

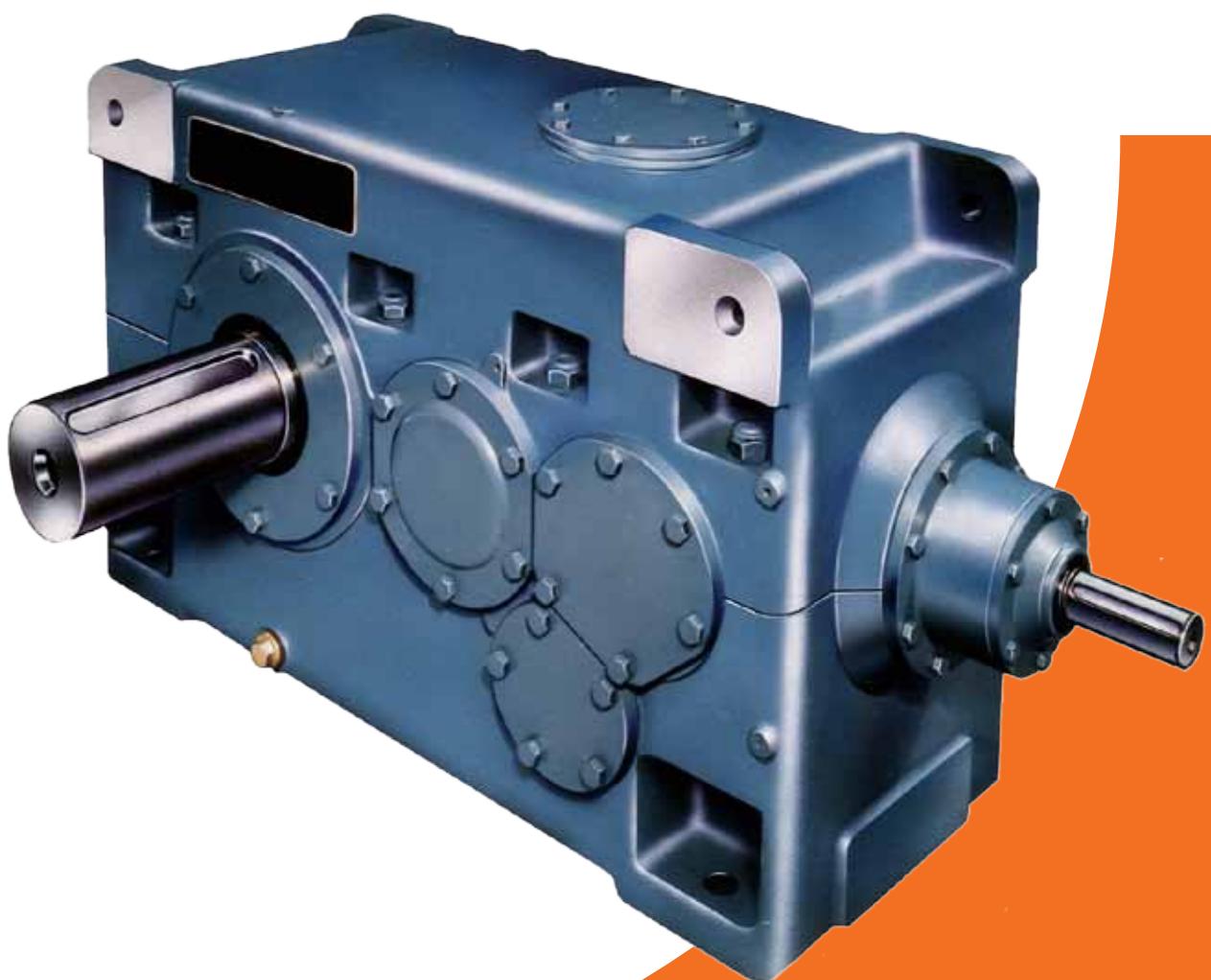
radicon 

with you at every turn

benzlers 

with you at every turn

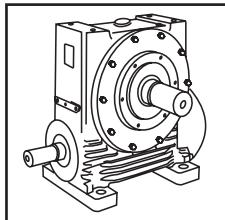
Series H Industrial Gearbox



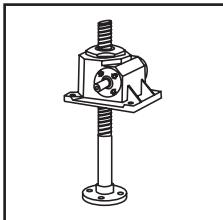
Industrial Gearbox
CH-2.00GB1211

PRODUCTS IN THE RANGE

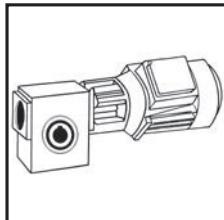
Serving an entire spectrum of mechanical drive applications from food, energy, mining and metal; to automotive, aerospace and marine propulsion, we are here to make a positive difference to the supply of drive solutions.



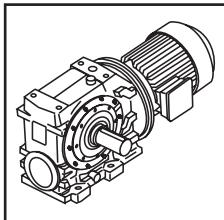
Series A
Worm Gear units
and geared motors
in single & double
reduction types



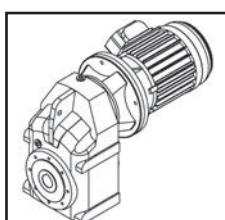
Series BD
Screwjack worm
gear unit



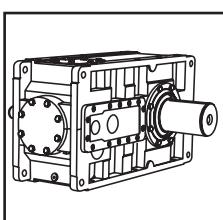
Series BS
Worm gear unit



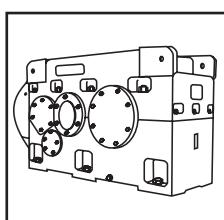
Series C
Right angle drive
helical worm geared
motors & reducers



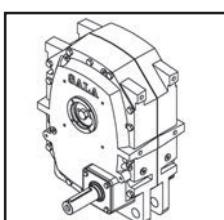
Series F
Parallel angle helical
bevel helical geared
motors & reducers



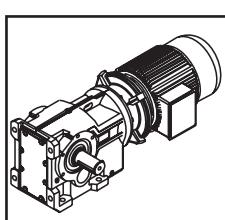
Series G
Helical parallel shaft
& bevel helical right
angle drive gear
units



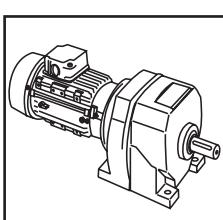
Series H
Large helical parallel
shaft & bevel helical
right angle drive units



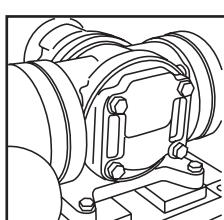
Series J
Shaft mounted
helical speed
reducers



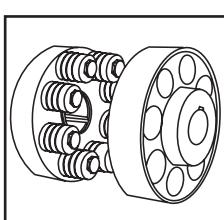
Series K
Right angle helical
bevel helical geared
motors & reducers



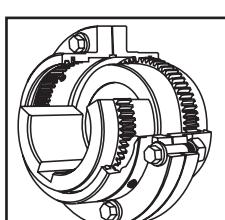
Series M
In-line helical geared
motors & reducers



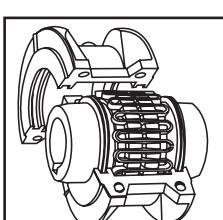
Roloid Gear Pump
Lubrication and fluid
transportation pump



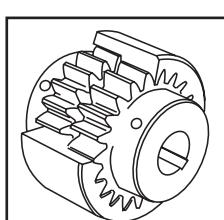
Series X
Cone Ring
Pin and bush
elastomer coupling



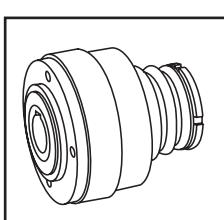
Series X
Gear
Torsionally rigid,
high torque coupling



Series X
Grid
Double flexing steel
grid coupling



Series X
Nylicon
Gear coupling with
nylon sleeve



Series X
Torque Limiter
Overload protection
device



We offer a wide range of repair services and many years experience of repairing demanding and highly critical transmissions in numerous industries.

We can create custom engineered transmission solutions of any size and configuration.

ATEX Compliance Assured



Total compliance with the ATEX Directive safeguarding the use of industrial equipment in potentially explosive atmospheres is assured for users of our geared products.

Certification is available for standard gearboxes and geared motors with badging displaying the ATEX zone, name and location of the manufacturer, designation of series or type, serial number, year of manufacture, Ex symbol and equipment group/category.

ATEX directive 94/9/EC (also known as ATEX 95 or ATEX 100A) enforced in all EC member states. Compliance is compulsory for designers, manufacturers or suppliers of electrical and non-electrical equipment for use in potentially explosive atmospheres created by the presence of flammable gases, vapours, mists or dusts.

Ex compliant standard gearboxes can be supplied against Groups 2 or 3 for surface industries in designated hazardous location Zones 1 and 2 for gases, vapours and mists; and in Zones 21 and 22 for dusts.

CONTENTS

9709

| | |
|--|---------|
| General Description | 1 |
| Unit Designations & Ordering | 2 |
| Design Features | 3 - 4 |
| Shaft Sealing Arrangements | 5 |
| Explanation and use of Ratings and Service Factors | 6 - 9 |
| Selection Procedure | 10 - 12 |
| Exact Ratios | 13 - 14 |
| Lubrication | 15 - 17 |
| Mounting Versions | 18 |
| Outputshaft Options | 19 |
| Outputbore Options | 20 |
| Series X Couplings | 21 |

REDUCER

| | |
|--|-----------|
| Overhung & Axial Loads on Shafts | 23 - 26 |
| Moments of Inertia | 27 - 28 |
| Ratings - Input Power / Output Torque | 29 - 88 |
| Dimension Sheets - Speed Reducers | 89 - 106 |
| Customer Outputshaft and Shrink Disk Details | 107 - 108 |
| Cooling Coil Connections | 109 |
| Holdbacks | 110 |
| Torque Arm | 111 |

MOTORISED

| | |
|----------------------------------|-----------|
| Dimension Sheets - Geared Motors | 113 - 115 |
| Shipping Specification | 116 - 117 |

GENERAL DESCRIPTION

9606

Radicon Series H

Series H gear units are available in in-line and right angle versions in single, double, triple and quadruple reduction gear stages having a maximum power capacity exceeding 8300 kW.

The modular design and construction of the Series H offers many engineering and performance benefits including a high degree of interchangeability of parts and sub assemblies. This in turn provides considerable economies of production whilst maintaining the highest standard of component integrity

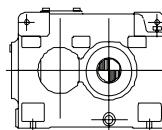
The Range Includes

- 11 sizes of units with a ratio coverage of 1.22:1 to 130:1.
- Series H gear units are fully metric.
- Shaft extensions are to BS 4506 : 1970 (1991)-ISOR775.
- Output shaft bores are to BS EN 20286-1 : 1993, ISO 286-1 : 1988
- Pulling down bolt holes are to BS EN 20273 : 1992, ISO R273, medium fit series.

Design Features Include

- Profile ground helical gears
- High level of surface finish for quiet running
- Units can be offered in horizontal mounting positions or alternatively vertical mounting
- Specially designed units are available for cooling tower applications or heavy duty stirrer applications.
- All units are also available with hollow bore for output shaft mounting. Output bores can be connected by shrink disc.

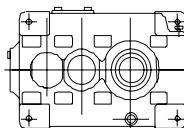
As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.



Single reduction
Foot mounted parallel shafts

*

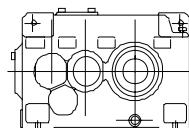
| | | | | | | |
|---|---|--|--|---|---|---|
| H | 1 | | | 1 | 4 | 0 |
|---|---|--|--|---|---|---|



Double reduction
Shaft mounted parallel shafts

*

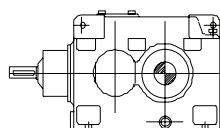
| | | | | | | |
|---|---|---|--|---|---|---|
| H | 2 | S | | 2 | 0 | 0 |
|---|---|---|--|---|---|---|



Triple reduction
Foot/Shelf mounted parallel
shafts

*

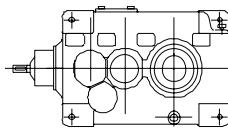
| | | | | | | |
|---|---|-----|--|---|---|---|
| H | 3 | S/F | | 2 | 5 | 0 |
|---|---|-----|--|---|---|---|



Double reduction
Foot mounted right angle shafts

*

| | | | | | | |
|---|---|--|--|---|---|---|
| B | 2 | | | 3 | 1 | 5 |
|---|---|--|--|---|---|---|



Triple reduction
Shaft mounted right angle shafts

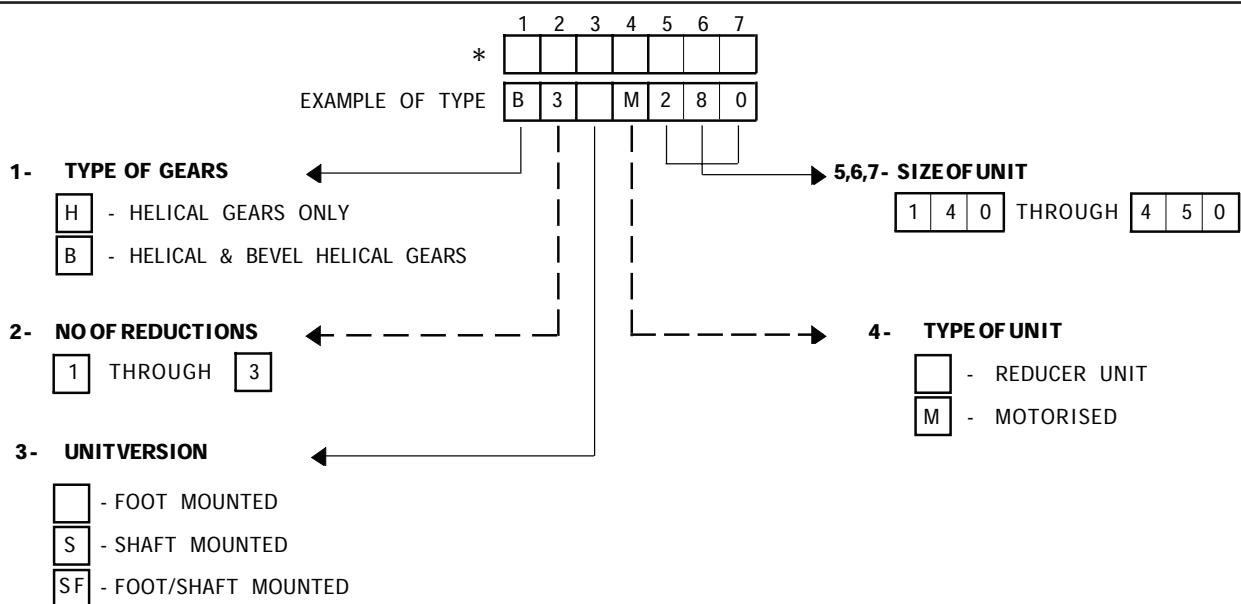
*

| | | | | | | |
|---|---|---|--|---|---|---|
| B | 3 | S | | 4 | 0 | 0 |
|---|---|---|--|---|---|---|

* Typical unit designations

UNIT DESIGNATIONS & ORDERING

9606



INFORMATION REQUIRED WHEN ORDERING UNITS

PRIME MOVER

- Type - electric motor or engine, for example 4 cylinder internal combustion engine
- Power rating in kW
- Output speed. if variable, indicate speed range and frequency of variation
- Dimensions of prime mover
- Are bedplate and/or couplings required

| |
|--|
| |
| |
| |
| |
| |

DRIVEN MACHINE

- Type, for example, stirrer, cooling tower, fan, etc
- Power rating in kW
- Speed
- Service - hours per day, running time in any hour, details of reversals if applicable, type of loading, ambient temperature etc

| |
|--|
| |
| |
| |
| |
| |

GEAR UNIT

- Type, for example, VB3
- Size, for example, 400
- Ratio
- Shaft handing. Refer to dimension pages and quote reference
- Direction of rotation (For units with right angle shafts refer to handling diagrams on dimension pages)

| |
|--|
| |
| |
| |
| |
| |

SHAFT CONNECTIONS

- Couplings. Quote shaft diameters with tolerances or coupling bores
- Details of overhung loads, including diameter and type of pulley, sprocket or pinion, axial thrust loads and bending moments applied to the output shafts

| |
|--|
| |
| |

ANY ADDITIONAL INFORMATION

| |
|--|
| |
|--|

* THIS PAGE MAY BE PHOTOCOPIED ALLOWING THE CUSTOMER TO ENTER THEIR ORDER

DESIGN FEATURES

9606

Shaft Mounted Units

Shaft mounted units are of two designs, the first of which is mounted on the driven machine shaft extension and connected to the foundation by torque arm, supplied as an optional extra.

Additionally, the foot/shaft design is available for mounting on a baseplate with motor and coupling, the complete assembly being mounted on the driven machine shaft extension and connected to the foundation by a torque arm.

All gear units are fitted with a 'shrink disc' device to provide positive clamping on the driven machine shaft extension. It is positioned on the input side of the gear unit.

Motorised Gear Units

Gear units of double and triple reduction types are available as standard assemblies comprising British Standard metric flanged motors direct mounted on gearcase input shaft housings by adaptors. Motor and gear unit shafts are connected by flexible couplings.

Baseplates

Standard baseplates can be supplied for units with parallel or right angle shafts. Assemblies comprise gear units and foot mounted motors correctly aligned in manufacture and connected by Radicon flexible couplings. Coupling guards are fitted.

Baseplates for right angle shaft gear units are designed for use with either foot or shaft mounted arrangements, and provision is made for attaching torque arms where required.

Designs provide ample stiffness to prevent distortion under load. Full details are available from Radicon.

Holdbacks

Holdbacks can be fitted to all Series H gear units, with the exception of H1 single reduction type, where required to operate in non-reversing drives. They are located on helical pinion shafts and have adequate capacities to deal with full rated torques. Lubrication is provided automatically from the oil in the gear unit. Changing the direction of locking rotation is a simple operation.

Preservation / Protection

Series H gear units are despatched without oil.

Prior to despatch they are test run with a rust preventative oil giving adequate protection to internal parts for a period of six months covering normal transport in the UK and overseas and covered storage.

Shaft extensions and hollow output shafts are protected with a rust inhibitor which is proof against sea water and suitable for under-cover storage up to 12 months.

Note: Where gear units are to operate in abnormal conditions, or where they are to stand for long periods without running, eg in plant installation, Radicon must be notified so that suitable protective arrangements can be made.

Series H Gear Units are fully metric

Shaft extensions are to BS 4506 : 1970 (1991), ISO R775

Output shaft bores are to BS EN 20286-1 : 1993, ISO 286-1 : 1988

Holding down bolt holes are to BS EN 20273 : 1992, ISO R273, medium fit series

DESIGN FEATURES

9707

Gears

High quality alloy case hardening materials provide long life wear resistance and fatigue strength.

Profile ground single helical gears and spiral bevel gears lapped in pairs ensure high standards of accuracy, surface finish and quiet running characteristics. Helical gears are fitted in parallel shaft units with shafts at right angles incorporate spiral bevel and helical gears.

Bearings

Roller bearings are used throughout.

Gearcases

Gearcases are of rigid cast iron construction with modern styling.

Casings are split in the horizontal plane.

Inspection covers are provided for viewing gear contacts.

Oil level dipsticks, ventilators and drain plugs are fitted.

Gearcase Finish

Internal and external surfaces are painted with linear epoxy primer.

External surfaces are finished with a styrenated modified alkyd with aluminium, blue hammer finish.

These paints are resistant to dilute acids and alkalis, oils and solvents, sea water and temperatures up to 140°C.

External Dimensions

Centre distances are chosen from ISO preferred number series.

Shaft extensions and hollow wheelshaft bores are to ISO metric standards.

Fasteners are metric.

Lubrication

Lubrication in most instances is by the transfer of oil by gears dipping in the sumps of gear unit bases.

Where high pitch line speeds could cause churning of the lubricant, case baffles are fitted as indicated on rating tables. Spray lubrication is necessary where shown and complete systems can be supplied when required.

The unit oil grade and change period will be stamped on the nameplate. The change period will be 6 months for mineral oil based lubricants and 18 months for synthetic oil based lubricants. These figures assume a sump temperature of 110°C. Oil change periods can be extended for lower sump temperatures see installation and maintenance leaflet.

Units are provided with combined dipsticks and ventilators, and drain plugs.

Cooling

Depending on the application standard gear units are cooled by:-

Normal heat dissipation by convection from external surfaces.

Fans fitted to high speed or intermediate shafts.

Cooling water coil fitted in gear unit base.

Fan and cooling coil.

Separate oil cooler incorporated in forced lubrication system.

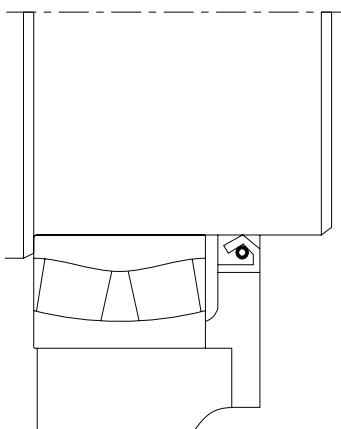
As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.

SHAFT SEALING ARRANGEMENTS

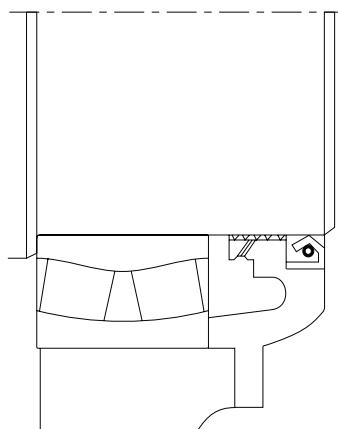
9706

SHAFT SEALING ARRANGEMENTS OF HORIZONTAL MOUNTED GEAR UNITS

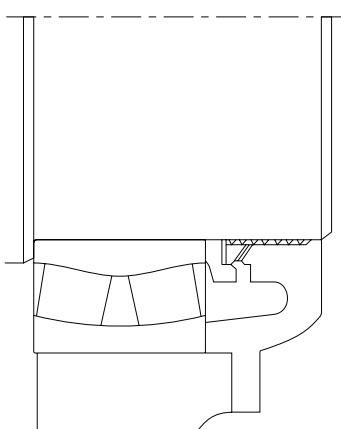
Oil seal lip



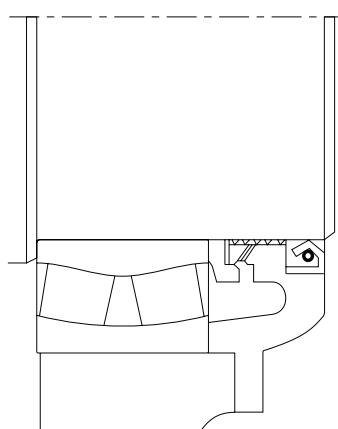
Labyrinth and Oil seal



Labyrinth and Flinger



Labyrinth, Flinger and Oil seal



| Type | Shaft | Unit Size | | | | | | | | | |
|------|-------|---|-----|-----|-----|-----|-------------------------------------|---------------------------------|-----|-----|-----|
| | | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 |
| H1 | Input | <----- Oil lip seal -----> | | | | | <----- Labyrinth and Flinger -----> | | | | |
| | Ouput | <----- Labyrinth, Flinger and Oil seal -----> | | | | | | | | | |
| H2 | Input | <----- Oil lip seal -----> | | | | | | <--- Labyrinth and Flinger ---> | | | |
| | Ouput | <----- Labyrinth and Oil seal -----> | | | | | | | | | |
| H3 | Input | <----- Oil lip seal -----> | | | | | | | | | |
| | Ouput | <----- Labyrinth and Oil seal -----> | | | | | | | | | |
| B2 | Input | <----- Oil lip seal -----> | | | | | | <--- Labyrinth and Flinger ---> | | | |
| | Ouput | <----- Labyrinth and Oil seal -----> | | | | | | | | | |
| B3 | Input | <----- Oil lip seal -----> | | | | | | | | | |
| | Ouput | <----- Labyrinth and Oil seal -----> | | | | | | | | | |

An additional oil seal, felt seal or grease lubricated seal, may be necessary for certain applications.
Please refer to Radicon.

EXPLANATION AND USE OF RATINGS AND ASSOCIATED RATING FACTORS

9709

1.0 Basic Ratings

The catalogue mechanical and thermal rating capacity of the Series H gear units are based on a standard set of service operating conditions. The conditions are:

- i) The unit operates at a uniform absorbed power for 10 hours per day and with no more than one unidirectional start per hour at twice the absorbed power at input shaft to the gear unit.
- ii) It operates in a large indoor space at an ambient temperature of 20°C with ambient air velocity of 1.4m/sec.
- iii) The sump bulk oil temperature is 110°C when transmitting the power associated with the thermal capacity limit.
- iv) The air density is that at sea level
- v) When cooling fans are fitted it is assumed two are fitted to the H1 and H2 units and one to all other units
- vi) When cooling water coils are fitted the cooling water is supplied at 20°C and the flow rate is as follows:
 - a) Sizes 140 - 180 inclusive 5.7 litres/min
 - b) Sizes 200 - 450 inclusive 9.1 litres/min
- vii) When a forced lubrication system is required the thermal rating given is for a unit where the oil is taken from sump sprayed onto the teeth and bearings and drains back into the sump.

When the service conditions vary from those above factors are provided to enable the ratings to be modified to reflect the service operating conditions. Therefore selection of the gear unit is made by comparing the required power capacity (P_R) with the unit basic rating P_M mechanical, P_T thermal both suitably factored for the service operating conditions.

2.0 Gear Unit Selection

2.1 Select Gearbox Type

- i) Parallel shaft (helical)
- or ii) Right angled drive (bevel/helical)

Either of which can be foot or shaft mounted (the shaft mounted unit can be with or without a foot mounting)

2.2 Calculate the Gear Unit Ratio

$$\text{Gear unit ratio} = \frac{\text{Input Speed}}{\text{Output Speed}}$$

2.3 Gear Unit Required Power (P_R)

Calculation of the gear unit required power (P_R) firstly requires determination of the type of drive which is classified as:

- i) Uniform
- ii) Moderate shock
- or iii) Heavy shock

This is obtained from table 2 page 7

Knowledge of the type of drive allows determination of the mechanical service factor F_M this is obtained from table 1 below.

However if the overloads associated with the type of drive can be calculated or accurately assessed, actual loads should be used instead of F_M .

It maybe that an industry standard has been set for the particular application, hence F_M should be set to that value

NB Applications where high inertia loads are involved eg crane travel drives, slewing motions etc unit selection should be referred to Radicon Applications Engineers.

The gear unit required power (P_R) is given by

$$\text{Required power } P_R = P_a \times F_M \text{ (kW)}$$

Where P_a is the required absorbed power (kW)

Table 1. Mechanical Service Factor (F_M)

| Prime mover | Duration of service-hrs per day | Load classification-driven machine | | |
|--|---------------------------------|------------------------------------|----------------|-------------|
| | | Uniform | Moderate Shock | Heavy Shock |
| Electric motor, steam turbine or hydraulic motor | Under 3 | 0.80 | 1.00 | 1.50 |
| | 3 to 10 | 1.00 | 1.25 | 1.75 |
| | Over 10 | 1.25 | 1.50 | 2.00 |
| Multi-cylinder internal combustion engine | Under 3 | 1.00 | 1.25 | 1.75 |
| | 3 to 10 | 1.25 | 1.50 | 2.00 |
| | Over 10 | 1.50 | 1.75 | 2.25 |
| Single cylinder internal combustion engine | Under 3 | 1.25 | 1.50 | 2.00 |
| | 3 to 10 | 1.50 | 1.75 | 2.25 |
| | Over 10 | 1.75 | 2.00 | 2.50 |

EXPLANATION AND USE OF RATINGS AND ASSOCIATED RATING FACTORS

Table 2. Load Classification by Applications

U = Uniform load

M = Moderate shock load

H = Heavy shock load

† = Refer to Radicon

| Driven Machine | Type of Load | Dry dock cranes | | Transfer rolls | M | more cylinders | M |
|---|--------------|-------------------------------|---|------------------------------|---|---------------------------------------|----|
| | | main hoist | + | tray drive | M | single acting; 1 or 2 | |
| | | auxiliary hoist | + | trimmer feed | M | cylinders | + |
| | | boom, luffing | + | waste conveyor | M | double acting; single | |
| | | rotating, swing or slew | + | | | cylinder | + |
| | | tracking, drive wheels | + | | | rotary | |
| Agitators | | | | | | gear type | UU |
| pure liquids | U | | | | | lobe, vane | |
| liquids and solids | M | | | | | | |
| liquids-variable density | M | | | | | | |
| Blowers | | | | | | | |
| centrifugal | U | bucket-uniform load | U | Machine tools | M | Rubber and plastics industries | |
| lobe | M | bucket-heavy load | M | bending roll | H | crackers | H |
| vane | U | bucket-continuous | U | punch press-gear driven | H | laboratory equipment | M |
| | | centrifugal discharge | U | notching press- belt | | mixed mills | M |
| | | escalators | U | driven | | refiners | M |
| | | freight | M | plate planers | | rubber calenders | M |
| | | gravity discharge | U | tapping machine | | rubber mill-2 on line | M |
| | | man lifts | + | other machine tools | | rubber mill-3 on line | M |
| | | passenger | + | main drives | M | sheeter | M |
| | | | | auxiliary drives | U | tire building machines | T |
| Brewing and distilling | | | | | | tire and tube press | |
| bottling machinery | U | | | | | openers | + |
| brew kettles-continuous | | | | | | tubers and strainers | M |
| duty | U | | | | | warming mills | M |
| cookers-continuous duty | U | | | | | | |
| mash tubs-continuous | U | | | | | | |
| duty | U | | | | | | |
| scale hopper-frequent | U | | | | | | |
| starts | M | | | | | | |
| Can filling machines | U | | | | | | |
| Cane knives | M | | | | | | |
| Car dumpers | H | | | | | | |
| Car pullers | M | | | | | | |
| Clarifiers | U | | | | | | |
| Classifiers | M | | | | | | |
| Clay working machinery | | | | | | | |
| brick press | H | Food industry | | | | | |
| briquette machine | H | beef slicer | M | Mill-rotary type ball | H | Sewage disposal equipment | |
| clay working machinery | M | cereal cooker | U | cement kilns | H | bar screens | U |
| pug mill | M | dough mixer | M | dryers and coolers | H | chemical feeders | U |
| | | meat grinders | M | kilns, other than cement | H | collectors | U |
| Compressors | | | | pebble | H | dewatering screws | M |
| centrifugal | U | Generators-not welding | U | rod | | scum breakers | M |
| lobe | M | | | plain | | slow or rapid mixers | M |
| reciprocating | | | | wedge bar | | thickeners | M |
| multi-cylinder | M | Hammer mills | H | tumbling barrels | | vacuum filters | M |
| single cylinder | H | | | | | | |
| Conveyors-uniformly loaded or fed | | | | Mixers | | Screens | |
| apron | U | Hoists | U | concrete mixers | | air washing | U |
| assembly | U | heavy duty | H | -continuous | M | rotary-stone or gravel | M |
| belt | U | medium duty | M | concrete mixers | | travelling water intake | U |
| bucket | U | skip hoist | M | -intermittent | | | |
| chain | U | | M | constant density | | | |
| flight | U | | M | variable density | M | | |
| oven | U | Laundry washers | M | | | | |
| screw | U | reversing | M | Oil industry | | | |
| | | | | chillers | M | Slab pushers | M |
| Conveyors-heavy duty not uniformly fed | | Laundry tumblers | M | oil well pumping | + | Steering gear | + |
| apron | M | | M | paraffin filter press | M | Stokers | U |
| assembly | M | | M | rotary kilns | M | Sugar industry | |
| belt | M | Line shafts | M | | | cane knives | M |
| bucket | M | driving processing | U | | | crushers | M |
| chain | M | equipment | U | | | mills | M |
| flight | M | light | U | | | | |
| oven | U | other line shafts | U | Paper mills | | Textile industry | |
| screw | U | | | agitators, (mixers) | M | batchers | M |
| | | Lumber industry | | barker-auxiliaries- | | calenders | M |
| | | barkers-hydraulic- | | hydraulic | M | cards | M |
| | | mechanical | | barker-mechanical | H | dry cans | M |
| | | burner conveyor | M | barking drum | H | dryers | M |
| | | chain saw and drag saw | H | beater and pulper | H | dyeing machinery | M |
| | | chain transfer | H | bleacher | M | knitting machines | M |
| | | craneway transfer | H | calenders | M | looms | M |
| | | de-barking drum | H | calenders-super | H | mangles | M |
| | | edger feed | M | converting machine, | | nappers | M |
| | | gang feed | M | except cutters, platers | M | pads | M |
| | | green chain | M | conveyors | U | range drives | + |
| | | live rolls | H | couch | M | slashers | M |
| | | log deck | H | cutters-plates | H | soapers | M |
| | | | | cylinders | M | spinners | M |
| | | | | dryers | M | tenter frames | M |
| | | | | felt stretcher | M | washers | M |
| | | | | felt whipper | H | winders | M |
| | | | | jordans | M | | |
| | | | | | | Windlass | + |

EXPLANATION AND USE OF RATINGS AND ASSOCIATED RATING FACTORS

9709

2.4 Selection of Gear Unit Size

Knowledge of the type of unit (Section 2.1) and the required power (section 2.3) allows selection of the size of gear unit required from the appropriate gear unit rating table pages 29 to 88.

2.5 Adjustment of Mechanical Rating for the Service Operating Conditions

Adjustment for duration of running has been done via the mechanical service factor Fm. The other adjustment required is for the number of starts or if unit is reversing, this factor Fs is obtained from table 3.

Table 3. Number of Starts Factor (Fs)

| Start / Stops per hour (1) | Up to 1 | 3 | 5 | 10 | 20 | 40 | 60 | 100 |
|----------------------------|---------|------|------|------|------|------|------|------|
| Unidirectional | 1.0 | 0.90 | 0.85 | 0.77 | 0.70 | 0.64 | 0.59 | 0.55 |
| Reversing | 0.71 | 0.65 | 0.61 | 0.55 | 0.50 | 0.46 | 0.42 | 0.39 |

Note: (1) Intermediate values are obtained by linear interpolation

2.6 Unit Capacity

The unit capacity (Pc) for the given service operating conditions is given by

$$P_c = P_m \times F_s \text{ (kW)}$$

For the unit to be acceptable mechanically

$$P_c \geq P_R$$

3.0 Thermal Check

Having selected a gear unit which is acceptable mechanically for the application it is now necessary to ensure that the unit has adequate thermal capacity.

3.1 Basic Thermal Rating Capacity

The thermal capacity of the unit without additional cooling is given together with the mechanical ratings pages 29 to 88.

The thermal capacity with the following additional cooling

- i) fitted with fan(s)
- ii) fitted with a cooling water coil (with a water supply temperature of 20°C)
- iii) fitted with fan(s) and cooling water coil

are given separately, also see pages 29 to 88 for each type of gear unit.

For units which need forced lubrication the thermal rating capacity are given for units where the oil is taken from the unit sump and sprayed onto the gears and returned to the sump.

3.2 Adjustment of Basic Thermal Capacity (P_T) for the Operating Service Conditions

The basic thermal rating (P_T) for the unit selected in section 2.0 above is compared, after adjustment for the operating service conditions, with the absorbed power Pa

(NB the mechanical service factor Fm is not included).

The thermal capacity for the operating service conditions (P_{TC}) is obtained as follows

$$P_{TC} = P_T \times F_a \times F_d \times F_v \times F_h \text{ (kW)}$$

where F_a = the ambient temperature adjustment factor (table 4 page 9)

F_d = the intermittent duty factor (table 5 page 9)

F_v = the ambient air velocity correction factor (table 6 page 9)

F_h = the altitude correction factor (table 7 page 9)

For the unit to be acceptable thermally then

$$P_{TC} \geq P_a$$

EXPLANATION AND USE OF RATINGS AND ASSOCIATED RATING FACTORS

9709

Table 4. Ambient Temperature Adjustment Factor (Fa) (1)

| Unit Type | Nominal Ratios Covered | | Cooling Type | Ambient Temperature °C | | | | | | | |
|-----------|------------------------|--------------|-------------------------|------------------------|------|------|------|------|------|------|------|
| | From | To Including | | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 |
| H1 | 1.22 | 2.25 | No additional cooling | 2.33 | 2.00 | 1.67 | 1.33 | 1.00 | 0.67 | 0.33 | 0 |
| H1 | 2.49 | 3.05 | No additional cooling | 2.0 | 1.75 | 1.50 | 1.25 | 1.00 | 0.75 | 0.5 | 0.25 |
| | 1.22 | 1.66 | Fan(s) or cooling coil | | | | | | | | |
| H2 | 5.60 | 8.40 | No additional cooling | | | | | | | | |
| B2 | 5.60 | 9.30 | No additional cooling | | | | | | | | |
| H1 | 3.38 | 5.06 | No additional cooling | 1.80 | 1.60 | 1.40 | 1.20 | 1.00 | 0.80 | 0.60 | 0.40 |
| | 1.84 | 2.49 | Fan(s) or cooling coil | | | | | | | | |
| H2 | 9.30 | 25.6 | No additional cooling | 1.67 | 1.50 | 1.33 | 1.17 | 1.00 | 0.83 | 0.67 | 0.50 |
| | 5.60 | 9.30 | Fan(s) or cooling coil | | | | | | | | |
| H3 | 25.6 | 38.4 | No additional cooling | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 25.6 | 28.4 | Fan(s) or cooling coil | | | | | | | | |
| B2 | 10.3 | 18.9 | No additional cooling | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 5.06 | 10.3 | Fan(s) or cooling coil | | | | | | | | |
| B3 | 14 | 31.4 | No additional cooling | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 14 | 23.2 | Fan(s) or cooling coil | | | | | | | | |
| H1 | 2.49 | 5.06 | Fan(s) or cooling coil | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 1.22 | 2.25 | Fan(s) and cooling coil | | | | | | | | |
| H2 | 10.3 | 25.6 | Fan(s) or cooling coil | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 5.60 | 10.3 | Fan(s) and cooling coil | | | | | | | | |
| H3 | 42.5 | 63.8 | No additional cooling | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 31.4 | 52.1 | Fan(s) or cooling coil | | | | | | | | |
| B2 | 11.4 | 18.9 | Fan(s) or cooling coil | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 5.06 | 11.4 | Fan(s) and cooling coil | | | | | | | | |
| B3 | 34.7 | 63.8 | No additional cooling | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 25.6 | 47.1 | Fan(s) or cooling coil | | | | | | | | |
| H1 | 12.6 | 18.9 | Fan(s) and cooling coil | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 70.6 | 95.7 | No additional cooling | | | | | | | | |
| B2 | 52.1 | 95.7 | Fan(s) or cooling coil | 1.57 | 1.43 | 1.29 | 1.14 | 1.00 | 0.86 | 0.71 | 0.57 |
| | 38.4 | 95.7 | Fan(s) and cooling coil | | | | | | | | |

Table 5. Intermittent Duty Factor (Fd) (1)

| Number of Reductions | % Running time per hour | | | | | | | |
|----------------------|-------------------------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 60 | 70 | 80 | 90 | 100 |
| 3 | 2.24 | 1.91 | 1.50 | 1.36 | 1.27 | 1.18 | 1.09 | 1.00 |
| 2 | 1.66 | 1.51 | 1.31 | 1.24 | 1.18 | 1.12 | 1.07 | 1.00 |
| 1 | 1.24 | 1.14 | 1.03 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 |

Table 6. Ambient Air Velocity Correction Factor (Fv)

| Air Velocity Vv m/sec | Factor Fv | Operating Area | If Vv is not known use this value for Fv |
|-----------------------|------------------------------------|-------------------------|--|
| 0 - 1.4 | Fv = 0.1 Vv + 0.86 | Small confined space | 0.86 |
| > 1.4 - < 6 | Fv = 0.2 Vv + 0.72 | Large indoor space | 1.0 |
| > 2 - < 6 | Fv = 0.17 Vv + 0.9 | Sheltered outdoor space | 1.3 |
| >2 | Fv = 0.17 Vv + 0.9 (max Fv = 1.92) | Outdoor space | 1.5 |

Table 7. Altitude Adjustment Factor (Fh) (1)

| Altitude (m) | Factor Fh |
|--------------|-----------|
| Sea Level | 1.0 |
| 500 | 0.97 |
| 1000 | 0.93 |
| 1500 | 0.90 |
| 2000 | 0.87 |
| 3000 | 0.81 |
| 4000 | 0.75 |
| 5000 | 0.70 |

Note: (1) Intermediate values are obtained by linear interpolation

EXAMPLE 1

A foot mounted parallel shaft speed reducer is to be direct coupled to a 750 kW, 1450 rev/min motor. The output shaft is to rotate at 350 rev/min and is coupled to a large centrifugal pump which absorbs 725 kW on 24 hours/day service. The unit is to operate in a large indoor space with an ambient temperature of 30°C situated 1000 meters above sea level.

1 Gearbox type

- 1.1 Parallel shaft type is specified - type H
- 1.2 Ratio = $\frac{1450}{350} = 4.14$, type H1 (single reduction)

2 Mechanical capacity

- 2.1 From table 2 page 7 the application is uniform load
- 2.2 From table 1 page 6 the mechanical service factor Fm = 1.25
- 2.3 From table 3 page 8 running 24 hours per day Fs = 1.0
- 2.4 Given the absorbed power Pa = 725 kW and Fm = 1.25. The required mechanical capacity P_R is

$$P_R = Pa \times Fm$$

$$= 725 \times 1.25$$

$$P_R = 906 \text{ kW}$$

- 2.5 From the H1 1450 rev/min rating table page 32 a H1-280 ratio 4.13 is adequate for the duty

$$\text{ie } P_c = P_M \times F_s$$

$$P_c = 1120 \times 1.0$$

$$P_R < P_c$$

3 Thermal capacity

- 3.1 The thermal capacity (P_{TC}) required at the above operating conditions requires the basic thermal rating P_T to be modified by the following factors
 - 3.1.1 Ambient temperature factor
The unit operates in an ambient temperature of 30°C hence on examination of the thermal rating P_T page 34 and if the H1-280 is selected then additional cooling by the way of fan or cooling water coil is required. In either case the ambient temperature factor Fa = 0.83 (table 4 page 9) the unit will therefore require a cooling water coil to be fitted.
 - 3.1.2 Intermittent duty factor Fd
The unit operates 24 hours per day therefore Fd = 1.0 (table 5 page 9).
 - 3.1.3 Ambient air velocity factor (Fv)
All that is known is that the unit operates in a large indoor space therefore Fv = 1.0 (table 6 page 9).
 - 3.1.4 Altitude correction factor (Fh)
The unit is to operate at an altitude of 1000m therefore from table 7 page 9 Fh = 0.93.
- 3.2 Thermal capacity of unit (P_{TC})

$$P_{TC} = P_T \times Fa \times Fd \times Fv \times Fh$$

$$= 1070 \times 0.83 \times 1.0 \times 1.0 \times 0.93$$

$$P_{TC} = 826 \text{ kW}$$

$$P_{TC} > 725$$

the H1-280 fitted with a cooling coil will be adequate thermally for the application.

4 Check exact ratio is satisfactory see page 13
5 Order a gear unit type H1-280 fitted with a cooling water coil.
EXAMPLE 2

A shaft mounted gear unit with right angle shafts is required to drive a uniformly loaded belt conveyor running 24 hours/day at 77 rev/min. The unit must have feet for the attachment of a motor mounting baseplate. The motor is 75 kW at 1450 rev/min and the absorbed power at the conveyor headshaft is 65 kW. The ambient temperature on site which is a large indoor area is 20°C and situated at 300 metres above sea level.

1 Gearbox type

- 1.1 Foot/shaft mounted unit with right angle shafts.
- 1.2 Ratio = $\frac{1450}{77} = 18.8$, type B2SF or B3SF could be used whichever is the more economical choice.

2 Mechanical capacity

- 2.1 From table 2 page 7 the application is uniform load
- 2.2 From table 1 page 6 the mechanical service factor Fm = 1.25
- 2.3 From table 3 page 8 running 24 hours per day Fs = 1.0
- 2.4 Given the absorbed power Pa = 65 kW. The power requirement of the unit P_R is

$$P_R = 65 \times 1.25$$

$$P_R = 81 \text{ kW}$$

SELECTION PROCEDURE

9606

- 2.5 From the B2 1450 rev/min rating table page 69 a B2SF-225 is adequate for the duty

$$\text{ie } P_c = P_M \times F_s$$

$$P_c = 93.2 \text{ kW}$$

$$P_c > P_R$$

3 Thermal capacity

- 3.1 The thermal capacity (P_{TC}) required at the above operating conditions requires the basic thermal rating P_T to be modified by the following factors

- 3.1.1 Ambient temperature factor F_a

Ambient temperature factor $F_a = 1.0$ (ambient temperature 20°C) (table 4 page 9).

- 3.1.2 Intermittent duty factor F_d

The unit operates 24 hours per day therefore $F_d = 1.0$ (table 5 page 9).

- 3.1.3 Ambient air velocity factor (F_v)

All that is known is that the unit operates in a large indoor space therefore $F_v = 1.0$ (table 6 page 9).

- 3.1.4 Altitude correction factor (F_h)

The unit is to operate at an altitude of 300m above sea level.

Using linear interpolation $F_h = 0.982$ (table 7 page 9).

- 3.2 Thermal capacity of unit (P_{TC})

$$\begin{aligned} P_{TC} &= P_T \times F_a \times F_d \times F_v \times F_h \\ &= 74.2 \times 1.0 \times 1.0 \times 1.0 \times 0.982 \end{aligned}$$

$$P_{TC} = 72.8 \text{ k}$$

$$P_{TC} > 65 \text{ kW}$$

a B2SF-225 with no additional cooling is adequate for the application.

- 4 Check exact ratio is satisfactory see page 14

- 5 Order a gear unit type B2SF-225 with no additional cooling.

EXAMPLE 3

A gearbox operating at sea level is required to transmit power continuously from a horizontal foot mounted motor to a cooling tower fan, which is to be mounted directly on the output shaft and above the gearbox. The motor power is 110 kW at 1450 rev/min and the fan speed is 191 rev/min. the maximum ambient temperature is 25°C. The fan imparts an axial thrust of 14 kN to the gearbox output shaft. It is necessary to have added clearance for the fan, so a CT type is preferred.

The cooling tower fan has been calculated to create an ambient air velocity flow of 4.7 m/sec over the gear unit.

1 Gearbox type

- 1.1 Right angle shafts - type VB

$$1.2 \text{ Ratio } = \frac{1450}{191} = 7.59, \text{ type VB2 CT (double reduction)}$$

2 Mechanical capacity

- 2.1 For cooling tower applications a mechanical service factor of $F_m = 2.0$ is usually used.

- 2.2 No absorbed power P_a is given the selection is based on the motor power.

- 2.3 The unit is running continuously therefore $F_s = 1.0$

- 2.4 The required power (P_R) is therefore

$$P_R = 110 \times 2.0$$

$$P_R = 220 \text{ kW}$$

- 2.5 From the B2 1450 rev/min rating table page 68 a VB2-225CT ratio 7.59:1 is adequate for the duty

$$\text{ie } P_c = P_M \times F_s$$

$$P_c = 263 \times 1.0$$

$$P_c > P_R$$

3 Thermal capacity

- 3.1 The following thermal service factors are required to adjust for the operating conditions.

- 3.1.1 Ambient temperature factor F_a

The unit is operating in an ambient temperature of 25°C $F_a = 0.875$ unfanned by linear interpolation (table 4 page 9)

- 3.1.2 Intermittent duty factor F_d

The unit operates 24 hours per day therefore $F_d = 1.0$ (table 5 page 9).

- 3.1.3 Ambient air velocity factor (F_v)

It has been calculated the ambient air flow velocity (V_v) over the gear unit will be 4.7 m/sec

$$F_v = 0.2 \times V_v + 0.72$$

$$= 0.2 \times 4.7 + 0.72$$

$$F_v = 1.66 \text{ (table 6 page 9).}$$

- 3.1.4 Altitude correction factor (F_h)

The unit is to operate at sea level therefore $F_h = 1.0$ (table 7 page 9).

SELECTION PROCEDURE

9606

3.2 Thermal capacity of unit (P_{TC})

$$\begin{aligned} P_{TC} &= P_T \times F_a \times F_d \times F_v \times F_h \\ &= 82.2 \times 0.875 \times 1.0 \times 1.66 \times 1.0 \\ P_{TC} &= 119 \text{ kW} \end{aligned}$$

The VB2 - 225 CT with no additional cooling is adequate for the application
ie $P_{TC} > 110 \text{ kW}$

- 4 From table 6 given on page 24 a permissible axial thrust of 16.2 kN can be accommodated by the output shaft. Hence the selected unit is satisfactory.
- 5 Check exact ratio is satisfactory see page 14.
- 6 Order a gear unit type VB2-225 CT exact ratio 7.76 with no additional cooling.

EXAMPLE 4

A gearbox with right-angle shafts is required to transmit 190 kW absorbed power from a 200 kW 1450 rev/min motor to a stirrer shaft at 55 rev/min starting once per day. The shaft is to be rigidly coupled to the gearbox output shaft and entirely supported by the gearbox bearings. The radial force at the paddle is 44 kN and it acts at a point 2.3 metres below the gearbox base. The paddle produces an upward axial thrust of 32 kN. The specified mechanical service factor is 2.0. The unit is to operate in a large indoor area at an ambient temperature of 20°C and the factory situated 800 metres above sea level.

1 Gearbox type

- 1.1 Right angle shaft type VB.
- 1.2 Ratio = $\frac{1450}{55} = 26.36$, type VB3 (triple reduction)

2 Mechanical check

- 2.1 The mechanical service factor $F_m = 2.0$
- 2.2 The absorbed power P_a is 190 kW
- 2.3 The power required P_R is

$$\begin{aligned} P_R &= 190 \times 2.0 \\ P_R &= 380 \text{ kW} \end{aligned}$$
- 2.4 The unit is started less frequently than once per hour therefore $F_s = 1.0$
- 2.5 From the B3 1450 rev/min rating table see page 80 a B3-400 nominal ratio 25.6:1 is adequate for the duty ($F_s = 1.0$)

$$\begin{aligned} \text{ie } P_c &= P_m \times F_s \\ &= 485 \times 1.0 \\ P_c &= 485 \text{ kW} \\ P_c &> P_R \end{aligned}$$

3 Thermal check

- 3.1 Thermal service factors
The following thermal service factors are required to adjust for the service operating conditions.
3.1:1 Ambient temperature is 20°C therefore $F_a = 1.0$ (table 4 page 9)
3.1:2 No information is available regarding duration of operation therefore F_d is set equal to 1.0
3.1:3 No ambient air velocity is given therefore F_v for a large indoor area is 1.0 (table 6 page 9)
3.1:4 The gear unit is to operate at an altitude of 800 metres above sea level. By linear interpolation $F_h = 0.946$ (table 7 page 9)

3.2 Gear unit required thermal capacity (P_{TC})

$$\begin{aligned} P_T \text{ for unit with fan } &515 \text{ kW (page 82)} \\ P_{TC} &= P_T \times F_a \times F_d \times F_v \times F_h \\ &= 515 \times 1.0 \times 1.0 \times 1.0 \times 0.946 \\ P_{TC} &= 487 \text{ kW} \\ P_{TC} &> 190 \text{ kW} \end{aligned}$$

As indicated in the rating table the thermal rating is based on the unit having spray lubrication with the oil pumped from the sump and returned to the sump ie no external lubrication system.

4 Bending moment check

- 4.1 The applied bending moment = $2.3 \times 44 = 101.2 \text{ KN.M}$
- 4.2 From table 10 on page 26 the allowable bending moment limited by shaft stress is 93 KN.M for the standard unit and 143 KN.M for the Heavy Duty Stirrer.
- 4.3 From table 11 on page 26 the allowable bending moment limited by bearing life at 45 rev/min 156 KN.M for the SA type

5 Axial thrust capacity check

- 5.1 From table 7 page 25 the thrust limit for the cover bolts is 99 KN
- 5.2 From table 8 page 25 allowable thrust upwards limited by bearing life at 45 rev/min is 127 KN

6 Check that the exact ratio is satisfactory page 13 and 14.

7 Order a gear unit type VB3-400 SA exact ratio 26.389 with fan cooling and internal spray lubrication

EXACT RATIOS

9606

Single Reduction Units Types H1

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|----------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 1.22 | 1.220 | 1.234 | 1.226 | 1.229 | 1.231 | 1.216 | 1.220 | 1.229 | 1.231 | 1.229 | 1.231 |
| 1.36 | 1.359 | 1.364 | 1.360 | 1.364 | 1.351 | 1.343 | 1.359 | 1.364 | 1.351 | 1.364 | 1.351 |
| 1.50 | 1.500 | 1.500 | 1.511 | 1.484 | 1.486 | 1.500 | 1.500 | 1.484 | 1.514 | 1.484 | 1.486 |
| 1.66 | 1.647 | 1.667 | 1.659 | 1.655 | 1.667 | 1.667 | 1.647 | 1.655 | 1.667 | 1.655 | 1.667 |
| 1.84 | 1.844 | 1.838 | 1.829 | 1.852 | 1.839 | 1.828 | 1.844 | 1.815 | 1.833 | 1.852 | 1.839 |
| 2.03 | 2.033 | 2.029 | 2.026 | 2.038 | 2.034 | 2.037 | 2.033 | 2.040 | 2.034 | 2.038 | 2.034 |
| 2.25 | 2.250 | 2.250 | 2.259 | 2.250 | 2.259 | 2.240 | 2.250 | 2.261 | 2.259 | 2.250 | 2.259 |
| 2.49 | 2.500 | 2.500 | 2.520 | 2.500 | 2.520 | 2.478 | 2.500 | 2.500 | 2.480 | 2.500 | 2.520 |
| 2.76 | 2.750 | 2.762 | 2.739 | 2.762 | 2.739 | 2.769 | 2.750 | 2.778 | 2.739 | 2.762 | 2.739 |
| 3.05 | 3.091 | 3.053 | 3.095 | 3.053 | 3.045 | 3.050 | 3.045 | 3.053 | 3.095 | 3.053 | 3.045 |
| 3.38 | 3.333 | 3.389 | 3.400 | 3.389 | 3.400 | 3.444 | 3.333 | 3.391 | 3.350 | 3.389 | 3.400 |
| 3.74 | 3.737 | 3.750 | 3.762 | 3.800 | 3.778 | 3.706 | 3.750 | 3.750 | 3.778 | 3.800 | 3.778 |
| 4.13 | 4.111 | 4.176 | 4.118 | 4.158 | 4.190 | 4.158 | 4.056 | 4.150 | 4.118 | 4.158 | 4.118 |
| 4.57 | 4.563 | 4.563 | 4.500 | 4.550 | 4.500 | 4.647 | 4.563 | 4.611 | 4.667 | 4.647 | 4.500 |
| 5.06 | 5.056 | 5.059 | 5.105 | 5.063 | 5.056 | 5.063 | 5.056 | 5.059 | 5.053 | 5.063 | 5.056 |

Double Reduction Units Types H2, H2S, H2SF, VH2, VH2SA, VH2CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|----------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 5.60 | 5.636 | 5.648 | 5.657 | 5.625 | 5.670 | 5.599 | 5.625 | 5.648 | 5.555 | 5.625 | 5.697 |
| 6.20 | 6.078 | 6.240 | 6.214 | 6.250 | 6.300 | 6.245 | 6.250 | 6.300 | 6.146 | 6.250 | 6.300 |
| 6.86 | 6.814 | 6.895 | 6.875 | 6.905 | 6.848 | 6.978 | 6.875 | 7.000 | 6.788 | 6.905 | 6.848 |
| 7.59 | 7.590 | 7.693 | 7.663 | 7.595 | 7.565 | 7.585 | 7.595 | 7.609 | 7.585 | 7.595 | 7.609 |
| 8.40 | 8.333 | 8.362 | 8.427 | 8.472 | 8.500 | 8.680 | 8.333 | 8.546 | 8.302 | 8.472 | 8.500 |
| 9.30 | 9.342 | 9.449 | 9.323 | 9.319 | 9.390 | 9.435 | 9.206 | 9.289 | 9.277 | 9.319 | 9.444 |
| 10.29 | 10.35 | 10.49 | 10.37 | 10.45 | 10.43 | 10.15 | 10.36 | 10.27 | 10.46 | 10.45 | 10.49 |
| 11.39 | 11.37 | 11.52 | 11.47 | 11.30 | 11.52 | 11.71 | 11.30 | 11.53 | 11.54 | 11.30 | 11.53 |
| 12.61 | 12.50 | 12.80 | 12.60 | 12.66 | 12.75 | 12.96 | 12.67 | 12.81 | 12.41 | 12.71 | 12.75 |
| 13.95 | 14.14 | 14.17 | 13.94 | 14.20 | 14.17 | 13.94 | 14.25 | 14.17 | 14.00 | 14.25 | 14.17 |
| 15.44 | 15.29 | 15.44 | 15.26 | 15.46 | 15.51 | 15.50 | 15.17 | 15.26 | 15.57 | 15.46 | 15.68 |
| 17.09 | 17.00 | 17.20 | 17.12 | 17.34 | 17.24 | 16.68 | 17.06 | 16.88 | 17.56 | 17.34 | 17.42 |
| 18.91 | 18.71 | 19.00 | 18.53 | 19.21 | 19.11 | 18.92 | 18.98 | 18.96 | 19.13 | 19.21 | 19.11 |
| 20.93 | 20.76 | 20.76 | 20.25 | 20.76 | 20.53 | 20.91 | 20.76 | 20.75 | 21.69 | 21.20 | 20.75 |
| 23.16 | 23.32 | 23.07 | 22.78 | 23.00 | 22.76 | 23.72 | 23.10 | 23.31 | 23.63 | 23.49 | 22.76 |
| 25.63 | 25.84 | 25.58 | 25.85 | 25.59 | 25.58 | 25.85 | 25.59 | 25.58 | 25.59 | 25.59 | 25.58 |

Triple Reduction Units Types H3, H3S, H3SF, VH3, VH3SA, VH3CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|----------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 25.63 | 25.87 | 25.50 | 26.32 | 25.53 | 26.38 | 25.95 | 25.43 | 25.44 | 25.62 | 25.53 | 26.15 |
| 28.36 | 28.46 | 28.15 | 28.32 | 28.47 | 28.56 | 29.28 | 28.24 | 29.06 | 28.85 | 28.47 | 28.58 |
| 31.39 | 31.26 | 31.81 | 31.60 | 31.69 | 32.34 | 31.45 | 31.20 | 31.58 | 31.44 | 31.69 | 32.53 |
| 34.74 | 34.54 | 35.29 | 34.85 | 34.69 | 35.82 | 35.63 | 34.98 | 35.09 | 34.29 | 34.81 | 35.31 |
| 38.44 | 38.36 | 39.36 | 38.61 | 38.41 | 39.69 | 39.04 | 38.28 | 39.20 | 39.10 | 38.41 | 39.72 |
| 42.54 | 42.37 | 43.11 | 42.40 | 43.06 | 43.92 | 43.19 | 42.93 | 43.56 | 42.07 | 43.21 | 43.92 |
| 47.08 | 47.71 | 48.04 | 47.40 | 48.28 | 48.80 | 46.47 | 48.29 | 48.17 | 47.44 | 48.45 | 48.80 |
| 52.11 | 52.69 | 52.62 | 52.73 | 53.64 | 52.50 | 52.10 | 53.44 | 53.29 | 53.20 | 53.83 | 52.50 |
| 57.67 | 56.98 | 57.35 | 57.03 | 57.63 | 57.61 | 57.49 | 57.98 | 57.38 | 59.21 | 57.00 | 59.54 |
| 63.82 | 63.37 | 64.02 | 62.43 | 64.61 | 63.75 | 63.61 | 65.02 | 63.75 | 63.70 | 64.13 | 65.83 |
| 70.63 | 69.72 | 72.57 | 69.43 | 69.01 | 68.63 | 72.09 | 70.54 | 70.55 | 73.14 | 69.71 | 70.92 |
| 78.16 | 78.32 | 78.52 | 75.80 | 78.89 | 77.56 | 76.09 | 77.85 | 75.94 | 79.88 | 78.02 | 80.95 |
| 86.50 | 87.20 | 85.58 | 82.84 | 85.96 | 85.43 | 88.38 | 87.71 | 88.93 | 87.55 | 88.10 | 85.43 |
| 95.73 | 95.11 | 94.57 | 92.14 | 94.46 | 92.39 | 95.41 | 94.71 | 93.38 | 98.67 | 95.41 | 96.43 |
| 105.94 | 106.3 | 102.6 | 103.5 | 105.0 | 103.9 | 105.7 | 105.0 | 105.9 | 109.8 | 107.2 | 105.0 |
| 117.24 | 117.0 | 114.0 | 116.4 | 116.3 | 115.2 | 119.9 | 116.8 | 119.0 | 119.6 | 118.8 | 115.2 |
| 129.75 | 130.7 | 126.4 | 132.1 | 129.4 | 129.5 | 130.7 | 129.5 | 130.6 | 129.5 | 129.4 | 129.5 |

EXACT RATIOS

9606

Double Reduction Units Types B2, B2S, B2SF, VB2, VB2SA, VB2CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|----------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 5.06 | 5.188 | 5.124 | 5.196 | 5.124 | 5.112 | 5.120 | 5.112 | 5.124 | 5.196 | 5.124 | 5.112 |
| 5.60 | 5.595 | 5.688 | 5.707 | 5.688 | 5.707 | 5.782 | 5.595 | 5.693 | 5.623 | 5.688 | 5.707 |
| 6.20 | 6.273 | 6.295 | 6.315 | 6.379 | 6.341 | 6.221 | 6.295 | 6.295 | 6.341 | 6.379 | 6.341 |
| 6.86 | 6.901 | 7.011 | 6.912 | 6.979 | 7.034 | 6.979 | 6.808 | 6.966 | 6.912 | 6.979 | 6.912 |
| 7.59 | 7.658 | 7.658 | 7.554 | 7.700 | 7.760 | 7.700 | 7.510 | 7.685 | 7.625 | 7.700 | 7.625 |
| 8.40 | 8.371 | 8.400 | 8.427 | 8.476 | 8.542 | 8.476 | 8.267 | 8.460 | 8.394 | 8.476 | 8.394 |
| 9.30 | 9.209 | 9.355 | 9.224 | 9.314 | 9.387 | 9.314 | 9.084 | 9.296 | 9.224 | 9.314 | 9.224 |
| 10.29 | 10.22 | 10.22 | 10.08 | 10.19 | 10.08 | 10.41 | 10.22 | 10.33 | 10.45 | 10.41 | 10.08 |
| 11.39 | 11.32 | 11.44 | 11.47 | 11.28 | 11.15 | 11.52 | 11.31 | 11.43 | 11.57 | 11.52 | 11.15 |
| 12.61 | 12.54 | 12.74 | 12.56 | 12.57 | 12.43 | 12.83 | 12.60 | 12.74 | 12.89 | 12.83 | 12.43 |
| 13.95 | 13.92 | 13.92 | 13.72 | 13.98 | 13.96 | 13.98 | 13.96 | 13.97 | 13.95 | 13.98 | 13.96 |
| 15.44 | 15.42 | 15.43 | 15.33 | 15.44 | 15.42 | 15.44 | 15.42 | 15.43 | 15.41 | 15.44 | 15.42 |
| 17.09 | 16.98 | 16.98 | 16.75 | 16.94 | 16.75 | 17.30 | 16.98 | 17.16 | 17.37 | 17.30 | 16.75 |
| 18.91 | 18.82 | 18.83 | 19.00 | 18.84 | 18.82 | 18.84 | 18.82 | 18.83 | 18.81 | 18.84 | 18.82 |

Triple Reduction Units Types B3, B3S, B3SF, VB3, VB3SA, VB3CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|----------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 13.95 | 13.99 | 14.04 | 14.60 | 14.14 | 14.25 | 14.31 | 13.97 | 14.09 | 14.08 | 14.14 | 14.33 |
| 15.44 | 15.49 | 15.86 | 15.85 | 15.86 | 15.83 | 15.40 | 15.71 | 15.58 | 15.87 | 15.86 | 15.92 |
| 17.09 | 17.37 | 17.61 | 17.41 | 17.14 | 17.48 | 17.77 | 17.14 | 17.49 | 17.51 | 17.14 | 17.49 |
| 18.91 | 19.08 | 19.34 | 19.26 | 19.22 | 19.42 | 19.12 | 19.28 | 19.34 | 19.74 | 19.22 | 19.44 |
| 20.93 | 20.99 | 21.49 | 21.75 | 21.26 | 21.40 | 21.75 | 21.26 | 21.51 | 20.84 | 21.33 | 21.40 |
| 23.16 | 23.73 | 23.78 | 23.40 | 23.84 | 23.78 | 23.40 | 23.92 | 23.78 | 23.50 | 23.92 | 23.78 |
| 25.63 | 25.66 | 25.92 | 26.26 | 26.30 | 26.23 | 25.82 | 26.39 | 26.23 | 25.93 | 26.39 | 26.23 |
| 28.36 | 28.23 | 28.64 | 28.42 | 29.10 | 28.93 | 27.99 | 28.64 | 28.33 | 29.47 | 29.10 | 29.24 |
| 31.39 | 31.66 | 31.73 | 31.10 | 32.11 | 31.92 | 30.88 | 31.60 | 31.25 | 32.51 | 32.11 | 32.26 |
| 34.74 | 34.24 | 34.59 | 35.04 | 35.13 | 35.41 | 34.65 | 34.17 | 34.58 | 35.44 | 35.13 | 35.16 |
| 38.44 | 37.67 | 38.52 | 37.92 | 38.67 | 38.97 | 38.14 | 37.62 | 38.07 | 39.01 | 38.67 | 38.70 |
| 42.54 | 41.90 | 42.57 | 41.51 | 42.49 | 42.83 | 41.91 | 41.33 | 41.83 | 42.86 | 42.49 | 42.53 |
| 47.08 | 46.63 | 46.50 | 45.36 | 47.01 | 47.38 | 46.37 | 45.73 | 46.28 | 47.42 | 47.01 | 47.05 |
| 52.11 | 51.30 | 52.45 | 51.63 | 52.39 | 52.80 | 51.68 | 50.96 | 51.58 | 52.85 | 52.39 | 52.44 |
| 57.67 | 57.05 | 57.30 | 56.51 | 57.86 | 58.31 | 57.07 | 56.28 | 56.96 | 58.36 | 57.86 | 57.91 |
| 63.82 | 63.29 | 63.32 | 61.76 | 63.32 | 62.62 | 63.78 | 63.32 | 63.29 | 66.14 | 64.67 | 63.29 |
| 70.63 | 69.63 | 70.73 | 68.97 | 70.61 | 71.17 | 69.64 | 68.69 | 69.51 | 71.22 | 70.61 | 70.67 |
| 78.16 | 78.21 | 77.27 | 75.38 | 77.27 | 76.42 | 77.84 | 77.27 | 77.24 | 80.72 | 78.92 | 77.24 |
| 86.50 | 85.62 | 85.86 | 84.80 | 85.62 | 84.74 | 88.31 | 85.97 | 86.77 | 87.94 | 87.45 | 84.74 |
| 95.73 | 96.18 | 95.20 | 96.20 | 95.27 | 95.20 | 96.20 | 95.27 | 95.20 | 95.21 | 95.27 | 95.20 |

LUBRICATION

0007

All Series H units are despatched without oil and therefore filled by the client. The Radicon grade and type of oil will be stamped on the nameplate in accordance with either of the types of oil from tables 3 or 4. The oil change period will be as stated in the lubrication section of Design Features page 4.

The approximate quantity of oil required is given in Table 1, but the unit should always be filled to the level marked on the dipstick. Warning: Do not overfill the unit as this can cause leakage and overheating.

Where possible run the unit without load for a short time to circulate the lubricant thoroughly, then stop the unit and recheck the oil level after allowing the unit to stand for 10 minutes and if necessary top up to the correct mark on the dipstick.

In addition where bearings are grease packed, the greases approved are given in table 2.

TABLE 1 LUBRICANT QUANTITY (Litres)

| Unit Type | UNITSIZE | | | | | | | | | | |
|-----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| H1 | 6 | 9 | 13 | 18 | 25 | 35 | 45 | 70 | 95 | 130 | 180 |
| H2 | 7 | 11 | 15 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| H2SF | 7 | 11 | 15 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| H2S | - | - | - | 19 | 25 | 32 | 45 | 55 | 90 | 125 | 175 |
| VH2 | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VH2SA | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VH2CT | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| H3 | 9 | 13 | 17 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| H3SF | 9 | 13 | 17 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| H3S | - | - | - | 19 | 25 | 32 | 45 | 55 | 90 | 125 | 175 |
| VH3 | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VH3SA | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VH3CT | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| B2 | 6 | 9 | 13 | 18 | 25 | 35 | 45 | 70 | 95 | 130 | 180 |
| B2SF | 6 | 9 | 13 | 18 | 25 | 35 | 45 | 70 | 95 | 130 | 180 |
| B2S | - | - | - | 17 | 22 | 30 | 40 | 50 | 80 | 115 | 165 |
| VB2 | - | - | - | 18 | 25 | 34 | 47 | 65 | 92 | 130 | 180 |
| VB2SA | - | - | - | 18 | 25 | 34 | 47 | 65 | 92 | 130 | 180 |
| VB2CT | - | - | - | 18 | 25 | 34 | 47 | 65 | 92 | 130 | 180 |
| B3 | 7 | 11 | 15 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| B3SF | 7 | 11 | 15 | 20 | 27 | 35 | 50 | 70 | 100 | 140 | 205 |
| B3S | - | - | - | 19 | 25 | 32 | 45 | 55 | 90 | 125 | 175 |
| VB3 | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VB3SA | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |
| VB3CT | - | - | - | 21 | 29 | 40 | 55 | 76 | 105 | 150 | 210 |

TABLE 2 APPROVED BEARING GREASES

| SUPPLIER | DESIGNATION | ALLOWABLE OPERATING TEMPERATURE RANGE °C | |
|------------------------------|-------------------------|--|-----|
| | | ABOVE | TO |
| BP Oil International Limited | Energrease LS-EP | -30 | 130 |
| Caltex | Multifak EP | 0 | 120 |
| Castrol International | LMX Grease | -40 | 150 |
| | Spheerol AP | -30 | 110 |
| | Spheerol EPL | -10 | 120 |
| Fuchs Lubricants | Renolit EP | -25 | 100 |
| Klüber Lubrication | Klüüberlub BE 41-542 | -20 | 140 |
| Mobil Oil Company Limited | Mobilgrease XHP | -15 | 150 |
| | Mobilith SHC | -20 | 180 |
| Omega Manufacturing Division | Omega 85 | -40 | 230 |
| Optimol Ölwerke GmbH | Longtime PD | -45 | 140 |
| Shell Oils | Albida RL | -20 | 150 |
| | Alvania EP B | -20 | 120 |
| | Nerita HV | -30 | 130 |
| Texaco Limited | Multifak All Purpose EP | -30 | 140 |

Notes: 1) All the above greases are NLGI grade 2.

2) Refer to Radicon Application Engineers if the unit is operating in an ambient temperature outside the range of -30°C to 50°C.

APPROVED LUBRICATION

0007

TABLE 3 APPROVED LUBRICANTS

Type E Mineral oil containing industrial EP additives. These have a high load carrying capacity

| SUPPLIER | LUBRICANT RANGE | See notes page 17 | RADICON GRADE NUMBERS | | |
|--------------------------------|---------------------------|-------------------|------------------------------|---------------|------------|
| | | | 5 E | 6 E | 7 E |
| | | | AMBIENT TEMPERATURE RANGE °C | | |
| Batoyle Freedom Group | Remus | b | -5 to 25 | 0 to 40 | 10 to 50 |
| Boxer Services / Millers Oils | Indus | b,e | 220 (-10) | 320 (-10) | 460 (-10) |
| BP Oil International Limited | Energol GR-XF | b,c,e | 220 (-16) | 320 (-13) | 460 (-1) |
| | Energol GR-XP | b,e | 220 (-15) | 320 (-10) | 460 (-7) |
| Caltex | Meropa | b | 220 (-4) | 320 (-4) | 460 (-4) |
| | RPM Borate EP Lubricant | b | 220 (-7) | 320 (-4) | 460 (-7) |
| Carl Bechem GmbH | Berugear GS BM | b | 220 (-20) | 320 (-13) | 460 (-10) |
| | Staroil G | b | 220 (-13) | 320 (-13) | 460 (-10) |
| Castrol International | Alpha Max | b,c,e | 220 (-19) | 320 (-13) | 460 (-10) |
| | Alpha SP | b,e | 220 (-16) | 320 (-16) | 460 (-1) |
| Chevron Lubricants | Gear Comp EP (USA ver) | b | 220 (-16) | 320 (-13) | 460 (-10) |
| | Gear CompEP (Eastern ver) | b | 220 (-13) | 320 (-13) | 460 (-13) |
| | Ultra Gear | b | 220 (-10) | 320 (-7) | 460 (-7) |
| Eko-Elda Abee | Eko Gearlub | b | 220 (-13) | 320 (-10) | 460 (-1) |
| Engen Petroleum Limited | Gengear | b | 220 (-13) | 320 (-10) | 460 (-1) |
| Esso | Spartan EP | b,c | 220 (-16) | 320 (-13) | 460 (-7) |
| Esso/Exxon | Spartan EP | b,h | 220 (-12) | 320 (-12) | 460 (-4) |
| Fuchs Lubricants | Powergear | b | | P/Gear (-16) | M460 (-4) |
| | Renogear V | b | 220EP (-13) | 320EP (-4) | 460EP (-4) |
| | Renogear WE | b | 220 (-7) | 320 (-4) | 400 (-4) |
| | Renolin CLPF Super | b,d,e | 6 (-13) | 8 (-10) | 10 (-10) |
| Klüber Lubrication | Klüberoil GEM1 | b | 220 (-5) | 320 (-5) | 460 (-5) |
| Kuwait Petroleum International | Q8 Goya | b | 220 (-16) | 320 (-13) | 460 (-10) |
| Lubrication Engineers Inc | Almasol Vari-Purpose Gear | b | 607 (-18) | 605 (-13) | 608 (-10) |
| Mobil Oil Company Limited | Mobil gear 600 Series | b | 630 (-13) | 632 (-13) | 634 (-1) |
| | Mobil gear XMP | b,c | 220 (-19) | 320 (-13) | 460 (-7) |
| Omega Manufacturing Division | Omega 690 | b,e | | 85w/140 (-15) | |
| Optimol Ölwerke GmbH | Optigear BM | b | 220 (-11) | 320 (-10) | 460 (-7) |
| | Optigear | b | 220 (-18) | 320 (-9) | 460 (-7) |
| Pertamina (Indonesia) | Masri | b,e | 220 (-4) | 320 (-4) | 460 (-4) |
| Petro-Canada | Ultima EP | b,e | 220 (-22) | 320 (-16) | 460 (-10) |
| Rocol | Sapphire Hi-Torque | b,e | 220 (-13) | 320 (-13) | 460 (-13) |
| Sasol Oil (Pty) Limited | Cobalt | b,e | 220 (-4) | 320 (-1) | 460 (-4) |
| | Hemat | b,e | 220 (-10) | 320 (-7) | 460 (-4) |
| Saudi Arabian Lubr. Oil Co. | Gear Lube EP | b,e | EP220 (-1) | EP320 (0) | EP460 (0) |
| Shell Oils | Omala | b | 220 (-4) | 320 (-4) | 460 (-4) |
| | Omala F | b,c | 220 (-13) | 320 (-10) | 460 (-4) |
| Texaco Limited | Meropa | b | 220 (-16) | 320 (-16) | 460 (-10) |
| | Meropa WM | b, c | 220 (-19) | 320 (-16) | 460 (-11) |
| Total | Carter EP | b | 220 (-7) | 320 (-7) | 460 (-4) |
| | Carter VP/CS | b | 220 (-16) | 320 (-13) | 460 (-7) |
| Tribol GmbH | Molub-Alloy Gear Oil | b,d | 90 (-18) | 690 (-16) | 140 (-13) |
| | Tribol 1100 | b | 220 (-20) | 320 (-18) | 460 (-16) |

DANGER

Numbers in brackets indicate recommended minimum operating temperature in °C.

THE UNIT MUST NOT RUN BELOW THIS TEMPERATURE.

TABLE 4 APPROVED LUBRICANTS

Type H Polyalphaolefin based synthetic lubricants with Anti-Wear or EP additives.
These have a medium to high load carrying capacity.

| SUPPLIER | LUBRICANT RANGE | See notes page 17 | RADICON GRADE NUMBERS | | |
|--------------------------------|------------------------|-------------------|------------------------------|-----------|-----------|
| | | | 5H | 6H | 7H |
| | | | AMBIENT TEMPERATURE RANGE °C | | |
| | | | -10 to 30 | 0 to 45 | 10 to 50 |
| Batoyle Freedom Group | Titan | b | 220 (-31) | 320 (-28) | |
| Boxer Services / Millers Oils | Silkgear | b | 220 (-35) | 320 (-35) | 460 (-35) |
| BP Oil International Limited | Enersyn EPX | b,e | | 320 (-28) | |
| Caltex | Pinnacle EP | b | 220 (-43) | 320 (-43) | 460 (-37) |
| Carl Bechem GmbH | Berusynth GP | b | 220 (-38) | 320 (-35) | 460 (-32) |
| Castrol International | Alphasyn EP | b,c | 220 (-37) | 320 (-31) | 460 (-31) |
| | Alphasyn T | b | 220 (-31) | 320 (-28) | 460 (-28) |
| Chevron Lubricants | Tegra | b | 220 (-46) | 320 (-33) | 460 (-31) |
| Esso/Exxon | Spartan Synthetic EP | b,e | 220 (-46) | 320 (-43) | 460 (-40) |
| Fuchs Lubricants | Renogear SG | b | 220 (-32) | 320 (-30) | |
| Klüber Lubrication | Klübersynth GEM 4 | b | 220 (-35) | 320 (-35) | 460 (-30) |
| Kuwait Petroleum International | Q8 EL Greco | b | 220 (-22) | 320 (-19) | 460 (-16) |
| Lubrication Engineers Inc | Synolec Gear Lubricant | b | 9920 (-40) | | |
| Mobil Oil Company Limited | Mobilgear SHC | b | 220 (-40) | 320 (-37) | 460 (-32) |
| | Mobilgear SHC XMP | b,c | 220 (-40) | 320 (-33) | 460 (-31) |
| Optimol Ölwerke GmbH | Optigear Synthetic A | b | 220 (-31) | 320 (-31) | |
| Petro-Canada | Super Gear Fluid | b,e | 220 (-43) | 320 (-37) | 460 (-37) |
| Shell Oils | Omala HD | b,c | 220 (-43) | 320 (-40) | 460 (-37) |
| Texaco Limited | Pinnacle EP | b | 220 (-43) | 320 (-43) | 460 (-37) |
| | Pinnacle WM | b,c | 220 (-43) | 320 (-40) | |
| Total | Carter SP | b | 220 (-34) | 320 (-31) | 460 (-28) |
| Tribol GmbH | Tribol 1510 | b | 220 (-36) | 320 (-33) | 460 (-28) |

- NOTES:**
- b) These lubricants should not be used in units fitted with trailing sprag or holdback devices without prior agreement with the manufacturer; the additives, or the base fluids may modify the coefficient of friction which these devices depend on.
 - c) These lubricants have been tested for micro-pitting (FZG Type C), test results are available.
 - d) These oils contains solid lubricants (eg MOS₂ or graphite) and must NOT be used in units fitted with any type of hold-back device which relies on friction for its operation.
 - e) These lubricants contain additives which may adversely affect silvered or white metal components; consult oil supplier.
 - h) Minimum operating temperatures of these lubricants are based on worst case values, lower operating temperatures may be available, please check with local stockist.

DANGER

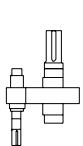
Numbers in brackets indicate recommended minimum operating temperature in °C.

THE UNIT MUST NOT RUN BELOW THIS TEMPERATURE.

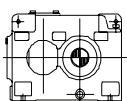
MOUNTING VERSIONS

9606

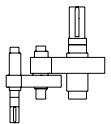
Single Reduction - Parallel Shafts



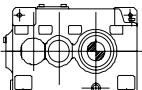
H1
Foot
Mounted



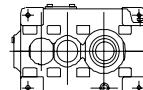
Double Reduction - Parallel Shafts



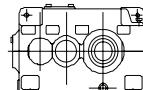
H2
Foot
Mounted



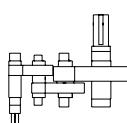
H2S
Shaft
Mounted



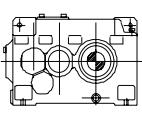
H2SF
Foot/Shaf
t Mounted



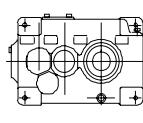
Triple Reduction - Parallel Shafts



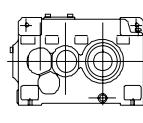
H3
Foot
Mounted



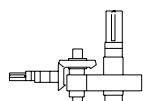
H3S
Shaft
Mounted



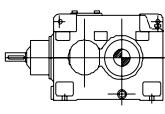
H3SF
Foot/Shaf
t Mounted



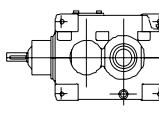
Double Reduction - Right Angle Shafts



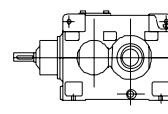
B2
Foot
Mounted



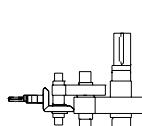
B2S
Shaft
Mounted



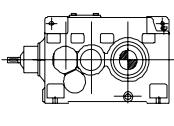
B2SF
Foot/Shaf
t Mounted



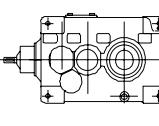
Triple Reduction - Right Angle Shafts



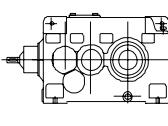
B3
Foot
Mounted



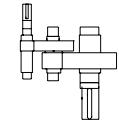
B3S
Shaft
Mounted



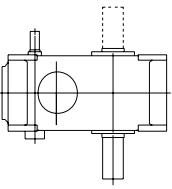
B3SF
Foot/Shaf
t Mounted



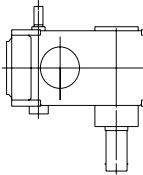
Double Reduction - Parallel Shafts



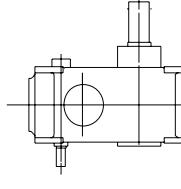
VH2
Standard
Units



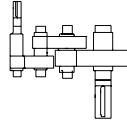
VH2 SA
Heavy Duty
Stirrer Drives



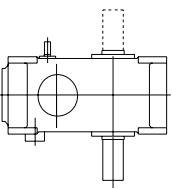
VH2 CT
Cooling
Tower
Drives



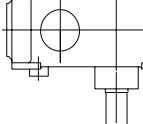
Triple Reduction - Parallel Shafts



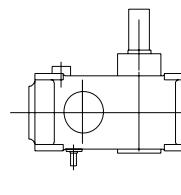
VH3
Standard
Units



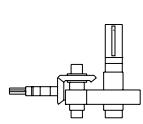
VH3 SA
Heavy Duty
Stirrer Drives



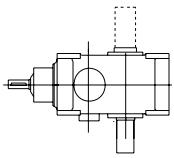
VH3 CT
Cooling
Tower
Drives



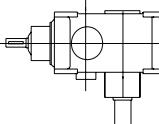
Double Reduction - Right Angle Shafts



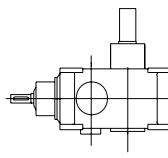
VB2
Standard
Units



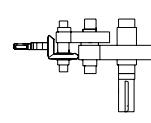
VB2 SA
Heavy Duty
Stirrer Drives



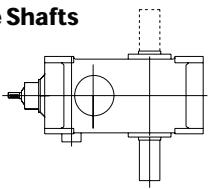
VB2CT
Cooling
Tower
Drives



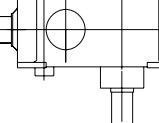
Triple Reduction - Right Angle Shafts



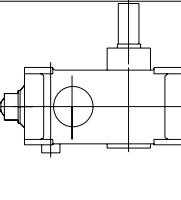
VB3
Standard
Units



VB3 SA
Heavy Duty
Stirrer Drives



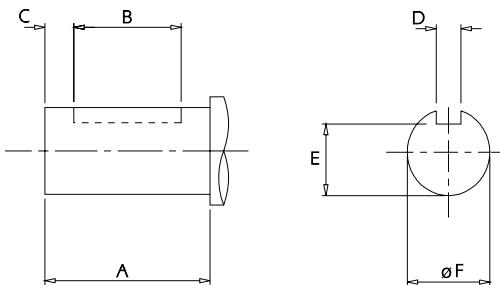
VB3 CT
Cooling
Tower
Drives



OUTPUTSHAFT OPTIONS

9512

OUTPUTSHAFT OPTIONS



| SIZE OF UNIT | TYPE OF OUTPUTSHAFT | DIMENSIONS IN MM (American Shaft in Inches) | | | | | |
|--------------|---------------------|---|-----|---|------------------|----------------|--------------------|
| | | A | B | C | D | E | ØF |
| 140 | Standard | 140 | 130 | 3 | 19.978 19.926 | 62.5 62.3 | 70.030 70.011 |
| 160 | Standard | 140 | 130 | 3 | 19.978 19.926 | 67.5 67.3 | 75.030 75.011 |
| 180 | Standard | 170 | 160 | 3 | 21.978 21.926 | 76.0 75.8 | 85.035 85.013 |
| 200 | Standard | 170 | 160 | 3 | 24.978 24.926 | 81.0 80.8 | 90.035 90.013 |
| 225 | Standard | 210 | 200 | 3 | 27.978 27.926 | 90.0 89.8 | 100.035 100.013 |
| 250 | Standard | 210 | 200 | 3 | 27.978 27.926 | 100.0 99.8 | 110.035 110.013 |
| 280 | Standard | 210 | 200 | 3 | 31.974 31.912 | 114.0 113.8 | 125.040 125.015 |
| 315 | Standard | 250 | 240 | 3 | 35.974 35.912 | 128.0 127.7 | 140.040 140.015 |
| 355 | Standard | 300 | 290 | 3 | 39.974 39.912 | 147.0 146.7 | 160.040 160.015 |
| 400 | Standard | 300 | 290 | 3 | 44.974 44.912 | 165.0 164.7 | 180.040 180.015 |
| 450 | Standard | 350 | 340 | 3 | 44.974 44.912 | 185.0 184.7 | 200.046 200.017 |

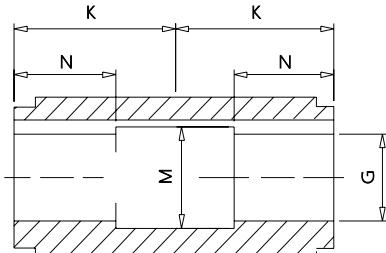
| | | | | | | | |
|-----|----------|-------|-------|---|-------|-------|-------|
| 200 | American | 6.69 | 6.38 | * | 0.875 | 3.261 | 3.750 |
| 225 | American | 8.27 | 8.00 | * | 1.000 | 3.690 | 4.250 |
| 250 | American | 8.27 | 8.00 | * | 1.000 | 3.944 | 4.500 |
| 280 | American | 8.27 | 8.00 | * | 1.250 | 4.296 | 5.000 |
| 315 | American | 9.84 | 9.50 | * | 1.500 | 4.900 | 5.750 |
| 355 | American | 11.81 | 11.50 | * | 1.500 | 5.662 | 6.500 |
| 400 | American | 11.81 | 11.50 | * | 1.750 | 6.393 | 7.250 |
| 450 | American | 13.78 | 13.50 | * | 2.000 | 7.631 | 8.500 |

* American shaft has an open ended keyway, therefore no 'C' dimension is required

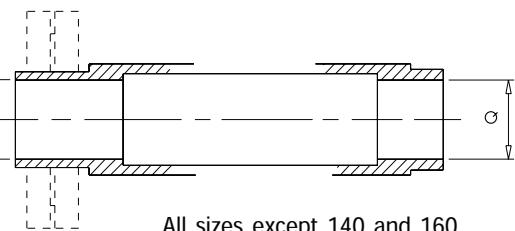
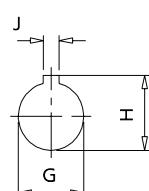
OUTPUTBORE OPTIONS

9709

OUTPUTBORE OPTIONS



Sizes 140 and 160 only



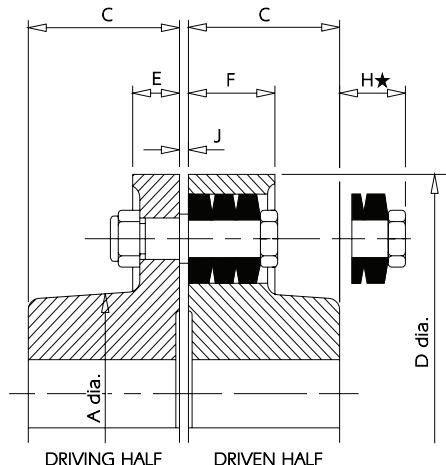
All sizes except 140 and 160

| SIZE OF UNIT | TYPE OF OUTPUTBORE | DIMENSIONS IN MM (American Bore in Inches) | | | | | | | |
|--------------|--------------------|--|--------------|------------------|-----|----|----|--------------------|--------------------|
| | | G | H | J | K | M | N | P | Q |
| 140 | Standard | 75.060 75.030 | 80.1 79.9 | 20.026 19.974 | 140 | 76 | 75 | - | - |
| 160 | Standard | 85.071 85.036 | 90.6 90.4 | 22.026 21.974 | 160 | 86 | 85 | - | - |
| 180 | Standard | - | - | - | - | - | - | 85.035 85.000 | 90.047 90.012 |
| 200 | Standard | - | - | - | - | - | - | 95.035 95.000 | 100.047 100.012 |
| 225 | Standard | - | - | - | - | - | - | 115.035 115.000 | 120.047 120.012 |
| 250 | Standard | - | - | - | - | - | - | 125.040 125.000 | 130.054 130.014 |
| 280 | Standard | - | - | - | - | - | - | 140.040 140.000 | 145.054 145.014 |
| 315 | Standard | - | - | - | - | - | - | 160.040 160.000 | 165.054 165.014 |
| 355 | Standard | - | - | - | - | - | - | 170.040 170.000 | 175.054 175.014 |
| 400 | Standard | - | - | - | - | - | - | 190.046 190.000 | 200.061 200.015 |
| 450 | Standard | - | - | - | - | - | - | 220.046 220.000 | 230.061 230.015 |

| | | | | | | | | | |
|-----|----------|---|---|---|---|---|---|------------------|------------------|
| 200 | American | - | - | - | - | - | - | 3.7513 3.7500 | 3.9397 3.9385 |
| 225 | American | - | - | - | - | - | - | 4.5013 4.5000 | 4.7207 4.7195 |
| 250 | American | - | - | - | - | - | - | 4.9396 4.9380 | 5.1271 5.1256 |
| 280 | American | - | - | - | - | - | - | 5.5016 5.5000 | 5.7211 5.7196 |
| 315 | American | - | - | - | - | - | - | 6.3146 6.3130 | 6.5021 6.5006 |
| 355 | American | - | - | - | - | - | - | 6.6901 6.6886 | 6.9087 6.9071 |
| 400 | American | - | - | - | - | - | - | 7.5025 7.5006 | 7.8781 7.8762 |
| 450 | American | - | - | - | - | - | - | 8.6275 8.6256 | 9.0661 9.0642 |

CONE RING FLEXIBLE COUPLINGS

0008



This type of coupling compensates for normal angular and parallel misalignment of shafts, together with a limited freedom of axial movement. The conical section rubber rings provide greatly improved torsional flexibility in drives where shock or cyclic loadings are present.

Two types are available, MEDIUM DUTY and HEAVY DUTY. Medium duty couplings (types 612 and 614) are identical to heavy duty couplings (types 611 and 613) except that they are supplied with only half the standard number of pin and ring assemblies. This enables a useful cost saving to be made when the size of coupling is determined by the shaft diameter rather than the coupling's torque capacity.

Parallel Keyway to BS 4235 : Part 1 1972 (1986) with P9 width tolerance

Bore tolerance to ISO 286-2-1988(E) is M7 upto and incl. 50 mm K7 over 50 mm

| Coupling Size | A | D | E | F | H | H★ | J |
|---------------|-----|-----|----|----|----|----|---|
| 01 | 64 | 134 | 12 | 26 | 20 | 28 | 3 |
| 02 | 70 | 147 | 12 | 26 | 12 | 23 | 3 |
| 03 | 83 | 171 | 19 | 35 | 26 | 37 | 3 |
| 04 | 97 | 193 | 19 | 35 | 19 | 37 | 3 |
| 05 | 117 | 215 | 19 | 35 | 11 | 37 | 3 |
| 06 | 127 | 254 | 31 | 56 | 46 | 59 | 3 |
| 07 | 147 | 279 | 31 | 56 | 34 | 52 | 3 |
| 08 | 180 | 330 | 30 | 61 | 22 | 41 | 3 |
| 09 | 206 | 371 | 46 | 81 | 45 | 53 | 6 |
| 10 | 230 | 419 | 46 | 81 | 30 | 41 | 6 |
| 11 | 256 | 457 | 46 | 81 | 12 | - | 6 |
| 12 | 296 | 533 | 46 | 81 | 0 | - | 6 |

* The coupling pin withdrawal distance is dimension H for straight bored couplings or dimension H★ for taper bushed couplings.

| Reference number | Bore diameter | Reference number | Bore diameter |
|------------------|---------------|------------------|---------------|
| - - - | Pilot | 063 | 63 |
| 018 | 18 | 065 | 65 |
| 019 | 19 | 070 | 70 |
| 020 | 20 | 071 | 71 |
| 022 | 22 | 075 | 75 |
| 024 | 24 | 080 | 80 |
| 025 | 25 | 085 | 85 |
| 028 | 28 | 090 | 90 |
| 030 | 30 | 095 | 95 |
| 032 | 32 | 100 | 100 |
| 035 | 35 | 110 | 110 |
| 038 | 38 | 115 | 115 |
| 040 | 40 | 120 | 120 |
| 042 | 42 | 125 | 125 |
| 045 | 45 | 130 | 130 |
| 048 | 48 | 140 | 140 |
| 050 | 50 | 150 | 150 |
| 055 | 55 | 160 | 160 |
| 056 | 56 | 170 | 170 |
| 060 | 60 | | |

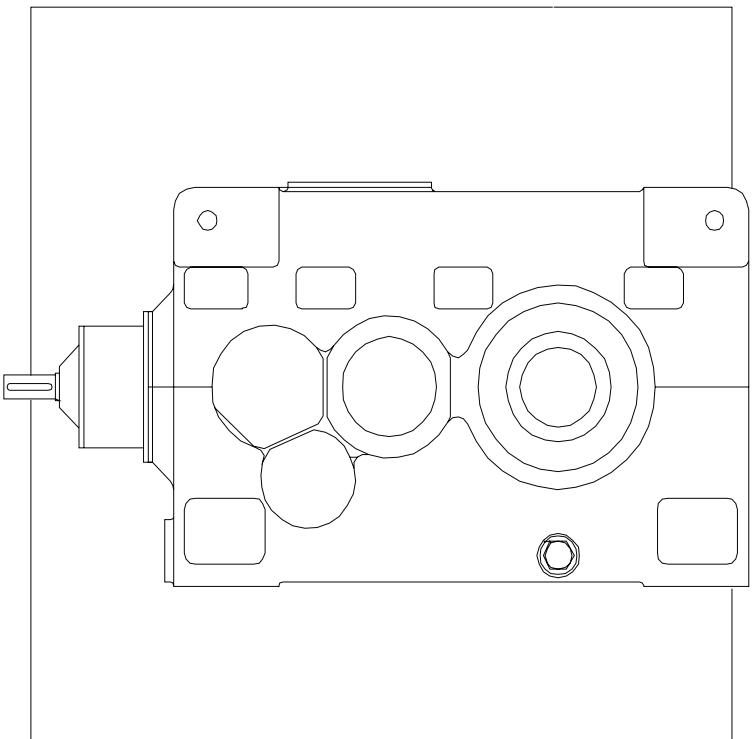
| Coupling size | Max. bore | Types 611 & 612 Straight bored | | Types 613 & 614 Taper bushed | | | Types 612 & 614 Medium Duty | | | Types 611 & 613 Heavy Duty | | | | | |
|---------------|-----------|-----------------------------------|--------------|---------------------------------|-----------|--------------|--------------------------------|------------|----------------|-------------------------------|-----------------|------------|----------------|-------------|------|
| | | Min. bore | Hub length C | Max. bore | Min. bore | Hub length C | Taper bush length | Torque kNm | kW 100 rev/min | kW 960 rev/min | kW 1450 rev/min | Torque kNm | kW 100 rev/min | Max rev/min | |
| 01 | 38 | * | 19 | 48 | 25 | 9 | 40 | 22.3 | 0.090 | 0.95 | 9.1 | 13.7 | 0.181 | 1.89 | 4780 |
| 02 | 42 | * | 22 | 56 | 32 | 11 | 45 | 38.1 | 0.140 | 1.46 | 14.0 | 21.2 | 0.279 | 2.92 | 4335 |
| 03 | 48 | * | 25 | 61 | 40 | 14 | 50 | 38.1 | 0.232 | 2.43 | 23.4 | 35.3 | 0.465 | 4.87 | 3745 |
| 04 | 60 | * | 28 | 68 | 48 | 18 | 50 | 44.5 | 0.359 | 3.75 | 36.0 | 54.4 | 0.717 | 7.51 | 3320 |
| 05 | 70 | * | 32 | 76 | 60 | 16 | 50 | 44.5 | 0.509 | 5.33 | 51.2 | 77.3 | 1.018 | 10.7 | 3000 |
| 06 | 80 | 25 | 42 | 88 | 60 | 19 | 75 | 63.5 | 1.219 | 12.76 | 123 | 185 | 2.438 | 25.5 | 2520 |
| 07 | 90 | 30 | 55 | 100 | 75 | 35 | 82 | 76.2 | 1.681 | 17.60 | 169 | 255 | 3.362 | 35.2 | 2295 |
| 08 | 100 | 40 | 60 | 117 | 90 | 35 | 98 | 88.9 | 2.524 | 26.42 | 254 | 383 | 5.047 | 52.8 | 1940 |
| 09 | 120 | 50 | 65 | 132 | 110 | 55 | 124 | 114.3 | 4.217 | 44.15 | 424 | 640 | 8.433 | 88.3 | 1725 |
| 10 | 140 | 80 | 80 | 147 | 125 | 70 | 136 | 127 | 5.765 | 60.37 | 580 | 875 | 11.53 | 120.7 | 1530 |
| 11 | 150 | 90 | 90 | 165 | - | - | - | - | 7.530 | 78.85 | 757 | - | 15.06 | 157.7 | 1400 |
| 12 | 170 | 100 | 100 | 188 | - | - | - | - | 11.750 | 123.00 | 1181 | - | 23.50 | 246.1 | 1200 |

* Note: up to size 05 the Driving half hubs are solid.

All dimensions in mm

For applications in ambient temperatures above 80°C (176°F) or below -30°C (-22°F) refer to Radicon.

The depths of rectangular Imperial keyways to BS46 are generally greater than the equivalent metric keyways, hence the maximum bores given must be marginally reduced when using an Imperial inch system. Consult Radicon for details.



REDUCER

OVERHUNG & AXIAL LOADS (NEWTONS) ON SHAFTS

9606

Whenever a sprocket, gear or pulley is mounted on the shaft, a calculation should be made to determine the overhung load in kN on the shaft, using the formula:

$$P = \frac{kW \times 9545 \times K}{N \times R}$$

where

P = equivalent overhung load (kN)
 kW = power carried by the shaft (kilowatts)
 N = speed of shaft (rev/min)
 R = pitch radius of sprocket, etc. (mm)
 K = factor

Notes

- 1) Values are calculated for the most unfavourable direction of rotation. Consult Radicon for a detailed analysis in critical selections.
- 2) Overhung load values are for loads applied midway along shaft extension.

| <u>Overhung member</u> | <u>K(factor)</u> |
|------------------------|------------------|
| Sprocket for chain | 1.00 |
| Spur gear | 1.25 |
| Vee belt sheave | 1.50 |
| Flat belt pulley | 3.00 |

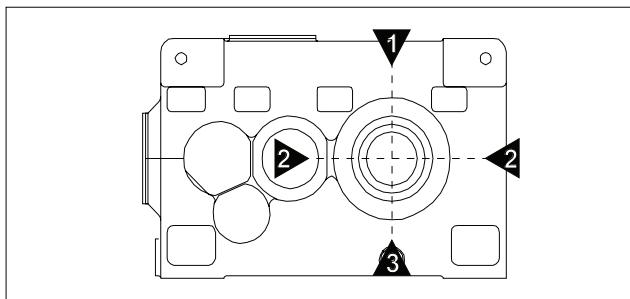


Table 1 Permissible overhung load (kN) on the high speed shaft at 1450 rev/min (Horizontal and Vertical)

| Type of unit | Output speed rev/min | Unit size | | | | | | | | | | |
|----------------|----------------------|-----------|-----|------|----------|------|-----------|------|-----------|------|------|------|
| | | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| H2, H2S & H2SF | <260 | 3.4 | 3.6 | 4.9 | 6.0 | 5.3 | 6.4 | 7.8 | 12.4 | 19.0 | 30.6 | 57.4 |
| | <100 | 4.0 | 8.0 | 8.1 | 13.5 | 16.0 | 23.4 | 23.1 | 41.6 | 41.1 | 67.9 | 47.1 |
| H3, H3S & H3SF | <60 | 2.9 | 3.0 | 4.0 | 6.4 (A1) | 5.8 | 15.0 (A2) | 12.0 | 20.0 (A2) | 19.5 | 24.0 | 32.0 |
| B2, B2S & B2SF | <290 | 6.3 | 6.5 | 11.6 | 12.1 | 10.9 | 14.9 | 19.7 | 27.8 | 22.5 | 21.8 | 24.1 |
| | <130 | 7.7 | 6.9 | 13.6 | 22.2 | 26.2 | 30.2 | 36.7 | 40.6 | 56.2 | 68.6 | 76.4 |
| B3, B3S & B3SF | <105 | 4.1 | 3.2 | 4.9 | 7.4 | 8.5 | 13.3 | 18.1 | 23.1 | 28.8 | 36.5 | 44.7 |

Notes: A) Refer to Radicon application engineers for allowable overhung load for:-

A1) All units with an output speed above 40 rev/min (H3 size 200)

and A2) Size 250 ratio 28.3/1 and size 315 ratio 25.6/1

B) Vertical units include heavy duty stirrer drives and cooling tower drives

Table 2 Permissible overhung load on low speed shaft (kN) (Horizontal Units)

| Direction of load | Output speed rev/min | Types H2 and H3 | | | | | | | | | | |
|-------------------|----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Unit size | | | | | | | | | | |
| | | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 1 | <300 | 12 | 13 | 30 | 25 | 45 | 36 | 45 | 57 | 125 | 136 | 215 |
| | <180 | 13 | 14 | 33 | 28 | 52 | 43 | 54 | 63 | 148 | 158 | 238 |
| | <130 | 16 | 17 | 40 | 34 | 59 | 47 | 68 | 75 | 165 | 188 | 285 |
| | <90 | 17 | 19 | 40 | 37 | 73 | 59 | 78 | 94 | 203 | 238 | 350 |
| | <45 | 17 | 19 | 43 | 37 | 73 | 68 | 90 | 108 | 228 | 285 | 400 |
| | <20 | 17 | 19 | 43 | 37 | 73 | 68 | 101 | 108 | 228 | 288 | 400 |
| 2 | <300 | 12 | 13 | 30 | 30 | 45 | 36 | 45 | 57 | 125 | 136 | 215 |
| | <180 | 13 | 14 | 33 | 34 | 52 | 43 | 54 | 63 | 148 | 158 | 238 |
| | <130 | 14 | 15 | 34 | 34 | 52 | 47 | 68 | 72 | 150 | 188 | 269 |
| 3 | <300 | 6.0 | 6.5 | 15 | 13 | 25 | 23 | 34 | 36 | 94 | 117 | 152 |

OVERHUNG LOADS (NEWTONS) ON SHAFTS

9709

Table 3 Permissible overhung load on low speed shaft (kN) (Horizontal Units)

| Direction of load | Output speed rev/min | Types B2 and B3 | | | | | | | | | | |
|-------------------|----------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Unit size | | | | | | | | | | |
| | | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 1 | <300 | 10 | 9.1 | 15 | 23 | 42 | 33 | 40 | 52 | 108 | 130 | 226 |
| | <180 | 12 | 10 | 18 | 27 | 48 | 40 | 48 | 58 | 128 | 151 | 250 |
| | <130 | 14 | 13 | 21 | 32 | 55 | 43 | 60 | 68 | 143 | 180 | 300 |
| | <90 | 15 | 14 | 23 | 36 | 68 | 54 | 69 | 86 | 175 | 228 | 368 |
| | <45 | 15 | 14 | 23 | 36 | 68 | 62 | 79 | 98 | 197 | 273 | 420 |
| | <20 | 15 | 14 | 23 | 36 | 68 | 62 | 89 | 98 | 197 | 276 | 420 |
| 2 | <300 | 10 | 9.1 | 15 | 23 | 42 | 38 | 40 | 52 | 108 | 130 | 226 |
| | <180 | 12 | 10 | 18 | 28 | 48 | 40 | 48 | 58 | 128 | 151 | 250 |
| | <130 | 12 | 10 | 18 | 28 | 48 | 43 | 60 | 80 | 130 | 180 | 283 |
| 3 | <300 | 5.3 | 4.7 | 7.9 | 12 | 23 | 21 | 30 | 33 | 66 | 112 | 160 |

Table 4 Permissible overhung load on low speed shaft (kN) (Vertical Units)

| Output speed rev/min | Types VH2, VH3, VB2 and VB3 | | | | | | | |
|----------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|
| | Unit size | | | | | | | |
| | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| <300 | 24 | 26 | 28 | 27 | 45 | 65 | 58 | 89 |
| <180 | 34 | 37 | 42 | 43 | 66 | 94 | 89 | 132 |
| <130 | 38 | 42 | 49 | 53 | 77 | 108 | 107 | 173 |
| <90 | 43 | 50 | 58 | 64 | 91 | 126 | 128 | 183 |
| <45 | 52 | 70 | 82 | 93 | 129 | 175 | 185 | 260 |
| <20 | 52 | 70 | 102 | 118 | 159 | 218 | 230 | 320 |

Table 5 Permissible overhung load (kN) on the low speed shaft of heavy duty stirrer drives (Vertical units)

| Output speed rev/min | Unit size | | | | | | | |
|----------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
| | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| <300 | 28 | 30 | 34 | 31 | 51 | 77 | 68 | 105 |
| <180 | 39 | 44 | 51 | 54 | 76 | 111 | 104 | 155 |
| <130 | 44 | 51 | 58 | 60 | 87 | 128 | 124 | 183 |
| <90 | 50 | 60 | 69 | 73 | 105 | 149 | 148 | 216 |
| <45 | 78 | 93 | 109 | 118 | 162 | 229 | 239 | 342 |
| <20 | 85 | 103 | 122 | 134 | 181 | 258 | 267 | 380 |

AXIAL THRUST LOADS

9606

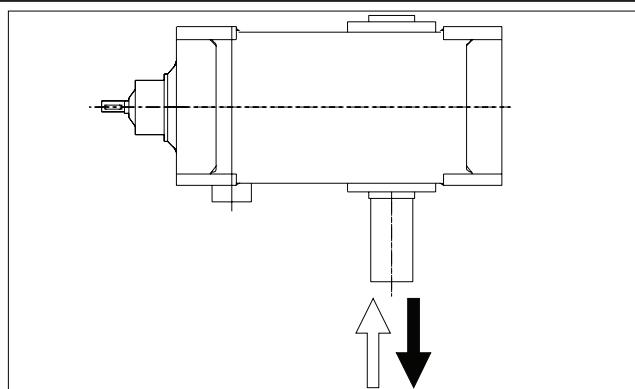


Table 6 Permissible axial thrust (kN) on the low speed shaft (Horizontal units)

| Output speed rev/min | Unit size | | | | | | | | | | |
|-------------------------|-----------|------|------|------|------|------|------|------|------|------|------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| <300 | 5.6 | 7.0 | 10.6 | 16.0 | 16.2 | 16.1 | 17.2 | 26.7 | 33.7 | 47.5 | 80.5 |
| <180 | 6.4 | 7.5 | 11.6 | 16.0 | 18.3 | 17.9 | 20.9 | 32.3 | 34.7 | 51.1 | 84.8 |
| <130 | 7.0 | 8.5 | 13.1 | 15.7 | 20.0 | 17.2 | 20.2 | 31.8 | 39.3 | 59.1 | 80.2 |
| <90 | 9.9 | 12.9 | 14.7 | 15.5 | 22.0 | 16.9 | 24.8 | 39.8 | 49.7 | 70.7 | 77.1 |
| <45 | 13.8 | 16.2 | 14.7 | 15.7 | 22.3 | 17.0 | 25.3 | 58.0 | 55.8 | 94.3 | 77.0 |
| <20 | 16.3 | 18.4 | 15.9 | 15.6 | 22.0 | 16.8 | 25.0 | 59.1 | 55.3 | 94.1 | 77.5 |

Table 7 Axial thrust capacity (kN) Allowable thrust on output shaft, limited by COVER BOLT STRESS

| Unit type | Unit size | | | | | | | |
|---|-----------|-----|-----|-----|-----|-----|-----|-----|
| | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| Standard Units VH2, VH3, VB2, VB3 | 19 | 26 | 25 | 33 | 48 | 64 | 99 | 94 |
| Heavy Duty Stirrer Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | 26 | 26 | 35 | 54 | 68 | 83 | 99 | 94 |
| Cooling Tower Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | 19 | 26 | 25 | 33 | 48 | 64 | 99 | 94 |

Note: The values in table 7 are calculated for the most adverse direction of rotation. For the opposite rotation they can be increased by at least 50%. Consult Radicon for an analysis where necessary.

Table 8 Axial thrust capacity (kN) Allowable thrust on output shaft, limited by BEARING LIFE (10,000 hrs L10)*

| Direction of thrust | Unit type | Output speed rev/min | Unit size | | | | | | | |
|---------------------------|---|----------------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
| | | | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| ↑ | Standard Units VH2, VH3, VB2, VB3 Heavy Duty Stirrer Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA Cooling Tower Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | <300 | 15 | 18 | 20 | 23 | 32 | 50 | 49 | 70 |
| | | <180 | 20 | 25 | 27 | 32 | 44 | 66 | 66 | 93 |
| | | <130 | 22 | 26 | 30 | 35 | 47 | 70 | 71 | 99 |
| | | <90 | 25 | 30 | 34 | 41 | 54 | 80 | 82 | 114 |
| | | <45 | 38 | 45 | 52 | 63 | 85 | 123 | 127 | 175 |
| | | <20 | 41 | 51 | 58 | 69 | 92 | 132 | 137 | 189 |
| ↓ | Standard Units VH2, VH3, VB2, VB3 Cooling Tower Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | <300 | 15 | 18 | 20 | 23 | 32 | 50 | 49 | 70 |
| | | <180 | 20 | 25 | 27 | 32 | 44 | 66 | 66 | 93 |
| | | <130 | 22 | 26 | 30 | 35 | 47 | 70 | 71 | 99 |
| | | <90 | 25 | 30 | 34 | 41 | 54 | 80 | 82 | 114 |
| | | <45 | 38 | 45 | 52 | 63 | 85 | 123 | 127 | 175 |
| | | <20 | 41 | 51 | 58 | 69 | 92 | 132 | 137 | 189 |
| ↓ | Heavy Duty Stirrer Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | <300 | 22 | 24 | 28 | 38 | 57 | 56 | 82 | 109 |
| | | <180 | 29 | 32 | 37 | 50 | 74 | 74 | 106 | 139 |
| | | <130 | 30 | 34 | 39 | 52 | 77 | 78 | 110 | 142 |
| | | <90 | 34 | 38 | 44 | 60 | 87 | 88 | 123 | 158 |
| | | <45 | 51 | 58 | 68 | 91 | 131 | 134 | 188 | 238 |
| | | <20 | 55 | 63 | 73 | 97 | 139 | 144 | 200 | 252 |

* For other lives multiply values by the factors in table 9 page 26

Note: Values are based on the most unfavourable direction of rotation. Higher values may be permitted after analysis by Radicon.

To calculate the Bending Moment on the gearbox output shaft using the method recommended in The Engineering Equipment Users' Association Handbook No. 9:-

$$\text{Bending Moment} = \frac{\text{Absorbed Power (kW)} \times 9.5 \times L}{\text{Shaft Speed} \times 0.75 R} \text{ kNm}$$

The above information is given for guidance. When more precise bending moment values are available they should be used.

Check the Bending Moment Capacity of the Gearbox

Standard units and the Heavy Duty SA type are both suitable for supporting a paddle directly coupled to the gearbox output shaft and for accepting the bending moments and axial thrusts generated from the forces at the paddle. The SA type unit has an enlarged output shaft, extended bearing span and bigger bearings to accept higher loads than the standard unit. Check the standard unit first and, if this has insufficient capacity, use the SA type.

Check the Bending Moment Capacity limited by shaft stress, using Table 10.

Check the Bending Moment Capacity limited by bearing life, using Table 11.

Note: Bearing Capacities are based on 10,000 hours, L10 life.
For other bearing lives multiply the values in Table 11 by the factors in Table 9.

Table 9 Bearing Life Factors (F_B)

| | Required Life (hours) | | | | |
|---|-----------------------|-------|-------|-------|--------|
| | 5000 | 10000 | 25000 | 50000 | 100000 |
| Factor | 1.23 | 1 | 0.76 | 0.62 | 0.50 |
| For intermediate values | | | | | |
| $F_B = \left(\frac{10000}{\text{Required Life (hours)}} \right)^{0.3}$ | | | | | |

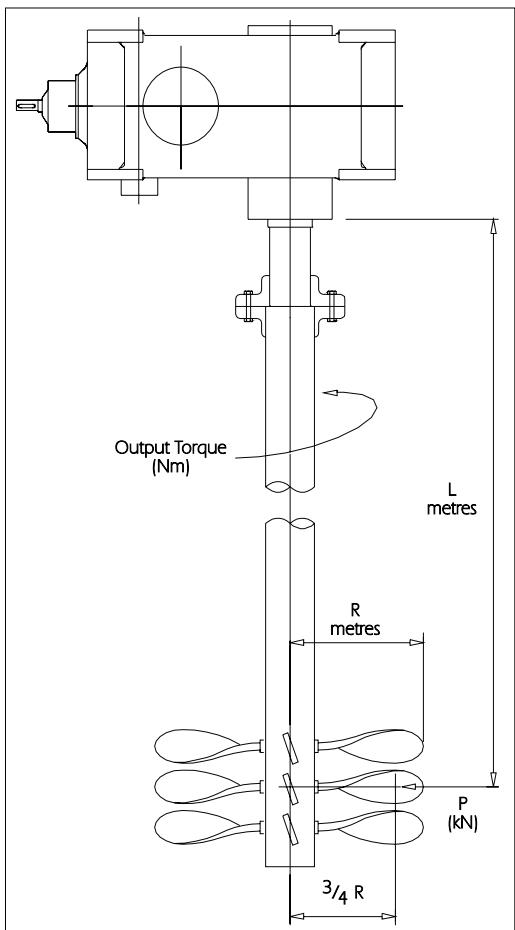


Table 10 Bending Moment Capacity (kNm)

Allowable Bending Moment at output shaft lower bearing, limited by SHAFT STRESS

| Unit type | Unit size | | | | | | | |
|---|-----------|-----|-----|-----|-----|-----|-----|-----|
| | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| Standard Units VH2, VH3, VB2, VB3 | 12 | 19 | 22 | 28 | 44 | 65 | 93 | 120 |
| Heavy Duty Stirrer Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | 16 | 21 | 27 | 51 | 75 | 99 | 143 | 162 |

Table 11 Bending Moment Capacity (kNm)

Allowable Bending Moment on output shaft lower bearing, limited by BEARING LIFE (10,000 hrs L10)*

| Unit type | Output speed rev/min | Unit size | | | | | | | |
|---|----------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
| | | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| Standard Units VH2, VH3, VB2, VB3 | <300 | 6.9 | 8.3 | 9.8 | 10 | 18 | 30 | 29 | 51 |
| | <180 | 9.6 | 12 | 15 | 16 | 27 | 43 | 45 | 76 |
| | <130 | 11 | 14 | 17 | 20 | 31 | 49 | 54 | 88 |
| | <90 | 12 | 16 | 20 | 24 | 37 | 59 | 65 | 105 |
| | <45 | 19 | 25 | 31 | 38 | 58 | 89 | 104 | 165 |
| | <20 | 21 | 28 | 35 | 44 | 65 | 100 | 116 | 184 |
| Heavy Duty Stirrer Drives VH2 SA, VH3 SA, VB2 SA, VB3 SA | <300 | 10 | 12 | 15 | 15 | 27 | 45 | 44 | 76 |
| | <180 | 14 | 18 | 22 | 24 | 41 | 65 | 68 | 113 |
| | <130 | 16 | 21 | 25 | 29 | 47 | 74 | 81 | 133 |
| | <90 | 18 | 24 | 30 | 36 | 55 | 87 | 97 | 157 |
| | <45 | 28 | 38 | 47 | 58 | 88 | 133 | 156 | 249 |
| | <20 | 31 | 42 | 53 | 65 | 98 | 150 | 174 | 276 |

* For other lives multiply values by the factors in table 9

MOMENTS OF INERTIA

9604

MOMENTS OF INERTIA (Kg cm²) Referred to Input Shaft

Single Reduction Units Types H1

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|---------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 1.22 | 366. | 656. | 1195. | 1900. | 3300. | 5975. | 9730. | 18650 | 32400 | 58550 | 102500 |
| 1.36 | 334. | 572. | 1065. | 1700. | 2985. | 5375. | 9005. | 16650 | 29300 | 52300 | 92600 |
| 1.50 | 281. | 531. | 952. | 1485. | 2695. | 4400. | 7525. | 14600 | 26950 | 45700 | 83550 |
| 1.66 | 253. | 461. | 839. | 1320. | 2470. | 3930. | 6820. | 13000 | 24300 | 40650 | 76800 |
| 1.84 | 231. | 428. | 736. | 1170. | 2225. | 3870. | 6285. | 11250 | 19500 | 36000 | 69050 |
| 2.03 | 209. | 380. | 696. | 1150. | 1995. | 3445. | 5665. | 9920. | 19600 | 35450 | 61850 |
| 2.25 | 188. | 352. | 626. | 988. | 1780. | 2985. | 5080. | 8475. | 17450 | 30400 | 55100 |
| 2.49 | 168. | 287. | 559. | 828. | 1580. | 2565. | 4525. | 8245. | 15150 | 26000 | 48800 |
| 2.76 | 143. | 279. | 450. | 808. | 1340. | 2415. | 3930. | 7085. | 12950 | 25100 | 41500 |
| 3.05 | 126. | 233. | 393. | 662. | 1330. | 2125. | 3390. | 6575. | 11250 | 20700 | 40800 |
| 3.38 | 120. | 224. | 380. | 639. | 1105. | 1740. | 3230. | 5450. | 10700 | 19800 | 34700 |
| 3.74 | 94.2 | 173. | 332. | 496. | 907. | 1600. | 2605. | 4850. | 8830. | 15500 | 28100 |
| 4.13 | 89.4 | 153. | 287. | 476. | 834. | 1490. | 2570. | 4470. | 8275. | 14800 | 26250 |
| 4.57 | 70.0 | 140. | 264. | 413. | 789. | 1190. | 2050. | 3715. | 6510. | 12100 | 24400 |
| 5.06 | 64.5 | 117. | 208. | 357. | 641. | 1095. | 1890. | 3500. | 6075. | 11100 | 20050 |

Double Reduction Units Types H2, H2S, H2SF, VH2, VH2SA, VH2CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|---------------|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 5.60 | 66.9 | 110. | 224. | 316. | 597. | 1040. | 1845. | 3320. | 5940. | 10050 | 18050 |
| 6.20 | 65.2 | 108. | 220. | 271. | 497. | 888. | 1545. | 2840. | 5020. | 8640. | 16200 |
| 6.86 | 60.0 | 112. | 206. | 268. | 458. | 864. | 1450. | 2655. | 4670. | 8495. | 15000 |
| 7.59 | 53.0 | 86.0 | 177. | 228. | 419. | 738. | 1335. | 2265. | 4125. | 7290. | 12750 |
| 8.40 | 44.0 | 71.4 | 153. | 241. | 426. | 766. | 1350. | 2395. | 4290. | 7655. | 13900 |
| 9.30 | 41.3 | 59.9 | 131. | 205. | 392. | 654. | 1255. | 2050. | 3820. | 6600. | 11850 |
| 10.29 | 36.2 | 58.8 | 105. | 187. | 365. | 635. | 1170. | 1980. | 3595. | 6050. | 11050 |
| 11.39 | 31.5 | 54.5 | 99.2 | 160. | 295. | 516. | 954. | 1620. | 2755. | 5165. | 8860. |
| 12.61 | 31.0 | 46.8 | 78.5 | 134. | 238. | 447. | 766. | 1365. | 2550. | 4270. | 7910. |
| 13.95 | 23.4 | 43.8 | 75.0 | 124. | 223. | 437. | 722. | 1330. | 2420. | 3975. | 7475. |
| 15.44 | 22.0 | 38.5 | 72.2 | 98.4 | 191. | 352. | 600. | 1105. | 1800. | 3180. | 5725. |
| 17.09 | 19.2 | 37.7 | 65.0 | 91.7 | 181. | 345. | 570. | 1080. | 1720. | 2980. | 5440. |
| 18.91 | 18.0 | 33.8 | 59.0 | 81.3 | 148. | 274. | 492. | 885. | 1560. | 2675. | 5005. |
| 20.93 | 17.0 | 33.3 | 58.0 | 87.7 | 176. | 326. | 543. | 1020. | 1615. | 2815. | 5250. |
| 23.16 | 14.1 | 25.7 | 45.7 | 77.9 | 144. | 259. | 471. | 838. | 1470. | 2540. | 4850. |
| 25.63 | 13.9 | 24.9 | 43.8 | 75.9 | 139. | 256. | 466. | 831. | 1455. | 2505. | 4690. |

Triple Reduction Units Types H3, H3S, H3SF, VH3, VH3SA, VH3CT

| Nominal Ratio | UNITSIZE | | | | | | | | | | |
|---------------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 25.63 | 14.1 | 25.7 | 48.0 | 65.8 | 111. | 207. | 399. | 650. | 1280. | 2130. | 3855. |
| 28.36 | 12.4 | 22.5 | 46.3 | 69.8 | 117. | 203. | 388. | 701. | 1230. | 2270. | 3875. |
| 31.39 | 11.9 | 21.5 | 42.3 | 49.9 | 83.1 | 162. | 299. | 505. | 966. | 1645. | 2750. |
| 34.74 | 10.4 | 18.9 | 38.3 | 55.5 | 91.2 | 181. | 334. | 557. | 1110. | 1815. | 3330. |
| 38.44 | 9.05 | 15.7 | 33.7 | 45.3 | 74.9 | 149. | 272. | 467. | 872. | 1520. | 2495. |
| 42.54 | 7.78 | 13.3 | 29.1 | 43.3 | 70.1 | 144. | 255. | 444. | 852. | 1440. | 2410. |
| 47.08 | 8.31 | 14.8 | 24.9 | 42.3 | 68.8 | 143. | 251. | 441. | 841. | 1415. | 2370. |
| 52.11 | 7.17 | 12.6 | 20.6 | 35.0 | 62.3 | 121. | 201. | 377. | 692. | 1175. | 2160. |
| 57.67 | 7.06 | 12.3 | 19.6 | 30.4 | 54.4 | 91.6 | 175. | 314. | 551. | 1050. | 1635. |
| 63.82 | 6.84 | 12.4 | 19.5 | 29.3 | 51.7 | 89.0 | 166. | 301. | 541. | 1005. | 1590. |
| 70.63 | 6.82 | 10.6 | 16.8 | 30.0 | 53.9 | 90.0 | 172. | 309. | 542. | 1035. | 1620. |
| 78.16 | 6.60 | 9.96 | 18.8 | 27.6 | 49.7 | 83.8 | 159. | 290. | 510. | 960. | 1505. |
| 86.50 | 5.88 | 9.84 | 18.8 | 24.0 | 41.4 | 76.7 | 137. | 244. | 459. | 805. | 1435. |
| 95.73 | 5.36 | 9.73 | 16.1 | 27.5 | 49.5 | 82.9 | 158. | 287. | 504. | 952. | 1495. |
| 105.94 | 4.29 | 8.73 | 13.1 | 22.8 | 39.9 | 72.8 | 132. | 237. | 436. | 771. | 1365. |
| 117.24 | 5.32 | 8.55 | 12.6 | 22.4 | 38.8 | 70.8 | 130. | 230. | 431. | 761. | 1350. |
| 129.75 | 4.26 | 8.52 | 12.6 | 22.4 | 38.6 | 70.6 | 129. | 230. | 430. | 760. | 1345. |

MOMENTS OF INERTIA

9604

Double Reduction Units Types B2, B2S, B2SF, VB2, VB2SA, VB2CT

| Nominal Ratio | UNIT SIZE | | | | | | | | | | |
|---------------|-----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 5.06 | 145. | 293. | 572. | 736. | 1395. | 2465. | 4325. | 7640. | 13000 | 29000 | 48350 |
| 5.60 | 143. | 289. | 567. | 727. | 1325. | 2345. | 4290. | 7235. | 12800 | 28700 | 46200 |
| 6.20 | 137. | 274. | 550. | 688. | 1255. | 2295. | 4065. | 7065. | 12150 | 27250 | 44000 |
| 6.86 | 135. | 269. | 537. | 673. | 1225. | 2245. | 4050. | 6925. | 11950 | 27000 | 43350 |
| 7.59 | 128. | 265. | 529. | 532. | 959. | 1755. | 3210. | 5500. | 9575. | 21100 | 35200 |
| 8.40 | 65.2 | 131. | 259. | 430. | 752. | 1400. | 2575. | 4395. | 7895. | 16900 | 28050 |
| 9.30 | 64.4 | 128. | 252. | 330. | 618. | 1135. | 2090. | 3545. | 6115. | 13500 | 22500 |
| 10.29 | 60.5 | 126. | 248. | 314. | 605. | 1070. | 1980. | 3365. | 5735. | 12900 | 22000 |
| 11.39 | 59.3 | 72.3 | 135. | 254. | 451. | 812. | 1520. | 2555. | 4540. | 9750. | 16700 |
| 12.61 | 34.0 | 70.8 | 132. | 205. | 362. | 653. | 1220. | 2015. | 3605. | 7875. | 13300 |
| 13.95 | 31.9 | 69.6 | 129. | 198. | 345. | 642. | 1200. | 1995. | 3550. | 7760. | 12800 |
| 15.44 | 31.3 | 67.2 | 87.1 | 165. | 290. | 530. | 997. | 1675. | 2925. | 6315. | 10450 |
| 17.09 | 21.5 | 44.8 | 85.4 | 119. | 210. | 370. | 698. | 1170. | 2040. | 4325. | 7340. |
| 18.91 | 21.1 | 43.3 | 81.7 | 116. | 201. | 364. | 689. | 1160. | 2010. | 4260. | 7045. |

Triple Reduction Units Types B3, B3S, B3SF, VB3, VB3SA, VB3CT

| Nominal Ratio | UNIT SIZE | | | | | | | | | | |
|---------------|-----------|------|------|------|------|------|-------|-------|-------|-------|-------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| 13.95 | 35.8 | 55.8 | 97.8 | 222. | 420. | 769. | 1180. | 2145. | 3895. | 6730. | 12000 |
| 15.44 | 34.0 | 52.0 | 94.3 | 214. | 408. | 761. | 1140. | 2115. | 3795. | 6490. | 11700 |
| 17.09 | 33.2 | 51.7 | 93.8 | 199. | 377. | 709. | 1050. | 1955. | 3425. | 6105. | 10700 |
| 18.91 | 31.6 | 50.0 | 92.0 | 194. | 369. | 703. | 1025. | 1940. | 3365. | 5945. | 10500 |
| 20.93 | 31.5 | 47.0 | 86.1 | 147. | 267. | 534. | 760. | 1445. | 2595. | 4420. | 8005. |
| 23.16 | 28.6 | 45.9 | 83.7 | 144. | 261. | 530. | 744. | 1430. | 2550. | 4315. | 7850. |
| 25.63 | 28.0 | 44.8 | 80.7 | 114. | 212. | 420. | 592. | 1125. | 2010. | 3425. | 6270. |
| 28.36 | 28.0 | 43.0 | 78.7 | 132. | 247. | 492. | 697. | 1350. | 2320. | 3980. | 7180. |
| 31.39 | 12.9 | 23.2 | 78.0 | 104. | 200. | 388. | 552. | 1060. | 1820. | 3150. | 5715. |
| 34.74 | 12.6 | 22.6 | 37.0 | 104. | 199. | 387. | 552. | 1055. | 1810. | 3140. | 5690. |
| 38.44 | 12.6 | 22.4 | 35.9 | 83.2 | 159. | 309. | 447. | 832. | 1450. | 2520. | 4560. |
| 42.54 | 11.9 | 21.5 | 35.5 | 63.0 | 116. | 234. | 340. | 688. | 1175. | 2045. | 3690. |
| 47.08 | 6.49 | 21.4 | 33.5 | 51.0 | 96.3 | 189. | 275. | 511. | 884. | 1555. | 2780. |
| 52.11 | 6.47 | 12.1 | 18.9 | 40.1 | 77.1 | 150. | 222. | 410. | 711. | 1240. | 2200. |
| 57.67 | 6.14 | 12.1 | 18.9 | 33.8 | 64.9 | 123. | 184. | 343. | 586. | 1030. | 1845. |
| 63.82 | 4.43 | 11.6 | 18.8 | 30.3 | 57.8 | 111. | 164. | 299. | 513. | 938. | 1625. |
| 70.63 | 4.43 | 7.61 | 13.3 | 23.0 | 42.8 | 82.9 | 129. | 235. | 402. | 708. | 1275. |
| 78.16 | 4.21 | 7.57 | 13.3 | 20.8 | 38.0 | 74.6 | 115. | 205. | 353. | 647. | 1125. |
| 86.50 | 4.34 | 7.09 | 12.4 | 20.5 | 36.8 | 72.4 | 112. | 199. | 351. | 638. | 1120. |
| 95.73 | 4.14 | 7.04 | 12.4 | 20.4 | 36.5 | 72.2 | 112. | 198. | 350. | 636. | 1110. |

$$GD^2 (\text{Kg cm}^2) = 4 \times \text{Moment of Inertia} (\text{Kg cm}^2)$$

H1 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|--------------|------|------|-------|-------|-------|-------|-------|-------|------|------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 1.22 | 1428. | Mechanical | Input Power kW | 420 | 557- | 731- | 1070- | 1510- | 2160- | 2900- | 4080* | 4880* | | |
| | | | Output Torque Nm | 2770 | 3720 | 4860 | 7150 | 10100 | 14200 | 19200 | 27200 | 32600 | | |
| | | Thermal | Input Power kW | 49.7 | 66.7 | 85.1 | 212 | 332 | 396 | 590 | | | | |
| | | No Fan | Output Torque Nm | 324 | 441 | 560 | 1400 | 2200 | 2600 | 3880 | | | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 1.35 | 1291. | Mechanical | Input Power kW | 400 | 553 | 693- | 1020- | 1490- | 2060- | 2770- | 4000- | 4630* | | |
| | | | Output Torque Nm | 2930 | 4080 | 5110 | 7500 | 10900 | 15000 | 20400 | 29500 | 34000 | | |
| | | Thermal | Input Power kW | 47.0 | 63.1 | 80.6 | 201 | 314 | 375 | 558 | 732 | | | |
| | | No Fan | Output Torque Nm | 342 | 462 | 588 | 1480 | 2290 | 2710 | 4100 | 5390 | | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 1.50 | 1166. | Mechanical | Input Power kW | 369 | 519 | 652- | 955- | 1410- | 1890- | 2560- | 3760- | 4380* | | |
| | | | Output Torque Nm | 2990 | 4210 | 5340 | 7670 | 11300 | 15300 | 20800 | 30200 | 36000 | | |
| | | Thermal | Input Power kW | 44.3 | 59.5 | 76.0 | 190 | 296 | 353 | 526 | 690 | | | |
| | | No Fan | Output Torque Nm | 356 | 479 | 616 | 1510 | 2380 | 2860 | 4260 | 5530 | | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 1.66 | 1054. | Mechanical | Input Power kW | 349 | 481 | 622 | 893- | 1330- | 1770- | 2420- | 3520- | 4130- | | |
| | | | Output Torque Nm | 3100 | 4330 | 5590 | 8000 | 12000 | 16000 | 21600 | 31600 | 37400 | | |
| | | Thermal | Input Power kW | 41.6 | 55.8 | 71.3 | 178 | 278 | 332 | 494 | 648 | 1040 | | |
| | | No Fan | Output Torque Nm | 367 | 499 | 634 | 1580 | 2500 | 2980 | 4390 | 5790 | 9400 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 1.84 | 952. | Mechanical | Input Power kW | 328 | 454 | 563 | 832- | 1250- | 1710- | 2270- | 3280- | 3760- | | |
| | | | Output Torque Nm | 3270 | 4520 | 5580 | 8330 | 12400 | 16900 | 22700 | 32200 | 37400 | | |
| | | Thermal | Input Power kW | 38.8 | 52.1 | 66.5 | 166 | 260 | 310 | 461 | 605 | 975 | | |
| | | No Fan | Output Torque Nm | 383 | 514 | 653 | 1650 | 2570 | 3050 | 4590 | 5920 | 9660 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 2.03 | 860. | Mechanical | Input Power kW | 308 | 411 | 569 | 801 | 1170- | 1590- | 2130- | 3030- | 3640- | | |
| | | | Output Torque Nm | 3370 | 4510 | 6240 | 8820 | 12900 | 17600 | 23500 | 33500 | 40100 | | |
| | | Thermal | Input Power kW | 36.4 | 48.8 | 62.3 | 156 | 243 | 290 | 432 | 567 | 914 | | |
| | | No Fan | Output Torque Nm | 396 | 531 | 677 | 1710 | 2670 | 3190 | 4750 | 6240 | 10000 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 2.25 | 777. | Mechanical | Input Power kW | 287 | 407 | 544 | 740 | 1090 | 1480- | 1990- | 2790- | 3390- | | |
| | | | Output Torque Nm | 3480 | 4940 | 6640 | 8990 | 13300 | 17900 | 24300 | 34200 | 41500 | | |
| | | Thermal | Input Power kW | 34.2 | 46.0 | 58.6 | 146 | 229 | 273 | 407 | 534 | 860 | | |
| | | No Fan | Output Torque Nm | 412 | 553 | 710 | 1770 | 2790 | 3300 | 4940 | 6510 | 10500 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 2.49 | 702. | Mechanical | Input Power kW | 267 | 374 | 504 | 678 | 1010 | 1360- | 1850- | 2670- | 3140- | | |
| | | | Output Torque Nm | 3590 | 5020 | 6850 | 9150 | 13700 | 18200 | 25000 | 36200 | 42200 | | |
| | | Thermal | Input Power kW | 32.4 | 43.4 | 55.4 | 138 | 216 | 258 | 385 | 504 | 813 | | |
| | | No Fan | Output Torque Nm | 433 | 580 | 748 | 1860 | 2940 | 3450 | 5190 | 6800 | 10900 | | |
| | | | Efficiency % | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 2.76 | 635. | Mechanical | Input Power kW | 246 | 356 | 464 | 647 | 927 | 1280 | 1710- | 2460- | 2890- | | |
| | | | Output Torque Nm | 3650 | 5290 | 6850 | 9640 | 13700 | 19200 | 25400 | 37000 | 42900 | | |
| | | Thermal | Input Power kW | 30.8 | 41.3 | 52.7 | 132 | 206 | 245 | 366 | 479 | 773 | | |
| | | No Fan | Output Torque Nm | 453 | 609 | 772 | 1950 | 3040 | 3660 | 5430 | 7190 | 11400 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 3.05 | 573. | Mechanical | Input Power kW | 226 | 323 | 424 | 586 | 887 | 1180 | 1570 | 2310- | 2640- | | |
| | | | Output Torque Nm | 3760 | 5290 | 7050 | 9630 | 14600 | 19400 | 25800 | 38100 | 44200 | | |
| | | Thermal | Input Power kW | 29.4 | 39.5 | 50.4 | 126 | 197 | 235 | 350 | 459 | 740 | | |
| | | No Fan | Output Torque Nm | 487 | 644 | 834 | 2060 | 3230 | 3860 | 5750 | 7550 | 12400 | | |
| | | | Efficiency % | 99 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 3.38 | 518. | Mechanical | Input Power kW | 216 | 306 | 403 | 555 | 806 | 1060 | 1490 | 2090- | 2510- | | |
| | | | Output Torque Nm | 3860 | 5560 | 7370 | 10100 | 14800 | 19700 | 26900 | 38500 | 45500 | | |
| | | Thermal | Input Power kW | 28.4 | 38.1 | 48.6 | 122 | 190 | 227 | 338 | 443 | 714 | | |
| | | No Fan | Output Torque Nm | 507 | 690 | 884 | 2210 | 3480 | 4200 | 6070 | 8110 | 12900 | | |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 3.73 | 468. | Mechanical | Input Power kW | 187 | 272 | 368 | 493 | 726 | 1000 | 1330 | 1940 | 2260- | | |
| | | | Output Torque Nm | 3750 | 5460 | 7440 | 10100 | 14800 | 20000 | 26900 | 39300 | 46200 | | |
| | | Thermal | Input Power kW | 27.5 | 36.9 | 47.1 | 118 | 184 | 220 | 327 | 429 | 692 | | |
| | | No Fan | Output Torque Nm | 550 | 739 | 948 | 2400 | 3740 | 4380 | 6600 | 8670 | 14100 | | |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| 4.13 | 423. | Mechanical | Input Power kW | 169 | 244 | 343 | 469 | 580 | 935 | 1280 | 1810 | 2130- | | |
| | | | Output Torque Nm | 3730 | 5470 | 7580 | 10500 | 13100 | 20900 | 28000 | 40700 | 47500 | | |
| | | Thermal | Input Power kW | 26.8 | 36.0 | 45.9 | 115 | 180 | 214 | 319 | 419 | 675 | | |
| | | No Fan | Output Torque Nm | 590 | 804 | 1010 | 2560 | 4050 | 4790 | 6970 | 9370 | 15000 | | |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | | |

Unit not available at this input speed
(Refer to Radicon)

* Spray Lubrication Required
ITALICS- Case Baffle is fitted

H1 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|---|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 4.57 | 382. | Mechanical | Input Power kW | 139 | 211 | 321 | 366 | 645 | 782 | 1140 | 1500 | 1880 | Unit not available at this input speed (Refer to Radicon) |
| | | | Output Torque Nm | 3400 | 5170 | 7750 | 8950 | 15600 | 19500 | 28000 | 37300 | 47400 | |
| | | Thermal | Input Power kW | 26.5 | 35.5 | 45.3 | 113 | 177 | 211 | 315 | 413 | 666 | |
| | | No Fan | Output Torque Nm | 645 | 866 | 1090 | 2770 | 4270 | 5270 | 7720 | 10300 | 16700 | |
| 5.06 | 345. | Mechanical | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | Unit not available at this input speed (Refer to Radicon) |
| | | | Input Power kW | 108 | 163 | 209 | 345 | 461 | 694 | 910 | 1380 | 1750 | |
| | | | Output Torque Nm | 2940 | 4430 | 5730 | 9370 | 12500 | 18900 | 24800 | 37500 | 47700 | |
| | | Thermal | Input Power kW | 26.2 | 35.2 | 44.9 | 112 | 176 | 210 | 312 | 409 | 660 | |
| | | No Fan | Output Torque Nm | 710 | 953 | 1230 | 3050 | 4770 | 5690 | 8490 | 11100 | 18000 | |
| | | | Efficiency % | 99 | 98 | 98 | 98 | 98 | 99 | 99 | 98 | 99 | |

H1 THERMAL RATINGS AT 1750 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|------|-------|-------|-------|-------|---|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 1.22 | 1428. | Thermal | Input Power kW | 194 | 264- | 311- | 483- | 759- | 915- | 1330- | * | * | Unit not available at this input speed (Refer to Radicon) |
| | | | Output Torque Nm | 1280 | 1760 | 2070 | 3210 | 5060 | 6020 | 8790 | | | |
| | | Thermal | Input Power kW | 186 | 232 | 239 | 375 | 489 | 1700 | 1840 | | | |
| | | with coil | Output Torque Nm | 1220 | 1550 | 1580 | 2490 | 3250 | 11200 | 12200 | | | |
| 1.35 | 1291. | Thermal | Input Power kW | 388 | 485 | 557 | 751 | 1080 | 2410 | 2830 | | | |
| | | Fan & Coil | Output Torque Nm | 2560 | 3240 | 3700 | 4990 | 7220 | 15900 | 18700 | | | |
| | | Thermal | Input Power kW | 184 | 250 | 295- | 458- | 719- | 866- | 1260- | 1510- | * | |
| | | with fan | Output Torque Nm | 1350 | 1840 | 2170 | 3370 | 5260 | 6300 | 9280 | 11100 | | |
| 1.50 | 1166. | Thermal | Input Power kW | 177 | 221 | 227 | 356 | 466 | 1630 | 1800 | 3130 | | |
| | | with coil | Output Torque Nm | 1300 | 1630 | 1670 | 2620 | 3400 | 11900 | 13200 | 23200 | | |
| | | Thermal | Input Power kW | 368 | 461 | 529 | 713 | 1030 | 2310 | 2740 | 4160 | | |
| | | Fan & Coil | Output Torque Nm | 2710 | 3400 | 3900 | 5260 | 7520 | 16800 | 20200 | 30800 | | |
| 1.66 | 1054. | Thermal | Input Power kW | 173 | 236 | 278- | 432- | 678- | 817- | 1190- | 1420- | * | Unit not available at this input speed (Refer to Radicon) |
| | | with fan | Output Torque Nm | 1400 | 1910 | 2270 | 3460 | 5450 | 6630 | 9660 | 11400 | | |
| | | Thermal | Input Power kW | 168 | 210 | 216 | 338 | 442 | 1560 | 1740 | 3080 | | |
| | | with coil | Output Torque Nm | 1360 | 1700 | 1760 | 2700 | 3550 | 12700 | 14200 | 24700 | | |
| 1.84 | 952. | Thermal | Input Power kW | 349 | 437 | 501 | 674 | 971 | 2200 | 2640 | 4060 | | |
| | | Fan & Coil | Output Torque Nm | 2830 | 3550 | 4100 | 5410 | 7820 | 17900 | 21500 | 32700 | | |
| | | Thermal | Input Power kW | 162 | 221 | 261 | 404- | 635- | 765- | 1110- | 1330- | 2080- | |
| | | with fan | Output Torque Nm | 1440 | 1990 | 2340 | 3620 | 5730 | 6900 | 9940 | 11900 | 18800 | |
| 2.03 | 860. | Thermal | Input Power kW | 159 | 199 | 204 | 319 | 417 | 1480 | 1690 | 3010 | 3490 | Unit not available at this input speed (Refer to Radicon) |
| | | with coil | Output Torque Nm | 1410 | 1790 | 1830 | 2850 | 3750 | 13400 | 15100 | 27000 | 31500 | |
| | | Thermal | Input Power kW | 330 | 412 | 473 | 635 | 914 | 2090 | 2540 | 3940 | 4770 | |
| | | Fan & Coil | Output Torque Nm | 2930 | 3720 | 4250 | 5690 | 8250 | 18800 | 22700 | 35400 | 43100 | |
| 1.84 | 952. | Thermal | Input Power kW | 151 | 206 | 243 | 377- | 591- | 713- | 1040- | 1240- | 1940- | Unit not available at this input speed (Refer to Radicon) |
| | | with fan | Output Torque Nm | 1500 | 2040 | 2400 | 3770 | 5880 | 7050 | 10400 | 12200 | 19200 | |
| | | Thermal | Input Power kW | 151 | 188 | 193 | 300 | 391 | 1400 | 1620 | 2940 | 3290 | |
| | | with coil | Output Torque Nm | 1500 | 1870 | 1910 | 3000 | 3880 | 13800 | 16200 | 28900 | 32700 | |
| 1.84 | 952. | Thermal | Input Power kW | 310 | 387 | 444 | 596 | 857 | 1960 | 2430 | 3820 | 4570 | Unit not available at this input speed (Refer to Radicon) |
| | | Fan & Coil | Output Torque Nm | 3090 | 3850 | 4400 | 5970 | 8530 | 19400 | 24300 | 37600 | 45400 | |
| | | Thermal | Input Power kW | 143 | 194 | 229 | 355 | 558- | 672- | 978- | 1170- | 1830- | |
| | | with fan | Output Torque Nm | 1560 | 2120 | 2510 | 3910 | 6140 | 7410 | 10800 | 12900 | 20100 | |
| 2.03 | 860. | Thermal | Input Power kW | 142 | 178 | 182 | 282 | 367 | 1310 | 1550 | 2850 | 3110 | Unit not available at this input speed (Refer to Radicon) |
| | | with coil | Output Torque Nm | 1560 | 1950 | 1990 | 3110 | 4030 | 14500 | 17100 | 31500 | 34300 | |
| | | Thermal | Input Power kW | 293 | 366 | 420 | 563 | 809 | 1850 | 2320 | 3690 | 4380 | |
| | | Fan & Coil | Output Torque Nm | 3220 | 4020 | 4610 | 6200 | 8910 | 20400 | 25500 | 40800 | 48400 | |

* Spray Lubrication Required

ITALICS- Case Baffle is fitted

Note: Cooling coils cannot be fitted to vertical units

H1 THERMAL RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|------|------|------|-------|-------|-------|-------|-------|------|------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 2.25 | 777. | Thermal with fan | Input Power kW | 137 | 186 | 220 | 341 | 535 | 645- | 939- | 1120- | 1750- | | |
| | | | Output Torque Nm | 1660 | 2250 | 2680 | 4140 | 6540 | 7810 | 11400 | 13800 | 21400 | | |
| | | Thermal with coil | Input Power kW | 135 | 168 | 172 | 267 | 344 | 1230 | 1470 | 2730 | 2940 | | |
| | | | Output Torque Nm | 1630 | 2030 | 2100 | 3230 | 4200 | 14900 | 17900 | 33500 | 36000 | | |
| | | Thermal Fan & Coil | Input Power kW | 280 | 349 | 401 | 538 | 773 | 1740 | 2200 | 3550 | 4220 | | |
| 2.49 | 702. | Thermal with fan | Input Power kW | 133 | 180 | 212 | 330 | 518 | 624- | 908- | 1090- | 1700- | | |
| | | | Output Torque Nm | 1780 | 2420 | 2880 | 4440 | 7050 | 8360 | 12300 | 14700 | 22800 | | |
| | | Thermal with coil | Input Power kW | 127 | 159 | 163 | 252 | 323 | 1140 | 1380 | 2600 | 2800 | | |
| | | | Output Torque Nm | 1710 | 2130 | 2210 | 3390 | 4400 | 15300 | 18600 | 35200 | 37600 | | |
| | | Thermal Fan & Coil | Input Power kW | 267 | 334 | 384 | 516 | 743 | 1640 | 2090 | 3400 | 4070 | | |
| 2.76 | 635. | Thermal with fan | Input Power kW | 128 | 175 | 206 | 320 | 502 | 605 | 881- | 1050- | 1640- | | |
| | | | Output Torque Nm | 1900 | 2590 | 3040 | 4760 | 7420 | 9060 | 13100 | 15900 | 24400 | | |
| | | Thermal with coil | Input Power kW | 121 | 150 | 154 | 239 | 306 | 1080 | 1280 | 2460 | 2680 | | |
| | | | Output Torque Nm | 1780 | 2230 | 2270 | 3550 | 4520 | 16100 | 19100 | 37000 | 39800 | | |
| | | Thermal Fan & Coil | Input Power kW | 256 | 321 | 368 | 496 | 715 | 1560 | 1980 | 3240 | 3950 | | |
| 3.05 | 573. | Thermal with fan | Input Power kW | 125 | 170 | 201 | 311 | 489 | 589 | 857 | 1030- | 1600- | | |
| | | | Output Torque Nm | 2080 | 2780 | 3340 | 5110 | 8030 | 9690 | 14100 | 16900 | 26800 | | |
| | | Thermal with coil | Input Power kW | 114 | 143 | 146 | 228 | 291 | 1020 | 1200 | 2320 | 2590 | | |
| | | | Output Torque Nm | 1900 | 2340 | 2430 | 3730 | 4780 | 16800 | 19800 | 38300 | 43400 | | |
| | | Thermal Fan & Coil | Input Power kW | 246 | 308 | 354 | 478 | 690 | 1490 | 1880 | 3080 | 3850 | | |
| 3.38 | 518. | Thermal with fan | Input Power kW | 122 | 166 | 196 | 304 | 478 | 576 | 838 | 1000- | 1560- | | |
| | | | Output Torque Nm | 2190 | 3020 | 3580 | 5540 | 8750 | 10700 | 15100 | 18400 | 28300 | | |
| | | Thermal with coil | Input Power kW | 109 | 136 | 139 | 218 | 279 | 966 | 1140 | 2210 | 2510 | | |
| | | | Output Torque Nm | 1950 | 2470 | 2540 | 3960 | 5110 | 17900 | 20600 | 40600 | 45500 | | |
| | | Thermal Fan & Coil | Input Power kW | 236 | 297 | 341 | 462 | 668 | 1420 | 1800 | 2950 | 3750 | | |
| 3.73 | 468. | Thermal with fan | Input Power kW | 120 | 163 | 192 | 299 | 469 | 565 | 822 | 985 | 1540- | | |
| | | | Output Torque Nm | 2410 | 3280 | 3890 | 6100 | 9530 | 11300 | 16600 | 19900 | 31300 | | |
| | | Thermal with coil | Input Power kW | 103 | 129 | 133 | 209 | 269 | 920 | 1090 | 2110 | 2440 | | |
| | | | Output Torque Nm | 2080 | 2600 | 2690 | 4260 | 5460 | 18400 | 22100 | 42800 | 49900 | | |
| | | Thermal Fan & Coil | Input Power kW | 228 | 287 | 329 | 448 | 649 | 1370 | 1740 | 2850 | 3670 | | |
| 4.13 | 423. | Thermal with fan | Input Power kW | 118 | 161 | 190 | 294 | 462 | 557 | 810 | 970 | 1510- | | |
| | | | Output Torque Nm | 2610 | 3600 | 4190 | 6570 | 10400 | 12500 | 17700 | 21700 | 33600 | | |
| | | Thermal with coil | Input Power kW | 99.0 | 124 | 128 | 201 | 260 | 882 | 1050 | 2030 | 2390 | | |
| | | | Output Torque Nm | 2180 | 2770 | 2820 | 4490 | 5870 | 19800 | 23000 | 45600 | 53200 | | |
| | | Thermal Fan & Coil | Input Power kW | 221 | 278 | 320 | 436 | 633 | 1320 | 1690 | 2750 | 3600 | | |
| 4.57 | 382. | Thermal with fan | Input Power kW | 117 | 158 | 187 | 290 | 456 | 549 | 799 | 957 | 1490 | | |
| | | | Output Torque Nm | 2850 | 3880 | 4510 | 7100 | 11000 | 13700 | 19600 | 23800 | 37500 | | |
| | | Thermal with coil | Input Power kW | 95.5 | 119 | 123 | 196 | 255 | 854 | 1020 | 1960 | 2340 | | |
| | | | Output Torque Nm | 2340 | 2920 | 2980 | 4790 | 6150 | 21300 | 25100 | 48800 | 59000 | | |
| | | Thermal Fan & Coil | Input Power kW | 215 | 271 | 312 | 426 | 620 | 1290 | 1640 | 2670 | 3540 | | |
| 5.06 | 345. | Thermal with fan | Input Power kW | 115 | 157 | 185 | 287 | 450 | 543 | 790 | 945 | 1470 | | |
| | | | Output Torque Nm | 3130 | 4250 | 5070 | 7780 | 12200 | 14700 | 21500 | 25800 | 40200 | | |
| | | Thermal with coil | Input Power kW | 92.4 | 116 | 120 | 192 | 251 | 829 | 994 | 1900 | 2300 | | |
| | | | Output Torque Nm | 2510 | 3140 | 3280 | 5200 | 6800 | 22500 | 27100 | 51700 | 62900 | | |
| | | Thermal Fan & Coil | Input Power kW | 209 | 264 | 304 | 417 | 607 | 1250 | 1600 | 2590 | 3490 | | |

Unit not available at this input speed
(Refer to Radicon)

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H1 RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 1.22 | 1183. | Mechanical | Input Power kW | 368 | 468 | 618 | 890- | 1250- | 1890- | 2500- | 3380- | 4080- | 6080* | 8300* |
| | | | Output Torque Nm | 2930 | 3780 | 4960 | 7150 | 10100 | 15100 | 20000 | 27200 | 32900 | 48900 | 66900 |
| | | Thermal | Input Power kW | 51.6 | 69.3 | 88.4 | 221 | 345 | 412 | 614 | 805 | 1300 | | |
| | | No Fan | Output Torque Nm | 408 | 555 | 704 | 1770 | 2770 | 3270 | 4880 | 6450 | 10400 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 1.35 | 1069. | Mechanical | Input Power kW | 350 | 464 | 584 | 890- | 1240- | 1810- | 2430- | 3360- | 4050- | 5750* | 8250* |
| | | | Output Torque Nm | 3100 | 4130 | 5200 | 7930 | 11000 | 15900 | 21600 | 30000 | 35900 | 51300 | 73000 |
| | | Thermal | Input Power kW | 48.9 | 65.6 | 83.7 | 209 | 327 | 390 | 581 | 762 | 1230 | | |
| | | No Fan | Output Torque Nm | 430 | 581 | 739 | 1860 | 2880 | 3420 | 5150 | 6780 | 10800 | | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 1.50 | 966. | Mechanical | Input Power kW | 324 | 435 | 549 | 837 | 1230- | 1650- | 2240- | 3290- | 3840- | 5400- | 8190* |
| | | | Output Torque Nm | 3160 | 4260 | 5420 | 8110 | 12000 | 16200 | 22000 | 32000 | 38100 | 52400 | 79700 |
| | | Thermal | Input Power kW | 46.1 | 61.9 | 78.9 | 197 | 308 | 368 | 548 | 719 | 1160 | 1500 | |
| | | No Fan | Output Torque Nm | 448 | 602 | 774 | 1900 | 2990 | 3600 | 5370 | 6960 | 11500 | 14500 | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 1.66 | 873. | Mechanical | Input Power kW | 306 | 403 | 523 | 783 | 1160- | 1550- | 2120- | 3080- | 3620- | 5060- | 7770* |
| | | | Output Torque Nm | 3280 | 4380 | 5670 | 8460 | 12700 | 16900 | 22800 | 33400 | 39500 | 54800 | 84800 |
| | | Thermal | Input Power kW | 43.2 | 58.0 | 74.0 | 185 | 289 | 345 | 514 | 674 | 1090 | 1410 | |
| | | No Fan | Output Torque Nm | 461 | 628 | 798 | 1990 | 3140 | 3750 | 5530 | 7280 | 11800 | 15200 | |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 1.84 | 789. | Mechanical | Input Power kW | 288 | 380 | 472 | 729 | 1090 | 1500- | 1990- | 2870- | 3300- | 4720- | 7310- |
| | | | Output Torque Nm | 3450 | 4560 | 5640 | 8810 | 13200 | 17900 | 24100 | 34100 | 39600 | 57300 | 88000 |
| | | Thermal | Input Power kW | 40.4 | 54.2 | 69.1 | 173 | 270 | 322 | 480 | 630 | 1010 | 1310 | 1910 |
| | | No Fan | Output Torque Nm | 482 | 646 | 821 | 2080 | 3240 | 3840 | 5780 | 7450 | 12200 | 15900 | 23000 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 2.03 | 713. | Mechanical | Input Power kW | 270 | 343 | 476 | 702 | 1020 | 1400 | 1870- | 2660- | 3190- | 4570- | 6850- |
| | | | Output Torque Nm | 3570 | 4540 | 6300 | 9330 | 13600 | 18600 | 24900 | 35500 | 42400 | 61000 | 91300 |
| | | Thermal | Input Power kW | 37.8 | 50.8 | 64.8 | 162 | 253 | 302 | 450 | 590 | 951 | 1230 | 1790 |
| | | No Fan | Output Torque Nm | 498 | 668 | 852 | 2150 | 3360 | 4010 | 5970 | 7850 | 12600 | 16400 | 23800 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 2.25 | 644. | Mechanical | Input Power kW | 252 | 357 | 477 | 648 | 954 | 1290 | 1750- | 2450- | 2970- | 4220- | 6390- |
| | | | Output Torque Nm | 3690 | 5220 | 7020 | 9500 | 14100 | 18900 | 25700 | 36200 | 43900 | 62200 | 94500 |
| | | Thermal | Input Power kW | 35.6 | 47.8 | 61.0 | 152 | 238 | 284 | 424 | 556 | 896 | 1160 | 1690 |
| | | No Fan | Output Torque Nm | 519 | 695 | 892 | 2230 | 3510 | 4150 | 6220 | 8190 | 13200 | 17000 | 24900 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 2.49 | 582. | Mechanical | Input Power kW | 234 | 327 | 442 | 595 | 883 | 1190 | 1620 | 2340- | 2750- | 3870- | 5930- |
| | | | Output Torque Nm | 3800 | 5310 | 7240 | 9670 | 14500 | 19300 | 26500 | 38200 | 44600 | 63300 | 97800 |
| | | Thermal | Input Power kW | 33.7 | 45.2 | 57.6 | 144 | 225 | 269 | 400 | 525 | 847 | 1100 | 1600 |
| | | No Fan | Output Torque Nm | 545 | 730 | 940 | 2340 | 3700 | 4340 | 6530 | 8560 | 13700 | 17900 | 26300 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 2.76 | 526. | Mechanical | Input Power kW | 212 | 312 | 407 | 567 | 813 | 1120 | 1500 | 2160 | 2530- | 3710- | 5450- |
| | | | Output Torque Nm | 3780 | 5600 | 7240 | 10200 | 14500 | 20300 | 26900 | 39100 | 45300 | 67100 | 97700 |
| | | Thermal | Input Power kW | 32.0 | 43.0 | 54.8 | 137 | 214 | 256 | 381 | 499 | 805 | 1040 | 1520 |
| | | No Fan | Output Torque Nm | 569 | 767 | 970 | 2460 | 3820 | 4610 | 6820 | 9050 | 14400 | 18800 | 27200 |
| | | | Efficiency % | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 3.05 | 475. | Mechanical | Input Power kW | 190 | 283 | 371 | 514 | 777 | 1030 | 1370 | 2020 | 2310- | 3350- | 5240- |
| | | | Output Torque Nm | 3810 | 5600 | 7460 | 10200 | 15400 | 20600 | 27200 | 40300 | 46700 | 66900 | 104000 |
| | | Thermal | Input Power kW | 30.6 | 41.1 | 52.4 | 131 | 205 | 245 | 364 | 478 | 770 | 998 | 1450 |
| | | No Fan | Output Torque Nm | 612 | 810 | 1050 | 2590 | 4060 | 4850 | 7230 | 9500 | 15600 | 19900 | 28900 |
| | | | Efficiency % | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 3.38 | 429. | Mechanical | Input Power kW | 181 | 268 | 354 | 486 | 707 | 932 | 1310 | 1760 | 2200 | 3190- | 4760- |
| | | | Output Torque Nm | 3920 | 5880 | 7800 | 10700 | 15600 | 20900 | 28500 | 39000 | 48200 | 70700 | 106000 |
| | | Thermal | Input Power kW | 29.6 | 39.7 | 50.6 | 127 | 198 | 236 | 352 | 462 | 744 | 964 | 1400 |
| | | No Fan | Output Torque Nm | 638 | 869 | 1110 | 2780 | 4370 | 5280 | 7640 | 10200 | 16300 | 21300 | 31200 |
| | | | Efficiency % | 99 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 3.73 | 388. | Mechanical | Input Power kW | 154 | 238 | 306 | 419 | 636 | 880 | 1160 | 1700 | 1980 | 2830 | 4290- |
| | | | Output Torque Nm | 3730 | 5780 | 7460 | 10300 | 15600 | 21200 | 28400 | 41600 | 48800 | 70300 | 106000 |
| | | Thermal | Input Power kW | 28.7 | 38.5 | 49.0 | 123 | 192 | 229 | 341 | 447 | 721 | 934 | 1360 |
| | | No Fan | Output Torque Nm | 692 | 930 | 1190 | 3020 | 4700 | 5500 | 8300 | 10900 | 17700 | 23200 | 33500 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | |
| 4.13 | 350. | Mechanical | Input Power kW | 139 | 203 | 301 | 401 | 483 | 786 | 1120 | 1510 | 1870 | 2700 | 4060- |
| | | | Output Torque Nm | 3710 | 5480 | 8020 | 10800 | 13100 | 21200 | 29600 | 40800 | 50200 | 73300 | 109000 |
| | | Thermal | Input Power kW | 28.0 | 37.5 | 47.8 | 120 | 187 | 223 | 333 | 436 | 704 | 912 | 1330 |
| | | No Fan | Output Torque Nm | 743 | 1010 | 1270 | 3230 | 5090 | 6020 | 8770 | 11800 | 18900 | 24700 | 35700 |
| | | | Efficiency % | 99 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | |

* Spray Lubrication Required
ITALICS- Case Baffle is fitted

H1 RATINGS AT 1450REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 4.57 | 316. | Mechanical | Input Power kW | 115 | 174 | 264 | 304 | 540 | 649 | 978 | 1250 | 1650 | 2410 | 3820 |
| | | | Output Torque Nm | 3400 | 5140 | 7690 | 8980 | 15700 | 19600 | 29000 | 37400 | 50100 | 73200 | 112000 |
| | | Thermal | Input Power kW | 27.6 | 37.0 | 47.2 | 118 | 185 | 220 | 328 | 430 | 694 | 899 | 1310 |
| | | No Fan | Output Torque Nm | 812 | 1090 | 1370 | 3480 | 5380 | 6630 | 9710 | 12900 | 21000 | 27200 | 38400 |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 98 | 99 | 99 | 99 | 99 | 99 | |
| 5.06 | 286. | Mechanical | Input Power kW | 88.5 | 134 | 174 | 284 | 383 | 571 | 757 | 1140 | 1450 | 2280 | 3060 |
| | | | Output Torque Nm | 2900 | 4380 | 5750 | 9320 | 12500 | 18700 | 24800 | 37600 | 47800 | 75100 | 101000 |
| | | Thermal | Input Power kW | 27.3 | 36.7 | 46.7 | 117 | 183 | 218 | 325 | 427 | 688 | 891 | 1300 |
| | | No Fan | Output Torque Nm | 894 | 1200 | 1550 | 3830 | 6000 | 7150 | 10700 | 14000 | 22600 | 29400 | 42800 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | 99 | |

H1 THERMAL RATINGS AT 1450REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 1.22 | 1183. | Thermal | Input Power kW | 177 | 241 | 284 | 441 | 692 | 834 | 1210 | 1450 | 2270 | * | * |
| | | | Output Torque Nm | 1410 | 1940 | 2270 | 3530 | 5570 | 6630 | 9680 | 11700 | 18200 | | |
| | | Thermal | Input Power kW | 188 | 235 | 242 | 384 | 502 | 1710 | 1870 | 3210 | 4080 | | |
| | | | Output Torque Nm | 1490 | 1890 | 1940 | 3080 | 4040 | 13600 | 14900 | 25800 | 32900 | | |
| | | Thermal | Input Power kW | 371 | 462 | 530 | 708 | 1020 | 2330 | 2710 | 4120 | 5090 | | |
| 1.35 | 1069. | Fan & Coil | Output Torque Nm | 2950 | 3720 | 4250 | 5680 | 8170 | 18500 | 21700 | 33100 | 41000 | | |
| | | Thermal | Input Power kW | 168 | 228 | 269 | 417 | 655 | 790 | 1150 | 1380 | 2150 | * | * |
| | | | Output Torque Nm | 1480 | 2030 | 2390 | 3710 | 5790 | 6930 | 10200 | 12300 | 19000 | | |
| | | Thermal | Input Power kW | 179 | 223 | 231 | 364 | 479 | 1650 | 1820 | 3160 | 3910 | | |
| | | | Output Torque Nm | 1580 | 1990 | 2050 | 3240 | 4220 | 14500 | 16200 | 28200 | 34600 | | |
| 1.50 | 966. | Thermal | Input Power kW | 352 | 439 | 503 | 672 | 964 | 2230 | 2630 | 4030 | 4930 | | |
| | | Fan & Coil | Output Torque Nm | 3120 | 3910 | 4470 | 5990 | 8510 | 19600 | 23400 | 36000 | 43600 | | |
| | | Thermal | Input Power kW | 158 | 215 | 254 | 394 | 618 | 745 | 1080 | 1300 | 2020 | 2570 | * |
| | | | Output Torque Nm | 1540 | 2100 | 2500 | 3810 | 6000 | 7300 | 10600 | 12600 | 20000 | 24900 | |
| | | Thermal | Input Power kW | 170 | 212 | 219 | 345 | 454 | 1570 | 1770 | 3100 | 3730 | 4440 | |
| 1.66 | 873. | Thermal | Output Torque Nm | 1660 | 2080 | 2160 | 3340 | 4400 | 15400 | 17300 | 30100 | 37000 | 43100 | |
| | | | Input Power kW | 334 | 416 | 477 | 636 | 912 | 2130 | 2540 | 3930 | 4770 | 5980 | |
| | | Thermal | Output Torque Nm | 3260 | 4070 | 4710 | 6160 | 8850 | 20900 | 24900 | 38200 | 47300 | 58100 | |
| | | Thermal | Input Power kW | 148 | 201 | 238 | 369 | 579 | 698 | 1020 | 1220 | 1900 | 2410 | * |
| | | | Output Torque Nm | 1590 | 2190 | 2570 | 3980 | 6300 | 7600 | 10900 | 13200 | 20700 | 26100 | |
| 1.84 | 789. | Thermal | Input Power kW | 161 | 201 | 207 | 326 | 428 | 1490 | 1710 | 3040 | 3530 | 4290 | |
| | | | Output Torque Nm | 1720 | 2180 | 2240 | 3520 | 4660 | 16300 | 18400 | 32900 | 38500 | 46500 | |
| | | Thermal | Input Power kW | 315 | 393 | 450 | 600 | 858 | 2020 | 2440 | 3830 | 4590 | 5750 | |
| | | | Output Torque Nm | 3380 | 4270 | 4880 | 6480 | 9350 | 22000 | 26300 | 41500 | 50100 | 62300 | |
| | | Thermal | Input Power kW | 138 | 187 | 221 | 343 | 539 | 650 | 946 | 1130 | 1770 | 2240 | 2960 |
| 2.03 | 713. | Thermal | Output Torque Nm | 1650 | 2250 | 2640 | 4140 | 6470 | 7760 | 11400 | 13400 | 21200 | 27100 | 35600 |
| | | | Input Power kW | 152 | 190 | 196 | 307 | 401 | 1410 | 1640 | 2960 | 3330 | 4130 | 4950 |
| | | Thermal | Output Torque Nm | 1820 | 2280 | 2330 | 3700 | 4820 | 16800 | 19800 | 35200 | 39900 | 50100 | 59600 |
| | | | Input Power kW | 297 | 369 | 423 | 563 | 805 | 1900 | 2340 | 3710 | 4400 | 5510 | 6510 |
| | | Thermal | Output Torque Nm | 3560 | 4430 | 5050 | 6800 | 9670 | 22700 | 28200 | 44100 | 52800 | 66800 | 78300 |
| 2.03 | 713. | Thermal | Input Power kW | 130 | 177 | 209 | 324 | 509 | 613 | 892 | 1070 | 1670 | 2120 | 2790 |
| | | | Output Torque Nm | 1720 | 2340 | 2760 | 4300 | 6750 | 8150 | 11900 | 14200 | 22200 | 28200 | 37100 |
| | | Thermal | Input Power kW | 144 | 180 | 185 | 289 | 377 | 1320 | 1570 | 2870 | 3140 | 3990 | 4750 |
| | | | Output Torque Nm | 1900 | 2370 | 2440 | 3830 | 5000 | 17600 | 20900 | 38300 | 41900 | 53200 | 63200 |
| | | Thermal | Input Power kW | 281 | 349 | 400 | 532 | 760 | 1790 | 2230 | 3590 | 4220 | 5310 | 6240 |
| 2.03 | 713. | Fan & Coil | Output Torque Nm | 3710 | 4620 | 5290 | 7070 | 10100 | 23800 | 29700 | 47900 | 56200 | 70900 | 83100 |

* Spray Lubrication Required

ITALICS- Case Baffle is fitted

Note: Cooling coils cannot be fitted to vertical units

H1 THERMAL RATINGS AT 1450 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | Capacity | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|------|------|------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 2.25 | 644. | Thermal with fan | Input Power kW | 125 | 170 | 200 | 311 | 488 | 588 | 856- | 1030- | 1600- | 2030- | 2680- |
| | | | Output Torque Nm | 1830 | 2480 | 2940 | 4550 | 7190 | 8600 | 12600 | 15100 | 23600 | 29900 | 39500 |
| | | Thermal with coil | Input Power kW | 136 | 170 | 174 | 273 | 353 | 1240 | 1480 | 2750 | 2980 | 3850 | 4540 |
| | | | Output Torque Nm | 1990 | 2480 | 2560 | 3990 | 5210 | 18100 | 21800 | 40700 | 44000 | 56600 | 67100 |
| | | Thermal | Input Power kW | 267 | 333 | 381 | 508 | 726 | 1680 | 2120 | 3450 | 4060 | 5150 | 6000 |
| | | Fan & Coil | Output Torque Nm | 3910 | 4870 | 5610 | 7440 | 10700 | 24600 | 31200 | 51000 | 60100 | 75800 | 88800 |
| 2.49 | 582. | Thermal with fan | Input Power kW | 121 | 164 | 194 | 301 | 472 | 569 | 828 | 992- | 1550- | 1960- | 2590- |
| | | | Output Torque Nm | 1960 | 2660 | 3170 | 4890 | 7760 | 9200 | 13500 | 16200 | 25100 | 32100 | 42700 |
| | | Thermal with coil | Input Power kW | 129 | 160 | 165 | 258 | 332 | 1160 | 1390 | 2620 | 2830 | 3720 | 4340 |
| | | | Output Torque Nm | 2090 | 2600 | 2700 | 4190 | 5460 | 18700 | 22700 | 42800 | 46000 | 60800 | 71500 |
| | | Thermal | Input Power kW | 256 | 319 | 365 | 487 | 698 | 1590 | 2010 | 3310 | 3920 | 5010 | 5790 |
| | | Fan & Coil | Output Torque Nm | 4160 | 5170 | 5980 | 7920 | 11500 | 25700 | 32900 | 54000 | 63600 | 81900 | 95500 |
| 2.76 | 526. | Thermal with fan | Input Power kW | 117 | 159 | 188 | 292 | 458 | 552 | 803 | 962 | 1500- | 1900- | 2510- |
| | | | Output Torque Nm | 2090 | 2850 | 3340 | 5230 | 8170 | 9970 | 14400 | 17500 | 26800 | 34400 | 45000 |
| | | Thermal with coil | Input Power kW | 122 | 152 | 156 | 244 | 315 | 1090 | 1300 | 2480 | 2710 | 3620 | 4190 |
| | | | Output Torque Nm | 2180 | 2720 | 2780 | 4390 | 5610 | 19600 | 23300 | 45000 | 48600 | 65300 | 75000 |
| | | Thermal | Input Power kW | 245 | 305 | 350 | 468 | 671 | 1510 | 1900 | 3150 | 3810 | 4890 | 5630 |
| | | Fan & Coil | Output Torque Nm | 4370 | 5470 | 6230 | 8400 | 12000 | 27300 | 34100 | 57200 | 68200 | 88400 | 101000 |
| 3.05 | 475. | Thermal with fan | Input Power kW | 114 | 155 | 183 | 284 | 446 | 537 | 782 | 936 | 1460- | 1850- | 2440- |
| | | | Output Torque Nm | 2290 | 3070 | 3670 | 5620 | 8830 | 10700 | 15500 | 18600 | 29500 | 37000 | 48700 |
| | | Thermal with coil | Input Power kW | 116 | 144 | 148 | 233 | 300 | 1030 | 1220 | 2340 | 2620 | 3530 | 4060 |
| | | | Output Torque Nm | 2320 | 2850 | 2980 | 4610 | 5940 | 20400 | 24200 | 46600 | 52900 | 70400 | 80900 |
| | | Thermal | Input Power kW | 235 | 293 | 336 | 451 | 647 | 1440 | 1800 | 2990 | 3710 | 4790 | 5490 |
| | | Fan & Coil | Output Torque Nm | 4710 | 5800 | 6750 | 8930 | 12800 | 28500 | 35800 | 59700 | 75100 | 95600 | 109000 |
| 3.38 | 429. | Thermal with fan | Input Power kW | 111 | 151 | 179 | 277 | 436 | 525 | 764 | 915 | 1430 | 1810- | 2390- |
| | | | Output Torque Nm | 2410 | 3320 | 3940 | 6090 | 9620 | 11800 | 16600 | 20200 | 31200 | 40100 | 53100 |
| | | Thermal with coil | Input Power kW | 110 | 137 | 141 | 223 | 287 | 975 | 1160 | 2230 | 2540 | 3460 | 3930 |
| | | | Output Torque Nm | 2380 | 3010 | 3120 | 4890 | 6350 | 21800 | 25200 | 49300 | 55500 | 76600 | 87500 |
| | | Thermal | Input Power kW | 225 | 282 | 324 | 435 | 626 | 1370 | 1730 | 2870 | 3620 | 4710 | 5350 |
| | | Fan & Coil | Output Torque Nm | 4880 | 6190 | 7140 | 9550 | 13800 | 30800 | 37500 | 63500 | 79100 | 104000 | 119000 |
| 3.73 | 388. | Thermal with fan | Input Power kW | 109 | 149 | 175 | 272 | 428 | 516 | 750 | 898 | 1400 | 1780 | 2350- |
| | | | Output Torque Nm | 2650 | 3610 | 4280 | 6710 | 10500 | 12400 | 18300 | 21900 | 34500 | 44100 | 57900 |
| | | Thermal with coil | Input Power kW | 105 | 131 | 135 | 214 | 277 | 929 | 1110 | 2130 | 2470 | 3410 | 3830 |
| | | | Output Torque Nm | 2530 | 3170 | 3290 | 5260 | 6770 | 22400 | 27000 | 52000 | 60900 | 84600 | 94500 |
| | | Thermal | Input Power kW | 217 | 272 | 312 | 421 | 608 | 1320 | 1670 | 2760 | 3540 | 4650 | 5230 |
| | | Fan & Coil | Output Torque Nm | 5270 | 6610 | 7630 | 10400 | 14900 | 31800 | 40600 | 67400 | 87200 | 115000 | 129000 |
| 4.13 | 350. | Thermal with fan | Input Power kW | 108 | 147 | 173 | 268 | 421 | 508 | 739 | 885 | 1380 | 1750 | 2310- |
| | | | Output Torque Nm | 2870 | 3960 | 4610 | 7240 | 11500 | 13700 | 19500 | 23900 | 37000 | 47600 | 62100 |
| | | Thermal with coil | Input Power kW | 100 | 125 | 129 | 206 | 268 | 891 | 1070 | 2050 | 2420 | 3370 | 3740 |
| | | | Output Torque Nm | 2670 | 3390 | 3450 | 5550 | 7290 | 24100 | 28100 | 55400 | 64900 | 91600 | 101000 |
| | | Thermal | Input Power kW | 210 | 264 | 303 | 410 | 593 | 1280 | 1610 | 2670 | 3470 | 4610 | 5140 |
| | | Fan & Coil | Output Torque Nm | 5610 | 7140 | 8080 | 11100 | 16100 | 34500 | 42600 | 72200 | 93200 | 125000 | 138000 |
| 4.57 | 316. | Thermal with fan | Input Power kW | 106 | 145 | 171 | 265 | 416 | 501 | 729 | 873 | 1360 | 1730 | 2280 |
| | | | Output Torque Nm | 3140 | 4270 | 4970 | 7820 | 12100 | 15100 | 21600 | 26200 | 41300 | 52400 | 66900 |
| | | Thermal with coil | Input Power kW | 96.6 | 121 | 125 | 201 | 262 | 863 | 1030 | 1980 | 2370 | 3360 | 3680 |
| | | | Output Torque Nm | 2850 | 3570 | 3650 | 5930 | 7640 | 26000 | 30600 | 59400 | 72000 | 102000 | 108000 |
| | | Thermal | Input Power kW | 204 | 257 | 295 | 400 | 580 | 1240 | 1570 | 2580 | 3410 | 4580 | 5050 |
| | | Fan & Coil | Output Torque Nm | 6040 | 7590 | 8600 | 11800 | 16900 | 37400 | 46600 | 77500 | 104000 | 139000 | 148000 |
| 5.06 | 286. | Thermal with fan | Input Power kW | 105 | 143 | 168 | 262 | 411 | 495 | 720 | 862 | 1340 | 1710 | 2250 |
| | | | Output Torque Nm | 3440 | 4680 | 5580 | 8570 | 13500 | 16200 | 23600 | 28300 | 44200 | 56300 | 74300 |
| | | Thermal with coil | Input Power kW | 93.5 | 117 | 122 | 196 | 258 | 838 | 1010 | 1910 | 2330 | 3340 | 3630 |
| | | | Output Torque Nm | 3060 | 3840 | 4030 | 6430 | 8450 | 27500 | 33100 | 62900 | 76800 | 110000 | 120000 |
| | | Thermal | Input Power kW | 199 | 250 | 288 | 391 | 568 | 1210 | 1530 | 2500 | 3360 | 4550 | 4980 |
| | | Fan & Coil | Output Torque Nm | 6530 | 8210 | 9540 | 12800 | 18600 | 39600 | 50400 | 82400 | 111000 | 150000 | 164000 |

ITALICS- Case Baffle is fitted

Note: Cooling coils cannot be fitted to vertical units

H1 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 1.22 | 783. | Mechanical | Input Power kW | 251 | 318 | 422 | 590 | 827 | 1370 | 1660 | 2240- | 2700- | 4090- |
| | | | Output Torque Nm | 3010 | 3870 | 5110 | 7140 | 10000 | 16400 | 20000 | 27200 | 32900 | 49700 |
| | | Thermal | Input Power kW | 54.6 | 73.3 | 93.5 | 234 | 366 | 436 | 650 | 853 | 1370 | 1780 |
| | | No Fan | Output Torque Nm | 654 | 889 | 1130 | 2830 | 4440 | 5240 | 7830 | 10300 | 16700 | 21600 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 1.35 | 708. | Mechanical | Input Power kW | 239 | 314 | 398 | 590 | 821 | 1350 | 1640 | 2220- | 2680- | 4060- |
| | | | Output Torque Nm | 3200 | 4220 | 5340 | 7920 | 11000 | 18000 | 22100 | 29900 | 35900 | 54800 |
| | | Thermal | Input Power kW | 51.7 | 69.4 | 88.5 | 222 | 347 | 413 | 616 | 807 | 1300 | 1690 |
| | | No Fan | Output Torque Nm | 690 | 930 | 1180 | 2970 | 4620 | 5470 | 8260 | 10900 | 17400 | 22700 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 1.50 | 640. | Mechanical | Input Power kW | 220 | 294 | 373 | 590 | 814 | 1240 | 1540 | 2210- | 2660- | 4000- |
| | | | Output Torque Nm | 3240 | 4340 | 5550 | 8620 | 11900 | 18400 | 22900 | 32400 | 39900 | 58700 |
| | | Thermal | Input Power kW | 48.8 | 65.5 | 83.5 | 209 | 327 | 390 | 581 | 761 | 1230 | 1590 |
| | | No Fan | Output Torque Nm | 718 | 965 | 1240 | 3050 | 4790 | 5760 | 8600 | 11200 | 18400 | 23300 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 1.66 | 578. | Mechanical | Input Power kW | 207 | 271 | 354 | 564 | 804 | 1160 | 1450 | 2180 | 2640- | 3770- |
| | | | Output Torque Nm | 3360 | 4450 | 5790 | 9180 | 13200 | 19000 | 23600 | 35700 | 43500 | 61700 |
| | | Thermal | Input Power kW | 45.8 | 61.4 | 78.3 | 196 | 307 | 366 | 545 | 715 | 1150 | 1490 |
| | | No Fan | Output Torque Nm | 739 | 1010 | 1280 | 3190 | 5040 | 6010 | 8860 | 11700 | 19000 | 24400 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 1.84 | 522. | Mechanical | Input Power kW | 195 | 256 | 319 | 528 | 746 | 1070 | 1380 | 2150 | 2470 | 3530- |
| | | | Output Torque Nm | 3530 | 4620 | 5750 | 9620 | 13500 | 19300 | 25100 | 38600 | 44800 | 64700 |
| | | Thermal | Input Power kW | 42.7 | 57.4 | 73.1 | 183 | 286 | 342 | 509 | 667 | 1080 | 1390 |
| | | No Fan | Output Torque Nm | 773 | 1040 | 1320 | 3330 | 5190 | 6150 | 9260 | 11900 | 19500 | 25500 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.03 | 472. | Mechanical | Input Power kW | 182 | 230 | 321 | 513 | 710 | 1030 | 1280 | 1990 | 2390 | 3430- |
| | | | Output Torque Nm | 3630 | 4600 | 6400 | 10300 | 14200 | 20800 | 25700 | 40100 | 48000 | 69100 |
| | | Thermal | Input Power kW | 40.1 | 53.8 | 68.6 | 172 | 269 | 320 | 477 | 626 | 1010 | 1310 |
| | | No Fan | Output Torque Nm | 799 | 1070 | 1360 | 3440 | 5380 | 6420 | 9570 | 12600 | 20300 | 26300 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.25 | 426. | Mechanical | Input Power kW | 170 | 242 | 323 | 475 | 649 | 956 | 1190 | 1830 | 2220 | 3160 |
| | | | Output Torque Nm | 3770 | 5350 | 7180 | 10500 | 14400 | 21100 | 26300 | 40900 | 49600 | 70300 |
| | | Thermal | Input Power kW | 37.7 | 50.6 | 64.5 | 162 | 253 | 301 | 449 | 589 | 950 | 1230 |
| | | No Fan | Output Torque Nm | 832 | 1110 | 1430 | 3570 | 5620 | 6640 | 9960 | 13100 | 21200 | 27300 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.49 | 385. | Mechanical | Input Power kW | 159 | 223 | 301 | 446 | 594 | 879 | 1090 | 1750 | 2060 | 2900 |
| | | | Output Torque Nm | 3900 | 5460 | 7430 | 10900 | 14700 | 21400 | 26800 | 43200 | 50500 | 71600 |
| | | Thermal | Input Power kW | 35.7 | 47.9 | 61.0 | 153 | 239 | 285 | 425 | 557 | 898 | 1160 |
| | | No Fan | Output Torque Nm | 874 | 1170 | 1510 | 3740 | 5920 | 6940 | 10500 | 13700 | 22000 | 28700 |
| | | | Efficiency % | 99 | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.76 | 348. | Mechanical | Input Power kW | 141 | 213 | 276 | 404 | 546 | 752 | 1010 | 1460 | 1900 | 2780 |
| | | | Output Torque Nm | 3810 | 5780 | 7410 | 10900 | 14700 | 20500 | 27300 | 40100 | 51300 | 75800 |
| | | Thermal | Input Power kW | 33.9 | 45.5 | 58.0 | 145 | 227 | 271 | 404 | 529 | 854 | 1110 |
| | | No Fan | Output Torque Nm | 914 | 1230 | 1560 | 3930 | 6110 | 7380 | 10900 | 14500 | 23100 | 30100 |
| | | | Efficiency % | 99 | 99 | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 99 |
| 3.05 | 314. | Mechanical | Input Power kW | 126 | 192 | 248 | 372 | 524 | 713 | 915 | 1440 | 1730 | 2510 |
| | | | Output Torque Nm | 3830 | 5740 | 7520 | 11100 | 15600 | 21300 | 27400 | 43400 | 52800 | 75700 |
| | | Thermal | Input Power kW | 32.4 | 43.6 | 55.5 | 139 | 218 | 259 | 386 | 507 | 817 | 1060 |
| | | No Fan | Output Torque Nm | 982 | 1300 | 1680 | 4150 | 6500 | 7760 | 11600 | 15200 | 24900 | 31900 |
| | | | Efficiency % | 99 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | 99 |
| 3.38 | 284. | Mechanical | Input Power kW | 120 | 177 | 237 | 333 | 473 | 621 | 886 | 1180 | 1620 | 2390 |
| | | | Output Torque Nm | 3940 | 5890 | 7910 | 11100 | 15800 | 21000 | 29000 | 39300 | 53500 | 79900 |
| | | Thermal | Input Power kW | 31.3 | 42.1 | 53.6 | 134 | 210 | 251 | 373 | 490 | 789 | 1020 |
| | | No Fan | Output Torque Nm | 1020 | 1390 | 1780 | 4450 | 7000 | 8450 | 12200 | 16300 | 26000 | 34100 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 3.73 | 257. | Mechanical | Input Power kW | 101 | 159 | 204 | 279 | 427 | 588 | 780 | 1140 | 1400 | 1890 |
| | | | Output Torque Nm | 3700 | 5810 | 7510 | 10400 | 15800 | 21300 | 28700 | 42100 | 52200 | 70900 |
| | | Thermal | Input Power kW | 30.4 | 40.8 | 52.0 | 130 | 204 | 243 | 362 | 474 | 765 | 991 |
| | | No Fan | Output Torque Nm | 1110 | 1490 | 1910 | 4850 | 7530 | 8800 | 13300 | 17400 | 28400 | 37100 |
| | | | Efficiency % | 99 | 98 | 98 | 99 | 98 | 98 | 99 | 99 | 99 | 99 |
| 4.13 | 232. | Mechanical | Input Power kW | 91.2 | 134 | 201 | 263 | 322 | 515 | 748 | 996 | 1340 | 1820 |
| | | | Output Torque Nm | 3670 | 5490 | 8090 | 10700 | 13200 | 21000 | 29700 | 40600 | 54100 | 74400 |
| | | Thermal | Input Power kW | 29.6 | 39.8 | 50.7 | 127 | 199 | 237 | 353 | 463 | 747 | 967 |
| | | No Fan | Output Torque Nm | 1190 | 1620 | 2040 | 5170 | 8170 | 9650 | 14000 | 18900 | 30200 | 39600 |
| | | | Efficiency % | 98 | 99 | 98 | 98 | 98 | 99 | 98 | 99 | 99 | 99 |

ITALICS - Case Baffle is fitted

H1 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 4.57 | 209. | Mechanical | Input Power kW | 75.5 | 114 | 173 | 197 | 347 | 423 | 632 | 812 | 1120 | 1620 | 2830 |
| | | | Output Torque Nm | 3370 | 5090 | 7610 | 8780 | 15300 | 19200 | 28200 | 36700 | 51300 | 73900 | 126000 |
| | | Thermal | Input Power kW | 29.2 | 39.2 | 50.0 | 125 | 196 | 234 | 348 | 457 | 736 | 954 | 1390 |
| | | No Fan | Output Torque Nm | 1300 | 1750 | 2200 | 5590 | 8620 | 10600 | 15500 | 20600 | 33700 | 43600 | 61500 |
| 5.06 | 189. | Mechanical | Efficiency % | 98 | 98 | 98 | 98 | 99 | 98 | 98 | 99 | 99 | 99 | 99 |
| | | | Input Power kW | 58.2 | 87.6 | 115 | 183 | 248 | 367 | 488 | 734 | 942 | 1490 | 2040 |
| | | | Output Torque Nm | 2880 | 4340 | 5760 | 9060 | 12300 | 18200 | 24200 | 36400 | 46700 | 74000 | 102000 |
| | | Thermal | Input Power kW | 29.0 | 38.9 | 49.6 | 124 | 194 | 232 | 345 | 453 | 730 | 946 | 1380 |
| | | No Fan | Output Torque Nm | 1430 | 1920 | 2480 | 6150 | 9620 | 11500 | 17100 | 22400 | 36200 | 47000 | 68500 |
| | | | Efficiency % | 98 | 98 | 99 | 98 | 99 | 98 | 99 | 99 | 99 | 99 | 99 |

H1 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 1.22 | 783. | Thermal | Input Power kW | 148 | 201 | 238 | 369 | 579 | 698 | 1020 | 1220 | 1900 | 2410 | 3180 |
| | | | Output Torque Nm | 1780 | 2450 | 2880 | 4470 | 7040 | 8380 | 12200 | 14800 | 23100 | 29300 | 38700 |
| | | Thermal | Input Power kW | 191 | 239 | 247 | 397 | 523 | 1740 | 1910 | 3260 | 4160 | 4800 | 5860 |
| | | with coil | Output Torque Nm | 2290 | 2900 | 2990 | 4800 | 6350 | 20900 | 23000 | 39600 | 50700 | 58300 | 71300 |
| 1.35 | 708. | Thermal | Input Power kW | 342 | 423 | 483 | 636 | 903 | 2190 | 2520 | 3880 | 4720 | 5920 | 6990 |
| | | Fan & Coil | Output Torque Nm | 4100 | 5150 | 5850 | 7710 | 11000 | 26300 | 30300 | 47100 | 57500 | 71900 | 85100 |
| | | Thermal | Input Power kW | 140 | 191 | 225 | 349 | 549 | 661 | 962 | 1150 | 1800 | 2280 | 3010 |
| | | with fan | Output Torque Nm | 1880 | 2560 | 3020 | 4690 | 7320 | 8760 | 12900 | 15500 | 24000 | 30800 | 40200 |
| 1.50 | 640. | Thermal | Input Power kW | 182 | 227 | 235 | 377 | 498 | 1670 | 1850 | 3210 | 3980 | 4670 | 5680 |
| | | with coil | Output Torque Nm | 2430 | 3050 | 3160 | 5060 | 6640 | 22100 | 24900 | 43300 | 53300 | 63000 | 75900 |
| | | Thermal | Input Power kW | 325 | 402 | 459 | 604 | 857 | 2110 | 2440 | 3810 | 4580 | 5740 | 6770 |
| | | Fan & Coil | Output Torque Nm | 4340 | 5400 | 6170 | 8120 | 11400 | 27900 | 32800 | 51300 | 61300 | 77500 | 90500 |
| 1.66 | 578. | Thermal | Input Power kW | 132 | 180 | 212 | 330 | 518 | 624 | 908 | 1090 | 1690 | 2150 | 2840 |
| | | with fan | Output Torque Nm | 1950 | 2660 | 3160 | 4810 | 7580 | 9230 | 13400 | 15900 | 25400 | 31600 | 41700 |
| | | Thermal | Input Power kW | 172 | 216 | 223 | 357 | 473 | 1600 | 1800 | 3150 | 3800 | 4530 | 5490 |
| | | with coil | Output Torque Nm | 2540 | 3190 | 3330 | 5220 | 6920 | 23600 | 26700 | 46200 | 56900 | 66400 | 80600 |
| 1.84 | 522. | Thermal | Input Power kW | 308 | 381 | 435 | 572 | 811 | 2010 | 2360 | 3720 | 4440 | 5560 | 6540 |
| | | Fan & Coil | Output Torque Nm | 4550 | 5630 | 6490 | 8370 | 11900 | 29800 | 35000 | 54600 | 66500 | 81600 | 96100 |
| | | Thermal | Input Power kW | 124 | 169 | 199 | 309 | 485 | 584 | 851 | 1020 | 1590 | 2020 | 2660 |
| | | with fan | Output Torque Nm | 2010 | 2760 | 3250 | 5030 | 7970 | 9610 | 13800 | 16600 | 26200 | 33000 | 43800 |
| 2.03 | 472. | Thermal | Input Power kW | 163 | 204 | 211 | 337 | 445 | 1510 | 1740 | 3080 | 3600 | 4370 | 5280 |
| | | with coil | Output Torque Nm | 2650 | 3350 | 3460 | 5490 | 7320 | 24900 | 28300 | 50300 | 59300 | 71600 | 87100 |
| | | Thermal | Input Power kW | 291 | 360 | 411 | 540 | 764 | 1910 | 2280 | 3630 | 4280 | 5360 | 6290 |
| | | Fan & Coil | Output Torque Nm | 4720 | 5910 | 6730 | 8800 | 12600 | 31300 | 37000 | 59400 | 70500 | 87800 | 104000 |
| | | Thermal | Input Power kW | 116 | 157 | 185 | 288 | 452 | 544 | 792 | 948 | 1480 | 1880 | 2480 |
| | | with fan | Output Torque Nm | 2090 | 2840 | 3340 | 5240 | 8180 | 9800 | 14400 | 17000 | 26800 | 34400 | 45000 |
| | | Thermal | Input Power kW | 155 | 193 | 200 | 317 | 418 | 1430 | 1670 | 3000 | 3390 | 4210 | 5070 |
| | | with coil | Output Torque Nm | 2800 | 3490 | 3600 | 5770 | 7570 | 25800 | 30500 | 53800 | 61400 | 77100 | 92200 |
| | | Thermal | Input Power kW | 274 | 339 | 387 | 507 | 717 | 1790 | 2180 | 3530 | 4110 | 5150 | 6030 |
| | | Fan & Coil | Output Torque Nm | 4970 | 6130 | 6980 | 9240 | 13000 | 32300 | 39700 | 63200 | 74500 | 94300 | 110000 |
| | | Thermal | Input Power kW | 109 | 148 | 175 | 271 | 426 | 513 | 747 | 894 | 1390 | 1770 | 2340 |
| | | with fan | Output Torque Nm | 2180 | 2960 | 3490 | 5430 | 8530 | 10300 | 15000 | 18000 | 28000 | 35700 | 47000 |
| | | Thermal | Input Power kW | 146 | 183 | 189 | 299 | 392 | 1340 | 1600 | 2910 | 3200 | 4060 | 4860 |
| | | with coil | Output Torque Nm | 2920 | 3650 | 3760 | 5980 | 7850 | 27000 | 32100 | 58500 | 64400 | 81900 | 97800 |
| | | Thermal | Input Power kW | 260 | 321 | 366 | 479 | 678 | 1690 | 2080 | 3410 | 3950 | 4970 | 5790 |
| | | Fan & Coil | Output Torque Nm | 5190 | 6400 | 7310 | 9610 | 13600 | 33900 | 41900 | 68700 | 79500 | 100000 | 116000 |

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H1 THERMAL RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 2.25 | 426. | Thermal with fan | Input Power kW | 105 | 142 | 168 | 260 | 409 | 493 | 717 | 858 | 1340 | 1700 | 2240- |
| | | | Output Torque Nm | 2310 | 3140 | 3720 | 5750 | 9090 | 10900 | 15900 | 19100 | 29900 | 37800 | 50100 |
| | | Thermal with coil | Input Power kW | 138 | 173 | 178 | 282 | 368 | 1250 | 1510 | 2790 | 3030 | 3920 | 4640 |
| | | | Output Torque Nm | 3050 | 3810 | 3950 | 6220 | 8180 | 27700 | 33500 | 62100 | 67700 | 87100 | 104000 |
| | | Thermal Fan & Coil | Input Power kW | 247 | 305 | 349 | 457 | 647 | 1590 | 1980 | 3290 | 3800 | 4820 | 5570 |
| 2.49 | 385. | Thermal with fan | Input Power kW | 101 | 138 | 162 | 252 | 396 | 477 | 694 | 831 | 1290 | 1650 | 2170- |
| | | | Output Torque Nm | 2480 | 3370 | 4010 | 6170 | 9800 | 11600 | 17100 | 20500 | 31700 | 40600 | 54000 |
| | | Thermal with coil | Input Power kW | 131 | 163 | 168 | 266 | 346 | 1170 | 1420 | 2650 | 2880 | 3790 | 4430 |
| | | | Output Torque Nm | 3200 | 4000 | 4160 | 6530 | 8570 | 28600 | 34900 | 65400 | 70600 | 93500 | 110000 |
| | | Thermal Fan & Coil | Input Power kW | 236 | 292 | 333 | 438 | 621 | 1500 | 1880 | 3150 | 3670 | 4690 | 5370 |
| 2.76 | 348. | Thermal with fan | Input Power kW | 98.1 | 133 | 157 | 244 | 384 | 462 | 673 | 805 | 1260 | 1590 | 2100 |
| | | | Output Torque Nm | 2650 | 3610 | 4230 | 6610 | 10300 | 12600 | 18200 | 22100 | 33900 | 43500 | 56900 |
| | | Thermal with coil | Input Power kW | 124 | 155 | 160 | 253 | 328 | 1100 | 1320 | 2510 | 2760 | 3680 | 4280 |
| | | | Output Torque Nm | 3340 | 4180 | 4290 | 6840 | 8810 | 30100 | 35800 | 68800 | 74700 | 100000 | 116000 |
| | | Thermal Fan & Coil | Input Power kW | 226 | 279 | 319 | 420 | 597 | 1420 | 1770 | 2990 | 3570 | 4580 | 5220 |
| 3.05 | 314. | Thermal with fan | Input Power kW | 6090 | 7560 | 8580 | 11400 | 16100 | 38700 | 48000 | 82000 | 96400 | 125000 | 141000 |
| | | | Output Torque Nm | 2900 | 3880 | 4650 | 7110 | 11200 | 13500 | 19600 | 23500 | 37300 | 46700 | 61600 |
| | | Thermal with coil | Input Power kW | 117 | 147 | 152 | 241 | 312 | 1040 | 1240 | 2370 | 2660 | 3590 | 4150 |
| | | | Output Torque Nm | 3560 | 4390 | 4600 | 7190 | 9320 | 31200 | 37200 | 71200 | 81300 | 108000 | 125000 |
| | | Thermal Fan & Coil | Input Power kW | 216 | 268 | 306 | 405 | 575 | 1350 | 1680 | 2840 | 3480 | 4490 | 5090 |
| 3.38 | 284. | Thermal with fan | Input Power kW | 95.5 | 130 | 153 | 238 | 373 | 450 | 655 | 784 | 1220 | 1550 | 2050 |
| | | | Output Torque Nm | 3050 | 4210 | 4990 | 7710 | 12200 | 14800 | 21000 | 25600 | 39400 | 50700 | 67100 |
| | | Thermal with coil | Input Power kW | 112 | 140 | 144 | 230 | 299 | 989 | 1180 | 2260 | 2580 | 3520 | 4020 |
| | | | Output Torque Nm | 3650 | 4630 | 4810 | 7640 | 9970 | 33400 | 38700 | 75400 | 85300 | 118000 | 135000 |
| | | Thermal Fan & Coil | Input Power kW | 207 | 257 | 294 | 390 | 555 | 1290 | 1600 | 2720 | 3380 | 4410 | 4960 |
| 3.73 | 257. | Thermal with fan | Input Power kW | 6780 | 8540 | 9810 | 12900 | 18500 | 43500 | 52600 | 90800 | 112000 | 147000 | 166000 |
| | | | Output Torque Nm | 3360 | 4570 | 5420 | 8500 | 13300 | 15700 | 23100 | 27700 | 43600 | 55800 | 73200 |
| | | Thermal with coil | Input Power kW | 106 | 133 | 138 | 221 | 288 | 943 | 1130 | 2160 | 2520 | 3460 | 3910 |
| | | | Output Torque Nm | 3890 | 4880 | 5080 | 8230 | 10700 | 34200 | 41400 | 79500 | 93500 | 130000 | 146000 |
| | | Thermal Fan & Coil | Input Power kW | 200 | 248 | 284 | 377 | 539 | 1240 | 1540 | 2610 | 3310 | 4360 | 4850 |
| 4.13 | 232. | Thermal with fan | Input Power kW | 7310 | 9100 | 10500 | 14100 | 19900 | 44900 | 56700 | 96200 | 123000 | 163000 | 181000 |
| | | | Output Torque Nm | 3640 | 5020 | 5830 | 9160 | 14500 | 17300 | 24600 | 30200 | 46800 | 60100 | 78500 |
| | | Thermal with coil | Input Power kW | 102 | 127 | 132 | 213 | 279 | 905 | 1090 | 2080 | 2460 | 3430 | 3830 |
| | | | Output Torque Nm | 4100 | 5210 | 5330 | 8690 | 11500 | 36900 | 43200 | 84700 | 99600 | 140000 | 155000 |
| | | Thermal Fan & Coil | Input Power kW | 193 | 240 | 275 | 366 | 524 | 1190 | 1490 | 2520 | 3250 | 4330 | 4760 |
| 4.57 | 209. | Thermal with fan | Input Power kW | 7770 | 9810 | 11100 | 14900 | 21600 | 48600 | 59400 | 103000 | 131000 | 177000 | 193000 |
| | | | Output Torque Nm | 3980 | 5400 | 6290 | 9890 | 15300 | 19100 | 27300 | 33100 | 52200 | 66200 | 84600 |
| | | Thermal with coil | Input Power kW | 98.3 | 123 | 128 | 208 | 274 | 877 | 1050 | 2000 | 2410 | 3410 | 3760 |
| | | | Output Torque Nm | 4390 | 5500 | 5640 | 9280 | 12000 | 39900 | 47000 | 90700 | 110000 | 156000 | 166000 |
| | | Thermal Fan & Coil | Input Power kW | 187 | 233 | 267 | 357 | 512 | 1160 | 1450 | 2440 | 3190 | 4300 | 4680 |
| 5.06 | 189. | Thermal with fan | Input Power kW | 8360 | 10400 | 11800 | 15900 | 22500 | 52700 | 64900 | 110000 | 146000 | 197000 | 207000 |
| | | | Output Torque Nm | 4360 | 5920 | 7060 | 10800 | 17000 | 20500 | 29900 | 35800 | 55900 | 71100 | 93900 |
| | | Thermal with coil | Input Power kW | 95.2 | 119 | 124 | 203 | 269 | 851 | 1030 | 1940 | 2370 | 3390 | 3710 |
| | | | Output Torque Nm | 4710 | 5910 | 6220 | 10100 | 13300 | 42100 | 50900 | 96100 | 118000 | 169000 | 185000 |
| | | Thermal Fan & Coil | Input Power kW | 182 | 227 | 261 | 349 | 501 | 1130 | 1420 | 2360 | 3140 | 4270 | 4610 |
| 5.06 | 189. | Thermal with fan | Input Power kW | 9020 | 11300 | 13000 | 17300 | 24800 | 55800 | 70200 | 117000 | 156000 | 212000 | 230000 |
| | | | Output Torque Nm | 4360 | 5920 | 7060 | 10800 | 17000 | 20500 | 29900 | 35800 | 55900 | 71100 | 93900 |

**ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units**

H1 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|--------------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 1.22 | 591. | Mechanical | Input Power kW | 191 | 243 | 324 | 445 | 624 | 1030 | 1250 | 1690 | 2040 | 3090- 4150- |
| | | | Output Torque Nm | 3040 | 3910 | 5190 | 7130 | 10000 | 16400 | 20000 | 27200 | 32900 | 49700 66900 |
| | | Thermal | Input Power kW | 56.3 | 75.6 | 96.4 | 241 | 378 | 450 | 671 | 880 | 1420 | 1840 2680 |
| | | No Fan | Output Torque Nm | 894 | 1220 | 1540 | 3870 | 6070 | 7160 | 10700 | 14100 | 22900 | 29600 43100 |
| 1.35 | 534. | Mechanical | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | | Input Power kW | 182 | 240 | 305 | 445 | 620 | 1030 | 1240 | 1680 | 2030 | 3070- 4120- |
| | | | Output Torque Nm | 3230 | 4260 | 5410 | 7910 | 10900 | 18000 | 22100 | 29900 | 35900 | 54800 73000 |
| | | Thermal | Input Power kW | 53.3 | 71.6 | 91.3 | 229 | 358 | 426 | 635 | 833 | 1340 | 1740 2530 |
| 1.50 | 483. | No Fan | Output Torque Nm | 943 | 1270 | 1620 | 4060 | 6310 | 7480 | 11300 | 14900 | 23800 | 31100 44900 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 167 | 224 | 285 | 445 | 615 | 946 | 1180 | 1670 | 2010 | 3020 4100- |
| | | | Output Torque Nm | 3260 | 4380 | 5620 | 8610 | 11900 | 18500 | 23100 | 32300 | 39800 | 58700 79700 |
| 1.66 | 436. | Thermal | Input Power kW | 50.3 | 67.5 | 86.1 | 216 | 337 | 402 | 599 | 786 | 1270 | 1640 2390 |
| | | No Fan | Output Torque Nm | 982 | 1320 | 1700 | 4170 | 6540 | 7880 | 11800 | 15200 | 25100 | 31900 46500 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 158 | 206 | 270 | 426 | 607 | 880 | 1100 | 1650 | 1990 | 2850 4050- |
| 1.84 | 394. | | Output Torque Nm | 3380 | 4490 | 5840 | 9170 | 13200 | 19100 | 23800 | 35700 | 43500 | 61700 88500 |
| | | Thermal | Input Power kW | 47.2 | 63.4 | 80.8 | 202 | 317 | 377 | 562 | 738 | 1190 | 1540 2240 |
| | | No Fan | Output Torque Nm | 1010 | 1380 | 1750 | 4360 | 6880 | 8210 | 12100 | 16000 | 25900 | 33400 49000 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.03 | 356.6 | Mechanical | Input Power kW | 148 | 194 | 243 | 399 | 568 | 815 | 1050 | 1630 | 1970 | 2670 4010 |
| | | | Output Torque Nm | 3550 | 4660 | 5800 | 9610 | 13600 | 19400 | 25300 | 38700 | 47300 | 64700 96600 |
| | | Thermal | Input Power kW | 44.1 | 59.2 | 75.4 | 189 | 296 | 353 | 525 | 689 | 1110 | 1440 2090 |
| | | No Fan | Output Torque Nm | 1060 | 1420 | 1800 | 4550 | 7090 | 8400 | 12600 | 16300 | 26600 | 34900 50400 |
| 2.25 | 322. | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 138 | 175 | 244 | 388 | 540 | 785 | 972 | 1570 | 1950 | 2590 3970 |
| | | | Output Torque Nm | 3650 | 4630 | 6450 | 10300 | 14300 | 20900 | 25800 | 41900 | 51900 | 69200 106000 |
| | | Thermal | Input Power kW | 41.3 | 55.5 | 70.7 | 177 | 277 | 330 | 492 | 646 | 1040 | 1350 1960 |
| 2.49 | 291. | No Fan | Output Torque Nm | 1090 | 1470 | 1870 | 4690 | 7350 | 8770 | 13100 | 17200 | 27700 | 36000 52300 |
| | | | Efficiency % | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 129 | 184 | 246 | 358 | 493 | 726 | 901 | 1400 | 1830 | 2400 3820 |
| | | | Output Torque Nm | 3780 | 5370 | 7210 | 10500 | 14500 | 21200 | 26500 | 41300 | 54000 | 70500 113000 |
| 2.76 | 263. | Thermal | Input Power kW | 38.9 | 52.2 | 66.6 | 167 | 261 | 311 | 464 | 608 | 980 | 1270 1850 |
| | | No Fan | Output Torque Nm | 1140 | 1530 | 1950 | 4870 | 7670 | 9080 | 13600 | 17900 | 28900 | 37400 54700 |
| | | | Efficiency % | 99 | 98 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 120 | 169 | 228 | 341 | 451 | 667 | 826 | 1350 | 1690 | 2380 3470 |
| 2.49 | 291. | | Output Torque Nm | 3910 | 5480 | 7470 | 11100 | 14800 | 21500 | 26900 | 44000 | 54900 | 77900 114000 |
| | | Thermal | Input Power kW | 36.8 | 49.4 | 62.9 | 158 | 247 | 294 | 438 | 575 | 927 | 1200 1750 |
| | | No Fan | Output Torque Nm | 1200 | 1600 | 2060 | 5120 | 8080 | 9480 | 14300 | 18700 | 30000 | 39200 57600 |
| | | | Efficiency % | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 2.76 | 263. | Mechanical | Input Power kW | 107 | 162 | 209 | 307 | 414 | 571 | 766 | 1110 | 1560 | 2290 3130 |
| | | | Output Torque Nm | 3820 | 5800 | 7440 | 11000 | 14700 | 20600 | 27400 | 40300 | 55700 | 82500 112000 |
| | | Thermal | Input Power kW | 35.0 | 47.0 | 59.9 | 150 | 235 | 280 | 417 | 547 | 881 | 1140 1660 |
| | | No Fan | Output Torque Nm | 1250 | 1680 | 2130 | 5380 | 8350 | 10100 | 14900 | 19800 | 31500 | 41200 59500 |
| 3.05 | 237. | | Efficiency % | 99 | 98 | 99 | 98 | 98 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 95.7 | 145 | 188 | 282 | 397 | 540 | 693 | 1100 | 1410 | 2070 3000 |
| | | | Output Torque Nm | 3840 | 5760 | 7540 | 11200 | 15700 | 21400 | 27500 | 43500 | 56800 | 82300 120000 |
| | | Thermal | Input Power kW | 33.5 | 45.0 | 57.3 | 144 | 225 | 268 | 399 | 523 | 844 | 1090 1590 |
| 3.38 | 214. | No Fan | Output Torque Nm | 1340 | 1780 | 2300 | 5680 | 8880 | 10600 | 15800 | 20800 | 34100 | 43500 63400 |
| | | | Efficiency % | 99 | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 91.2 | 136 | 180 | 252 | 359 | 471 | 672 | 893 | 1230 | 1930 2720 |
| | | | Output Torque Nm | 3950 | 5970 | 7930 | 11100 | 15800 | 21000 | 29100 | 39500 | 53600 | 85500 121000 |
| 3.73 | 194. | Thermal | Input Power kW | 32.3 | 43.4 | 55.3 | 139 | 217 | 259 | 385 | 505 | 815 | 1060 1540 |
| | | No Fan | Output Torque Nm | 1400 | 1910 | 2440 | 6090 | 9570 | 11500 | 16700 | 22300 | 35600 | 46600 68300 |
| | | | Efficiency % | 99 | 98 | 98 | 99 | 98 | 98 | 99 | 99 | 99 | 99 |
| | | Mechanical | Input Power kW | 77.6 | 121 | 154 | 211 | 323 | 445 | 591 | 866 | 1060 | 1440 2460 |
| 3.73 | 194. | | Output Torque Nm | 3760 | 5880 | 7530 | 10400 | 15800 | 21400 | 28700 | 42100 | 52300 | 71200 121000 |
| | | Thermal | Input Power kW | 31.3 | 42.1 | 53.6 | 134 | 210 | 251 | 374 | 490 | 790 | 1020 1490 |
| | | No Fan | Output Torque Nm | 1520 | 2040 | 2620 | 6630 | 10300 | 12000 | 18100 | 23800 | 38800 | 50700 73400 |
| | | | Efficiency % | 98 | 98 | 99 | 98 | 98 | 98 | 98 | 99 | 99 | 99 |
| 4.13 | 175. | Mechanical | Input Power kW | 70.2 | 102 | 153 | 202 | 244 | 394 | 567 | 762 | 1010 | 1380 2310 |
| | | | Output Torque Nm | 3740 | 5510 | 8160 | 10900 | 13300 | 21300 | 29800 | 41100 | 54100 | 74600 124000 |
| | | Thermal | Input Power kW | 30.6 | 41.1 | 52.3 | 131 | 205 | 245 | 365 | 478 | 771 | 999 1450 |
| | | No Fan | Output Torque Nm | 1630 | 2220 | 2790 | 7080 | 11200 | 13200 | 19200 | 25800 | 41200 | 54100 78000 |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 99 | 99 | 98 | 99 | 99 | 99 |

ITALICS - Case Baffle is fitted

H1 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 4.57 | 158. | Mechanical | Input Power kW | 57.9 | 87.6 | 133 | 151 | 266 | 324 | 484 | 621 | 849 | 1220 | 2140 |
| | | | Output Torque Nm | 3420 | 5180 | 7740 | 8920 | 15500 | 19500 | 28600 | 37100 | 51300 | 74000 | 126000 |
| | | Thermal | Input Power kW | 30.2 | 40.5 | 51.6 | 129 | 202 | 241 | 360 | 471 | 760 | 985 | 1430 |
| | | No Fan | Output Torque Nm | 1780 | 2390 | 3010 | 7640 | 11800 | 14500 | 21200 | 28200 | 46000 | 59500 | 84000 |
| | | | Efficiency % | 98 | 98 | 98 | 99 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 5.06 | 143. | Mechanical | Input Power kW | 44.8 | 67.4 | 87.4 | 140 | 190 | 281 | 374 | 562 | 720 | 1140 | 1550 |
| | | | Output Torque Nm | 2940 | 4420 | 5790 | 9200 | 12500 | 18400 | 24500 | 36800 | 47200 | 74700 | 102000 |
| | | Thermal | Input Power kW | 29.9 | 40.2 | 51.2 | 128 | 201 | 239 | 357 | 468 | 754 | 977 | 1420 |
| | | No Fan | Output Torque Nm | 1960 | 2630 | 3390 | 8410 | 13200 | 15700 | 23400 | 30700 | 49500 | 64200 | 93600 |
| | | | Efficiency % | 99 | 98 | 99 | 99 | 99 | 98 | 98 | 98 | 99 | 98 | 99 |

H1 THERMAL RATINGS AT 725 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 1.22 | 591. | Thermal | Input Power kW | 134 | 183 | 215 | 334 | 525 | 633 | 921 | 1100 | 1720 | 2180- | 2880- |
| | | with fan | Output Torque Nm | 2130 | 2940 | 3450 | 5360 | 8440 | 10100 | 14700 | 17700 | 27700 | 35100 | 46400 |
| | | Thermal | Input Power kW | 193 | 241 | 250 | 404 | 535 | 1750 | 1930 | 3290 | 4210 | 4860 | 5940 |
| | | with coil | Output Torque Nm | 3060 | 3880 | 4010 | 6480 | 8600 | 27800 | 30700 | 52900 | 67800 | 78200 | 95800 |
| | | Thermal | Input Power kW | 328 | 404 | 461 | 602 | 849 | 2130 | 2420 | 3770 | 4540 | 5690 | 6690 |
| 1.35 | 534. | Fan & Coil | Output Torque Nm | 5210 | 6510 | 7390 | 9640 | 13600 | 33800 | 38600 | 60600 | 73300 | 91600 | 108000 |
| | | Thermal | Input Power kW | 127 | 173 | 204 | 317 | 497 | 599 | 872 | 1040 | 1630 | 2070- | 2730- |
| | | with fan | Output Torque Nm | 2250 | 3070 | 3620 | 5630 | 8780 | 10500 | 15500 | 18600 | 28800 | 36900 | 48300 |
| | | Thermal | Input Power kW | 183 | 229 | 238 | 384 | 509 | 1680 | 1870 | 3230 | 4030 | 4720 | 5760 |
| | | with coil | Output Torque Nm | 3240 | 4080 | 4230 | 6830 | 8990 | 29500 | 33300 | 57700 | 71300 | 84400 | 102000 |
| 1.50 | 483. | Thermal | Input Power kW | 312 | 384 | 438 | 572 | 806 | 2040 | 2350 | 3700 | 4420 | 5530 | 6490 |
| | | Fan & Coil | Output Torque Nm | 5520 | 6830 | 7790 | 10200 | 14200 | 35900 | 41900 | 66000 | 78200 | 98800 | 115000 |
| | | Thermal | Input Power kW | 120 | 163 | 192 | 299 | 469 | 565 | 823 | 985 | 1540 | 1950 | 2570- |
| | | with fan | Output Torque Nm | 2340 | 3190 | 3790 | 5770 | 9100 | 11100 | 16100 | 19100 | 30400 | 37900 | 50100 |
| | | Thermal | Input Power kW | 174 | 218 | 226 | 364 | 483 | 1610 | 1820 | 3170 | 3840 | 4580 | 5560 |
| 1.66 | 436. | Thermal | Output Torque Nm | 3400 | 4260 | 4460 | 7030 | 9370 | 31500 | 35700 | 61600 | 76100 | 89000 | 108000 |
| | | with coil | Input Power kW | 296 | 364 | 416 | 542 | 763 | 1950 | 2280 | 3620 | 4280 | 5360 | 6280 |
| | | Fan & Coil | Output Torque Nm | 5780 | 7130 | 8200 | 10500 | 14800 | 38200 | 44700 | 70300 | 84900 | 104000 | 122000 |
| | | Thermal | Input Power kW | 112 | 153 | 180 | 280 | 440 | 530 | 771 | 923 | 1440 | 1830 | 2410- |
| | | with fan | Output Torque Nm | 2410 | 3320 | 3900 | 6030 | 9560 | 11500 | 16600 | 20000 | 31400 | 39600 | 52600 |
| 1.84 | 394. | Thermal | Input Power kW | 165 | 206 | 214 | 343 | 455 | 1530 | 1760 | 3100 | 3630 | 4420 | 5350 |
| | | with coil | Output Torque Nm | 3540 | 4480 | 4630 | 7400 | 9900 | 33200 | 37800 | 67100 | 79300 | 95900 | 117000 |
| | | Thermal | Input Power kW | 280 | 344 | 393 | 511 | 719 | 1850 | 2200 | 3530 | 4130 | 5170 | 6040 |
| | | Fan & Coil | Output Torque Nm | 6000 | 7480 | 8500 | 11000 | 15600 | 40300 | 47300 | 76500 | 90100 | 112000 | 132000 |
| | | Thermal | Input Power kW | 105 | 142 | 168 | 261 | 409 | 493 | 718 | 860 | 1340 | 1700 | 2240 |
| 2.03 | 356.6 | Thermal | Output Torque Nm | 2510 | 3410 | 4010 | 6280 | 9810 | 11800 | 17300 | 20400 | 32100 | 41300 | 54000 |
| | | with fan | Input Power kW | 156 | 195 | 202 | 323 | 427 | 1440 | 1690 | 3020 | 3420 | 4260 | 5130 |
| | | Thermal | Output Torque Nm | 3740 | 4670 | 4820 | 7780 | 10200 | 34300 | 40700 | 71700 | 82100 | 103000 | 124000 |
| | | Thermal | Input Power kW | 264 | 324 | 370 | 480 | 675 | 1740 | 2110 | 3440 | 3970 | 4970 | 5800 |
| | | Fan & Coil | Output Torque Nm | 6330 | 7770 | 8820 | 11600 | 16200 | 41600 | 50800 | 81500 | 95300 | 121000 | 140000 |
| 2.03 | 356.6 | Thermal | Input Power kW | 98.8 | 134 | 158 | 246 | 386 | 465 | 677 | 811 | 1260 | 1610 | 2120 |
| | | with fan | Output Torque Nm | 2610 | 3550 | 4180 | 6520 | 10200 | 12400 | 18000 | 21600 | 33600 | 42800 | 56400 |
| | | Thermal | Input Power kW | 147 | 184 | 191 | 304 | 401 | 1350 | 1610 | 2930 | 3230 | 4100 | 4920 |
| | | with coil | Output Torque Nm | 3900 | 4870 | 5040 | 8060 | 10600 | 35900 | 42800 | 78000 | 86100 | 110000 | 131000 |
| | | Thermal | Input Power kW | 249 | 307 | 350 | 454 | 638 | 1640 | 2020 | 3330 | 3820 | 4800 | 5570 |
| 2.03 | 356.6 | Fan & Coil | Output Torque Nm | 6600 | 8110 | 9240 | 12000 | 16900 | 43600 | 53500 | 88700 | 102000 | 128000 | 148000 |

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H1 THERMAL RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 2.25 | 322. | Thermal with fan | Input Power kW | 94.8 | 129 | 152 | 236 | 371 | 447 | 650 | 778 | 1210 | 1540 | 2030 |
| | | | Output Torque Nm | 2780 | 3770 | 4470 | 6900 | 10900 | 13000 | 19100 | 23000 | 35800 | 45300 | 60100 |
| | | Thermal with coil | Input Power kW | 139 | 174 | 180 | 287 | 376 | 1260 | 1520 | 2800 | 3060 | 3960 | 4700 |
| | | | Output Torque Nm | 4080 | 5090 | 5290 | 8390 | 11100 | 36900 | 44700 | 82800 | 90500 | 116000 | 139000 |
| | | Thermal | Input Power kW | 237 | 292 | 333 | 433 | 609 | 1540 | 1920 | 3210 | 3680 | 4660 | 5360 |
| | | Fan & Coil | Output Torque Nm | 6950 | 8540 | 9790 | 12700 | 17900 | 45000 | 56300 | 94600 | 109000 | 137000 | 159000 |
| 2.49 | 291. | Thermal with fan | Input Power kW | 91.8 | 125 | 147 | 228 | 359 | 432 | 629 | 753 | 1170 | 1490 | 1970 |
| | | | Output Torque Nm | 2980 | 4050 | 4820 | 7410 | 11800 | 13900 | 20500 | 24500 | 38000 | 48700 | 64800 |
| | | Thermal with coil | Input Power kW | 132 | 165 | 170 | 271 | 354 | 1180 | 1430 | 2670 | 2910 | 3820 | 4490 |
| | | | Output Torque Nm | 4280 | 5340 | 5580 | 8800 | 11600 | 38100 | 46600 | 87100 | 94400 | 125000 | 148000 |
| | | Thermal | Input Power kW | 227 | 279 | 318 | 415 | 584 | 1450 | 1810 | 3070 | 3550 | 4540 | 5170 |
| | | Fan & Coil | Output Torque Nm | 7370 | 9060 | 10400 | 13500 | 19100 | 46800 | 59100 | 100000 | 115000 | 148000 | 170000 |
| 2.76 | 263. | Thermal with fan | Input Power kW | 89.0 | 121 | 143 | 221 | 348 | 419 | 610 | 730 | 1140 | 1450 | 1910 |
| | | | Output Torque Nm | 3180 | 4330 | 5080 | 7940 | 12400 | 15100 | 21900 | 26500 | 40700 | 52200 | 68300 |
| | | Thermal with coil | Input Power kW | 125 | 156 | 161 | 257 | 335 | 1110 | 1340 | 2520 | 2790 | 3720 | 4330 |
| | | | Output Torque Nm | 4460 | 5590 | 5740 | 9230 | 11900 | 40100 | 47900 | 91600 | 99800 | 134000 | 155000 |
| | | Thermal | Input Power kW | 217 | 267 | 305 | 398 | 561 | 1370 | 1710 | 2920 | 3450 | 4430 | 5030 |
| | | Fan & Coil | Output Torque Nm | 7740 | 9570 | 10800 | 14300 | 20000 | 49600 | 61200 | 106000 | 123000 | 160000 | 180000 |
| 3.05 | 237. | Thermal with fan | Input Power kW | 86.6 | 118 | 139 | 216 | 339 | 408 | 594 | 711 | 1110 | 1410 | 1860 |
| | | | Output Torque Nm | 3480 | 4660 | 5580 | 8530 | 13400 | 16200 | 23500 | 28200 | 44700 | 56100 | 73900 |
| | | Thermal with coil | Input Power kW | 118 | 148 | 153 | 245 | 319 | 1050 | 1250 | 2390 | 2690 | 3620 | 4200 |
| | | | Output Torque Nm | 4760 | 5870 | 6160 | 9710 | 12600 | 41600 | 49700 | 94800 | 109000 | 144000 | 167000 |
| | | Thermal | Input Power kW | 207 | 256 | 292 | 382 | 540 | 1310 | 1610 | 2770 | 3360 | 4350 | 4900 |
| | | Fan & Coil | Output Torque Nm | 8330 | 10100 | 11700 | 15100 | 21400 | 51800 | 64000 | 110000 | 136000 | 173000 | 195000 |
| 3.38 | 214. | Thermal with fan | Input Power kW | 84.7 | 115 | 136 | 211 | 331 | 399 | 580 | 695 | 1080 | 1380 | 1810 |
| | | | Output Torque Nm | 3660 | 5050 | 5990 | 9260 | 14600 | 17800 | 25100 | 30700 | 47300 | 60800 | 80500 |
| | | Thermal with coil | Input Power kW | 113 | 141 | 146 | 235 | 306 | 997 | 1190 | 2270 | 2610 | 3550 | 4070 |
| | | | Output Torque Nm | 4870 | 6190 | 6450 | 10300 | 13500 | 44500 | 51600 | 100000 | 114000 | 157000 | 181000 |
| | | Thermal | Input Power kW | 199 | 246 | 281 | 368 | 521 | 1250 | 1540 | 2650 | 3270 | 4270 | 4770 |
| | | Fan & Coil | Output Torque Nm | 8600 | 10800 | 12400 | 16200 | 23000 | 55700 | 66900 | 117000 | 143000 | 189000 | 212000 |
| 3.73 | 194. | Thermal with fan | Input Power kW | 83.1 | 113 | 133 | 207 | 325 | 392 | 570 | 682 | 1060 | 1350 | 1780 |
| | | | Output Torque Nm | 4030 | 5480 | 6510 | 10200 | 15900 | 18800 | 27700 | 33200 | 52300 | 66900 | 87800 |
| | | Thermal with coil | Input Power kW | 107 | 134 | 140 | 225 | 295 | 951 | 1140 | 2170 | 2540 | 3500 | 3960 |
| | | | Output Torque Nm | 5200 | 6520 | 6820 | 11100 | 14400 | 45700 | 55300 | 106000 | 125000 | 173000 | 195000 |
| | | Thermal | Input Power kW | 191 | 236 | 270 | 356 | 505 | 1200 | 1490 | 2540 | 3200 | 4220 | 4670 |
| | | Fan & Coil | Output Torque Nm | 9260 | 11500 | 13200 | 17600 | 24700 | 57500 | 72100 | 124000 | 157000 | 209000 | 230000 |
| 4.13 | 175. | Thermal with fan | Input Power kW | 81.9 | 111 | 131 | 204 | 320 | 386 | 562 | 672 | 1050 | 1330 | 1760 |
| | | | Output Torque Nm | 4370 | 6020 | 7010 | 11000 | 17400 | 20800 | 29500 | 36200 | 56100 | 72100 | 94200 |
| | | Thermal with coil | Input Power kW | 103 | 129 | 134 | 218 | 286 | 913 | 1100 | 2090 | 2490 | 3460 | 3870 |
| | | | Output Torque Nm | 5480 | 6970 | 7150 | 11700 | 15600 | 49200 | 57700 | 113000 | 133000 | 187000 | 208000 |
| | | Thermal | Input Power kW | 184 | 229 | 261 | 345 | 491 | 1150 | 1440 | 2450 | 3140 | 4190 | 4580 |
| | | Fan & Coil | Output Torque Nm | 9830 | 12400 | 14000 | 18600 | 26800 | 62300 | 75600 | 132000 | 168000 | 227000 | 246000 |
| 4.57 | 158. | Thermal with fan | Input Power kW | 80.8 | 110 | 130 | 201 | 316 | 381 | 554 | 663 | 1030 | 1310 | 1730 |
| | | | Output Torque Nm | 4770 | 6490 | 7550 | 11900 | 18400 | 22900 | 32700 | 39700 | 62500 | 79300 | 101000 |
| | | Thermal with coil | Input Power kW | 99.2 | 124 | 130 | 212 | 280 | 884 | 1060 | 2020 | 2440 | 3440 | 3800 |
| | | | Output Torque Nm | 5870 | 7350 | 7560 | 12500 | 16300 | 53300 | 62900 | 121000 | 147000 | 208000 | 223000 |
| | | Thermal | Input Power kW | 179 | 222 | 254 | 337 | 480 | 1120 | 1400 | 2370 | 3080 | 4170 | 4500 |
| | | Fan & Coil | Output Torque Nm | 10600 | 13100 | 14800 | 19900 | 28000 | 67500 | 82600 | 142000 | 187000 | 252000 | 264000 |
| 5.06 | 143. | Thermal with fan | Input Power kW | 79.8 | 108 | 128 | 199 | 312 | 376 | 547 | 655 | 1020 | 1300 | 1710 |
| | | | Output Torque Nm | 5240 | 7110 | 8480 | 13000 | 20500 | 24700 | 35900 | 43000 | 67000 | 85300 | 113000 |
| | | Thermal with coil | Input Power kW | 96.1 | 121 | 126 | 207 | 276 | 859 | 1040 | 1950 | 2400 | 3430 | 3750 |
| | | | Output Torque Nm | 6300 | 7910 | 8350 | 13600 | 18100 | 56300 | 68100 | 128000 | 157000 | 225000 | 247000 |
| | | Thermal | Input Power kW | 174 | 216 | 247 | 329 | 469 | 1090 | 1360 | 2300 | 3040 | 4140 | 4440 |
| | | Fan & Coil | Output Torque Nm | 11400 | 14200 | 16400 | 21500 | 30800 | 71400 | 89300 | 151000 | 199000 | 272000 | 292000 |

Note: Cooling coils cannot be fitted to vertical units

H2 RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.60 | 312. | Mechanical | Input Power kW | 117 | 128 | 228 | 250 | 373 | 447 | 780 | 1020 | 1480- | 1930- | 2920- |
| | | | Output Torque Nm | 3510 | 3830 | 6840 | 7460 | 11200 | 13300 | 23500 | 30900 | 44000 | 58300 | 89600 |
| | | Thermal | Input Power kW | 32.7 | 40.5 | 51.9 | 92.2 | 111 | 133 | 158 | 248 | 338 | 437 | 541 |
| | | No Fan | Output Torque Nm | 975 | 1210 | 1550 | 2750 | 3350 | 3950 | 4720 | 7460 | 10000 | 13200 | 16500 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 99 | |
| 6.20 | 282. | Mechanical | Input Power kW | 117 | 116 | 210 | 233 | 375 | 465 | 731 | 950 | 1390- | 1800- | 2710- |
| | | | Output Torque Nm | 3780 | 3830 | 6910 | 7710 | 12500 | 15500 | 24400 | 32000 | 45700 | 60500 | 91900 |
| | | Thermal | Input Power kW | 32.0 | 39.7 | 50.8 | 90.2 | 109 | 130 | 154 | 242 | 330 | 427 | 529 |
| | | No Fan | Output Torque Nm | 1030 | 1310 | 1660 | 2980 | 3630 | 4310 | 5130 | 8140 | 10800 | 14300 | 17800 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 99 | |
| 6.86 | 255. | Mechanical | Input Power kW | 104 | 105 | 178 | 233 | 365 | 443 | 676 | 880 | 1260- | 1680- | 2260- |
| | | | Output Torque Nm | 3770 | 3840 | 6490 | 8520 | 13300 | 16500 | 24800 | 33000 | 45900 | 62300 | 83100 |
| | | Thermal | Input Power kW | 31.2 | 38.7 | 49.6 | 88.1 | 106 | 127 | 151 | 237 | 323 | 417 | 517 |
| | | No Fan | Output Torque Nm | 1120 | 1410 | 1800 | 3220 | 3850 | 4700 | 5500 | 8840 | 11700 | 15400 | 18900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | |
| 7.59 | 230. | Mechanical | Input Power kW | 93.7 | 94.2 | 165 | 237 | 341 | 421 | 616 | 846 | 1140 | 1590- | 2110- |
| | | | Output Torque Nm | 3780 | 3840 | 6720 | 9530 | 13700 | 17000 | 24900 | 34400 | 46400 | 64800 | 86400 |
| | | Thermal | Input Power kW | 30.4 | 37.8 | 48.3 | 85.9 | 104 | 124 | 147 | 231 | 315 | 407 | 504 |
| | | No Fan | Output Torque Nm | 1220 | 1530 | 1960 | 3450 | 4150 | 4980 | 5920 | 9360 | 12700 | 16500 | 20500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 99 | |
| 8.40 | 208. | Mechanical | Input Power kW | 89.2 | 86.7 | 157 | 220 | 306 | 348 | 521 | 648 | 953- | 1230- | 1720- |
| | | | Output Torque Nm | 3950 | 3840 | 7010 | 9850 | 13800 | 16000 | 23100 | 29600 | 42300 | 56000 | 78300 |
| | | Thermal | Input Power kW | 29.6 | 36.8 | 47.1 | 83.7 | 101 | 121 | 143 | 225 | 307 | 397 | 491 |
| | | No Fan | Output Torque Nm | 1310 | 1620 | 2100 | 3750 | 4540 | 5540 | 6330 | 10200 | 13600 | 17900 | 22300 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | |
| 9.30 | 188. | Mechanical | Input Power kW | 76.3 | 76.8 | 149 | 209 | 282 | 337 | 480 | 628 | 873 | 1170- | 1620- |
| | | | Output Torque Nm | 3780 | 3840 | 7350 | 10300 | 14000 | 16900 | 23500 | 31100 | 43300 | 58600 | 81900 |
| | | Thermal | Input Power kW | 28.9 | 35.8 | 45.8 | 81.5 | 98.5 | 117 | 139 | 219 | 299 | 386 | 478 |
| | | No Fan | Output Torque Nm | 1430 | 1790 | 2260 | 4010 | 4880 | 5860 | 6800 | 10800 | 14800 | 19200 | 24100 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | |
| 10.3 | 170. | Mechanical | Input Power kW | 69.0 | 69.3 | 151 | 170 | 236 | 306 | 393 | 551 | 728 | 955- | 1350- |
| | | | Output Torque Nm | 3790 | 3840 | 8290 | 9410 | 13000 | 16400 | 21600 | 30100 | 40600 | 53400 | 75700 |
| | | Thermal | Input Power kW | 28.1 | 34.9 | 44.5 | 79.4 | 95.8 | 114 | 136 | 213 | 291 | 376 | 465 |
| | | No Fan | Output Torque Nm | 1540 | 1930 | 2440 | 4390 | 5280 | 6130 | 7420 | 11600 | 16200 | 21000 | 26100 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | |
| 11.4 | 153. | Mechanical | Input Power kW | 62.9 | 62.9 | 124 | 184 | 251 | 294 | 427 | 545 | 782 | 1040 | 1450- |
| | | | Output Torque Nm | 3790 | 3840 | 7540 | 11000 | 15300 | 18200 | 25600 | 33500 | 48100 | 62700 | 89500 |
| | | Thermal | Input Power kW | 27.3 | 33.9 | 43.3 | 77.2 | 93.2 | 111 | 132 | 207 | 283 | 366 | 452 |
| | | No Fan | Output Torque Nm | 1640 | 2070 | 2630 | 4610 | 5670 | 6870 | 7880 | 12700 | 17300 | 22000 | 27900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | |
| 12.6 | 138. | Mechanical | Input Power kW | 57.4 | 56.8 | 132 | 170 | 244 | 279 | 409 | 524 | 751 | 994 | 1370 |
| | | | Output Torque Nm | 3800 | 3840 | 8770 | 11400 | 16400 | 19100 | 27400 | 35600 | 49600 | 67200 | 93300 |
| | | Thermal | Input Power kW | 26.6 | 33.0 | 42.2 | 75.2 | 90.8 | 108 | 129 | 202 | 275 | 356 | 441 |
| | | No Fan | Output Torque Nm | 1760 | 2230 | 2810 | 5030 | 6110 | 7410 | 8610 | 13700 | 18100 | 24000 | 29900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 14.0 | 125. | Mechanical | Input Power kW | 50.6 | 51.5 | 102 | 139 | 205 | 254 | 337 | 463 | 630 | 816 | 1150 |
| | | | Output Torque Nm | 3790 | 3840 | 7550 | 10500 | 15300 | 18800 | 25400 | 34700 | 46800 | 61900 | 87000 |
| | | Thermal | Input Power kW | 26.0 | 32.3 | 41.2 | 73.4 | 88.7 | 106 | 126 | 197 | 269 | 348 | 431 |
| | | No Fan | Output Torque Nm | 1940 | 2410 | 3030 | 5510 | 6620 | 7780 | 9430 | 14700 | 19900 | 26300 | 32500 |
| | | | Efficiency % | 97 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | |
| 15.4 | 113. | Mechanical | Input Power kW | 46.8 | 47.2 | 104 | 139 | 211 | 254 | 366 | 472 | 667 | 893 | 1230 |
| | | | Output Torque Nm | 3790 | 3840 | 8360 | 11300 | 17300 | 20800 | 29400 | 38100 | 55000 | 73300 | 103000 |
| | | Thermal | Input Power kW | 25.5 | 31.6 | 40.4 | 71.9 | 86.9 | 104 | 123 | 193 | 263 | 341 | 422 |
| | | No Fan | Output Torque Nm | 2060 | 2570 | 3250 | 5870 | 7120 | 8460 | 9870 | 15600 | 21700 | 27900 | 35200 |
| | | | Efficiency % | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 17.1 | 102. | Mechanical | Input Power kW | 39.8 | 42.4 | 92.4 | 114 | 182 | 232 | 305 | 419 | 562 | 736 | 1040 |
| | | | Output Torque Nm | 3580 | 3850 | 8360 | 10500 | 16600 | 20400 | 27500 | 37300 | 52200 | 67800 | 96200 |
| | | Thermal | Input Power kW | 25.1 | 31.1 | 39.8 | 70.9 | 85.6 | 102 | 121 | 190 | 259 | 336 | 415 |
| | | No Fan | Output Torque Nm | 2260 | 2820 | 3600 | 6490 | 7780 | 8970 | 10900 | 16900 | 24100 | 30900 | 38500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 18.9 | 92. | Mechanical | Input Power kW | 39.0 | 38.3 | 85.4 | 103 | 163 | 209 | 291 | 397 | 536 | 692 | 981 |
| | | | Output Torque Nm | 3860 | 3850 | 8360 | 10500 | 16500 | 20900 | 29100 | 39700 | 54200 | 70600 | 99700 |
| | | Thermal | Input Power kW | 24.7 | 30.7 | 39.2 | 69.9 | 84.4 | 101 | 119 | 188 | 256 | 331 | 409 |
| | | No Fan | Output Torque Nm | 2450 | 3080 | 3840 | 7100 | 8510 | 10100 | 11900 | 18800 | 25800 | 33700 | 41500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |

ITALICS- Case Baffle is fitted

H2 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 20.9 | 83. | Mechanical | Input Power kW | 32.3 | 35.1 | 75.5 | 82.9 | 129 | 145 | 243 | 311 | 427 | 576 | 827 |
| | | | Output Torque Nm | 3540 | 3850 | 8070 | 9090 | 14000 | 16000 | 26700 | 34100 | 48900 | 64700 | 91100 |
| | | Thermal | Input Power kW | 24.4 | 30.3 | 38.7 | 68.9 | 83.2 | 99.2 | 118 | 185 | 252 | 326 | 404 |
| | | No Fan | Output Torque Nm | 2670 | 3320 | 4130 | 7560 | 9000 | 10900 | 12900 | 20300 | 28900 | 36600 | 44400 |
| 23.2 | 75. | Mechanical | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | | Input Power kW | 28.8 | 31.6 | 67.8 | 74.7 | 116 | 128 | 232 | 277 | 392 | 544 | 755 |
| | | Thermal | Output Torque Nm | 3540 | 3850 | 8140 | 9100 | 14000 | 16000 | 28200 | 34100 | 48900 | 67700 | 91100 |
| | | No Fan | Input Power kW | 24.0 | 29.9 | 38.2 | 68.0 | 82.1 | 97.9 | 116 | 183 | 249 | 322 | 398 |
| 25.6 | 68. | Mechanical | Output Torque Nm | 2960 | 3630 | 4580 | 8280 | 9860 | 12300 | 14100 | 22500 | 31000 | 40000 | 48000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 |
| | | Thermal | Input Power kW | 21.8 | 28.5 | 42.6 | 62.0 | 93.9 | 120 | 186 | 284 | 358 | 499 | 709 |
| | | No Fan | Output Torque Nm | 2980 | 3850 | 5810 | 8370 | 12700 | 16400 | 25100 | 38400 | 48400 | 67700 | 96200 |
| | | Mechanical | Input Power kW | 23.8 | 29.6 | 37.8 | 67.4 | 81.4 | 97.0 | 115 | 181 | 247 | 319 | 395 |
| | | | Output Torque Nm | 3260 | 4000 | 5160 | 9110 | 11000 | 13200 | 15500 | 24400 | 33300 | 43200 | 53500 |
| | | Thermal | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |

H2 THERMAL RATINGS AT 1750 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.60 | 312. | Thermal | Input Power kW | 92.6 | 116 | 153 | 157 | 214 | 305 | 422 | 551 | 837- | 1180- | 1580- |
| | | | Output Torque Nm | 2770 | 3470 | 4600 | 4690 | 6460 | 9090 | 12700 | 16600 | 24900 | 35700 | 48600 |
| | | Thermal | Input Power kW | 137 | 147 | 167 | 187 | 204 | 480 | 537 | 1230 | 1460 | 2110 | 2440 |
| | | with coil | Output Torque Nm | 4110 | 4410 | 5000 | 5580 | 6150 | 14300 | 16100 | 37300 | 43500 | 63800 | 74700 |
| 6.20 | 282. | Thermal | Input Power kW | 244 | 263 | 298 | 298 | 357 | 730 | 894 | 1720 | 2170 | 3100 | 3580 |
| | | Fan & Coil | Output Torque Nm | 7320 | 7900 | 8960 | 8890 | 10800 | 21800 | 26900 | 52200 | 64600 | 93800 | 110000 |
| | | Thermal | Input Power kW | 90.6 | 113 | 150 | 154 | 210 | 298 | 413 | 539 | 819- | 1160- | 1550- |
| | | with fan | Output Torque Nm | 2930 | 3750 | 4950 | 5100 | 7010 | 9910 | 13800 | 18200 | 27000 | 38800 | 52500 |
| 6.86 | 255. | Thermal | Input Power kW | 136 | 145 | 165 | 184 | 201 | 467 | 519 | 1190 | 1400 | 2030 | 2340 |
| | | with coil | Output Torque Nm | 4380 | 4810 | 5420 | 6090 | 6710 | 15500 | 17300 | 40000 | 46300 | 68300 | 79400 |
| | | Thermal | Input Power kW | 240 | 259 | 293 | 292 | 349 | 702 | 859 | 1650 | 2080 | 2990 | 3480 |
| | | Fan & Coil | Output Torque Nm | 7770 | 8580 | 9660 | 9680 | 11700 | 23400 | 28700 | 55600 | 68700 | 100000 | 118000 |
| 7.59 | 230. | Thermal | Input Power kW | 88.5 | 111 | 147 | 150 | 205 | 291 | 403 | 527 | 800- | 1130- | 1520- |
| | | with fan | Output Torque Nm | 3200 | 4040 | 5350 | 5500 | 7440 | 10800 | 14800 | 19700 | 29100 | 41900 | 55800 |
| | | Thermal | Input Power kW | 134 | 143 | 162 | 180 | 198 | 452 | 500 | 1140 | 1350 | 1960 | 2250 |
| | | with coil | Output Torque Nm | 4840 | 5240 | 5920 | 6600 | 7170 | 16800 | 18400 | 42700 | 49200 | 72600 | 82800 |
| 8.40 | 208. | Thermal | Input Power kW | 236 | 254 | 287 | 286 | 340 | 675 | 823 | 1570 | 2000 | 2880 | 3380 |
| | | Fan & Coil | Output Torque Nm | 8550 | 9300 | 10500 | 10500 | 12400 | 25100 | 30200 | 59000 | 72700 | 107000 | 124000 |
| | | Thermal | Input Power kW | 86.3 | 108 | 143 | 147 | 200 | 284 | 393 | 513 | 780 | 1100- | 1480- |
| | | with fan | Output Torque Nm | 3480 | 4400 | 5820 | 5900 | 8010 | 11500 | 15900 | 20900 | 31700 | 44900 | 60400 |
| 9.30 | 188. | Thermal | Input Power kW | 132 | 141 | 160 | 177 | 194 | 438 | 482 | 1090 | 1300 | 1880 | 2150 |
| | | with coil | Output Torque Nm | 5320 | 5760 | 6500 | 7110 | 7780 | 17700 | 19500 | 44400 | 52700 | 76700 | 88100 |
| | | Thermal | Input Power kW | 232 | 249 | 281 | 279 | 331 | 647 | 788 | 1500 | 1910 | 2760 | 3270 |
| | | Fan & Coil | Output Torque Nm | 9340 | 10200 | 11400 | 11200 | 13300 | 26100 | 31900 | 61000 | 77800 | 113000 | 134000 |
| | | Thermal | Input Power kW | 84.0 | 105 | 139 | 143 | 195 | 276 | 382 | 500 | 759- | 1070- | 1440- |
| | | with fan | Output Torque Nm | 3720 | 4650 | 6220 | 6400 | 8760 | 12700 | 17000 | 22800 | 33700 | 48600 | 65600 |
| | | Thermal | Input Power kW | 130 | 139 | 157 | 173 | 191 | 423 | 463 | 1040 | 1240 | 1800 | 2060 |
| | | with coil | Output Torque Nm | 5760 | 6170 | 7040 | 7760 | 8580 | 19500 | 20500 | 47700 | 55200 | 81900 | 93900 |
| | | Thermal | Input Power kW | 227 | 244 | 274 | 272 | 322 | 618 | 753 | 1420 | 1830 | 2650 | 3160 |
| | | Fan & Coil | Output Torque Nm | 10000 | 10800 | 12200 | 12200 | 14500 | 28500 | 33400 | 65100 | 81200 | 120000 | 144000 |
| | | Thermal | Input Power kW | 81.5 | 102 | 135 | 138 | 189 | 268 | 371 | 485 | 737 | 1040- | 1400- |
| | | with fan | Output Torque Nm | 4040 | 5090 | 6680 | 6820 | 9380 | 13400 | 18100 | 24000 | 36500 | 51900 | 70700 |
| | | Thermal | Input Power kW | 128 | 137 | 155 | 169 | 187 | 408 | 444 | 996 | 1190 | 1720 | 1960 |
| | | with coil | Output Torque Nm | 6350 | 6850 | 7660 | 8350 | 9300 | 20400 | 21700 | 49400 | 58900 | 86000 | 99500 |
| | | Thermal | Input Power kW | 222 | 238 | 267 | 265 | 312 | 590 | 717 | 1350 | 1740 | 2530 | 3040 |
| | | Fan & Coil | Output Torque Nm | 11000 | 11900 | 13200 | 13100 | 15500 | 29500 | 35100 | 67000 | 86500 | 126000 | 154000 |

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H2 THERMAL RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 10.3 | 170. | Thermal with fan | Input Power kW | 79.0 | 98.7 | 131 | 134 | 183 | 260 | 360 | 470 | 714 | 1010- | 1350- |
| | | | Output Torque Nm | 4330 | 5480 | 7190 | 7430 | 10100 | 14000 | 19700 | 25600 | 39900 | 56400 | 76100 |
| | | Thermal with coil | Input Power kW | 126 | 135 | 152 | 165 | 183 | 392 | 425 | 948 | 1130 | 1650 | 1870 |
| | | | Output Torque Nm | 6920 | 7480 | 8360 | 9160 | 10100 | 21100 | 23300 | 51800 | 63300 | 92100 | 105000 |
| | | Fan & Coil | Input Power kW | 216 | 232 | 259 | 257 | 301 | 562 | 683 | 1280 | 1660 | 2420 | 2930 |
| 11.4 | 153. | Thermal with fan | Input Power kW | 76.4 | 95.6 | 127 | 130 | 177 | 252 | 348 | 455 | 691 | 976 | 1310- |
| | | | Output Torque Nm | 4610 | 5840 | 7700 | 7760 | 10800 | 15600 | 20800 | 27900 | 42500 | 58900 | 80900 |
| | | Thermal with coil | Input Power kW | 124 | 132 | 149 | 161 | 180 | 377 | 406 | 901 | 1080 | 1570 | 1770 |
| | | | Output Torque Nm | 7470 | 8090 | 9090 | 9640 | 10900 | 23300 | 24300 | 55300 | 66300 | 94600 | 110000 |
| | | Thermal Fan & Coil | Input Power kW | 211 | 226 | 252 | 249 | 291 | 535 | 649 | 1210 | 1580 | 2300 | 2810 |
| 12.6 | 138. | Thermal with fan | Input Power kW | 74.0 | 92.5 | 123 | 126 | 172 | 244 | 337 | 441 | 669 | 945 | 1270 |
| | | | Output Torque Nm | 4910 | 6260 | 8180 | 8410 | 11500 | 16700 | 22600 | 30000 | 44200 | 63900 | 86300 |
| | | Thermal with coil | Input Power kW | 122 | 130 | 147 | 157 | 176 | 361 | 387 | 855 | 1030 | 1490 | 1680 |
| | | | Output Torque Nm | 8070 | 8790 | 9770 | 10500 | 11900 | 24800 | 26000 | 58200 | 67700 | 101000 | 115000 |
| | | Thermal Fan & Coil | Input Power kW | 205 | 220 | 244 | 242 | 281 | 508 | 616 | 1140 | 1500 | 2190 | 2700 |
| 14.0 | 125. | Thermal with fan | Input Power kW | 71.8 | 89.8 | 119 | 122 | 166 | 236 | 327 | 427 | 650 | 917 | 1230 |
| | | | Output Torque Nm | 5390 | 6720 | 8790 | 9170 | 12400 | 17400 | 24600 | 32000 | 48300 | 69600 | 93000 |
| | | Thermal with coil | Input Power kW | 119 | 128 | 144 | 153 | 173 | 346 | 369 | 811 | 975 | 1420 | 1600 |
| | | | Output Torque Nm | 8950 | 9540 | 10600 | 11500 | 12900 | 25500 | 27800 | 60800 | 72500 | 108000 | 121000 |
| | | Thermal Fan & Coil | Input Power kW | 200 | 214 | 237 | 234 | 271 | 483 | 586 | 1080 | 1420 | 2080 | 2580 |
| 15.4 | 113. | Thermal with fan | Input Power kW | 69.9 | 87.3 | 116 | 119 | 162 | 230 | 318 | 416 | 632 | 892 | 1200 |
| | | | Output Torque Nm | 5660 | 7120 | 9330 | 9680 | 13300 | 18800 | 25600 | 33600 | 52100 | 73200 | 100000 |
| | | Thermal with coil | Input Power kW | 117 | 125 | 141 | 150 | 170 | 331 | 352 | 768 | 926 | 1350 | 1510 |
| | | | Output Torque Nm | 9500 | 10200 | 11400 | 12200 | 13900 | 27100 | 28300 | 62100 | 76400 | 110000 | 126000 |
| | | Thermal Fan & Coil | Input Power kW | 194 | 208 | 230 | 227 | 262 | 459 | 558 | 1020 | 1350 | 1980 | 2480 |
| 17.1 | 102. | Thermal with fan | Input Power kW | 68.2 | 85.2 | 113 | 116 | 158 | 224 | 310 | 406 | 616 | 870 | 1170 |
| | | | Output Torque Nm | 6140 | 7740 | 10200 | 10600 | 14400 | 19700 | 28000 | 36100 | 57300 | 80100 | 108000 |
| | | Thermal with coil | Input Power kW | 115 | 123 | 139 | 147 | 167 | 318 | 336 | 728 | 879 | 1280 | 1430 |
| | | | Output Torque Nm | 10400 | 11200 | 12500 | 13400 | 15200 | 27900 | 30300 | 64800 | 81700 | 118000 | 133000 |
| | | Thermal Fan & Coil | Input Power kW | 189 | 202 | 223 | 220 | 253 | 437 | 532 | 963 | 1280 | 1880 | 2370 |
| 18.9 | 92. | Thermal with fan | Input Power kW | 66.8 | 83.5 | 111 | 113 | 155 | 220 | 304 | 398 | 604 | 853 | 1140 |
| | | | Output Torque Nm | 6620 | 8400 | 10900 | 11500 | 15600 | 22000 | 30500 | 39800 | 61100 | 87000 | 116000 |
| | | Thermal with coil | Input Power kW | 113 | 120 | 136 | 143 | 164 | 304 | 321 | 689 | 835 | 1210 | 1360 |
| | | | Output Torque Nm | 11200 | 12100 | 13300 | 14600 | 16600 | 30400 | 32100 | 69000 | 84400 | 124000 | 138000 |
| | | Thermal Fan & Coil | Input Power kW | 184 | 197 | 217 | 214 | 245 | 417 | 508 | 912 | 1220 | 1800 | 2280 |
| 20.9 | 83. | Thermal with fan | Input Power kW | 65.8 | 82.2 | 109 | 112 | 152 | 217 | 300 | 391 | 595 | 840 | 1130 |
| | | | Output Torque Nm | 7220 | 9030 | 11700 | 12300 | 16500 | 23900 | 32900 | 42900 | 68200 | 94300 | 124000 |
| | | Thermal with coil | Input Power kW | 110 | 118 | 133 | 140 | 161 | 290 | 306 | 651 | 792 | 1150 | 1290 |
| | | | Output Torque Nm | 12100 | 12900 | 14200 | 15300 | 17500 | 32100 | 33600 | 71400 | 90700 | 129000 | 142000 |
| | | Thermal Fan & Coil | Input Power kW | 179 | 191 | 211 | 208 | 238 | 399 | 487 | 865 | 1170 | 1720 | 2190 |
| 23.2 | 75. | Thermal with fan | Input Power kW | 65.0 | 81.3 | 108 | 110 | 151 | 214 | 296 | 387 | 588 | 830 | 1110 |
| | | | Output Torque Nm | 8010 | 9900 | 13000 | 13400 | 18100 | 26800 | 36100 | 47700 | 73300 | 103000 | 134000 |
| | | Thermal with coil | Input Power kW | 108 | 115 | 130 | 136 | 158 | 277 | 291 | 616 | 751 | 1090 | 1220 |
| | | | Output Torque Nm | 13300 | 14000 | 15600 | 16600 | 19000 | 34800 | 35500 | 75900 | 93600 | 135000 | 147000 |
| | | Thermal Fan & Coil | Input Power kW | 174 | 186 | 206 | 202 | 232 | 382 | 469 | 823 | 1110 | 1640 | 2110 |
| 25.6 | 68. | Thermal with fan | Input Power kW | 64.5 | 80.6 | 107 | 109 | 149 | 212 | 294 | 384 | 583 | 823 | 1100 |
| | | | Output Torque Nm | 8820 | 10900 | 14600 | 14800 | 20200 | 29000 | 39700 | 51900 | 78900 | 112000 | 150000 |
| | | Thermal with coil | Input Power kW | 105 | 113 | 127 | 133 | 156 | 265 | 278 | 582 | 712 | 1030 | 1150 |
| | | | Output Torque Nm | 14400 | 15200 | 17400 | 18000 | 21100 | 36200 | 37600 | 78800 | 96400 | 140000 | 156000 |
| | | Thermal Fan & Coil | Input Power kW | 170 | 182 | 201 | 197 | 226 | 368 | 452 | 784 | 1070 | 1570 | 2040 |
| | | Thermal with fan | Input Power kW | 23200 | 24600 | 27400 | 26600 | 30500 | 50200 | 61200 | 106000 | 145000 | 213000 | 277000 |

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H2 RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|--------------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 5.60 | 258. | Mechanical | Input Power kW | 97.5 | 106 | 200 | 207 | 309 | 370 | 684 | 894 | 1260 | 1690- 2560- |
| | | | Output Torque Nm | 3530 | 3830 | 7240 | 7460 | 11200 | 13300 | 24800 | 32600 | 45400 | 61700 94800 |
| | | Thermal | Input Power kW | 31.7 | 39.3 | 50.3 | 89.4 | 108 | 129 | 153 | 240 | 328 | 424 525 |
| | | No Fan | Output Torque Nm | 1140 | 1420 | 1810 | 3220 | 3920 | 4620 | 5520 | 8730 | 11700 | 15400 19300 |
| 6.20 | 233. | Mechanical | Efficiency % | 98 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 99 99 |
| | | | Input Power kW | 97.7 | 95.9 | 191 | 193 | 324 | 408 | 641 | 834 | 1180 | 1580 2380- |
| | | | Output Torque Nm | 3810 | 3830 | 7620 | 7720 | 13100 | 16400 | 25800 | 33900 | 47000 | 64000 97200 |
| | | Thermal | Input Power kW | 31.0 | 38.4 | 49.2 | 87.5 | 106 | 126 | 150 | 235 | 320 | 414 513 |
| 6.86 | 211. | No Fan | Output Torque Nm | 1200 | 1530 | 1950 | 3500 | 4250 | 5040 | 6000 | 9520 | 12700 | 16700 20900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 98 98 |
| | | Mechanical | Input Power kW | 86.5 | 87.1 | 165 | 193 | 320 | 388 | 602 | 780 | 1140 | 1520 2090- |
| | | | Output Torque Nm | 3780 | 3840 | 7270 | 8520 | 14000 | 17400 | 26600 | 35300 | 49900 | 67900 93000 |
| 7.59 | 190. | Thermal | Input Power kW | 30.3 | 37.6 | 48.0 | 85.4 | 103 | 123 | 146 | 229 | 313 | 405 501 |
| | | No Fan | Output Torque Nm | 1320 | 1650 | 2110 | 3770 | 4510 | 5500 | 6430 | 10300 | 13700 | 18000 22200 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 99 99 |
| | | Mechanical | Input Power kW | 77.8 | 78.0 | 153 | 207 | 294 | 369 | 562 | 742 | 1050 | 1430 1960 |
| 7.59 | 190. | | Output Torque Nm | 3780 | 3840 | 7520 | 10100 | 14200 | 18000 | 27400 | 36400 | 51700 | 70300 96600 |
| | | Thermal | Input Power kW | 29.5 | 36.6 | 46.8 | 83.3 | 101 | 120 | 142 | 224 | 305 | 395 488 |
| | | No Fan | Output Torque Nm | 1430 | 1800 | 2290 | 4040 | 4860 | 5830 | 6920 | 10900 | 14900 | 19300 24000 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 98 | 97 | 98 | 99 | 98 98 |
| 8.40 | 172. | Mechanical | Input Power kW | 74.0 | 71.8 | 140 | 193 | 284 | 323 | 483 | 602 | 884 | 1150 1590- |
| | | | Output Torque Nm | 3950 | 3840 | 7540 | 10400 | 15400 | 18000 | 25800 | 33100 | 47300 | 62700 87600 |
| | | Thermal | Input Power kW | 28.7 | 35.7 | 45.6 | 81.2 | 98.1 | 117 | 139 | 218 | 297 | 385 476 |
| | | No Fan | Output Torque Nm | 1530 | 1900 | 2450 | 4390 | 5320 | 6480 | 7400 | 12000 | 15900 | 21000 26100 |
| 9.30 | 155. | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 98 |
| | | Mechanical | Input Power kW | 63.3 | 63.6 | 126 | 183 | 261 | 313 | 445 | 582 | 810 | 1090 1500 |
| | | | Output Torque Nm | 3790 | 3840 | 7540 | 10900 | 15700 | 18900 | 26300 | 34800 | 48400 | 65500 91600 |
| | | Thermal | Input Power kW | 28.0 | 34.7 | 44.4 | 79.1 | 95.5 | 114 | 135 | 212 | 290 | 375 464 |
| 9.30 | 155. | No Fan | Output Torque Nm | 1670 | 2090 | 2640 | 4700 | 5720 | 6850 | 7950 | 12700 | 17300 | 22500 28300 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 98 |
| 10.3 | 140. | Mechanical | Input Power kW | 57.2 | 57.4 | 133 | 156 | 219 | 284 | 365 | 511 | 675 | 886 1250 |
| | | | Output Torque Nm | 3790 | 3840 | 8800 | 10400 | 14600 | 18400 | 24100 | 33600 | 45400 | 59800 84700 |
| | | Thermal | Input Power kW | 27.2 | 33.8 | 43.2 | 77.0 | 93.0 | 111 | 132 | 207 | 282 | 365 451 |
| | | No Fan | Output Torque Nm | 1800 | 2260 | 2860 | 5140 | 6180 | 7180 | 8680 | 13600 | 18900 | 24500 30500 |
| 11.4 | 127. | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 98 |
| | | Mechanical | Input Power kW | 52.1 | 52.1 | 103 | 161 | 232 | 272 | 396 | 506 | 726 | 964 1340 |
| | | | Output Torque Nm | 3790 | 3840 | 7550 | 11600 | 17100 | 20400 | 28600 | 37400 | 53800 | 70100 100000 |
| | | Thermal | Input Power kW | 26.5 | 32.9 | 42.0 | 74.9 | 90.4 | 108 | 128 | 201 | 274 | 355 439 |
| 12.6 | 115. | No Fan | Output Torque Nm | 1920 | 2420 | 3080 | 5400 | 6640 | 8050 | 9220 | 14800 | 20300 | 25700 32600 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 98 |
| | | Mechanical | Input Power kW | 48.2 | 47.1 | 109 | 149 | 218 | 256 | 379 | 483 | 698 | 923 1270 |
| | | | Output Torque Nm | 3850 | 3840 | 8790 | 12100 | 17700 | 21200 | 30700 | 39600 | 55500 | 75200 104000 |
| 12.6 | 115. | Thermal | Input Power kW | 25.8 | 32.0 | 40.9 | 72.9 | 88.1 | 105 | 125 | 196 | 267 | 345 427 |
| | | No Fan | Output Torque Nm | 2060 | 2610 | 3290 | 5890 | 7150 | 8680 | 10100 | 16000 | 21200 | 28100 35000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 98 |
| | | Mechanical | Input Power kW | 42.0 | 42.6 | 84.9 | 115 | 184 | 236 | 312 | 430 | 585 | 757 1070 |
| 14.0 | 103. | | Output Torque Nm | 3800 | 3840 | 7560 | 10500 | 16600 | 21000 | 28400 | 38800 | 52400 | 69200 97300 |
| | | Thermal | Input Power kW | 25.2 | 31.3 | 40.0 | 71.3 | 86.1 | 103 | 122 | 191 | 261 | 337 418 |
| | | No Fan | Output Torque Nm | 2280 | 2820 | 3560 | 6460 | 7760 | 9120 | 11000 | 17300 | 23300 | 30800 38000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 97 |
| 15.4 | 93. | Mechanical | Input Power kW | 38.8 | 39.1 | 86.0 | 115 | 174 | 227 | 304 | 407 | 619 | 829 1140 |
| | | | Output Torque Nm | 3800 | 3840 | 8360 | 11300 | 17200 | 22500 | 29500 | 39700 | 61600 | 82000 115000 |
| | | Thermal | Input Power kW | 24.7 | 30.7 | 39.2 | 69.8 | 84.3 | 101 | 119 | 187 | 256 | 331 409 |
| | | No Fan | Output Torque Nm | 2410 | 3010 | 3810 | 6880 | 8340 | 9920 | 11600 | 18300 | 25400 | 32700 41200 |
| 15.4 | 93. | | Efficiency % | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 | 97 | 97 98 |
| | | Mechanical | Input Power kW | 33.1 | 35.1 | 76.6 | 94.7 | 151 | 215 | 283 | 389 | 522 | 684 963 |
| | | | Output Torque Nm | 3600 | 3850 | 8370 | 10500 | 16600 | 22900 | 30800 | 41700 | 58400 | 75800 108000 |
| | | Thermal | Input Power kW | 24.3 | 30.2 | 38.6 | 68.8 | 83.1 | 99.0 | 118 | 185 | 252 | 326 403 |
| 17.1 | 84. | No Fan | Output Torque Nm | 2640 | 3310 | 4210 | 7610 | 9120 | 10500 | 12800 | 19800 | 28200 | 36100 45000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 98 |
| | | Mechanical | Input Power kW | 32.3 | 31.7 | 70.8 | 85.4 | 134 | 174 | 269 | 350 | 498 | 642 911 |
| | | | Output Torque Nm | 3860 | 3850 | 8370 | 10500 | 16300 | 21000 | 32600 | 42300 | 60700 | 78900 112000 |
| 18.9 | 76. | Thermal | Input Power kW | 24.0 | 29.8 | 38.1 | 67.8 | 81.9 | 97.6 | 116 | 182 | 248 | 321 397 |
| | | No Fan | Output Torque Nm | 2870 | 3610 | 4490 | 8320 | 9980 | 11800 | 14000 | 22000 | 30200 | 39400 48600 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 98 |

ITALICS- Case Baffle is fitted

H2 RATINGS AT 1450REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 20.9 | 69. | Mechanical | Input Power kW | 26.8 | 29.1 | 63.4 | 68.7 | 107 | 120 | 221 | 258 | 354 | 503 | 686 |
| | | | Output Torque Nm | 3540 | 3850 | 8190 | 9100 | 14000 | 16000 | 29200 | 34100 | 48900 | 68200 | 91100 |
| | | Thermal | Input Power kW | 23.7 | 29.4 | 37.5 | 66.9 | 80.8 | 96.3 | 114 | 180 | 245 | 317 | 392 |
| | | No Fan | Output Torque Nm | 3130 | 3890 | 4840 | 8860 | 10500 | 12800 | 15100 | 23700 | 33800 | 42800 | 52000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 23.2 | 62. | Mechanical | Input Power kW | 23.9 | 26.2 | 57.0 | 61.9 | 96.5 | 106 | 199 | 230 | 326 | 454 | 626 |
| | | | Output Torque Nm | 3550 | 3850 | 8260 | 9100 | 14000 | 16000 | 29200 | 34100 | 48900 | 68200 | 91100 |
| | | Thermal | Input Power kW | 23.3 | 29.0 | 37.0 | 66.0 | 79.7 | 95.0 | 113 | 177 | 241 | 312 | 386 |
| | | No Fan | Output Torque Nm | 3470 | 4260 | 5370 | 9700 | 11500 | 14400 | 16600 | 26300 | 36300 | 46800 | 56200 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 96 | 97 | |
| 25.6 | 56. | Mechanical | Input Power kW | 18.2 | 23.6 | 35.3 | 51.4 | 77.8 | 99.6 | 154 | 235 | 297 | 432 | 605 |
| | | | Output Torque Nm | 3000 | 3850 | 5820 | 8380 | 12700 | 16400 | 25100 | 38400 | 48400 | 70600 | 98900 |
| | | Thermal | Input Power kW | 23.1 | 28.7 | 36.7 | 65.4 | 79.0 | 94.1 | 112 | 176 | 239 | 310 | 383 |
| | | No Fan | Output Torque Nm | 3820 | 4680 | 6050 | 10700 | 12900 | 15500 | 18200 | 28600 | 39000 | 50500 | 62600 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |

H2 THERMAL RATINGS AT 1450REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 5.60 | 258. | Thermal | Input Power kW | 82.8 | 103 | 137 | 141 | 192 | 272 | 377 | 492 | 748 | 1060- | 1420- | |
| | | | Output Torque Nm | 2990 | 3740 | 4970 | 5060 | 6960 | 9790 | 13700 | 17900 | 26900 | 38500 | 52400 | |
| | | Thermal | Input Power kW | 136 | 146 | 165 | 184 | 201 | 476 | 532 | 1230 | 1450 | 2100 | 2420 | |
| | | | Output Torque Nm | 4930 | 5280 | 5980 | 6640 | 7290 | 17100 | 19300 | 44700 | 52000 | 76500 | 89500 | |
| | | Thermal | Input Power kW | 234 | 251 | 282 | 281 | 334 | 698 | 850 | 1670 | 2080 | 2980 | 3410 | |
| 6.20 | 233. | Fan & Coil | Output Torque Nm | 8490 | 9090 | 10200 | 10100 | 12100 | 25100 | 30800 | 60800 | 74700 | 109000 | 126000 | |
| | | Thermal | Input Power kW | 81.0 | 101 | 134 | 138 | 188 | 267 | 369 | 482 | 732 | 1030 | 1390- | |
| | | | Output Torque Nm | 3160 | 4050 | 5340 | 5500 | 7560 | 10700 | 14800 | 19600 | 29100 | 41800 | 56600 | |
| | | Thermal | Input Power kW | 135 | 144 | 163 | 181 | 198 | 463 | 514 | 1180 | 1390 | 2020 | 2330 | |
| | | | Output Torque Nm | 5250 | 5760 | 6480 | 7250 | 7970 | 18500 | 20700 | 47900 | 55400 | 81900 | 95100 | |
| 6.86 | 211. | Thermal | Input Power kW | 231 | 247 | 277 | 276 | 326 | 671 | 815 | 1590 | 2000 | 2870 | 3320 | |
| | | | Fan & Coil | Output Torque Nm | 9000 | 9880 | 11000 | 11000 | 13200 | 26900 | 32800 | 64700 | 79400 | 116000 | |
| | | Thermal | Input Power kW | 79.2 | 98.9 | 131 | 134 | 183 | 260 | 360 | 471 | 716 | 1010 | 1360- | |
| | | | Output Torque Nm | 3460 | 4360 | 5780 | 5940 | 8030 | 11700 | 15900 | 21300 | 31400 | 45100 | 60100 | |
| | | Thermal | Input Power kW | 133 | 142 | 161 | 178 | 194 | 449 | 496 | 1130 | 1340 | 1950 | 2230 | |
| 7.59 | 190. | | Output Torque Nm | 5810 | 6270 | 7080 | 7850 | 8510 | 20100 | 21900 | 51200 | 58800 | 87000 | 99100 | |
| | | Thermal | Input Power kW | 227 | 243 | 271 | 270 | 318 | 644 | 781 | 1520 | 1910 | 2760 | 3220 | |
| | | | Fan & Coil | Output Torque Nm | 9910 | 10700 | 12000 | 11900 | 14000 | 28900 | 34500 | 68600 | 84000 | 123000 | |
| | | Thermal | Input Power kW | 77.2 | 96.5 | 128 | 131 | 179 | 254 | 351 | 459 | 698 | 985 | 1320 | |
| | | | Output Torque Nm | 3750 | 4750 | 6280 | 6370 | 8650 | 12400 | 17100 | 22500 | 34200 | 48400 | 65200 | |
| 8.40 | 172. | Thermal | Input Power kW | 131 | 140 | 158 | 174 | 191 | 434 | 477 | 1080 | 1290 | 1870 | 2140 | |
| | | | with coil | Output Torque Nm | 6380 | 6900 | 7780 | 8460 | 9240 | 21100 | 23300 | 53200 | 63100 | 91800 | 105000 |
| | | Thermal | Input Power kW | 222 | 238 | 265 | 264 | 310 | 616 | 746 | 1440 | 1830 | 2650 | 3110 | |
| | | | Fan & Coil | Output Torque Nm | 10800 | 11700 | 13000 | 12800 | 15000 | 30000 | 36400 | 70900 | 89800 | 130000 | |
| | | Thermal | Input Power kW | 75.1 | 93.8 | 124 | 127 | 174 | 247 | 342 | 447 | 679 | 958 | 1290 | |
| 9.30 | 155. | | with fan | Output Torque Nm | 4010 | 5020 | 6720 | 6910 | 9450 | 13700 | 18300 | 24600 | 36300 | 52400 | |
| | | Thermal | Input Power kW | 129 | 138 | 156 | 170 | 188 | 419 | 459 | 1040 | 1230 | 1790 | 2040 | |
| | | | with coil | Output Torque Nm | 6910 | 7390 | 8420 | 9240 | 10200 | 23300 | 24500 | 57100 | 66000 | 98100 | |
| | | Thermal | Input Power kW | 218 | 233 | 259 | 257 | 301 | 589 | 712 | 1370 | 1750 | 2530 | 3010 | |
| | | | Fan & Coil | Output Torque Nm | 11700 | 12400 | 14000 | 13900 | 16400 | 32800 | 38100 | 75500 | 93600 | 139000 | |
| 9.30 | 155. | Thermal | Input Power kW | 72.8 | 91.0 | 121 | 124 | 169 | 240 | 332 | 433 | 659 | 930 | 1250 | |
| | | | with fan | Output Torque Nm | 4360 | 5500 | 7210 | 7370 | 10100 | 14500 | 19600 | 25900 | 39400 | 55900 | |
| | | Thermal | Input Power kW | 127 | 136 | 153 | 167 | 184 | 404 | 440 | 989 | 1180 | 1710 | 1950 | |
| | | | with coil | Output Torque Nm | 7620 | 8210 | 9160 | 9930 | 11000 | 24400 | 25900 | 59100 | 70500 | 103000 | |
| | | Thermal | Input Power kW | 213 | 227 | 252 | 250 | 292 | 562 | 678 | 1300 | 1660 | 2420 | 2900 | |
| 9.30 | 155. | | Fan & Coil | Output Torque Nm | 12800 | 13700 | 15100 | 14900 | 17500 | 33900 | 40000 | 77700 | 99600 | 146000 | |

ITALICS- Case Baffle is fitted
Note: Cooling coils cannot be fitted to vertical units

H2 THERMAL RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 10.3 | 140. | Thermal with fan | Input Power kW | 70.6 | 88.3 | 117 | 120 | 164 | 232 | 322 | 420 | 639 | 902 | 1210 |
| | | | Output Torque Nm | 4680 | 5910 | 7760 | 8020 | 10900 | 15100 | 21300 | 27600 | 43000 | 60800 | 82000 |
| | | Thermal with coil | Input Power kW | 125 | 134 | 151 | 163 | 181 | 389 | 421 | 942 | 1120 | 1630 | 1850 |
| | | | Output Torque Nm | 8300 | 8960 | 10000 | 10900 | 12000 | 25200 | 27800 | 62000 | 75700 | 110000 | 126000 |
| | | Thermal | Input Power kW | 208 | 222 | 246 | 243 | 282 | 535 | 644 | 1230 | 1580 | 2310 | 2780 |
| | | Fan & Coil | Output Torque Nm | 13800 | 14900 | 16300 | 16300 | 18800 | 34700 | 42700 | 80800 | 107000 | 156000 | 189000 |
| 11.4 | 127. | Thermal with fan | Input Power kW | 68.4 | 85.4 | 113 | 116 | 158 | 225 | 311 | 407 | 618 | 873 | 1170 |
| | | | Output Torque Nm | 4970 | 6300 | 8320 | 8370 | 11600 | 16800 | 22500 | 30100 | 45700 | 63400 | 87200 |
| | | Thermal with coil | Input Power kW | 123 | 131 | 148 | 159 | 177 | 373 | 402 | 895 | 1070 | 1560 | 1760 |
| | | | Output Torque Nm | 8960 | 9690 | 10900 | 11500 | 13000 | 27900 | 29000 | 66200 | 79200 | 113000 | 131000 |
| | | Thermal | Input Power kW | 203 | 216 | 239 | 236 | 272 | 508 | 612 | 1160 | 1500 | 2200 | 2670 |
| | | Fan & Coil | Output Torque Nm | 14800 | 15900 | 17500 | 17000 | 20000 | 38000 | 44200 | 85800 | 111000 | 160000 | 199000 |
| 12.6 | 115. | Thermal with fan | Input Power kW | 66.2 | 82.8 | 110 | 112 | 153 | 218 | 301 | 394 | 599 | 845 | 1130 |
| | | | Output Torque Nm | 5300 | 6760 | 8830 | 9080 | 12500 | 18000 | 24400 | 32300 | 47600 | 68900 | 93100 |
| | | Thermal with coil | Input Power kW | 121 | 129 | 145 | 155 | 173 | 358 | 383 | 849 | 1020 | 1480 | 1670 |
| | | | Output Torque Nm | 9670 | 10500 | 11700 | 12500 | 14100 | 29600 | 31100 | 69700 | 81000 | 121000 | 137000 |
| | | Thermal | Input Power kW | 198 | 210 | 231 | 228 | 263 | 482 | 581 | 1090 | 1430 | 2090 | 2560 |
| | | Fan & Coil | Output Torque Nm | 15800 | 17200 | 18600 | 18500 | 21400 | 40000 | 47100 | 89800 | 113000 | 170000 | 210000 |
| 14.0 | 103. | Thermal with fan | Input Power kW | 64.2 | 80.3 | 107 | 109 | 149 | 211 | 293 | 382 | 581 | 820 | 1100 |
| | | | Output Torque Nm | 5810 | 7250 | 9480 | 9900 | 13400 | 18800 | 26600 | 34500 | 52000 | 75000 | 100000 |
| | | Thermal with coil | Input Power kW | 119 | 127 | 143 | 151 | 170 | 343 | 366 | 805 | 967 | 1410 | 1580 |
| | | | Output Torque Nm | 10700 | 11400 | 12700 | 13700 | 15400 | 30500 | 33200 | 72700 | 86600 | 129000 | 144000 |
| | | Thermal | Input Power kW | 192 | 204 | 225 | 221 | 253 | 458 | 551 | 1030 | 1350 | 1980 | 2450 |
| | | Fan & Coil | Output Torque Nm | 17400 | 18400 | 20000 | 20100 | 22900 | 40800 | 50100 | 93300 | 121000 | 182000 | 224000 |
| 15.4 | 93. | Thermal with fan | Input Power kW | 62.5 | 78.1 | 104 | 106 | 145 | 206 | 285 | 372 | 565 | 798 | 1070 |
| | | | Output Torque Nm | 6110 | 7680 | 10100 | 10500 | 14300 | 20300 | 27600 | 36200 | 56200 | 78900 | 108000 |
| | | Thermal with coil | Input Power kW | 116 | 124 | 140 | 148 | 167 | 328 | 349 | 762 | 918 | 1330 | 1500 |
| | | | Output Torque Nm | 11400 | 12200 | 13600 | 14600 | 16500 | 32400 | 33800 | 74300 | 91300 | 132000 | 151000 |
| | | Thermal | Input Power kW | 187 | 199 | 218 | 214 | 245 | 435 | 524 | 974 | 1280 | 1890 | 2350 |
| | | Fan & Coil | Output Torque Nm | 18300 | 19500 | 21200 | 21100 | 24200 | 43000 | 50900 | 95000 | 128000 | 187000 | 237000 |
| 17.1 | 84. | Thermal with fan | Input Power kW | 61.0 | 76.2 | 101 | 104 | 141 | 201 | 278 | 363 | 551 | 778 | 1040 |
| | | | Output Torque Nm | 6630 | 8350 | 11000 | 11500 | 15500 | 21300 | 30200 | 38900 | 61700 | 86300 | 117000 |
| | | Thermal with coil | Input Power kW | 114 | 122 | 137 | 144 | 164 | 314 | 333 | 722 | 872 | 1270 | 1420 |
| | | | Output Torque Nm | 12400 | 13400 | 15000 | 16000 | 18100 | 33400 | 36200 | 77600 | 97700 | 141000 | 159000 |
| | | Thermal | Input Power kW | 182 | 193 | 212 | 208 | 236 | 414 | 499 | 920 | 1220 | 1790 | 2250 |
| | | Fan & Coil | Output Torque Nm | 19800 | 21200 | 23100 | 23000 | 26000 | 43900 | 54300 | 98800 | 136000 | 199000 | 252000 |
| 18.9 | 76. | Thermal with fan | Input Power kW | 59.8 | 74.7 | 99.1 | 101 | 138 | 197 | 272 | 356 | 540 | 763 | 1020 |
| | | | Output Torque Nm | 7150 | 9070 | 11700 | 12500 | 16900 | 23700 | 32900 | 43000 | 65900 | 93800 | 125000 |
| | | Thermal with coil | Input Power kW | 112 | 119 | 135 | 141 | 162 | 301 | 317 | 683 | 827 | 1200 | 1350 |
| | | | Output Torque Nm | 13400 | 14500 | 15900 | 17300 | 19700 | 36300 | 38300 | 82600 | 101000 | 148000 | 165000 |
| | | Thermal | Input Power kW | 177 | 188 | 206 | 202 | 229 | 394 | 476 | 870 | 1160 | 1710 | 2160 |
| | | Fan & Coil | Output Torque Nm | 21200 | 22800 | 24300 | 24800 | 27900 | 47600 | 57600 | 105000 | 141000 | 210000 | 265000 |
| 20.9 | 69. | Thermal with fan | Input Power kW | 58.8 | 73.6 | 97.6 | 99.9 | 136 | 194 | 268 | 350 | 532 | 751 | 1010 |
| | | | Output Torque Nm | 7800 | 9750 | 12600 | 13200 | 17800 | 25800 | 35500 | 46300 | 73500 | 102000 | 134000 |
| | | Thermal with coil | Input Power kW | 110 | 117 | 132 | 138 | 159 | 287 | 302 | 646 | 784 | 1140 | 1270 |
| | | | Output Torque Nm | 14500 | 15500 | 17000 | 18300 | 20800 | 38300 | 40000 | 85500 | 108000 | 154000 | 169000 |
| | | Thermal | Input Power kW | 172 | 183 | 200 | 196 | 222 | 376 | 456 | 824 | 1100 | 1630 | 2070 |
| | | Fan & Coil | Output Torque Nm | 22800 | 24200 | 25800 | 26000 | 29000 | 50100 | 60400 | 109000 | 152000 | 221000 | 276000 |
| 23.2 | 62. | Thermal with fan | Input Power kW | 58.1 | 72.7 | 96.4 | 98.7 | 135 | 191 | 265 | 346 | 526 | 742 | 996 |
| | | | Output Torque Nm | 8650 | 10700 | 14000 | 14500 | 19500 | 29000 | 38900 | 51500 | 79000 | 111000 | 145000 |
| | | Thermal with coil | Input Power kW | 107 | 114 | 129 | 134 | 156 | 274 | 288 | 610 | 743 | 1080 | 1200 |
| | | | Output Torque Nm | 15900 | 16800 | 18700 | 19800 | 22600 | 41600 | 42300 | 90900 | 112000 | 162000 | 175000 |
| | | Thermal | Input Power kW | 167 | 178 | 195 | 191 | 216 | 360 | 437 | 782 | 1050 | 1550 | 1990 |
| | | Fan & Coil | Output Torque Nm | 24900 | 26200 | 28200 | 28000 | 31300 | 54500 | 64400 | 116000 | 158000 | 233000 | 290000 |
| 25.6 | 56. | Thermal with fan | Input Power kW | 57.7 | 72.1 | 95.6 | 97.9 | 134 | 190 | 263 | 343 | 521 | 736 | 987 |
| | | | Output Torque Nm | 9520 | 11800 | 15800 | 16000 | 21800 | 31300 | 42900 | 56000 | 85100 | 120000 | 162000 |
| | | Thermal with coil | Input Power kW | 105 | 112 | 126 | 131 | 153 | 262 | 274 | 577 | 705 | 1020 | 1140 |
| | | | Output Torque Nm | 17300 | 18200 | 20800 | 21400 | 25000 | 43200 | 44800 | 94200 | 115000 | 167000 | 187000 |
| | | Thermal | Input Power kW | 163 | 173 | 189 | 185 | 210 | 345 | 421 | 744 | 1010 | 1490 | 1920 |
| | | Fan & Coil | Output Torque Nm | 26900 | 28300 | 31300 | 30300 | 34300 | 56900 | 68800 | 121000 | 164000 | 243000 | 315000 |

Note: Cooling coils cannot be fitted to vertical units

H2 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.60 | 171. | Mechanical | Input Power kW | 64.8 | 70.0 | 135 | 137 | 205 | 245 | 496 | 649 | 836 | 1190 | 1740 |
| | | | Output Torque Nm | 3540 | 3830 | 7420 | 7460 | 11200 | 13300 | 27100 | 35600 | 45300 | 65200 | 96900 |
| | | Thermal | Input Power kW | 29.8 | 36.9 | 47.2 | 84.1 | 102 | 121 | 144 | 226 | 308 | 398 | 493 |
| | | No Fan | Output Torque Nm | 1620 | 2020 | 2580 | 4580 | 5570 | 6560 | 7830 | 12400 | 16700 | 21900 | 27400 |
| | | | Efficiency % | 97 | 97 | 98 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | |
| 6.20 | 154. | Mechanical | Input Power kW | 65.4 | 63.5 | 136 | 128 | 214 | 301 | 447 | 594 | 783 | 1080 | 1580 |
| | | | Output Torque Nm | 3860 | 3830 | 8200 | 7720 | 13100 | 18200 | 27100 | 36300 | 46900 | 66100 | 97100 |
| | | Thermal | Input Power kW | 29.1 | 36.1 | 46.2 | 82.3 | 99.3 | 118 | 141 | 221 | 301 | 389 | 482 |
| | | No Fan | Output Torque Nm | 1710 | 2180 | 2770 | 4970 | 6050 | 7150 | 8500 | 13500 | 18000 | 23700 | 29600 |
| | | | Efficiency % | 98 | 97 | 98 | 97 | 98 | 97 | 98 | 98 | 98 | 98 | |
| 6.86 | 139. | Mechanical | Input Power kW | 57.4 | 57.6 | 113 | 128 | 214 | 291 | 450 | 586 | 783 | 1080 | 1580 |
| | | | Output Torque Nm | 3790 | 3840 | 7550 | 8530 | 14200 | 19700 | 29900 | 39900 | 51700 | 73000 | 105000 |
| | | Thermal | Input Power kW | 28.4 | 35.3 | 45.1 | 80.3 | 97.0 | 116 | 137 | 216 | 294 | 380 | 471 |
| | | No Fan | Output Torque Nm | 1870 | 2350 | 3000 | 5360 | 6420 | 7820 | 9120 | 14700 | 19400 | 25600 | 31400 |
| | | | Efficiency % | 97 | 97 | 98 | 97 | 97 | 98 | 97 | 98 | 98 | 98 | |
| 7.59 | 126. | Mechanical | Input Power kW | 51.6 | 51.6 | 102 | 141 | 194 | 276 | 404 | 546 | 703 | 988 | 1420 |
| | | | Output Torque Nm | 3790 | 3840 | 7550 | 10400 | 14200 | 20300 | 29700 | 40300 | 51800 | 73100 | 106000 |
| | | Thermal | Input Power kW | 27.7 | 34.4 | 44.0 | 78.4 | 94.6 | 113 | 134 | 210 | 287 | 371 | 459 |
| | | No Fan | Output Torque Nm | 2040 | 2560 | 3260 | 5750 | 6920 | 8280 | 9820 | 15500 | 21100 | 27400 | 34100 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 | 98 | 99 | |
| 8.40 | 114. | Mechanical | Input Power kW | 49.1 | 47.5 | 92.7 | 128 | 214 | 251 | 405 | 478 | 751 | 972 | 1350 |
| | | | Output Torque Nm | 3960 | 3840 | 7560 | 10400 | 17500 | 21000 | 32600 | 39600 | 60500 | 80100 | 112000 |
| | | Thermal | Input Power kW | 27.0 | 33.5 | 42.9 | 76.4 | 92.3 | 110 | 131 | 205 | 280 | 362 | 448 |
| | | No Fan | Output Torque Nm | 2180 | 2710 | 3490 | 6250 | 7570 | 9210 | 10500 | 17000 | 22500 | 29800 | 37000 |
| | | | Efficiency % | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 98 | 98 | 98 | |
| 9.30 | 103. | Mechanical | Input Power kW | 42.0 | 42.1 | 83.9 | 137 | 194 | 238 | 367 | 440 | 687 | 925 | 1270 |
| | | | Output Torque Nm | 3800 | 3840 | 7560 | 12300 | 17600 | 21700 | 32600 | 39600 | 61900 | 83700 | 117000 |
| | | Thermal | Input Power kW | 26.3 | 32.7 | 41.8 | 74.4 | 89.8 | 107 | 127 | 200 | 272 | 352 | 436 |
| | | No Fan | Output Torque Nm | 2380 | 2980 | 3760 | 6690 | 8140 | 9750 | 11300 | 18000 | 24500 | 31800 | 40100 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | |
| 10.3 | 93. | Mechanical | Input Power kW | 37.9 | 38.0 | 88.1 | 104 | 165 | 227 | 310 | 426 | 573 | 752 | 1060 |
| | | | Output Torque Nm | 3800 | 3840 | 8820 | 10500 | 16600 | 22200 | 30900 | 42200 | 58100 | 76400 | 108000 |
| | | Thermal | Input Power kW | 25.6 | 31.8 | 40.6 | 72.4 | 87.4 | 104 | 124 | 194 | 265 | 343 | 424 |
| | | No Fan | Output Torque Nm | 2560 | 3220 | 4070 | 7320 | 8800 | 10200 | 12300 | 19300 | 26800 | 34800 | 43300 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 | |
| 11.4 | 84. | Mechanical | Input Power kW | 34.6 | 34.5 | 68.3 | 114 | 159 | 201 | 300 | 356 | 569 | 783 | 1120 |
| | | | Output Torque Nm | 3800 | 3840 | 7570 | 12500 | 17700 | 22800 | 32700 | 39700 | 63400 | 85700 | 125000 |
| | | Thermal | Input Power kW | 24.9 | 30.9 | 39.5 | 70.5 | 85.1 | 101 | 120 | 189 | 258 | 334 | 413 |
| | | No Fan | Output Torque Nm | 2740 | 3440 | 4380 | 7680 | 9450 | 11500 | 13100 | 21100 | 28700 | 36500 | 46200 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 12.6 | 76. | Mechanical | Input Power kW | 31.9 | 31.1 | 72.6 | 99.1 | 144 | 182 | 267 | 321 | 530 | 699 | 1010 |
| | | | Output Torque Nm | 3860 | 3840 | 8820 | 12100 | 17700 | 22800 | 32700 | 39700 | 63500 | 85700 | 125000 |
| | | Thermal | Input Power kW | 24.3 | 30.1 | 38.5 | 68.6 | 82.9 | 98.8 | 117 | 184 | 251 | 325 | 402 |
| | | No Fan | Output Torque Nm | 2930 | 3720 | 4680 | 8380 | 10200 | 12400 | 14300 | 22800 | 30100 | 39800 | 49600 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | |
| 14.0 | 68. | Mechanical | Input Power kW | 27.8 | 28.2 | 56.3 | 76.5 | 122 | 171 | 239 | 310 | 452 | 576 | 823 |
| | | | Output Torque Nm | 3800 | 3840 | 7570 | 10500 | 16600 | 23000 | 32800 | 42300 | 61000 | 79200 | 113000 |
| | | Thermal | Input Power kW | 23.7 | 29.4 | 37.6 | 67.1 | 81.0 | 96.5 | 115 | 180 | 245 | 317 | 393 |
| | | No Fan | Output Torque Nm | 3240 | 4010 | 5060 | 9190 | 11000 | 13000 | 15700 | 24500 | 33100 | 43700 | 53800 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 15.4 | 62. | Mechanical | Input Power kW | 25.7 | 25.9 | 57.0 | 74.1 | 112 | 153 | 197 | 270 | 423 | 576 | 812 |
| | | | Output Torque Nm | 3800 | 3840 | 8370 | 11000 | 16700 | 22800 | 28800 | 39700 | 63500 | 85700 | 123000 |
| | | Thermal | Input Power kW | 23.2 | 28.9 | 36.9 | 65.7 | 79.4 | 94.6 | 112 | 176 | 241 | 311 | 385 |
| | | No Fan | Output Torque Nm | 3430 | 4290 | 5420 | 9780 | 11900 | 14100 | 16500 | 26000 | 36100 | 46300 | 58300 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 17.1 | 56. | Mechanical | Input Power kW | 22.0 | 23.3 | 50.7 | 62.8 | 100 | 143 | 197 | 261 | 361 | 474 | 670 |
| | | | Output Torque Nm | 3610 | 3850 | 8370 | 10500 | 16600 | 23000 | 32400 | 42300 | 61000 | 79300 | 113000 |
| | | Thermal | Input Power kW | 22.9 | 28.4 | 36.3 | 64.7 | 78.2 | 93.2 | 111 | 174 | 237 | 306 | 379 |
| | | No Fan | Output Torque Nm | 3760 | 4710 | 6000 | 10800 | 13000 | 14900 | 18200 | 28200 | 40100 | 51200 | 63700 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 18.9 | 50. | Mechanical | Input Power kW | 21.4 | 21.0 | 46.9 | 56.6 | 86.0 | 113 | 180 | 232 | 331 | 428 | 612 |
| | | | Output Torque Nm | 3860 | 3850 | 8380 | 10500 | 15800 | 20600 | 32800 | 42300 | 61000 | 79300 | 113000 |
| | | Thermal | Input Power kW | 22.6 | 28.0 | 35.8 | 63.8 | 77.1 | 91.9 | 109 | 171 | 234 | 302 | 374 |
| | | No Fan | Output Torque Nm | 4080 | 5140 | 6390 | 11800 | 14200 | 16800 | 19900 | 31300 | 43000 | 56000 | 68800 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 97 | 97 | |

H2 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 20.9 | 45. | Mechanical | Input Power kW | 17.7 | 19.2 | 42.8 | 45.5 | 71.0 | 79.6 | 146 | 171 | 235 | 335 | 456 |
| | | | Output Torque Nm | 3550 | 3850 | 8350 | 9110 | 14000 | 16000 | 29200 | 34200 | 49000 | 68300 | 91200 |
| | | Thermal | Input Power kW | 22.3 | 27.6 | 35.3 | 63.0 | 76.0 | 90.6 | 108 | 169 | 230 | 298 | 369 |
| | | No Fan | Output Torque Nm | 4460 | 5530 | 6890 | 12600 | 15000 | 18200 | 21500 | 33800 | 48000 | 60800 | 73800 |
| 23.2 | 41. | Mechanical | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | | Input Power kW | 15.8 | 17.3 | 38.1 | 41.0 | 64.0 | 70.1 | 132 | 152 | 216 | 302 | 416 |
| | | | Output Torque Nm | 3550 | 3850 | 8350 | 9110 | 14000 | 16000 | 29200 | 34200 | 49000 | 68300 | 91200 |
| | | Thermal | Input Power kW | 22.0 | 27.3 | 34.9 | 62.1 | 75.0 | 89.4 | 106 | 167 | 227 | 294 | 364 |
| 25.6 | 37. | No Fan | Output Torque Nm | 4930 | 6060 | 7640 | 13800 | 16400 | 20500 | 23600 | 37500 | 51600 | 66600 | 79700 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 12.1 | 15.6 | 23.4 | 34.0 | 51.6 | 66.0 | 102 | 156 | 197 | 287 | 402 |
| | | | Output Torque Nm | 3010 | 3850 | 5820 | 8380 | 12700 | 16400 | 25200 | 38400 | 48500 | 70700 | 99100 |
| 25.6 | 37. | Thermal | Input Power kW | 21.8 | 27.0 | 34.5 | 61.6 | 74.3 | 88.6 | 105 | 165 | 225 | 291 | 361 |
| | | No Fan | Output Torque Nm | 5430 | 6660 | 8610 | 15200 | 18300 | 22100 | 25900 | 40700 | 55500 | 71800 | 88900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |

H2 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.60 | 171. | Thermal | Input Power kW | 66.8 | 83.5 | 111 | 113 | 155 | 220 | 304 | 397 | 604 | 853 | 1140 |
| | | | Output Torque Nm | 3650 | 4570 | 6070 | 6180 | 8490 | 11900 | 16600 | 21800 | 32700 | 46900 | 63800 |
| | | Thermal | Input Power kW | 134 | 143 | 162 | 179 | 194 | 468 | 523 | 1210 | 1430 | 2070 | 2390 |
| | | | Output Torque Nm | 7340 | 7850 | 8870 | 9740 | 10700 | 25400 | 28500 | 66500 | 77300 | 114000 | 133000 |
| 6.20 | 154. | Thermal | Input Power kW | 218 | 231 | 256 | 254 | 297 | 645 | 777 | 1570 | 1930 | 2770 | 3140 |
| | | Fan & Coil | Output Torque Nm | 11900 | 12700 | 14000 | 13800 | 16300 | 35000 | 42400 | 86300 | 105000 | 152000 | 175000 |
| | | Thermal | Input Power kW | 65.4 | 81.7 | 108 | 111 | 151 | 215 | 298 | 389 | 591 | 835 | 1120 |
| | | | Output Torque Nm | 3850 | 4940 | 6520 | 6720 | 9230 | 13000 | 18000 | 23800 | 35400 | 50900 | 69000 |
| 6.86 | 139. | Thermal | Input Power kW | 133 | 142 | 160 | 176 | 191 | 455 | 505 | 1160 | 1380 | 2000 | 2300 |
| | | | Output Torque Nm | 7820 | 8560 | 9620 | 10600 | 11700 | 27500 | 30600 | 71300 | 82300 | 122000 | 141000 |
| | | Thermal | Input Power kW | 215 | 227 | 251 | 249 | 290 | 619 | 744 | 1500 | 1850 | 2670 | 3050 |
| | | Fan & Coil | Output Torque Nm | 12700 | 13700 | 15100 | 15100 | 17700 | 37500 | 45100 | 91700 | 111000 | 163000 | 188000 |
| 6.86 | 139. | Thermal | Input Power kW | 63.9 | 79.9 | 106 | 108 | 148 | 210 | 291 | 380 | 578 | 816 | 1090 |
| | | | Output Torque Nm | 4220 | 5330 | 7050 | 7250 | 9800 | 14200 | 19400 | 25900 | 38100 | 54900 | 73200 |
| | | Thermal | Input Power kW | 131 | 140 | 158 | 173 | 188 | 441 | 487 | 1120 | 1320 | 1920 | 2200 |
| | | | Output Torque Nm | 8650 | 9330 | 10500 | 11500 | 12500 | 29900 | 32400 | 76100 | 87400 | 129000 | 147000 |
| 7.59 | 126. | Thermal | Input Power kW | 211 | 223 | 246 | 244 | 283 | 594 | 711 | 1430 | 1780 | 2560 | 2960 |
| | | | Output Torque Nm | 14000 | 14900 | 16400 | 16300 | 18700 | 40200 | 47400 | 97100 | 117000 | 173000 | 198000 |
| | | Thermal | Input Power kW | 62.3 | 77.9 | 103 | 106 | 144 | 205 | 284 | 371 | 563 | 795 | 1070 |
| | | | Output Torque Nm | 4580 | 5790 | 7670 | 7770 | 10600 | 15100 | 20800 | 27400 | 41600 | 58800 | 79300 |
| 8.40 | 114. | Thermal | Input Power kW | 129 | 138 | 156 | 169 | 185 | 427 | 469 | 1070 | 1270 | 1840 | 2110 |
| | | | Output Torque Nm | 9510 | 10300 | 11500 | 12400 | 13500 | 31400 | 34400 | 79100 | 93700 | 137000 | 157000 |
| | | Thermal | Input Power kW | 208 | 219 | 241 | 238 | 275 | 568 | 679 | 1350 | 1700 | 2460 | 2860 |
| | | Fan & Coil | Output Torque Nm | 15300 | 16300 | 17900 | 17500 | 20200 | 41700 | 49900 | 100000 | 125000 | 182000 | 213000 |
| 8.40 | 114. | Thermal | Input Power kW | 60.6 | 75.8 | 101 | 103 | 140 | 199 | 276 | 361 | 548 | 774 | 1040 |
| | | | Output Torque Nm | 4900 | 6120 | 8200 | 8430 | 11500 | 16700 | 22200 | 29900 | 44200 | 63800 | 86000 |
| | | Thermal | Input Power kW | 127 | 136 | 153 | 166 | 182 | 412 | 450 | 1020 | 1220 | 1770 | 2010 |
| | | | Output Torque Nm | 10300 | 11000 | 12500 | 13600 | 14900 | 34600 | 36300 | 84900 | 97900 | 146000 | 167000 |
| 9.30 | 103. | Thermal | Input Power kW | 203 | 215 | 235 | 232 | 267 | 542 | 646 | 1280 | 1620 | 2350 | 2760 |
| | | | Output Torque Nm | 16400 | 17300 | 19200 | 19000 | 22000 | 45400 | 52100 | 107000 | 130000 | 194000 | 229000 |
| | | Thermal | Input Power kW | 58.8 | 73.5 | 97.5 | 99.9 | 136 | 194 | 268 | 350 | 532 | 751 | 1010 |
| | | | Output Torque Nm | 5320 | 6710 | 8800 | 8990 | 12400 | 17600 | 23800 | 31500 | 47900 | 68000 | 92800 |
| 9.30 | 103. | Thermal | Input Power kW | 126 | 134 | 151 | 162 | 178 | 397 | 431 | 976 | 1160 | 1690 | 1920 |
| | | | Output Torque Nm | 11400 | 12200 | 13600 | 14600 | 16200 | 36200 | 38400 | 88000 | 105000 | 153000 | 177000 |
| | | Thermal | Input Power kW | 199 | 210 | 229 | 226 | 259 | 516 | 614 | 1220 | 1540 | 2240 | 2660 |
| | | | Output Torque Nm | 18000 | 19100 | 20700 | 20400 | 23500 | 47000 | 54600 | 109000 | 138000 | 203000 | 245000 |

Note: Cooling coils cannot be fitted to vertical units

H2 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 10.3 | 93. | Thermal with fan | Input Power kW | 57.0 | 71.3 | 94.5 | 96.8 | 132 | 188 | 260 | 339 | 516 | 728 | 976 |
| | | | Output Torque Nm | 5710 | 7220 | 9470 | 9790 | 13300 | 18400 | 25900 | 33600 | 52300 | 73900 | 99800 |
| | | Thermal with coil | Input Power kW | 124 | 132 | 148 | 158 | 175 | 382 | 413 | 929 | 1110 | 1610 | 1830 |
| | | | Output Torque Nm | 12400 | 13300 | 14900 | 16000 | 17600 | 37400 | 41200 | 92200 | 112000 | 164000 | 187000 |
| | | Fan & Coil | Input Power kW | 194 | 205 | 223 | 220 | 250 | 490 | 583 | 1150 | 1460 | 2130 | 2550 |
| 11.4 | 84. | Thermal with fan | Input Power kW | 55.2 | 69.0 | 91.5 | 93.7 | 128 | 182 | 251 | 328 | 499 | 705 | 945 |
| | | | Output Torque Nm | 6070 | 7690 | 10100 | 10200 | 14200 | 20500 | 27400 | 36600 | 55600 | 77100 | 106000 |
| | | Thermal with coil | Input Power kW | 121 | 129 | 146 | 154 | 172 | 367 | 394 | 883 | 1050 | 1540 | 1730 |
| | | | Output Torque Nm | 13400 | 14400 | 16200 | 16800 | 19100 | 41500 | 43000 | 98500 | 117000 | 168000 | 195000 |
| | | Thermal Fan & Coil | Input Power kW | 190 | 199 | 217 | 213 | 242 | 465 | 552 | 1080 | 1380 | 2030 | 2450 |
| 12.6 | 76. | Thermal with fan | Input Power kW | 53.5 | 66.8 | 88.7 | 90.8 | 124 | 176 | 243 | 318 | 483 | 683 | 916 |
| | | | Output Torque Nm | 6470 | 8250 | 10800 | 11100 | 15200 | 22000 | 29800 | 39400 | 57900 | 83700 | 113000 |
| | | Thermal with coil | Input Power kW | 119 | 127 | 143 | 151 | 168 | 352 | 376 | 837 | 1000 | 1460 | 1640 |
| | | | Output Torque Nm | 14400 | 15700 | 17400 | 18400 | 20700 | 44000 | 46000 | 104000 | 120000 | 179000 | 203000 |
| | | Thermal Fan & Coil | Input Power kW | 185 | 194 | 210 | 207 | 233 | 440 | 523 | 1020 | 1310 | 1930 | 2340 |
| 14.0 | 68. | Thermal with fan | Input Power kW | 51.9 | 64.9 | 86.0 | 88.1 | 120 | 171 | 236 | 309 | 469 | 662 | 888 |
| | | | Output Torque Nm | 7090 | 8850 | 11600 | 12100 | 16400 | 23000 | 32400 | 42100 | 63300 | 91200 | 122000 |
| | | Thermal with coil | Input Power kW | 117 | 125 | 140 | 147 | 165 | 337 | 358 | 793 | 951 | 1390 | 1560 |
| | | | Output Torque Nm | 16000 | 17000 | 18900 | 20200 | 22500 | 45300 | 49200 | 108000 | 128000 | 191000 | 213000 |
| | | Thermal Fan & Coil | Input Power kW | 180 | 189 | 204 | 200 | 225 | 417 | 495 | 959 | 1240 | 1830 | 2240 |
| 15.4 | 62. | Thermal with fan | Input Power kW | 50.5 | 63.1 | 83.7 | 85.7 | 117 | 166 | 230 | 300 | 456 | 644 | 864 |
| | | | Output Torque Nm | 7460 | 9370 | 12300 | 12800 | 17500 | 24800 | 33700 | 44200 | 68500 | 95900 | 131000 |
| | | Thermal with coil | Input Power kW | 115 | 122 | 138 | 144 | 162 | 322 | 342 | 751 | 903 | 1320 | 1470 |
| | | | Output Torque Nm | 17000 | 18200 | 20200 | 21400 | 24200 | 48100 | 50100 | 111000 | 136000 | 196000 | 224000 |
| | | Thermal Fan & Coil | Input Power kW | 175 | 184 | 198 | 194 | 217 | 395 | 469 | 903 | 1170 | 1730 | 2140 |
| 17.1 | 56. | Thermal with fan | Input Power kW | 49.2 | 61.6 | 81.6 | 83.6 | 114 | 162 | 224 | 293 | 445 | 629 | 843 |
| | | | Output Torque Nm | 8090 | 10200 | 13500 | 14000 | 18900 | 26000 | 36900 | 47500 | 75300 | 105000 | 142000 |
| | | Thermal with coil | Input Power kW | 113 | 120 | 135 | 140 | 159 | 309 | 326 | 711 | 857 | 1250 | 1400 |
| | | | Output Torque Nm | 18500 | 19900 | 22300 | 23500 | 26500 | 49500 | 53600 | 115000 | 145000 | 209000 | 235000 |
| | | Thermal Fan & Coil | Input Power kW | 170 | 178 | 192 | 188 | 209 | 375 | 445 | 850 | 1110 | 1640 | 2050 |
| 18.9 | 50. | Thermal with fan | Input Power kW | 48.3 | 60.4 | 80.0 | 82.0 | 112 | 159 | 220 | 287 | 436 | 616 | 827 |
| | | | Output Torque Nm | 8720 | 11100 | 14300 | 15200 | 20600 | 29000 | 40100 | 52400 | 80400 | 114000 | 152000 |
| | | Thermal with coil | Input Power kW | 111 | 118 | 132 | 137 | 157 | 295 | 310 | 672 | 813 | 1180 | 1320 |
| | | | Output Torque Nm | 20000 | 21600 | 23700 | 25400 | 28900 | 53900 | 56700 | 123000 | 150000 | 219000 | 244000 |
| | | Thermal Fan & Coil | Input Power kW | 166 | 173 | 186 | 182 | 202 | 356 | 424 | 802 | 1050 | 1560 | 1960 |
| 20.9 | 45. | Thermal with fan | Input Power kW | 47.5 | 59.4 | 78.8 | 80.7 | 110 | 156 | 216 | 283 | 430 | 607 | 814 |
| | | | Output Torque Nm | 9520 | 11900 | 15400 | 16200 | 21700 | 31500 | 43300 | 56500 | 89600 | 124000 | 163000 |
| | | Thermal with coil | Input Power kW | 108 | 115 | 130 | 134 | 154 | 282 | 295 | 635 | 770 | 1120 | 1250 |
| | | | Output Torque Nm | 21700 | 23100 | 25300 | 26800 | 30400 | 56700 | 59200 | 127000 | 161000 | 229000 | 250000 |
| | | Thermal Fan & Coil | Input Power kW | 161 | 169 | 181 | 177 | 196 | 339 | 404 | 757 | 1000 | 1480 | 1880 |
| 23.2 | 41. | Thermal with fan | Input Power kW | 47.0 | 58.7 | 77.9 | 79.7 | 109 | 155 | 214 | 279 | 425 | 600 | 804 |
| | | | Output Torque Nm | 10600 | 13000 | 17100 | 17700 | 23800 | 35400 | 47500 | 62800 | 96400 | 136000 | 176000 |
| | | Thermal with coil | Input Power kW | 106 | 113 | 127 | 130 | 151 | 269 | 281 | 600 | 729 | 1060 | 1180 |
| | | | Output Torque Nm | 23700 | 25000 | 27800 | 29000 | 33200 | 61500 | 62500 | 135000 | 166000 | 240000 | 259000 |
| | | Thermal Fan & Coil | Input Power kW | 156 | 164 | 176 | 172 | 190 | 323 | 387 | 716 | 951 | 1410 | 1800 |
| 25.6 | 37. | Thermal with fan | Input Power kW | 46.6 | 58.2 | 77.2 | 79.1 | 108 | 153 | 212 | 277 | 421 | 595 | 798 |
| | | | Output Torque Nm | 11600 | 14400 | 19200 | 19500 | 26600 | 38200 | 52300 | 68300 | 104000 | 147000 | 197000 |
| | | Thermal with coil | Input Power kW | 103 | 110 | 124 | 127 | 149 | 257 | 268 | 567 | 691 | 1000 | 1120 |
| | | | Output Torque Nm | 25700 | 27200 | 30900 | 31400 | 36700 | 64000 | 66100 | 140000 | 170000 | 247000 | 276000 |
| | | Thermal Fan & Coil | Input Power kW | 152 | 159 | 171 | 167 | 184 | 309 | 371 | 678 | 907 | 1350 | 1730 |
| | | Thermal with fan | Input Power kW | 37900 | 39300 | 42700 | 41100 | 45500 | 76900 | 91400 | 167000 | 224000 | 332000 | 427000 |

Note: Cooling coils cannot be fitted to vertical units

H2 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.60 | 129. | Mechanical | Input Power kW | 49.0 | 52.9 | 102 | 103 | 154 | 185 | 376 | 493 | 632 | 901 | 1310 |
| | | | Output Torque Nm | 3550 | 3830 | 7430 | 7460 | 11200 | 13300 | 27100 | 35700 | 45200 | 65500 | 96800 |
| | | Thermal | Input Power kW | 28.9 | 35.8 | 45.8 | 81.6 | 98.6 | 118 | 139 | 219 | 299 | 386 | 478 |
| | | No Fan | Output Torque Nm | 2090 | 2590 | 3320 | 5890 | 7160 | 8430 | 10100 | 15900 | 21400 | 28000 | 35200 |
| 6.20 | 116. | Mechanical | Efficiency % | 98 | 97 | 98 | 98 | 97 | 97 | 97 | 97 | 98 | 98 | 98 |
| | | | Input Power kW | 49.7 | 47.9 | 103 | 96.4 | 162 | 228 | 339 | 451 | 592 | 819 | 1190 |
| | | | Output Torque Nm | 3880 | 3830 | 8200 | 7720 | 13100 | 18300 | 27100 | 36400 | 46800 | 66000 | 97000 |
| | | Thermal | Input Power kW | 28.3 | 35.1 | 44.8 | 79.9 | 96.4 | 115 | 136 | 214 | 292 | 378 | 468 |
| 6.86 | 105.6 | No Fan | Output Torque Nm | 2200 | 2800 | 3570 | 6400 | 7780 | 9200 | 10900 | 17300 | 23100 | 30400 | 38000 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 43.4 | 43.5 | 85.8 | 96.4 | 162 | 227 | 341 | 451 | 592 | 819 | 1190 |
| | | | Output Torque Nm | 3790 | 3840 | 7560 | 8530 | 14200 | 20400 | 30000 | 40500 | 51700 | 72900 | 105000 |
| 7.59 | 95. | Thermal | Input Power kW | 27.6 | 34.3 | 43.8 | 78.0 | 94.2 | 112 | 133 | 209 | 285 | 369 | 457 |
| | | No Fan | Output Torque Nm | 2410 | 3020 | 3860 | 6900 | 8260 | 10100 | 11700 | 18800 | 24900 | 32800 | 40400 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 39.0 | 39.0 | 77.0 | 107 | 147 | 209 | 307 | 414 | 531 | 747 | 1070 |
| 7.59 | 95. | | Output Torque Nm | 3800 | 3840 | 7570 | 10400 | 14200 | 20400 | 29800 | 40400 | 51800 | 73000 | 106000 |
| | | Thermal | Input Power kW | 26.9 | 33.4 | 42.7 | 76.1 | 91.9 | 110 | 130 | 204 | 278 | 360 | 446 |
| | | No Fan | Output Torque Nm | 2620 | 3290 | 4190 | 7400 | 8900 | 10700 | 12600 | 19900 | 27100 | 35200 | 43800 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 | 99 |
| 8.40 | 86. | Mechanical | Input Power kW | 37.1 | 35.9 | 70.1 | 96.4 | 162 | 205 | 306 | 362 | 592 | 787 | 1140 |
| | | | Output Torque Nm | 3970 | 3840 | 7570 | 10400 | 17600 | 22800 | 32700 | 39700 | 63100 | 85700 | 125000 |
| | | Thermal | Input Power kW | 26.2 | 32.6 | 41.6 | 74.2 | 89.6 | 107 | 127 | 199 | 271 | 351 | 434 |
| | | No Fan | Output Torque Nm | 2800 | 3480 | 4490 | 8040 | 9740 | 11900 | 13500 | 21800 | 28900 | 38200 | 47500 |
| 9.30 | 77. | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 |
| | | Mechanical | Input Power kW | 31.7 | 31.8 | 63.4 | 105 | 147 | 189 | 277 | 333 | 531 | 717 | 1030 |
| | | | Output Torque Nm | 3800 | 3840 | 7570 | 12500 | 17600 | 22800 | 32700 | 39700 | 63200 | 85700 | 125000 |
| | | Thermal | Input Power kW | 25.5 | 31.7 | 40.5 | 72.2 | 87.2 | 104 | 123 | 194 | 264 | 342 | 423 |
| 10.3 | 70. | No Fan | Output Torque Nm | 3060 | 3830 | 4840 | 8610 | 10500 | 12500 | 14500 | 23100 | 31400 | 40800 | 51400 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 |
| | | Mechanical | Input Power kW | 28.7 | 28.7 | 66.6 | 78.3 | 124 | 177 | 249 | 322 | 455 | 590 | 835 |
| | | | Output Torque Nm | 3800 | 3840 | 8830 | 10500 | 16600 | 22900 | 32800 | 42300 | 61000 | 79200 | 113000 |
| 11.4 | 63. | Thermal | Input Power kW | 24.9 | 30.9 | 39.4 | 70.3 | 84.9 | 101 | 120 | 189 | 257 | 333 | 412 |
| | | No Fan | Output Torque Nm | 3300 | 4140 | 5230 | 9410 | 11300 | 13100 | 15900 | 24700 | 34500 | 44600 | 55500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 |
| | | Mechanical | Input Power kW | 26.1 | 26.0 | 51.6 | 86.4 | 120 | 152 | 226 | 269 | 430 | 593 | 845 |
| 12.6 | 57. | | Output Torque Nm | 3800 | 3840 | 7580 | 12500 | 17700 | 22800 | 32700 | 39700 | 63400 | 85700 | 125000 |
| | | Mechanical | Input Power kW | 24.2 | 30.0 | 38.4 | 68.4 | 82.6 | 98.5 | 117 | 184 | 250 | 324 | 401 |
| | | | Output Torque Nm | 3520 | 4430 | 5630 | 9880 | 12200 | 14700 | 16900 | 27100 | 36900 | 46800 | 59300 |
| | | Thermal | Input Power kW | 23.6 | 29.3 | 37.4 | 66.7 | 80.5 | 95.9 | 114 | 179 | 244 | 315 | 390 |
| 14.0 | 51. | No Fan | Output Torque Nm | 3770 | 4780 | 6020 | 10800 | 13100 | 15900 | 18500 | 29300 | 38700 | 51100 | 63600 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 21.0 | 21.3 | 42.6 | 57.8 | 91.9 | 129 | 181 | 234 | 342 | 436 | 623 |
| | | | Output Torque Nm | 3800 | 3840 | 7580 | 10500 | 16600 | 23000 | 32800 | 42300 | 61000 | 79300 | 113000 |
| 15.4 | 46. | Thermal | Input Power kW | 23.0 | 28.6 | 36.5 | 65.1 | 78.6 | 93.7 | 111 | 175 | 238 | 308 | 381 |
| | | No Fan | Output Torque Nm | 4170 | 5160 | 6510 | 11800 | 14200 | 16700 | 20200 | 31500 | 42500 | 56000 | 69000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 19.4 | 19.6 | 43.1 | 57.0 | 86.0 | 115 | 151 | 204 | 320 | 435 | 621 |
| 17.1 | 42. | | Output Torque Nm | 3800 | 3840 | 8380 | 11200 | 17000 | 22800 | 29300 | 39800 | 63700 | 85800 | 124000 |
| | | Mechanical | Input Power kW | 22.6 | 28.0 | 35.8 | 63.8 | 77.1 | 91.9 | 109 | 171 | 234 | 302 | 374 |
| | | | Output Torque Nm | 4420 | 5510 | 6970 | 12600 | 15300 | 18100 | 21200 | 33400 | 46400 | 59500 | 74900 |
| | | Thermal | Input Power kW | 97 | 96 | 97 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 18.9 | 38. | No Fan | Output Torque Nm | 4840 | 6050 | 7710 | 13900 | 16700 | 19200 | 23400 | 36200 | 51500 | 65900 | 81900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 16.2 | 17.6 | 38.3 | 47.4 | 75.6 | 108 | 151 | 197 | 272 | 359 | 507 |
| | | | Output Torque Nm | 3620 | 3850 | 8380 | 10500 | 16600 | 23000 | 32800 | 42300 | 61000 | 79400 | 113000 |
| 17.1 | 42. | Thermal | Input Power kW | 22.2 | 27.6 | 35.3 | 62.9 | 75.9 | 90.5 | 107 | 169 | 230 | 298 | 368 |
| | | No Fan | Output Torque Nm | 4840 | 6050 | 7710 | 13900 | 16700 | 19200 | 23400 | 36200 | 51500 | 65900 | 81900 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 16.2 | 15.9 | 34.9 | 42.7 | 66.1 | 86.8 | 136 | 175 | 250 | 323 | 463 |
| 18.9 | 38. | | Output Torque Nm | 3870 | 3850 | 8250 | 10500 | 16100 | 21000 | 32800 | 42300 | 61100 | 79400 | 113000 |
| | | Thermal | Input Power kW | 21.9 | 27.2 | 34.8 | 62.0 | 74.8 | 89.2 | 106 | 166 | 227 | 293 | 363 |
| | | No Fan | Output Torque Nm | 5240 | 6610 | 8220 | 15200 | 18300 | 21600 | 25600 | 40200 | 55300 | 72100 | 88500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 |

H2 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 20.9 | 34. | Mechanical | Input Power kW | 13.4 | 14.5 | 32.3 | 34.4 | 53.6 | 60.2 | 110 | 129 | 177 | 253 | 345 |
| | | | Output Torque Nm | 3550 | 3850 | 8350 | 9120 | 14000 | 16000 | 29300 | 34200 | 49000 | 68300 | 91300 |
| | | Thermal | Input Power kW | 21.6 | 26.8 | 34.3 | 61.1 | 73.8 | 88.0 | 104 | 164 | 224 | 289 | 358 |
| | | No Fan | Output Torque Nm | 5730 | 7120 | 8860 | 16200 | 19300 | 23500 | 27700 | 43400 | 61800 | 78200 | 94700 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 96 | 97 | 97 | 97 | 97 | |
| 23.2 | 31. | Mechanical | Input Power kW | 11.9 | 13.1 | 28.8 | 31.0 | 48.3 | 52.9 | 99.5 | 115 | 163 | 228 | 315 |
| | | | Output Torque Nm | 3550 | 3850 | 8350 | 9120 | 14000 | 16000 | 29300 | 34200 | 49000 | 68300 | 91300 |
| | | Thermal | Input Power kW | 21.3 | 26.5 | 33.8 | 60.3 | 72.8 | 86.8 | 103 | 162 | 221 | 285 | 353 |
| | | No Fan | Output Torque Nm | 6350 | 7790 | 9820 | 17700 | 21100 | 26300 | 30300 | 48200 | 66400 | 85600 | 102000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 25.6 | 28. | Mechanical | Input Power kW | 9.1 | 11.8 | 17.7 | 25.7 | 39.0 | 49.8 | 77.1 | 118 | 149 | 217 | 304 |
| | | | Output Torque Nm | 3010 | 3850 | 5820 | 8390 | 12700 | 16400 | 25200 | 38400 | 48500 | 70700 | 99100 |
| | | Thermal | Input Power kW | 21.1 | 26.3 | 33.5 | 59.8 | 72.2 | 86.1 | 102 | 160 | 219 | 283 | 350 |
| | | No Fan | Output Torque Nm | 6980 | 8570 | 11100 | 19500 | 23600 | 28400 | 33300 | 52400 | 71400 | 92400 | 114000 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |

H2 THERMAL RATINGS AT 725 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 5.60 | 129. | Thermal | Input Power kW | 59.2 | 74.0 | 98.1 | 100 | 137 | 195 | 270 | 352 | 535 | 755 | 1010 | |
| | | | Output Torque Nm | 4290 | 5360 | 7120 | 7250 | 9970 | 14000 | 19400 | 25500 | 38300 | 54900 | 74700 | |
| | | Thermal | Input Power kW | 133 | 142 | 161 | 176 | 191 | 465 | 519 | 1200 | 1420 | 2060 | 2370 | |
| | | | Output Torque Nm | 9660 | 10300 | 11700 | 12700 | 13900 | 33400 | 37400 | 87400 | 102000 | 150000 | 175000 | |
| | | Thermal | Input Power kW | 211 | 222 | 243 | 241 | 279 | 620 | 742 | 1520 | 1860 | 2670 | 3010 | |
| 6.20 | 116. | Fan & Coil | Output Torque Nm | 15300 | 16100 | 17600 | 17400 | 20300 | 44500 | 53600 | 111000 | 133000 | 194000 | 222000 | |
| | | Thermal | Input Power kW | 57.9 | 72.4 | 96.1 | 98.3 | 134 | 191 | 264 | 345 | 524 | 739 | 992 | |
| | | | Output Torque Nm | 4520 | 5790 | 7650 | 7880 | 10800 | 15300 | 21100 | 27800 | 41400 | 59600 | 80700 | |
| | | Thermal | Input Power kW | 132 | 141 | 159 | 173 | 188 | 452 | 501 | 1160 | 1370 | 1990 | 2280 | |
| | | | Output Torque Nm | 10300 | 11300 | 12600 | 13900 | 15200 | 36200 | 40200 | 93600 | 108000 | 160000 | 186000 | |
| 6.86 | 105.6 | Thermal | Input Power kW | 208 | 218 | 239 | 236 | 273 | 595 | 710 | 1450 | 1790 | 2570 | 2920 | |
| | | | Output Torque Nm | 16200 | 17500 | 19000 | 18900 | 22000 | 47700 | 56900 | 117000 | 141000 | 208000 | 238000 | |
| | | Thermal | Input Power kW | 56.6 | 70.8 | 93.9 | 96.1 | 131 | 186 | 258 | 337 | 512 | 723 | 969 | |
| | | | Output Torque Nm | 4950 | 6250 | 8280 | 8500 | 11500 | 16700 | 22700 | 30300 | 44600 | 64300 | 85700 | |
| | | Thermal | Input Power kW | 130 | 139 | 157 | 170 | 185 | 438 | 483 | 1110 | 1310 | 1910 | 2190 | |
| 7.59 | 95. | | Output Torque Nm | 11400 | 12300 | 13800 | 15100 | 16300 | 39200 | 42600 | 100000 | 115000 | 170000 | 194000 | |
| | | Thermal | Input Power kW | 204 | 214 | 234 | 231 | 266 | 570 | 678 | 1380 | 1710 | 2470 | 2830 | |
| | | | Output Torque Nm | 17900 | 18900 | 20600 | 20500 | 23300 | 51100 | 59800 | 124000 | 149000 | 220000 | 250000 | |
| | | Thermal | Input Power kW | 55.2 | 69.0 | 91.5 | 93.7 | 128 | 182 | 251 | 328 | 499 | 705 | 945 | |
| | | | Output Torque Nm | 5380 | 6800 | 8990 | 9120 | 12400 | 17700 | 24500 | 32100 | 48600 | 68900 | 92900 | |
| 8.40 | 86. | Thermal | Input Power kW | 128 | 137 | 154 | 167 | 182 | 424 | 465 | 1060 | 1260 | 1830 | 2090 | |
| | | | Output Torque Nm | 12500 | 13500 | 15200 | 16200 | 17700 | 41200 | 45200 | 104000 | 123000 | 179000 | 206000 | |
| | | Thermal | Input Power kW | 200 | 210 | 229 | 226 | 259 | 544 | 646 | 1310 | 1630 | 2370 | 2740 | |
| | | | Output Torque Nm | 19500 | 20700 | 22500 | 22000 | 25100 | 53000 | 62900 | 128000 | 159000 | 231000 | 269000 | |
| | | Thermal | Input Power kW | 53.7 | 67.1 | 89.1 | 91.2 | 124 | 177 | 245 | 320 | 486 | 686 | 920 | |
| 9.30 | 77. | | Output Torque Nm | 5740 | 7180 | 9620 | 9890 | 13500 | 19600 | 26100 | 35000 | 51700 | 74600 | 101000 | |
| | | Thermal | Input Power kW | 127 | 135 | 152 | 163 | 179 | 409 | 446 | 1020 | 1210 | 1760 | 2000 | |
| | | | Output Torque Nm | 13600 | 14400 | 16400 | 17700 | 19500 | 45400 | 47600 | 112000 | 129000 | 191000 | 219000 | |
| | | Thermal | Input Power kW | 197 | 206 | 224 | 221 | 251 | 519 | 615 | 1240 | 1550 | 2260 | 2640 | |
| | | | Output Torque Nm | 21000 | 22000 | 24200 | 23900 | 27300 | 57600 | 65600 | 136000 | 166000 | 246000 | 289000 | |
| 9.30 | 77. | Thermal | Input Power kW | 52.1 | 65.1 | 86.4 | 88.5 | 121 | 171 | 237 | 310 | 471 | 665 | 892 | |
| | | | Output Torque Nm | 6240 | 7870 | 10300 | 10500 | 14500 | 20700 | 28000 | 36900 | 56100 | 79500 | 109000 | |
| | | Thermal | Input Power kW | 125 | 133 | 150 | 160 | 176 | 394 | 428 | 970 | 1150 | 1680 | 1910 | |
| | | | Output Torque Nm | 15000 | 16100 | 17900 | 19100 | 21100 | 47600 | 50400 | 116000 | 137000 | 201000 | 232000 | |
| | | Thermal | Input Power kW | 192 | 201 | 218 | 215 | 243 | 493 | 583 | 1180 | 1480 | 2160 | 2540 | |
| 9.30 | 77. | | Fan & Coil | Output Torque Nm | 23000 | 24300 | 26100 | 25600 | 29300 | 59600 | 68800 | 140000 | 176000 | 258000 | 309000 |

Note: Cooling coils cannot be fitted to vertical units

H2 THERMAL RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 10.3 | 70. | Thermal with fan | Input Power kW | 50.5 | 63.2 | 83.8 | 85.8 | 117 | 166 | 230 | 301 | 457 | 645 | 865 |
| | | | Output Torque Nm | 6700 | 8470 | 11100 | 11500 | 15600 | 21600 | 30400 | 39400 | 61300 | 86600 | 117000 |
| | | Thermal with coil | Input Power kW | 123 | 131 | 147 | 156 | 173 | 379 | 409 | 924 | 1100 | 1600 | 1810 |
| | | | Output Torque Nm | 16300 | 17500 | 19500 | 20900 | 23000 | 49200 | 54100 | 121000 | 147000 | 215000 | 245000 |
| | | Thermal | Input Power kW | 188 | 196 | 212 | 209 | 235 | 468 | 553 | 1110 | 1400 | 2050 | 2440 |
| | | Fan & Coil | Output Torque Nm | 24900 | 26400 | 28200 | 28000 | 31400 | 60800 | 73100 | 146000 | 188000 | 275000 | 330000 |
| 11.4 | 63. | Thermal with fan | Input Power kW | 48.9 | 61.1 | 81.1 | 83.0 | 113 | 161 | 223 | 291 | 442 | 624 | 837 |
| | | | Output Torque Nm | 7120 | 9020 | 11900 | 12000 | 16700 | 24100 | 32200 | 43000 | 65200 | 90300 | 124000 |
| | | Thermal with coil | Input Power kW | 121 | 128 | 144 | 152 | 169 | 364 | 391 | 877 | 1050 | 1530 | 1720 |
| | | | Output Torque Nm | 17600 | 19000 | 21200 | 22000 | 24900 | 54500 | 56400 | 130000 | 154000 | 221000 | 255000 |
| | | Thermal | Input Power kW | 183 | 191 | 206 | 203 | 227 | 444 | 523 | 1040 | 1330 | 1950 | 2340 |
| | | Fan & Coil | Output Torque Nm | 26700 | 28300 | 30300 | 29300 | 33500 | 66500 | 75600 | 154000 | 196000 | 282000 | 347000 |
| 12.6 | 57. | Thermal with fan | Input Power kW | 47.4 | 59.2 | 78.6 | 80.4 | 110 | 156 | 216 | 282 | 428 | 605 | 811 |
| | | | Output Torque Nm | 7590 | 9680 | 12600 | 13000 | 17900 | 25800 | 35000 | 46200 | 67900 | 98000 | 132000 |
| | | Thermal with coil | Input Power kW | 119 | 126 | 142 | 149 | 166 | 349 | 373 | 832 | 994 | 1450 | 1630 |
| | | | Output Torque Nm | 19000 | 20600 | 22800 | 24100 | 27000 | 57800 | 60400 | 136000 | 158000 | 235000 | 266000 |
| | | Thermal | Input Power kW | 179 | 186 | 200 | 196 | 219 | 420 | 495 | 983 | 1250 | 1850 | 2240 |
| | | Fan & Coil | Output Torque Nm | 28600 | 30500 | 32200 | 31800 | 35600 | 69700 | 80300 | 161000 | 199000 | 299000 | 365000 |
| 14.0 | 51. | Thermal with fan | Input Power kW | 46.0 | 57.5 | 76.2 | 78.1 | 106 | 151 | 209 | 273 | 416 | 587 | 787 |
| | | | Output Torque Nm | 8330 | 10400 | 13600 | 14200 | 19200 | 26900 | 38100 | 49400 | 74200 | 107000 | 142000 |
| | | Thermal with coil | Input Power kW | 116 | 124 | 139 | 145 | 163 | 334 | 355 | 788 | 944 | 1380 | 1550 |
| | | | Output Torque Nm | 21100 | 22400 | 24800 | 26400 | 29400 | 59500 | 64600 | 142000 | 169000 | 251000 | 280000 |
| | | Thermal | Input Power kW | 174 | 181 | 194 | 190 | 211 | 398 | 468 | 924 | 1190 | 1750 | 2140 |
| | | Fan & Coil | Output Torque Nm | 31500 | 32800 | 34600 | 34600 | 38100 | 70900 | 85200 | 167000 | 212000 | 319000 | 387000 |
| 15.4 | 46. | Thermal with fan | Input Power kW | 44.7 | 55.9 | 74.1 | 75.9 | 104 | 147 | 204 | 266 | 404 | 571 | 766 |
| | | | Output Torque Nm | 8750 | 11000 | 14400 | 15000 | 20500 | 29100 | 39500 | 51900 | 80400 | 113000 | 153000 |
| | | Thermal with coil | Input Power kW | 114 | 122 | 137 | 142 | 160 | 320 | 338 | 746 | 896 | 1310 | 1460 |
| | | | Output Torque Nm | 22400 | 23900 | 26600 | 27900 | 31600 | 63200 | 65700 | 146000 | 178000 | 258000 | 293000 |
| | | Thermal | Input Power kW | 169 | 176 | 188 | 184 | 204 | 377 | 443 | 869 | 1120 | 1660 | 2050 |
| | | Fan & Coil | Output Torque Nm | 33200 | 34700 | 36700 | 36300 | 40300 | 74400 | 86100 | 169000 | 223000 | 327000 | 410000 |
| 17.1 | 42. | Thermal with fan | Input Power kW | 43.6 | 54.5 | 72.3 | 74.1 | 101 | 144 | 199 | 260 | 394 | 557 | 747 |
| | | | Output Torque Nm | 9490 | 12000 | 15800 | 16400 | 22200 | 30500 | 43300 | 55800 | 88400 | 123000 | 166000 |
| | | Thermal with coil | Input Power kW | 112 | 119 | 134 | 139 | 157 | 306 | 322 | 706 | 850 | 1240 | 1390 |
| | | | Output Torque Nm | 24400 | 26200 | 29300 | 30700 | 34600 | 65000 | 70300 | 152000 | 191000 | 274000 | 308000 |
| | | Thermal | Input Power kW | 165 | 171 | 183 | 178 | 196 | 357 | 420 | 817 | 1060 | 1570 | 1950 |
| | | Fan & Coil | Output Torque Nm | 35800 | 37600 | 40000 | 39500 | 43100 | 75800 | 91500 | 176000 | 238000 | 348000 | 435000 |
| 18.9 | 38. | Thermal with fan | Input Power kW | 42.8 | 53.5 | 70.9 | 72.6 | 99.1 | 141 | 195 | 254 | 387 | 546 | 732 |
| | | | Output Torque Nm | 10200 | 13000 | 16800 | 17800 | 24200 | 34000 | 47100 | 61500 | 94300 | 134000 | 179000 |
| | | Thermal with coil | Input Power kW | 110 | 117 | 131 | 135 | 155 | 292 | 307 | 667 | 806 | 1170 | 1310 |
| | | | Output Torque Nm | 26300 | 28400 | 31100 | 33200 | 37700 | 70700 | 74300 | 161000 | 197000 | 288000 | 320000 |
| | | Thermal | Input Power kW | 160 | 167 | 177 | 173 | 190 | 338 | 399 | 769 | 1000 | 1490 | 1870 |
| | | Fan & Coil | Output Torque Nm | 38300 | 40500 | 42000 | 42500 | 46200 | 81700 | 96400 | 186000 | 245000 | 366000 | 456000 |
| 20.9 | 34. | Thermal with fan | Input Power kW | 42.1 | 52.6 | 69.8 | 71.5 | 97.5 | 139 | 192 | 250 | 381 | 538 | 721 |
| | | | Output Torque Nm | 11200 | 14000 | 18000 | 19000 | 25500 | 36900 | 50800 | 66300 | 105000 | 145000 | 191000 |
| | | Thermal with coil | Input Power kW | 107 | 114 | 129 | 132 | 152 | 279 | 292 | 630 | 763 | 1110 | 1240 |
| | | | Output Torque Nm | 28500 | 30300 | 33200 | 35000 | 39700 | 74400 | 77500 | 167000 | 211000 | 300000 | 328000 |
| | | Thermal | Input Power kW | 155 | 162 | 172 | 168 | 183 | 321 | 380 | 724 | 951 | 1410 | 1790 |
| | | Fan & Coil | Output Torque Nm | 41200 | 42900 | 44500 | 44400 | 47900 | 85600 | 101000 | 192000 | 263000 | 382000 | 473000 |
| 23.2 | 31. | Thermal with fan | Input Power kW | 41.6 | 52.0 | 69.0 | 70.6 | 96.4 | 137 | 189 | 248 | 376 | 531 | 712 |
| | | | Output Torque Nm | 12400 | 15300 | 20000 | 20800 | 28000 | 41500 | 55800 | 73700 | 113000 | 159000 | 207000 |
| | | Thermal with coil | Input Power kW | 105 | 112 | 126 | 129 | 149 | 266 | 278 | 595 | 722 | 1050 | 1170 |
| | | | Output Torque Nm | 31300 | 32900 | 36500 | 37900 | 43300 | 80700 | 81800 | 177000 | 217000 | 315000 | 340000 |
| | | Thermal | Input Power kW | 151 | 157 | 167 | 162 | 177 | 305 | 362 | 684 | 903 | 1340 | 1710 |
| | | Fan & Coil | Output Torque Nm | 44900 | 46300 | 48500 | 47800 | 51500 | 92600 | 107000 | 204000 | 272000 | 403000 | 497000 |
| 25.6 | 28. | Thermal with fan | Input Power kW | 41.3 | 51.6 | 68.4 | 70.1 | 95.6 | 136 | 188 | 246 | 373 | 527 | 707 |
| | | | Output Torque Nm | 13600 | 16900 | 22600 | 22900 | 31200 | 44800 | 61400 | 80200 | 122000 | 172000 | 231000 |
| | | Thermal with coil | Input Power kW | 103 | 109 | 123 | 126 | 147 | 254 | 265 | 562 | 684 | 993 | 1110 |
| | | | Output Torque Nm | 33900 | 35700 | 40600 | 41000 | 47900 | 83800 | 86500 | 184000 | 224000 | 324000 | 362000 |
| | | Thermal | Input Power kW | 146 | 153 | 162 | 158 | 172 | 291 | 346 | 646 | 859 | 1280 | 1640 |
| | | Fan & Coil | Output Torque Nm | 48400 | 49900 | 53600 | 51500 | 56200 | 96100 | 113000 | 211000 | 280000 | 417000 | 536000 |

Note: Cooling coils cannot be fitted to vertical units

H3 RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 68. | Mechanical | Input Power kW | 28.0 | 46.7 | 47.1 | 48.0 | 120 | 172 | 246 | 298 | 439 | 665 | 905 |
| | | | Output Torque Nm | 3800 | 6220 | 6480 | 6390 | 16500 | 23300 | 32700 | 39700 | 59000 | 89300 | 125000 |
| | | Thermal | Input Power kW | 31.3 | 41.3 | 52.6 | 52.6 | 60.2 | 76.5 | 91.6 | 121 | 144 | 191 | 291 |
| | | No Fan | Output Torque Nm | 4240 | 5500 | 7240 | 7010 | 8270 | 10300 | 12100 | 16000 | 19300 | 25500 | 40100 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | |
| 28.4 | 61. | Mechanical | Input Power kW | 25.5 | 42.3 | 43.8 | 51.7 | 119 | 152 | 222 | 261 | 391 | 600 | 831 |
| | | | Output Torque Nm | 3800 | 6210 | 6480 | 7670 | 17700 | 23300 | 32700 | 39700 | 59000 | 89600 | 125000 |
| | | Thermal | Input Power kW | 30.5 | 40.2 | 51.2 | 51.3 | 58.6 | 74.5 | 89.2 | 117 | 141 | 186 | 284 |
| | | No Fan | Output Torque Nm | 4540 | 5910 | 7580 | 7610 | 8710 | 11400 | 13100 | 17800 | 21100 | 27700 | 42600 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 96 | |
| 31.4 | 55. | Mechanical | Input Power kW | 23.2 | 37.5 | 39.3 | 72.0 | 98.4 | 142 | 201 | 241 | 359 | 538 | 731 |
| | | | Output Torque Nm | 3800 | 6220 | 6480 | 11900 | 16600 | 23300 | 32700 | 39800 | 59100 | 89300 | 125000 |
| | | Thermal | Input Power kW | 29.6 | 39.1 | 49.8 | 49.7 | 56.9 | 72.3 | 86.6 | 114 | 136 | 180 | 275 |
| | | No Fan | Output Torque Nm | 4850 | 6490 | 8210 | 8240 | 9580 | 11900 | 14100 | 18800 | 22400 | 29900 | 47000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 34.7 | 50. | Mechanical | Input Power kW | 21.0 | 33.8 | 35.6 | 48.0 | 95.2 | 125 | 179 | 217 | 330 | 493 | 676 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 8660 | 17700 | 23300 | 32700 | 39800 | 59100 | 89700 | 125000 |
| | | Thermal | Input Power kW | 28.7 | 37.9 | 48.3 | 48.3 | 55.2 | 70.2 | 84.1 | 111 | 133 | 175 | 267 |
| | | No Fan | Output Torque Nm | 5190 | 6980 | 8790 | 8720 | 10300 | 13000 | 15300 | 20200 | 23700 | 31700 | 49300 |
| | | | Efficiency % | 96 | 96 | 96 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | |
| 38.4 | 45. | Mechanical | Input Power kW | 19.0 | 30.3 | 32.2 | 65.0 | 85.7 | 114 | 164 | 194 | 290 | 446 | 601 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 13000 | 17700 | 23300 | 32700 | 39800 | 59100 | 89600 | 125000 |
| | | Thermal | Input Power kW | 27.8 | 36.7 | 46.8 | 46.8 | 53.5 | 68.0 | 81.4 | 107 | 128 | 170 | 259 |
| | | No Fan | Output Torque Nm | 5590 | 7540 | 9430 | 9380 | 11000 | 13800 | 16200 | 21900 | 26100 | 34000 | 53800 |
| | | | Efficiency % | 96 | 96 | 96 | 95 | 95 | 96 | 95 | 96 | 96 | 96 | |
| 42.5 | 41. | Mechanical | Input Power kW | 17.2 | 27.7 | 29.3 | 56.3 | 77.7 | 103 | 146 | 175 | 270 | 398 | 546 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 12600 | 17700 | 23300 | 32700 | 39800 | 59100 | 89700 | 125000 |
| | | Thermal | Input Power kW | 27.0 | 35.6 | 45.3 | 45.3 | 51.8 | 65.9 | 78.9 | 104 | 124 | 164 | 251 |
| | | No Fan | Output Torque Nm | 5970 | 7990 | 10000 | 10200 | 11800 | 14800 | 17600 | 23500 | 27200 | 36900 | 57400 |
| | | | Efficiency % | 96 | 96 | 96 | 95 | 95 | 96 | 96 | 95 | 96 | 96 | |
| 47.1 | 37. | Mechanical | Input Power kW | 15.3 | 24.9 | 26.2 | 41.6 | 65.6 | 96.2 | 131 | 189 | 258 | 334 | 493 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 26.1 | 34.4 | 43.8 | 43.9 | 50.2 | 63.8 | 76.3 | 100 | 120 | 159 | 243 |
| | | No Fan | Output Torque Nm | 6510 | 8620 | 10900 | 11100 | 12700 | 15400 | 19100 | 25100 | 29600 | 40100 | 61600 |
| | | | Efficiency % | 95 | 95 | 96 | 96 | 95 | 96 | 95 | 95 | 95 | 95 | |
| 52.1 | 33. | Mechanical | Input Power kW | 13.8 | 22.8 | 23.6 | 37.6 | 61.0 | 85.9 | 118 | 171 | 230 | 301 | 458 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 25.2 | 33.3 | 42.4 | 42.4 | 48.5 | 61.6 | 73.8 | 97.0 | 116 | 154 | 235 |
| | | No Fan | Output Torque Nm | 6950 | 9120 | 11700 | 11800 | 13200 | 16700 | 20400 | 26900 | 32100 | 43000 | 64000 |
| | | | Efficiency % | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 57.7 | 30. | Mechanical | Input Power kW | 12.8 | 20.9 | 21.8 | 34.9 | 55.4 | 78.0 | 109 | 159 | 206 | 284 | 403 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 24.4 | 32.2 | 40.9 | 41.0 | 46.8 | 59.5 | 71.3 | 93.7 | 112 | 148 | 227 |
| | | No Fan | Output Torque Nm | 7260 | 9600 | 12200 | 12300 | 14000 | 17800 | 21400 | 27900 | 34600 | 44000 | 70300 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 95 | 96 | 95 | |
| 63.8 | 27. | Mechanical | Input Power kW | 11.5 | 16.9 | 20.0 | 31.2 | 50.2 | 70.4 | 97.3 | 143 | 192 | 253 | 366 |
| | | | Output Torque Nm | 3810 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 23.6 | 31.1 | 39.6 | 39.6 | 45.2 | 57.5 | 68.8 | 90.6 | 109 | 143 | 219 |
| | | No Fan | Output Torque Nm | 7800 | 10400 | 12900 | 13300 | 15000 | 19000 | 23200 | 29900 | 35900 | 47700 | 74800 |
| | | | Efficiency % | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 70.6 | 24. | Mechanical | Input Power kW | 10.6 | 14.9 | 18.0 | 25.3 | 47.7 | 52.9 | 80.0 | 103 | 161 | 222 | 315 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 9120 | 17000 | 19800 | 29300 | 37800 | 61100 | 80500 | 117000 |
| | | Thermal | Input Power kW | 22.7 | 30.0 | 38.2 | 38.2 | 43.7 | 55.5 | 66.5 | 87.4 | 105 | 139 | 211 |
| | | No Fan | Output Torque Nm | 8280 | 11300 | 13800 | 13800 | 15600 | 20800 | 24300 | 32000 | 39800 | 50100 | 78000 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 78.2 | 22. | Mechanical | Input Power kW | 9.5 | 13.8 | 16.4 | 25.6 | 41.2 | 59.1 | 81.2 | 121 | 143 | 208 | 297 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 59500 | 84500 | 125000 |
| | | Thermal | Input Power kW | 22.0 | 29.0 | 37.0 | 37.0 | 42.3 | 53.7 | 64.3 | 84.6 | 101 | 134 | 204 |
| | | No Fan | Output Torque Nm | 8990 | 11900 | 14600 | 15200 | 17000 | 21200 | 26000 | 33300 | 42100 | 54300 | 86100 |
| | | | Efficiency % | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 86.5 | 20. | Mechanical | Input Power kW | 8.5 | 12.7 | 15.1 | 20.4 | 38.4 | 43.1 | 64.2 | 81.8 | 135 | 176 | 263 |
| | | | Output Torque Nm | 3870 | 5630 | 6490 | 9120 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 21.4 | 28.3 | 36.0 | 36.0 | 41.2 | 52.4 | 62.7 | 82.4 | 98.8 | 131 | 199 |
| | | No Fan | Output Torque Nm | 9750 | 12600 | 15500 | 16100 | 18200 | 24100 | 28600 | 38100 | 44800 | 59700 | 88200 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 95.7 | 18. | Mechanical | Input Power kW | 7.8 | 10.8 | 13.6 | 18.6 | 35.5 | 40.1 | 59.5 | 78.2 | 119 | 163 | 232 |
| | | | Output Torque Nm | 3870 | 5280 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 21.0 | 27.8 | 35.4 | 35.4 | 40.4 | 51.4 | 61.5 | 80.9 | 97.0 | 128 | 196 |
| | | No Fan | Output Torque Nm | 10400 | 13700 | 17000 | 17400 | 19400 | 25400 | 30300 | 39200 | 49700 | 63400 | 98000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |

H3 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 106 | 16. | Mechanical | Input Power kW | 7.0 | 9.9 | 12.1 | 16.7 | 31.6 | 36.1 | 53.7 | 68.8 | 108 | 145 | 214 |
| | | | Output Torque Nm | 3870 | 5270 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 20.7 | 27.3 | 34.8 | 34.8 | 39.8 | 50.6 | 60.5 | 79.6 | 95.4 | 126 | 192 |
| | | No Fan | Output Torque Nm | 11500 | 14600 | 18700 | 19000 | 21400 | 27800 | 33000 | 43800 | 54200 | 70100 | 105000 |
| 117 | 14. | Mechanical | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 94 | 95 | 95 |
| | | | Input Power kW | 5.0 | 9.5 | 10.8 | 15.1 | 28.5 | 31.8 | 48.4 | 61.2 | 98.8 | 131 | 195 |
| | | Thermal | Output Torque Nm | 3010 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | No Fan | Input Power kW | 20.5 | 27.0 | 34.4 | 34.4 | 39.3 | 50.0 | 59.8 | 78.7 | 94.3 | 125 | 190 |
| 130 | 13. | Mechanical | Output Torque Nm | 12500 | 16000 | 20800 | 20900 | 23500 | 31200 | 36300 | 48800 | 58400 | 77000 | 114000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | | Thermal | Input Power kW | 4.4 | 6.9 | 8.5 | 15.1 | 19.0 | 29.4 | 37.5 | 56.7 | 72.3 | 121 | 152 |
| | | No Fan | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 19900 | 25200 | 38500 | 48500 | 81100 | 102000 |
| | | Mechanical | Input Power kW | 20.2 | 26.7 | 34.0 | 34.0 | 38.9 | 49.5 | 59.2 | 77.9 | 93.3 | 123 | 188 |
| | | | Output Torque Nm | 13800 | 17600 | 23400 | 22900 | 26200 | 33600 | 39800 | 52900 | 62700 | 82900 | 127000 |
| | | Thermal | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | | No Fan | | | | | | | | | | | | |

H3 THERMAL RATINGS AT 1750 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 68. | Thermal | Input Power kW | | | | 73.6 | 82.4 | 106 | 129 | 165 | 209 | 269 | 374 |
| | | | Output Torque Nm | | | | 9810 | 11300 | 14400 | 17100 | 22000 | 28000 | 36000 | 51600 |
| | | Thermal | Input Power kW | 48.3 | 62.3 | 70.6 | 69.6 | 88.2 | 201 | 203 | 393 | 442 | 695 | 820 |
| | | with coil | Output Torque Nm | 6560 | 8310 | 9720 | 9280 | 12100 | 27300 | 27000 | 52400 | 59400 | 93300 | 113000 |
| 28.4 | 61. | Thermal | Input Power kW | | | | 94.6 | 113 | 243 | 256 | 456 | 534 | 807 | 942 |
| | | Fan & Coil | Output Torque Nm | | | | 12600 | 15600 | 32900 | 34000 | 60800 | 71900 | 108000 | 130000 |
| | | Thermal | Input Power kW | | | | 72.7 | 81.3 | 105 | 127 | 163 | 206 | 265 | 369 |
| | | with fan | Output Torque Nm | | | | 10800 | 12100 | 16000 | 18700 | 24800 | 31000 | 39500 | 55400 |
| 31.4 | 55. | Thermal | Input Power kW | 47.5 | 61.2 | 69.2 | 68.3 | 86.6 | 199 | 201 | 389 | 435 | 684 | 802 |
| | | with coil | Output Torque Nm | 7080 | 9010 | 10200 | 10100 | 12900 | 30400 | 29500 | 59300 | 65700 | 102000 | 121000 |
| | | Thermal | Input Power kW | | | | 93.7 | 112 | 241 | 254 | 453 | 528 | 797 | 925 |
| | | Fan & Coil | Output Torque Nm | | | | 13900 | 16700 | 36900 | 37400 | 69000 | 79800 | 119000 | 139000 |
| 34.7 | 50. | Thermal | Input Power kW | | | | 71.5 | 80.0 | 103 | 125 | 160 | 203 | 261 | 363 |
| | | with fan | Output Torque Nm | | | | 11900 | 13500 | 16900 | 20300 | 26400 | 33300 | 43300 | 62000 |
| | | Thermal | Input Power kW | 46.6 | 60.1 | 67.8 | 66.7 | 84.9 | 196 | 198 | 385 | 428 | 671 | 782 |
| | | with coil | Output Torque Nm | 7640 | 9980 | 11200 | 11100 | 14300 | 32200 | 32100 | 63600 | 70400 | 111000 | 134000 |
| 38.4 | 45. | Thermal | Input Power kW | | | | 92.5 | 111 | 239 | 251 | 450 | 522 | 785 | 907 |
| | | Fan & Coil | Output Torque Nm | | | | 15300 | 18700 | 39300 | 40900 | 74300 | 85900 | 130000 | 155000 |
| | | Thermal | Input Power kW | | | | 70.4 | 78.8 | 102 | 123 | 158 | 200 | 257 | 358 |
| | | with fan | Output Torque Nm | | | | 12700 | 14700 | 18900 | 22500 | 28900 | 35700 | 46700 | 66100 |
| 42.5 | 41. | Thermal | Input Power kW | 45.7 | 58.9 | 66.3 | 65.3 | 83.2 | 194 | 195 | 381 | 421 | 659 | 762 |
| | | with coil | Output Torque Nm | 8270 | 10800 | 12100 | 11800 | 15500 | 36100 | 35500 | 70000 | 75300 | 120000 | 141000 |
| | | Thermal | Input Power kW | | | | 91.4 | 110 | 237 | 249 | 446 | 515 | 774 | 888 |
| | | Fan & Coil | Output Torque Nm | | | | 16500 | 20500 | 44200 | 45500 | 82000 | 92300 | 141000 | 165000 |
| | | Thermal | Input Power kW | | | | 69.2 | 77.5 | 99.8 | 121 | 155 | 196 | 253 | 351 |
| | | with fan | Output Torque Nm | | | | 13900 | 16000 | 20300 | 24100 | 31700 | 40000 | 50700 | 73100 |
| | | Thermal | Input Power kW | 44.8 | 57.7 | 64.8 | 63.8 | 81.5 | 191 | 192 | 376 | 413 | 645 | 740 |
| | | with coil | Output Torque Nm | 9010 | 11900 | 13100 | 12800 | 16800 | 38900 | 38200 | 77200 | 84100 | 130000 | 154000 |
| | | Thermal | Input Power kW | | | | 90.2 | 108 | 235 | 246 | 443 | 507 | 760 | 868 |
| | | Fan & Coil | Output Torque Nm | | | | 18100 | 22400 | 47900 | 49100 | 90700 | 103000 | 153000 | 181000 |
| | | Thermal | Input Power kW | | | | 68.0 | 76.1 | 98.1 | 119 | 152 | 193 | 248 | 345 |
| | | with fan | Output Torque Nm | | | | 15300 | 17400 | 22100 | 26600 | 34600 | 42200 | 55900 | 79100 |
| | | Thermal | Input Power kW | 44.0 | 56.6 | 63.3 | 62.3 | 79.8 | 188 | 189 | 372 | 405 | 631 | 719 |
| | | with coil | Output Torque Nm | 9750 | 12700 | 14000 | 14000 | 18200 | 42500 | 42200 | 84700 | 88700 | 142000 | 165000 |
| | | Thermal | Input Power kW | | | | 89.0 | 107 | 233 | 244 | 439 | 499 | 747 | 847 |
| | | Fan & Coil | Output Torque Nm | | | | 20000 | 24500 | 52500 | 54600 | 99800 | 110000 | 168000 | 194000 |

Note: Cooling coils cannot be fitted to vertical units

H3 THERMAL RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|----------------|--------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 47.1 | 37. | Thermal with fan | Input Power kW | | | | 66.8 | 74.7 | 96.2 | 117 | 150 | 189 | 244 | 339 |
| | | Output Torque Nm | | | | | 16900 | 18900 | 23300 | 29300 | 37400 | 46700 | 61600 | 86100 |
| | | Thermal with coil | Input Power kW | 43.1 | 55.4 | 61.8 | 60.9 | 78.2 | 186 | 185 | 368 | 396 | 617 | 696 |
| | | Output Torque Nm | | 10800 | 13900 | 15300 | 15400 | 19800 | 45100 | 46600 | 92100 | 97900 | 156000 | 177000 |
| | | Fan & Coil | Input Power kW | | | | 87.8 | 106 | 230 | 241 | 435 | 491 | 733 | 826 |
| 52.1 | 33. | Thermal with fan | Input Power kW | | | | 65.5 | 73.2 | 94.3 | 114 | 147 | 185 | 239 | 332 |
| | | Output Torque Nm | | | | | 18300 | 20000 | 25600 | 31700 | 40600 | 51300 | 66900 | 90800 |
| | | Thermal with coil | Input Power kW | 42.2 | 54.3 | 60.4 | 59.4 | 76.5 | 183 | 182 | 363 | 388 | 602 | 674 |
| | | Output Torque Nm | | 11600 | 14900 | 16600 | 16600 | 20800 | 49800 | 50600 | 101000 | 107000 | 169000 | 184000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 86.5 | 104 | 228 | 238 | 431 | 482 | 717 | 803 |
| 57.7 | 30. | Thermal with fan | Input Power kW | | | | 64.1 | 71.7 | 92.4 | 112 | 144 | 182 | 234 | 325 |
| | | Output Torque Nm | | | | | 19300 | 21500 | 27600 | 33700 | 42800 | 56000 | 69400 | 101000 |
| | | Thermal with coil | Input Power kW | 41.4 | 53.2 | 58.9 | 58.0 | 74.8 | 180 | 179 | 358 | 379 | 586 | 650 |
| | | Output Torque Nm | | 12300 | 15900 | 17600 | 17500 | 22400 | 54000 | 53900 | 107000 | 117000 | 174000 | 202000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 85.1 | 103 | 225 | 235 | 426 | 473 | 701 | 780 |
| 63.8 | 27. | Thermal with fan | Input Power kW | | | | 62.7 | 70.2 | 90.4 | 110 | 140 | 178 | 229 | 318 |
| | | Output Torque Nm | | | | | 21200 | 23300 | 29900 | 37000 | 46500 | 58900 | 76200 | 109000 |
| | | Thermal with coil | Input Power kW | 40.6 | 52.1 | 57.6 | 56.6 | 73.2 | 178 | 176 | 354 | 370 | 571 | 627 |
| | | Output Torque Nm | | 13400 | 17400 | 18700 | 19100 | 24300 | 58900 | 59500 | 117000 | 123000 | 190000 | 215000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 83.7 | 101 | 223 | 232 | 421 | 463 | 685 | 756 |
| 70.6 | 24. | Thermal with fan | Input Power kW | | | | 61.4 | 68.7 | 88.4 | 107 | 137 | 174 | 224 | 311 |
| | | Output Torque Nm | | | | | 22100 | 24500 | 33100 | 39200 | 50400 | 66100 | 81100 | 115000 |
| | | Thermal with coil | Input Power kW | 39.7 | 51.0 | 56.2 | 55.2 | 71.7 | 175 | 173 | 349 | 360 | 554 | 604 |
| | | Output Torque Nm | | 14500 | 19300 | 20300 | 19900 | 25600 | 65700 | 63300 | 128000 | 137000 | 201000 | 223000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 82.4 | 99.7 | 220 | 228 | 417 | 453 | 668 | 732 |
| 78.2 | 22. | Thermal with fan | Input Power kW | | | | 29700 | 35600 | 82500 | 83600 | 153000 | 173000 | 242000 | 271000 |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 39.0 | 50.0 | 55.0 | 54.0 | 70.3 | 173 | 170 | 345 | 351 | 538 | 581 |
| | | Output Torque Nm | | 15900 | 20400 | 21700 | 22200 | 28300 | 68100 | 68800 | 136000 | 146000 | 218000 | 245000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 86.5 | 20. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 38.4 | 49.3 | 54.0 | 53.0 | 69.2 | 170 | 167 | 341 | 342 | 522 | 559 |
| | | Output Torque Nm | | 17500 | 21900 | 23300 | 23800 | 30700 | 78500 | 76400 | 158000 | 155000 | 239000 | 248000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 95.7 | 18. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 38.0 | 48.8 | 53.4 | 52.4 | 68.4 | 168 | 165 | 337 | 334 | 507 | 538 |
| | | Output Torque Nm | | 18900 | 24000 | 25600 | 25800 | 32800 | 83400 | 81400 | 164000 | 171000 | 251000 | 270000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 106 | 16. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 37.7 | 48.3 | 52.8 | 51.8 | 67.8 | 167 | 163 | 333 | 325 | 491 | 519 |
| | | Output Torque Nm | | 20900 | 25800 | 28400 | 28300 | 36500 | 91600 | 89200 | 184000 | 185000 | 274000 | 283000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 117 | 14. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 37.5 | 48.0 | 52.4 | 51.4 | 67.3 | 165 | 161 | 330 | 317 | 476 | 500 |
| | | Output Torque Nm | | 22900 | 28500 | 31700 | 31200 | 40300 | 103000 | 97900 | 205000 | 197000 | 295000 | 299000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 130 | 13. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 37.2 | 47.7 | 52.0 | 51.0 | 66.9 | 163 | 159 | 327 | 309 | 461 | 481 |
| | | Output Torque Nm | | 25400 | 31400 | 35800 | 34400 | 45000 | 111000 | 107000 | 222000 | 208000 | 311000 | 324000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |

Note: Cooling coils cannot be fitted to vertical units

H3 RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 56. | Mechanical | Input Power kW | 23.2 | 38.7 | 39.0 | 39.7 | 99.5 | 142 | 204 | 247 | 364 | 552 | 751 |
| | | | Output Torque Nm | 3800 | 6220 | 6480 | 6390 | 16500 | 23300 | 32700 | 39800 | 59100 | 89300 | 125000 |
| | | Thermal | Input Power kW | 26.8 | 35.4 | 45.0 | 45.0 | 51.5 | 65.5 | 78.4 | 103 | 124 | 163 | 249 |
| | | No Fan | Output Torque Nm | 4390 | 5690 | 7480 | 7240 | 8540 | 10700 | 12500 | 16500 | 20000 | 26300 | 41400 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 97 | |
| 28.4 | 51. | Mechanical | Input Power kW | 21.1 | 35.1 | 36.3 | 42.8 | 98.5 | 126 | 184 | 216 | 325 | 497 | 689 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 7670 | 17700 | 23300 | 32700 | 39800 | 59100 | 89600 | 125000 |
| | | Thermal | Input Power kW | 26.1 | 34.4 | 43.8 | 43.9 | 50.1 | 63.7 | 76.3 | 100 | 120 | 159 | 243 |
| | | No Fan | Output Torque Nm | 4690 | 6110 | 7830 | 7860 | 9000 | 11700 | 13500 | 18400 | 21800 | 28500 | 43900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 31.4 | 46. | Mechanical | Input Power kW | 19.3 | 31.1 | 32.5 | 59.7 | 81.5 | 117 | 167 | 199 | 298 | 446 | 607 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 11900 | 16600 | 23300 | 32700 | 39800 | 59100 | 89300 | 125000 |
| | | Thermal | Input Power kW | 25.3 | 33.4 | 42.6 | 42.6 | 48.7 | 61.9 | 74.1 | 97.4 | 117 | 154 | 235 |
| | | No Fan | Output Torque Nm | 5010 | 6700 | 8490 | 8510 | 9900 | 12200 | 14500 | 19400 | 23100 | 30800 | 48400 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 95 | 96 | 96 | 96 | 96 | |
| 34.7 | 41. | Mechanical | Input Power kW | 17.4 | 28.0 | 29.5 | 39.7 | 78.9 | 104 | 148 | 180 | 274 | 409 | 561 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 8670 | 17700 | 23300 | 32700 | 39800 | 59100 | 89700 | 125000 |
| | | Thermal | Input Power kW | 24.6 | 32.4 | 41.3 | 41.3 | 47.3 | 60.1 | 71.9 | 94.6 | 113 | 150 | 229 |
| | | No Fan | Output Torque Nm | 5370 | 7210 | 9080 | 9010 | 10600 | 13500 | 15800 | 20900 | 24400 | 32800 | 50900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 95 | 96 | 96 | 96 | 96 | |
| 38.4 | 37. | Mechanical | Input Power kW | 15.7 | 25.1 | 26.6 | 53.8 | 71.0 | 94.7 | 136 | 161 | 241 | 370 | 498 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 13000 | 17700 | 23300 | 32700 | 39800 | 59100 | 89600 | 125000 |
| | | Thermal | Input Power kW | 23.8 | 31.4 | 40.0 | 40.0 | 45.8 | 58.2 | 69.7 | 91.6 | 110 | 145 | 221 |
| | | No Fan | Output Torque Nm | 5770 | 7790 | 9740 | 9700 | 11400 | 14300 | 16700 | 22600 | 26900 | 35100 | 55500 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 95 | 96 | 95 | 96 | |
| 42.5 | 34. | Mechanical | Input Power kW | 14.2 | 23.0 | 24.3 | 46.7 | 64.4 | 85.6 | 121 | 145 | 224 | 330 | 453 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 12700 | 17700 | 23300 | 32700 | 39800 | 59100 | 89700 | 125000 |
| | | Thermal | Input Power kW | 23.1 | 30.5 | 38.8 | 38.8 | 44.4 | 56.4 | 67.5 | 88.8 | 106 | 141 | 215 |
| | | No Fan | Output Torque Nm | 6170 | 8260 | 10400 | 10500 | 12200 | 15300 | 18200 | 24300 | 28100 | 38100 | 59200 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 96 | 96 | 95 | 95 | 95 | |
| 47.1 | 30. | Mechanical | Input Power kW | 12.6 | 20.6 | 21.7 | 34.5 | 54.3 | 79.7 | 108 | 157 | 214 | 277 | 408 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 22.3 | 29.5 | 37.5 | 37.5 | 42.9 | 54.6 | 65.3 | 85.9 | 103 | 136 | 208 |
| | | No Fan | Output Torque Nm | 6730 | 8900 | 11200 | 11400 | 13100 | 15900 | 19800 | 25900 | 30600 | 41400 | 63600 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 95 | 95 | 95 | 95 | |
| 52.1 | 27. | Mechanical | Input Power kW | 11.5 | 18.9 | 19.5 | 31.1 | 50.5 | 71.1 | 98.1 | 142 | 190 | 250 | 380 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 21.6 | 28.5 | 36.3 | 36.3 | 41.5 | 52.7 | 63.1 | 83.0 | 99.5 | 132 | 201 |
| | | No Fan | Output Torque Nm | 7180 | 9420 | 12100 | 12200 | 13600 | 17300 | 21100 | 27800 | 33200 | 44400 | 66100 |
| | | | Efficiency % | 95 | 95 | 96 | 96 | 95 | 96 | 95 | 96 | 95 | 95 | |
| 57.7 | 25. | Mechanical | Input Power kW | 10.6 | 17.3 | 18.0 | 28.9 | 45.9 | 64.6 | 90.5 | 132 | 171 | 236 | 334 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84400 | 125000 |
| | | Thermal | Input Power kW | 20.9 | 27.5 | 35.1 | 35.1 | 40.1 | 50.9 | 61.0 | 80.2 | 96.1 | 127 | 194 |
| | | No Fan | Output Torque Nm | 7500 | 9920 | 12600 | 12700 | 14500 | 18400 | 22100 | 28800 | 35700 | 45500 | 72600 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 63.8 | 22. | Mechanical | Input Power kW | 9.5 | 14.0 | 16.5 | 25.8 | 41.6 | 58.3 | 80.6 | 119 | 159 | 210 | 304 |
| | | | Output Torque Nm | 3810 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63600 | 84500 | 125000 |
| | | Thermal | Input Power kW | 20.2 | 26.6 | 33.9 | 33.9 | 38.7 | 49.2 | 58.9 | 77.5 | 92.9 | 123 | 187 |
| | | No Fan | Output Torque Nm | 8060 | 10700 | 13300 | 13800 | 15500 | 19600 | 24000 | 30900 | 37100 | 49300 | 77200 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 70.6 | 20. | Mechanical | Input Power kW | 8.8 | 12.4 | 14.9 | 21.0 | 39.5 | 43.8 | 66.3 | 85.5 | 133 | 184 | 261 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 9120 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 19.5 | 25.7 | 32.7 | 32.7 | 37.4 | 47.5 | 56.9 | 74.8 | 89.6 | 119 | 181 |
| | | No Fan | Output Torque Nm | 8550 | 11700 | 14300 | 14200 | 16100 | 21500 | 25100 | 33100 | 41100 | 51800 | 80500 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 78.2 | 18. | Mechanical | Input Power kW | 7.9 | 11.4 | 13.6 | 21.2 | 34.2 | 48.9 | 67.3 | 99.9 | 119 | 173 | 247 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 59500 | 84500 | 125000 |
| | | Thermal | Input Power kW | 18.8 | 24.9 | 31.6 | 31.6 | 36.2 | 46.0 | 55.0 | 72.4 | 86.8 | 115 | 175 |
| | | No Fan | Output Torque Nm | 9290 | 12200 | 15100 | 15700 | 17600 | 21900 | 26900 | 34400 | 43500 | 56000 | 88900 |
| | | | Efficiency % | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 86.5 | 16. | Mechanical | Input Power kW | 7.1 | 10.5 | 12.5 | 16.9 | 31.8 | 35.7 | 53.2 | 67.8 | 112 | 146 | 218 |
| | | | Output Torque Nm | 3870 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 18.4 | 24.2 | 30.8 | 30.8 | 35.3 | 44.8 | 53.6 | 70.5 | 84.5 | 112 | 171 |
| | | No Fan | Output Torque Nm | 10100 | 13000 | 16100 | 16700 | 18800 | 24900 | 29500 | 39400 | 46300 | 61700 | 91100 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 95.7 | 15. | Mechanical | Input Power kW | 6.5 | 8.8 | 11.2 | 15.4 | 29.4 | 33.2 | 49.3 | 64.8 | 98.9 | 135 | 193 |
| | | | Output Torque Nm | 3870 | 5240 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 18.0 | 23.8 | 30.3 | 30.3 | 34.6 | 44.0 | 52.7 | 69.3 | 83.0 | 110 | 167 |
| | | No Fan | Output Torque Nm | 10800 | 14100 | 17500 | 18000 | 20000 | 26300 | 31300 | 40500 | 51300 | 65500 | 101000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |

H3 RATINGS AT 1450REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 106 | 13. | Mechanical | Input Power kW | 5.8 | 8.1 | 10.0 | 13.9 | 26.2 | 29.9 | 44.4 | 57.0 | 89.1 | 120 | 177 |
| | | | Output Torque Nm | 3870 | 5230 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 17.7 | 23.4 | 29.8 | 29.8 | 34.0 | 43.3 | 51.8 | 68.1 | 81.6 | 108 | 165 |
| | | No Fan | Output Torque Nm | 11800 | 15100 | 19300 | 19600 | 22100 | 28700 | 34100 | 45300 | 56000 | 72500 | 108000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 117 | 12. | Mechanical | Input Power kW | 4.1 | 7.9 | 8.9 | 12.5 | 23.6 | 26.3 | 40.1 | 50.7 | 81.8 | 108 | 162 |
| | | | Output Torque Nm | 3010 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 17.5 | 23.1 | 29.4 | 29.4 | 33.7 | 42.8 | 51.2 | 67.4 | 80.7 | 107 | 163 |
| | | No Fan | Output Torque Nm | 12900 | 16500 | 21500 | 21600 | 24300 | 32200 | 37500 | 50400 | 60300 | 79500 | 117000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 130 | 11. | Mechanical | Input Power kW | 3.7 | 5.7 | 7.0 | 12.5 | 15.7 | 24.3 | 31.1 | 47.0 | 59.9 | 100 | 126 |
| | | | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 19900 | 25200 | 38500 | 48500 | 81100 | 102000 |
| | | Thermal | Input Power kW | 17.3 | 22.9 | 29.1 | 29.1 | 33.3 | 42.3 | 50.7 | 66.6 | 79.9 | 106 | 161 |
| | | No Fan | Output Torque Nm | 14200 | 18200 | 24200 | 23700 | 27000 | 34700 | 41100 | 54700 | 64800 | 85600 | 131000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |

H3 THERMAL RATINGS AT 1450REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 56. | Thermal | Input Power kW | | | | 61.3 | 68.6 | 88.3 | 107 | 137 | 174 | 224 | 311 |
| | | | Output Torque Nm | | | | 9860 | 11400 | 14400 | 17100 | 22100 | 28100 | 36100 | 51700 |
| | | Thermal | Input Power kW | 43.8 | 56.4 | 63.0 | 62.0 | 79.5 | 190 | 190 | 376 | 421 | 668 | 778 |
| | | | Output Torque Nm | 7170 | 9070 | 10500 | 9980 | 13200 | 31100 | 30500 | 60500 | 68300 | 108000 | 130000 |
| | | Thermal | Input Power kW | | | | 82.3 | 99.6 | 225 | 234 | 428 | 499 | 762 | 879 |
| 28.4 | 51. | Fan & Coil | Output Torque Nm | | | | 13200 | 16500 | 36900 | 37500 | 68900 | 81000 | 123000 | 146000 |
| | | Thermal | Input Power kW | | | | 60.5 | 67.7 | 87.2 | 106 | 135 | 171 | 221 | 307 |
| | | | Output Torque Nm | | | | 10800 | 12200 | 16100 | 18800 | 24900 | 31100 | 39700 | 55600 |
| | | Thermal | Input Power kW | 43.1 | 55.4 | 61.8 | 60.9 | 78.1 | 188 | 188 | 372 | 415 | 657 | 761 |
| | | | Output Torque Nm | 7760 | 9840 | 11100 | 10900 | 14000 | 34700 | 33400 | 68400 | 75500 | 118000 | 138000 |
| 31.4 | 46. | Thermal | Input Power kW | | | | 81.5 | 98.7 | 224 | 232 | 426 | 494 | 753 | 863 |
| | | | Fan & Coil | Output Torque Nm | | | 14600 | 17700 | 41300 | 41300 | 78300 | 89900 | 136000 | 157000 |
| | | Thermal | Input Power kW | | | | 59.6 | 66.6 | 85.8 | 104 | 133 | 169 | 217 | 302 |
| | | | Output Torque Nm | | | | 11900 | 13600 | 17000 | 20400 | 26600 | 33400 | 43400 | 62200 |
| | | Thermal | Input Power kW | 42.3 | 54.4 | 60.6 | 59.6 | 76.7 | 186 | 185 | 368 | 408 | 645 | 742 |
| 34.7 | 41. | | Output Torque Nm | 8370 | 10900 | 12100 | 11900 | 15600 | 36800 | 36400 | 73500 | 81000 | 129000 | 153000 |
| | | Thermal | Input Power kW | | | | 80.6 | 97.6 | 222 | 230 | 423 | 488 | 742 | 846 |
| | | | Fan & Coil | Output Torque Nm | | | 16100 | 19900 | 44000 | 45200 | 84400 | 96800 | 148000 | 174000 |
| | | Thermal | Input Power kW | | | | 58.6 | 65.6 | 84.5 | 102 | 131 | 166 | 214 | 298 |
| | | | | Output Torque Nm | | | 12800 | 14800 | 19000 | 22600 | 29000 | 35800 | 46900 | 66300 |
| 38.4 | 37. | Thermal | Input Power kW | 41.6 | 53.4 | 59.3 | 58.3 | 75.3 | 184 | 182 | 365 | 401 | 633 | 723 |
| | | | Output Torque Nm | 9080 | 11900 | 13000 | 12700 | 16900 | 41300 | 40200 | 80800 | 86700 | 139000 | 161000 |
| | | Thermal | Input Power kW | | | | 79.6 | 96.6 | 220 | 228 | 420 | 481 | 730 | 828 |
| | | | | Output Torque Nm | | | 17400 | 21700 | 49500 | 50300 | 93000 | 104000 | 160000 | 185000 |
| | | Thermal | Input Power kW | | | | 57.6 | 64.5 | 83.1 | 101 | 129 | 163 | 210 | 292 |
| 42.5 | 34. | | Output Torque Nm | | | | 14000 | 16100 | 20400 | 24200 | 31900 | 40100 | 50900 | 73400 |
| | | Thermal | Input Power kW | 40.8 | 52.4 | 58.0 | 57.0 | 73.8 | 181 | 180 | 361 | 394 | 621 | 703 |
| | | | Output Torque Nm | 9900 | 13000 | 14100 | 13800 | 18400 | 44600 | 43300 | 89300 | 96900 | 150000 | 177000 |
| | | Thermal | Input Power kW | | | | 78.6 | 95.5 | 218 | 226 | 417 | 474 | 718 | 809 |
| | | | Fan & Coil | Output Torque Nm | | | 19100 | 23800 | 53700 | 54400 | 103000 | 117000 | 174000 | 203000 |
| | | Thermal | Input Power kW | | | | 56.6 | 63.4 | 81.6 | 98.9 | 127 | 160 | 207 | 287 |
| | | | Output Torque Nm | | | | 15400 | 17500 | 22200 | 26700 | 34800 | 42400 | 56100 | 79400 |
| | | Thermal | Input Power kW | 40.1 | 51.5 | 56.8 | 55.8 | 72.4 | 179 | 177 | 357 | 387 | 608 | 682 |
| | | | Output Torque Nm | 10700 | 14000 | 15200 | 15100 | 19900 | 48700 | 47900 | 98100 | 102000 | 165000 | 189000 |
| | | Thermal | Input Power kW | | | | 77.6 | 94.4 | 216 | 224 | 413 | 467 | 705 | 789 |
| | | | Fan & Coil | Output Torque Nm | | | 21100 | 26000 | 58900 | 60500 | 114000 | 124000 | 192000 | 218000 |

Note: Cooling coils cannot be fitted to vertical units

H3 THERMAL RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|----------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 47.1 | 30. | Thermal with fan | | | | 55.6 | 62.2 | 80.1 | 97.1 | 124 | 158 | 203 | 282 |
| | | Output Torque Nm | | | | 16900 | 19000 | 23400 | 29400 | 37600 | 46900 | 61800 | 86500 |
| | | Thermal with coil | Input Power kW | 39.3 | 50.5 | 55.5 | 54.5 | 70.9 | 177 | 174 | 353 | 379 | 594 |
| | | Output Torque Nm | 11900 | 15300 | 16600 | 16600 | 21700 | 51700 | 52900 | 107000 | 113000 | 181000 | 203000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 76.6 | 93.2 | 214 | 221 | 410 | 459 | 692 |
| | | Output Torque Nm | | | | 23300 | 28500 | 62700 | 67100 | 124000 | 137000 | 211000 | 236000 |
| 52.1 | 27. | Thermal with fan | Input Power kW | | | 54.5 | 61.0 | 78.5 | 95.2 | 122 | 154 | 199 | 276 |
| | | Output Torque Nm | | | | 18400 | 20100 | 25700 | 31900 | 40800 | 51600 | 67200 | 91100 |
| | | Thermal with coil | Input Power kW | 38.6 | 49.5 | 54.3 | 53.3 | 69.5 | 174 | 172 | 349 | 371 | 580 |
| | | Output Torque Nm | 12800 | 16400 | 18000 | 18000 | 22900 | 57200 | 57500 | 117000 | 124000 | 196000 | 211000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 75.5 | 92.0 | 212 | 219 | 406 | 451 | 677 |
| | | Output Torque Nm | | | | 25500 | 30300 | 69500 | 73300 | 136000 | 151000 | 229000 | 247000 |
| 57.7 | 25. | Thermal with fan | Input Power kW | | | 53.4 | 59.7 | 76.9 | 93.2 | 119 | 151 | 195 | 271 |
| | | Output Torque Nm | | | | 19400 | 21600 | 27700 | 33800 | 43000 | 56300 | 69700 | 101000 |
| | | Thermal with coil | Input Power kW | 37.9 | 48.5 | 53.1 | 52.1 | 68.1 | 172 | 169 | 345 | 362 | 565 |
| | | Output Torque Nm | 13600 | 17500 | 19100 | 18900 | 24600 | 62100 | 61400 | 124000 | 135000 | 203000 | 232000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 74.4 | 90.7 | 210 | 216 | 402 | 443 | 662 |
| | | Output Torque Nm | | | | 27000 | 32800 | 75700 | 78500 | 145000 | 165000 | 238000 | 272000 |
| 63.8 | 22. | Thermal with fan | Input Power kW | | | 52.2 | 58.4 | 75.3 | 91.2 | 117 | 148 | 191 | 265 |
| | | Output Torque Nm | | | | 21300 | 23400 | 30100 | 37200 | 46700 | 59200 | 76600 | 109000 |
| | | Thermal with coil | Input Power kW | 37.2 | 47.6 | 51.9 | 50.9 | 66.7 | 170 | 166 | 341 | 354 | 550 |
| | | Output Torque Nm | 14900 | 19200 | 20400 | 20700 | 26700 | 67800 | 67800 | 136000 | 142000 | 221000 | 246000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 73.2 | 89.4 | 207 | 213 | 398 | 434 | 647 |
| | | Output Torque Nm | | | | 29800 | 35800 | 82900 | 87000 | 159000 | 174000 | 260000 | 291000 |
| 70.6 | 20. | Thermal with fan | Input Power kW | | | 51.1 | 57.2 | 73.6 | 89.2 | 114 | 145 | 186 | 259 |
| | | Output Torque Nm | | | | 22200 | 24600 | 33300 | 39400 | 50700 | 66400 | 81500 | 115000 |
| | | Thermal with coil | Input Power kW | 36.5 | 46.7 | 50.7 | 49.7 | 65.4 | 167 | 163 | 337 | 345 | 534 |
| | | Output Torque Nm | 16000 | 21300 | 22100 | 21600 | 28200 | 75700 | 72200 | 149000 | 158000 | 234000 | 256000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 72.1 | 88.2 | 205 | 210 | 394 | 424 | 630 |
| | | Output Torque Nm | | | | 31400 | 38000 | 92800 | 93000 | 175000 | 195000 | 276000 | 304000 |
| 78.2 | 18. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 35.8 | 45.9 | 49.6 | 48.6 | 64.2 | 165 | 161 | 332 | 336 | 518 |
| | | Output Torque Nm | 17700 | 22600 | 23700 | 24100 | 31200 | 78600 | 78500 | 158000 | 169000 | 254000 | 280000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| 86.5 | 16. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 35.4 | 45.2 | 48.8 | 47.8 | 63.3 | 163 | 158 | 329 | 328 | 503 |
| | | Output Torque Nm | 19400 | 24300 | 25500 | 25900 | 33800 | 90600 | 87200 | 184000 | 180000 | 278000 | 284000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| 95.7 | 15. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 35.0 | 44.8 | 48.3 | 47.3 | 62.6 | 161 | 156 | 325 | 320 | 488 |
| | | Output Torque Nm | 21000 | 26600 | 28000 | 28100 | 36300 | 96300 | 93000 | 191000 | 198000 | 292000 | 309000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| 106 | 13. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 34.7 | 44.4 | 47.8 | 46.8 | 62.0 | 159 | 154 | 322 | 311 | 473 |
| | | Output Torque Nm | 23200 | 28600 | 31100 | 30900 | 40400 | 106000 | 102000 | 214000 | 214000 | 318000 | 323000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| 117 | 12. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 34.5 | 44.1 | 47.4 | 46.4 | 61.7 | 158 | 153 | 319 | 303 | 458 |
| | | Output Torque Nm | 25400 | 31600 | 34700 | 34000 | 44500 | 119000 | 112000 | 239000 | 227000 | 342000 | 341000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| 130 | 11. | Thermal with fan | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 34.3 | 43.9 | 47.1 | 46.1 | 61.3 | 156 | 151 | 315 | 295 | 443 |
| | | Output Torque Nm | 28200 | 34800 | 39100 | 37500 | 49800 | 128000 | 123000 | 259000 | 240000 | 360000 | 369000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |

Note: Cooling coils cannot be fitted to vertical units

H3 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 37. | Mechanical | Input Power kW | 15.4 | 25.6 | 25.8 | 26.3 | 65.8 | 94.1 | 135 | 164 | 242 | 366 | 499 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 6390 | 16500 | 23300 | 32700 | 39800 | 59100 | 89300 | 125000 |
| | | Thermal | Input Power kW | 19.2 | 25.3 | 32.2 | 32.2 | 36.8 | 46.8 | 56.0 | 73.7 | 88.3 | 117 | 178 |
| | | No Fan | Output Torque Nm | 4740 | 6150 | 8090 | 7830 | 9240 | 11600 | 13500 | 17900 | 21500 | 28400 | 44600 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 28.4 | 33. | Mechanical | Input Power kW | 14.0 | 23.2 | 24.0 | 28.4 | 65.2 | 83.5 | 122 | 144 | 216 | 330 | 458 |
| | | | Output Torque Nm | 3800 | 6230 | 6480 | 7680 | 17700 | 23300 | 32700 | 39800 | 59100 | 89600 | 125000 |
| | | Thermal | Input Power kW | 18.7 | 24.6 | 31.4 | 31.4 | 35.9 | 45.6 | 54.6 | 71.8 | 86.0 | 114 | 174 |
| | | No Fan | Output Torque Nm | 5080 | 6610 | 8470 | 8500 | 9730 | 12700 | 14600 | 19900 | 23600 | 30800 | 47300 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 95 | 96 | 95 | 96 | 96 | |
| 31.4 | 30. | Mechanical | Input Power kW | 12.7 | 20.6 | 21.5 | 39.5 | 53.9 | 77.7 | 110 | 132 | 197 | 296 | 403 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 11900 | 16600 | 23300 | 32800 | 39800 | 59200 | 89300 | 125000 |
| | | Thermal | Input Power kW | 18.1 | 23.9 | 30.5 | 30.5 | 34.8 | 44.3 | 53.0 | 69.7 | 83.5 | 110 | 168 |
| | | No Fan | Output Torque Nm | 5420 | 7250 | 9180 | 9210 | 10700 | 13200 | 15700 | 21000 | 25000 | 33200 | 52200 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 34.7 | 27. | Mechanical | Input Power kW | 11.5 | 18.6 | 19.5 | 26.3 | 52.2 | 68.6 | 98.3 | 119 | 182 | 271 | 372 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 8670 | 17700 | 23300 | 32800 | 39800 | 59200 | 89700 | 125000 |
| | | Thermal | Input Power kW | 17.6 | 23.2 | 29.6 | 29.6 | 33.8 | 43.0 | 51.4 | 67.7 | 81.1 | 107 | 164 |
| | | No Fan | Output Torque Nm | 5800 | 7800 | 9820 | 9750 | 11500 | 14600 | 17100 | 22600 | 26400 | 35400 | 55000 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 96 | 96 | 95 | 96 | 96 | |
| 38.4 | 24. | Mechanical | Input Power kW | 10.4 | 16.6 | 17.6 | 35.6 | 47.0 | 62.7 | 90.1 | 107 | 159 | 245 | 331 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 13000 | 17700 | 23300 | 32800 | 39800 | 59200 | 89600 | 125000 |
| | | Thermal | Input Power kW | 17.0 | 22.5 | 28.7 | 28.7 | 32.8 | 41.6 | 49.8 | 65.5 | 78.5 | 104 | 158 |
| | | No Fan | Output Torque Nm | 6240 | 8430 | 10500 | 10500 | 12300 | 15400 | 18100 | 24500 | 29100 | 37900 | 59900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 96 | 95 | 96 | 96 | |
| 42.5 | 22. | Mechanical | Input Power kW | 9.4 | 15.2 | 16.1 | 30.9 | 42.6 | 56.6 | 80.3 | 96.1 | 148 | 219 | 300 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 12700 | 17700 | 23300 | 32800 | 39800 | 59200 | 89700 | 125000 |
| | | Thermal | Input Power kW | 16.5 | 21.8 | 27.8 | 27.8 | 31.7 | 40.3 | 48.3 | 63.5 | 76.1 | 101 | 153 |
| | | No Fan | Output Torque Nm | 6680 | 8930 | 11200 | 11400 | 13200 | 16600 | 19700 | 26300 | 30300 | 41100 | 63900 |
| | | | Efficiency % | 96 | 96 | 95 | 96 | 95 | 95 | 96 | 96 | 95 | 95 | |
| 47.1 | 20. | Mechanical | Input Power kW | 8.4 | 13.7 | 14.4 | 22.8 | 36.0 | 52.7 | 71.7 | 104 | 142 | 184 | 271 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 16.0 | 21.1 | 26.9 | 26.9 | 30.7 | 39.0 | 46.7 | 61.5 | 73.6 | 97.3 | 149 |
| | | No Fan | Output Torque Nm | 7280 | 9630 | 12100 | 12400 | 14200 | 17200 | 21400 | 28000 | 33100 | 44700 | 68600 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 96 | 95 | 95 | 95 | 95 | |
| 52.1 | 18. | Mechanical | Input Power kW | 7.6 | 12.5 | 12.9 | 20.6 | 33.4 | 47.1 | 64.9 | 93.8 | 126 | 165 | 252 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 15.5 | 20.4 | 26.0 | 26.0 | 29.7 | 37.7 | 45.2 | 59.4 | 71.2 | 94.1 | 144 |
| | | No Fan | Output Torque Nm | 7770 | 10200 | 13000 | 13200 | 14700 | 18700 | 22800 | 30000 | 35900 | 48000 | 71300 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 96 | 96 | 95 | |
| 57.7 | 16. | Mechanical | Input Power kW | 7.0 | 11.5 | 11.9 | 19.1 | 30.4 | 42.7 | 59.9 | 87.3 | 113 | 156 | 221 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 14.9 | 19.7 | 25.1 | 25.1 | 28.7 | 36.5 | 43.6 | 57.4 | 68.8 | 90.9 | 139 |
| | | No Fan | Output Torque Nm | 8120 | 10700 | 13600 | 13800 | 15700 | 19900 | 23900 | 31200 | 38600 | 49200 | 78500 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 96 | 96 | 96 | |
| 63.8 | 15. | Mechanical | Input Power kW | 6.3 | 9.3 | 10.9 | 17.1 | 27.5 | 38.6 | 53.3 | 78.6 | 105 | 139 | 201 |
| | | | Output Torque Nm | 3810 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 14.4 | 19.0 | 24.2 | 24.2 | 27.7 | 35.2 | 42.2 | 55.4 | 66.4 | 87.8 | 134 |
| | | No Fan | Output Torque Nm | 8710 | 11600 | 14400 | 14900 | 16700 | 21200 | 26000 | 33400 | 40100 | 53300 | 83500 |
| | | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 95 | 95 | 96 | 95 | 95 | |
| 70.6 | 13. | Mechanical | Input Power kW | 5.8 | 8.2 | 9.8 | 13.9 | 26.1 | 29.0 | 43.9 | 56.6 | 88.2 | 122 | 173 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 13.9 | 18.4 | 23.4 | 23.4 | 26.7 | 34.0 | 40.7 | 53.5 | 64.1 | 84.8 | 129 |
| | | No Fan | Output Torque Nm | 9250 | 12700 | 15400 | 15400 | 17400 | 23200 | 27200 | 35800 | 44400 | 56000 | 87100 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 96 | |
| 78.2 | 12. | Mechanical | Input Power kW | 5.2 | 7.6 | 9.0 | 14.0 | 22.6 | 32.4 | 44.5 | 66.1 | 78.6 | 114 | 163 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 59600 | 84500 | 125000 |
| | | Thermal | Input Power kW | 13.5 | 17.8 | 22.6 | 22.6 | 25.9 | 32.9 | 39.4 | 51.8 | 62.1 | 82.0 | 125 |
| | | No Fan | Output Torque Nm | 10000 | 13200 | 16300 | 17000 | 19000 | 23700 | 29000 | 37200 | 47000 | 60600 | 96100 |
| | | | Efficiency % | 96 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 96 | 95 | |
| 86.5 | 11. | Mechanical | Input Power kW | 4.7 | 6.9 | 8.3 | 11.2 | 21.1 | 23.6 | 35.2 | 44.9 | 73.9 | 96.6 | 144 |
| | | | Output Torque Nm | 3870 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 13.1 | 17.3 | 22.1 | 22.1 | 25.2 | 32.1 | 38.4 | 50.5 | 60.5 | 79.9 | 122 |
| | | No Fan | Output Torque Nm | 10900 | 14100 | 17400 | 18000 | 20400 | 26900 | 31900 | 42600 | 50000 | 66700 | 98500 |
| | | | Efficiency % | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | |
| 95.7 | 10. | Mechanical | Input Power kW | 4.3 | 5.8 | 7.4 | 10.2 | 19.4 | 22.0 | 32.6 | 42.9 | 65.4 | 89.4 | 128 |
| | | | Output Torque Nm | 3870 | 5170 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 12.9 | 17.0 | 21.7 | 21.7 | 24.8 | 31.5 | 37.7 | 49.6 | 59.4 | 78.5 | 120 |
| | | No Fan | Output Torque Nm | 11700 | 15300 | 19000 | 19400 | 21700 | 28400 | 33800 | 43800 | 55500 | 70800 | 109000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |

H3 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 106 | 9. | Mechanical | Input Power kW | 3.8 | 5.3 | 6.6 | 9.2 | 17.3 | 19.8 | 29.4 | 37.7 | 58.9 | 79.4 | 117 |
| | | | Output Torque Nm | 3870 | 5160 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 12.7 | 16.7 | 21.3 | 21.3 | 24.4 | 31.0 | 37.1 | 48.7 | 58.4 | 77.2 | 118 |
| | | No Fan | Output Torque Nm | 12800 | 16300 | 20900 | 21200 | 23900 | 31000 | 36900 | 49000 | 60600 | 78400 | 117000 |
| 117 | 8. | Mechanical | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 |
| | | | Input Power kW | 2.7 | 5.2 | 5.9 | 8.3 | 15.6 | 17.4 | 26.5 | 33.5 | 54.1 | 71.6 | 107 |
| | | Thermal | Output Torque Nm | 3010 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | No Fan | Input Power kW | 12.5 | 16.6 | 21.1 | 21.1 | 24.1 | 30.6 | 36.6 | 48.2 | 57.7 | 76.3 | 116 |
| 130 | 7. | Mechanical | Output Torque Nm | 13900 | 17900 | 23200 | 23300 | 26300 | 34900 | 40500 | 54500 | 65200 | 86000 | 127000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 95 | 95 | 95 |
| | | Thermal | Input Power kW | 2.4 | 3.8 | 4.7 | 8.3 | 10.4 | 16.1 | 20.6 | 31.1 | 39.6 | 66.2 | 83.5 |
| | | No Fan | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 20000 | 25200 | 38500 | 48600 | 81200 | 102000 |
| | | Mechanical | Input Power kW | 12.4 | 16.4 | 20.8 | 20.9 | 23.8 | 30.3 | 36.3 | 47.7 | 57.1 | 75.5 | 115 |
| | | | Output Torque Nm | 15400 | 19600 | 26100 | 25600 | 29200 | 37600 | 44500 | 59100 | 70100 | 92600 | 141000 |
| | | Thermal | Efficiency % | 95 | 95 | 95 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 |

H3 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 37. | Thermal | Input Power kW | | | | 41.0 | 45.9 | 59.1 | 71.7 | 91.9 | 116 | 150 | 208 |
| | | | Output Torque Nm | | | | 9980 | 11500 | 14600 | 17300 | 22300 | 28400 | 36400 | 52100 |
| | | Thermal | Input Power kW | 36.2 | 46.3 | 50.2 | 49.2 | 64.8 | 171 | 168 | 346 | 386 | 621 | 707 |
| | | with coil | Output Torque Nm | 8960 | 11300 | 12600 | 12000 | 16300 | 42400 | 40600 | 84200 | 94400 | 151000 | 177000 |
| 28.4 | 33. | Thermal | Input Power kW | | | | 62.0 | 76.9 | 196 | 199 | 383 | 442 | 688 | 776 |
| | | Fan & Coil | Output Torque Nm | | | | 15100 | 19300 | 48500 | 48100 | 93100 | 108000 | 168000 | 195000 |
| | | Thermal | Input Power kW | | | | 40.5 | 45.3 | 58.4 | 70.7 | 90.7 | 115 | 148 | 205 |
| | | with fan | Output Torque Nm | | | | 11000 | 12300 | 16300 | 19000 | 25100 | 31400 | 40100 | 56100 |
| 31.4 | 30. | Thermal | Input Power kW | 35.7 | 45.6 | 49.4 | 48.4 | 63.9 | 170 | 166 | 344 | 381 | 612 | 692 |
| | | with coil | Output Torque Nm | 9710 | 12200 | 13300 | 13100 | 17300 | 47400 | 44600 | 95400 | 104000 | 166000 | 189000 |
| | | Thermal | Input Power kW | | | | 61.5 | 76.3 | 195 | 197 | 381 | 437 | 679 | 762 |
| | | Fan & Coil | Output Torque Nm | | | | 16700 | 20700 | 54300 | 53100 | 106000 | 120000 | 185000 | 208000 |
| 34.7 | 27. | Thermal | Input Power kW | | | | 39.9 | 44.6 | 57.5 | 69.7 | 89.3 | 113 | 145 | 202 |
| | | with fan | Output Torque Nm | | | | 12100 | 13700 | 17200 | 20700 | 26900 | 33800 | 43800 | 62700 |
| | | Thermal | Input Power kW | 35.1 | 44.9 | 48.5 | 47.5 | 62.8 | 168 | 164 | 341 | 375 | 601 | 675 |
| | | with coil | Output Torque Nm | 10500 | 13600 | 14600 | 14400 | 19300 | 50400 | 48700 | 103000 | 112000 | 182000 | 210000 |
| 38.4 | 24. | Thermal | Input Power kW | | | | 60.9 | 75.6 | 193 | 196 | 379 | 432 | 670 | 746 |
| | | Fan & Coil | Output Torque Nm | | | | 18400 | 23300 | 58000 | 58200 | 114000 | 129000 | 202000 | 232000 |
| | | Thermal | Input Power kW | | | | 39.3 | 43.9 | 56.6 | 68.6 | 87.9 | 111 | 143 | 199 |
| | | with fan | Output Torque Nm | | | | 13000 | 14900 | 19200 | 22800 | 29400 | 36200 | 47300 | 67000 |
| 42.5 | 22. | Thermal | Input Power kW | 34.6 | 44.2 | 47.6 | 46.6 | 61.8 | 166 | 162 | 338 | 369 | 591 | 658 |
| | | with coil | Output Torque Nm | 11400 | 14900 | 15800 | 15400 | 21000 | 56500 | 54000 | 113000 | 120000 | 196000 | 222000 |
| | | Thermal | Input Power kW | | | | 60.3 | 74.9 | 192 | 194 | 376 | 426 | 660 | 730 |
| | | Fan & Coil | Output Torque Nm | | | | 19900 | 25500 | 65300 | 64800 | 126000 | 139000 | 218000 | 246000 |
| | | Thermal | Input Power kW | | | | 38.6 | 43.2 | 55.6 | 67.4 | 86.4 | 109 | 141 | 196 |
| | | with fan | Output Torque Nm | | | | 14100 | 16300 | 20700 | 24500 | 32300 | 40600 | 51400 | 74100 |
| | | Thermal | Input Power kW | 34.0 | 43.5 | 46.7 | 45.7 | 60.8 | 165 | 160 | 335 | 363 | 579 | 640 |
| | | with coil | Output Torque Nm | 12500 | 16300 | 17200 | 16700 | 22900 | 61200 | 58200 | 125000 | 135000 | 212000 | 242000 |
| | | Thermal | Input Power kW | | | | 59.6 | 74.2 | 191 | 193 | 374 | 420 | 649 | 712 |
| | | Fan & Coil | Output Torque Nm | | | | 21800 | 28000 | 70900 | 70100 | 140000 | 156000 | 237000 | 270000 |
| | | Thermal | Input Power kW | | | | 37.9 | 42.4 | 54.7 | 66.2 | 84.9 | 107 | 138 | 192 |
| | | with fan | Output Torque Nm | | | | 15600 | 17700 | 22500 | 27000 | 35200 | 42900 | 56600 | 80100 |
| | | Thermal | Input Power kW | 33.5 | 42.8 | 45.8 | 44.8 | 59.7 | 163 | 158 | 332 | 356 | 567 | 621 |
| | | with coil | Output Torque Nm | 13600 | 17500 | 18500 | 18400 | 24900 | 67000 | 64500 | 138000 | 142000 | 233000 | 259000 |
| | | Thermal | Input Power kW | | | | 58.9 | 73.4 | 189 | 191 | 371 | 414 | 637 | 694 |
| | | Fan & Coil | Output Torque Nm | | | | 24200 | 30600 | 77900 | 78000 | 154000 | 165000 | 261000 | 290000 |

Note: Cooling coils cannot be fitted to vertical units

H3 THERMAL RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|----------------|--------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 47.1 | 20. | Thermal with fan | Input Power kW | | | | 37.2 | 41.7 | 53.7 | 65.0 | 83.3 | 105 | 136 | 189 |
| | | Output Torque Nm | | | | | 17100 | 19300 | 23700 | 29800 | 38000 | 47400 | 62400 | 87300 |
| | | Thermal with coil | Input Power kW | 33.0 | 42.1 | 44.9 | 43.9 | 58.7 | 161 | 156 | 329 | 349 | 555 | 602 |
| | | Output Torque Nm | | 15000 | 19200 | 20300 | 20200 | 27100 | 71300 | 71400 | 150000 | 157000 | 256000 | 279000 |
| | | Fan & Coil | Input Power kW | | | | 58.2 | 72.7 | 188 | 189 | 369 | 407 | 625 | 676 |
| 52.1 | 18. | Output Torque Nm | | | | | 26800 | 33600 | 83100 | 86700 | 168000 | 183000 | 288000 | 313000 |
| | | Thermal with fan | Input Power kW | | | | 36.5 | 40.8 | 52.6 | 63.7 | 81.7 | 103 | 133 | 185 |
| | | Output Torque Nm | | | | | 18600 | 20300 | 26000 | 32300 | 41300 | 52200 | 67900 | 92000 |
| | | Thermal with coil | Input Power kW | 32.5 | 41.4 | 44.0 | 43.0 | 57.7 | 159 | 154 | 325 | 342 | 542 | 583 |
| | | Output Torque Nm | | 16300 | 20700 | 22100 | 21900 | 28700 | 78900 | 77800 | 165000 | 173000 | 277000 | 290000 |
| 57.7 | 16. | Thermal Fan & Coil | Input Power kW | | | | 57.5 | 71.8 | 186 | 187 | 366 | 400 | 612 | 656 |
| | | Output Torque Nm | | | | | 29300 | 35700 | 92200 | 94800 | 185000 | 202000 | 313000 | 326000 |
| | | Thermal with fan | Input Power kW | | | | 35.7 | 40.0 | 51.5 | 62.4 | 80.0 | 101 | 130 | 181 |
| | | Output Torque Nm | | | | | 19600 | 21900 | 28100 | 34200 | 43500 | 56900 | 70600 | 103000 |
| | | Thermal with coil | Input Power kW | 31.9 | 40.7 | 43.1 | 42.1 | 56.7 | 157 | 152 | 322 | 335 | 529 | 563 |
| 63.8 | 15. | Output Torque Nm | | 17400 | 22200 | 23400 | 23100 | 31000 | 85900 | 83200 | 175000 | 189000 | 287000 | 319000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 56.7 | 71.0 | 184 | 185 | 363 | 393 | 598 | 636 |
| | | Output Torque Nm | | | | | 31200 | 38800 | 101000 | 102000 | 197000 | 221000 | 324000 | 360000 |
| | | Thermal with fan | Input Power kW | | | | 35.0 | 39.1 | 50.4 | 61.1 | 78.3 | 99.1 | 128 | 177 |
| | | Output Torque Nm | | | | | 21500 | 23700 | 30400 | 37600 | 47200 | 59900 | 77500 | 111000 |
| 70.6 | 13. | Thermal with coil | Input Power kW | 31.4 | 40.0 | 42.2 | 41.2 | 55.7 | 156 | 149 | 319 | 327 | 515 | 542 |
| | | Output Torque Nm | | 19000 | 24400 | 25100 | 25400 | 33700 | 93900 | 92100 | 192000 | 198000 | 313000 | 338000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 56.0 | 70.1 | 183 | 183 | 359 | 385 | 584 | 616 |
| | | Output Torque Nm | | | | | 34500 | 42400 | 110000 | 113000 | 217000 | 233000 | 355000 | 384000 |
| | | Thermal with fan | Input Power kW | | | | 34.2 | 38.3 | 49.3 | 59.7 | 76.6 | 96.9 | 125 | 173 |
| 78.2 | 12. | Output Torque Nm | | | | | 22500 | 24900 | 33700 | 39900 | 51300 | 67200 | 82500 | 117000 |
| | | Thermal with coil | Input Power kW | 30.5 | 38.8 | 40.6 | 39.6 | 53.9 | 152 | 145 | 312 | 312 | 486 | 501 |
| | | Output Torque Nm | | 22700 | 28900 | 29300 | 29700 | 39600 | 109000 | 107000 | 224000 | 237000 | 360000 | 385000 |
| | | Thermal Fan & Coil | Input Power kW | | | | 55.2 | 69.3 | 181 | 181 | 356 | 376 | 569 | 595 |
| | | Output Torque Nm | | | | | 36300 | 45100 | 124000 | 121000 | 238000 | 261000 | 376000 | 401000 |
| 86.5 | 11. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 30.1 | 38.3 | 40.1 | 39.1 | 53.2 | 150 | 143 | 309 | 304 | 471 | 482 |
| | | Output Torque Nm | | 25000 | 31100 | 31600 | 32000 | 43000 | 126000 | 119000 | 261000 | 252000 | 394000 | 389000 |
| | | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| 95.7 | 10. | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 29.9 | 38.0 | 39.7 | 38.7 | 52.8 | 148 | 141 | 306 | 296 | 457 | 463 |
| | | Output Torque Nm | | 27000 | 34200 | 34700 | 34700 | 46200 | 134000 | 127000 | 270000 | 277000 | 413000 | 423000 |
| 106 | 9. | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with fan | Input Power kW | 29.7 | 37.7 | 39.3 | 38.3 | 52.4 | 147 | 140 | 303 | 288 | 443 | 444 |
| | | Output Torque Nm | | 30000 | 36800 | 38600 | 38200 | 51500 | 147000 | 139000 | 304000 | 299000 | 450000 | 442000 |
| | | Thermal with coil | Input Power kW | | | | | | | | | | | |
| 117 | 8. | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 29.5 | 37.6 | 39.1 | 38.1 | 52.1 | 146 | 138 | 300 | 280 | 428 | 426 |
| | | Output Torque Nm | | 32900 | 40600 | 43100 | 42100 | 56900 | 166000 | 153000 | 339000 | 317000 | 483000 | 465000 |
| 130 | 7. | Thermal Fan & Coil | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 29.4 | 37.4 | 38.8 | 37.9 | 51.8 | 144 | 136 | 297 | 272 | 413 | 408 |
| | | Output Torque Nm | | 36500 | 44800 | 48700 | 46500 | 63700 | 179000 | 168000 | 368000 | 335000 | 508000 | 501000 |

Note: Cooling coils cannot be fitted to vertical units

H3 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 28. | Mechanical | Input Power kW | 11.6 | 19.4 | 19.5 | 19.9 | 49.7 | 71.1 | 102 | 124 | 183 | 277 | 377 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 6400 | 16500 | 23300 | 32800 | 39800 | 59200 | 89300 | 125000 |
| | | Thermal | Input Power kW | 15.6 | 20.6 | 26.3 | 26.3 | 30.0 | 38.2 | 45.7 | 60.1 | 72.0 | 95.2 | 145 |
| | | No Fan | Output Torque Nm | 5120 | 6640 | 8740 | 8460 | 9980 | 12500 | 14600 | 19300 | 23300 | 30600 | 48100 |
| 28.4 | 25. | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | | Input Power kW | 10.6 | 17.5 | 18.1 | 21.4 | 49.2 | 63.0 | 92.1 | 108 | 163 | 249 | 346 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 7680 | 17700 | 23300 | 32800 | 39800 | 59200 | 89600 | 125000 |
| | | Thermal | Input Power kW | 15.2 | 20.1 | 25.6 | 25.6 | 29.2 | 37.2 | 44.5 | 58.5 | 70.1 | 92.7 | 141 |
| 31.4 | 23. | No Fan | Output Torque Nm | 5480 | 7130 | 9150 | 9180 | 10500 | 13700 | 15800 | 21500 | 25400 | 33200 | 51100 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 9.6 | 15.5 | 16.2 | 29.8 | 40.7 | 58.7 | 83.4 | 99.8 | 149 | 223 | 305 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 11900 | 16600 | 23300 | 32800 | 39800 | 59200 | 89300 | 125000 |
| 34.7 | 20. | Thermal | Input Power kW | 14.8 | 19.5 | 24.8 | 24.8 | 28.4 | 36.1 | 43.2 | 56.8 | 68.1 | 90.0 | 137 |
| | | No Fan | Output Torque Nm | 5850 | 7830 | 9910 | 9940 | 11600 | 14300 | 17000 | 22700 | 27000 | 35900 | 56300 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 8.7 | 14.0 | 14.7 | 19.9 | 39.4 | 51.8 | 74.3 | 90.0 | 137 | 205 | 281 |
| 38.4 | 18. | | Output Torque Nm | 3810 | 6230 | 6480 | 8680 | 17700 | 23300 | 32800 | 39800 | 59200 | 89700 | 125000 |
| | | Thermal | Input Power kW | 14.3 | 18.9 | 24.1 | 24.1 | 27.6 | 35.0 | 41.9 | 55.1 | 66.1 | 87.3 | 133 |
| | | No Fan | Output Torque Nm | 6270 | 8420 | 10600 | 10500 | 12400 | 15700 | 18500 | 24400 | 28500 | 38200 | 59300 |
| | | | Efficiency % | 96 | 96 | 96 | 95 | 95 | 96 | 96 | 96 | 95 | 95 | 96 |
| 42.5 | 17. | Mechanical | Input Power kW | 7.8 | 12.6 | 13.3 | 26.9 | 35.5 | 47.3 | 68.1 | 80.5 | 120 | 185 | 250 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 13000 | 17700 | 23300 | 32800 | 39800 | 59200 | 89600 | 125000 |
| | | Thermal | Input Power kW | 13.9 | 18.4 | 23.4 | 23.4 | 26.7 | 33.9 | 40.6 | 53.4 | 64.0 | 84.6 | 129 |
| | | No Fan | Output Torque Nm | 6740 | 9100 | 11400 | 11300 | 13300 | 16700 | 19600 | 26400 | 31400 | 40900 | 64600 |
| 47.1 | 15. | | Efficiency % | 96 | 95 | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 6.3 | 10.3 | 10.8 | 17.2 | 27.2 | 39.8 | 54.2 | 78.4 | 107 | 139 | 205 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 13.0 | 17.2 | 21.9 | 21.9 | 25.0 | 31.8 | 38.1 | 50.1 | 60.0 | 79.3 | 121 |
| 52.1 | 13. | No Fan | Output Torque Nm | 7860 | 10400 | 13100 | 13400 | 15300 | 18600 | 23100 | 30300 | 35700 | 48300 | 74100 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 95 | 95 | 95 | 95 | 95 |
| | | Mechanical | Input Power kW | 5.7 | 9.4 | 9.8 | 15.6 | 25.3 | 35.5 | 49.0 | 70.8 | 95.2 | 125 | 190 |
| | | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| 57.7 | 12. | Thermal | Input Power kW | 12.6 | 16.6 | 21.2 | 21.2 | 24.2 | 30.8 | 36.8 | 48.4 | 58.0 | 76.7 | 117 |
| | | No Fan | Output Torque Nm | 8390 | 11000 | 14100 | 14300 | 15900 | 20200 | 24700 | 32400 | 38800 | 51800 | 77000 |
| | | | Efficiency % | 96 | 95 | 96 | 95 | 95 | 96 | 95 | 95 | 95 | 95 | 95 |
| | | Mechanical | Input Power kW | 5.3 | 8.6 | 9.0 | 14.5 | 23.0 | 32.3 | 45.2 | 65.9 | 85.5 | 118 | 167 |
| 63.8 | 11. | | Output Torque Nm | 3810 | 6230 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 12.2 | 16.1 | 20.5 | 20.5 | 23.4 | 29.7 | 35.6 | 46.8 | 56.1 | 74.1 | 113 |
| | | No Fan | Output Torque Nm | 8770 | 11600 | 14700 | 14900 | 16900 | 21500 | 25800 | 33700 | 41700 | 53100 | 84700 |
| | | | Efficiency % | 96 | 95 | 96 | 95 | 95 | 95 | 95 | 95 | 96 | 95 | 95 |
| 70.6 | 10. | Mechanical | Input Power kW | 4.8 | 7.0 | 8.3 | 12.9 | 20.8 | 29.2 | 40.3 | 59.4 | 79.5 | 105 | 152 |
| | | | Output Torque Nm | 3810 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 63700 | 84500 | 125000 |
| | | Thermal | Input Power kW | 11.8 | 15.5 | 19.8 | 19.8 | 22.6 | 28.7 | 34.4 | 45.2 | 54.2 | 71.6 | 109 |
| | | No Fan | Output Torque Nm | 9410 | 12500 | 15500 | 16100 | 18100 | 22900 | 28000 | 36100 | 43400 | 57600 | 90200 |
| 78.2 | 9. | | Efficiency % | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | | Mechanical | Input Power kW | 4.4 | 6.2 | 7.4 | 10.5 | 19.7 | 21.9 | 33.1 | 42.7 | 66.6 | 92.1 | 131 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 11.4 | 15.0 | 19.1 | 19.1 | 21.8 | 27.7 | 33.2 | 43.6 | 52.3 | 69.1 | 105 |
| 86.5 | 8. | No Fan | Output Torque Nm | 9990 | 13700 | 16700 | 16600 | 18800 | 25100 | 29300 | 38700 | 48000 | 60500 | 94000 |
| | | | Efficiency % | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | | Mechanical | Input Power kW | 3.5 | 5.7 | 6.8 | 10.6 | 17.1 | 24.4 | 33.6 | 49.9 | 59.4 | 86.3 | 123 |
| | | | Output Torque Nm | 3870 | 5630 | 6480 | 10500 | 16600 | 23300 | 32800 | 47400 | 59600 | 84500 | 125000 |
| 95.7 | 7. | Thermal | Input Power kW | 11.0 | 14.5 | 18.5 | 18.5 | 21.1 | 26.8 | 32.1 | 42.2 | 50.6 | 66.9 | 102 |
| | | No Fan | Output Torque Nm | 10800 | 14300 | 17600 | 18300 | 20600 | 25600 | 31400 | 40100 | 50800 | 65500 | 104000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| | | Mechanical | Input Power kW | 3.2 | 4.3 | 5.6 | 7.7 | 14.7 | 16.6 | 24.6 | 32.4 | 49.4 | 67.5 | 96.4 |
| 95.7 | 7. | | Output Torque Nm | 3870 | 5130 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 10.5 | 13.9 | 17.7 | 17.7 | 20.2 | 25.7 | 30.7 | 40.4 | 48.4 | 64.0 | 97.6 |
| | | No Fan | Output Torque Nm | 12600 | 16500 | 20500 | 21000 | 23400 | 30700 | 36500 | 47300 | 59900 | 76500 | 118000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 |

H3 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 106 | 6. | Mechanical | Input Power kW | 2.9 | 4.0 | 5.0 | 6.9 | 13.1 | 15.0 | 22.2 | 28.5 | 44.5 | 60.0 | 88.6 |
| | | | Output Torque Nm | 3870 | 5110 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 10.3 | 13.7 | 17.4 | 17.4 | 19.9 | 25.2 | 30.2 | 39.7 | 47.6 | 62.9 | 96.1 |
| | | No Fan | Output Torque Nm | 13800 | 17600 | 22600 | 22900 | 25900 | 33500 | 39900 | 52900 | 65500 | 84600 | 127000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| 117 | 6. | Mechanical | Input Power kW | 2.0 | 3.9 | 4.4 | 6.2 | 11.8 | 13.2 | 20.0 | 25.3 | 40.9 | 54.0 | 80.8 |
| | | | Output Torque Nm | 3010 | 5630 | 6490 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 10.2 | 13.5 | 17.2 | 17.2 | 19.6 | 25.0 | 29.9 | 39.3 | 47.1 | 62.2 | 95.0 |
| | | No Fan | Output Torque Nm | 15100 | 19300 | 25100 | 25200 | 28400 | 37700 | 43800 | 58900 | 70500 | 92900 | 137000 |
| | | | Efficiency % | 95 | 95 | 95 | 96 | 95 | 95 | 95 | 96 | 95 | 95 | |
| 130 | 5. | Mechanical | Input Power kW | 1.8 | 2.8 | 3.5 | 6.2 | 7.8 | 12.2 | 15.5 | 23.5 | 29.9 | 50.0 | 63.1 |
| | | | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 20000 | 25200 | 38500 | 48600 | 81200 | 102000 |
| | | Thermal | Input Power kW | 10.1 | 13.4 | 17.0 | 17.0 | 19.4 | 24.7 | 29.6 | 38.9 | 46.6 | 61.6 | 94.0 |
| | | No Fan | Output Torque Nm | 16600 | 21200 | 28200 | 27600 | 31600 | 40600 | 48000 | 63800 | 75700 | 100000 | 153000 |
| | | | Efficiency % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |

H3 THERMAL RATINGS AT 725 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 25.6 | 28. | Thermal | Input Power kW | | | | 31.2 | 34.9 | 44.9 | 54.4 | 69.8 | 88.3 | 114 | 158 | |
| | | | Output Torque Nm | | | | 10000 | 11600 | 14700 | 17400 | 22400 | 28600 | 36600 | 52400 | |
| | | Thermal | Input Power kW | 32.6 | 41.6 | 44.3 | 43.3 | 58.0 | 163 | 157 | 333 | 370 | 600 | 674 | |
| | | with coil | Output Torque Nm | 10700 | 13400 | 14700 | 13900 | 19300 | 53300 | 50500 | 107000 | 120000 | 193000 | 224000 | |
| | | Thermal | Input Power kW | | | | 52.2 | 65.9 | 182 | 181 | 361 | 414 | 652 | 726 | |
| 28.4 | 25. | Fan & Coil | Output Torque Nm | | | | 16800 | 21900 | 59500 | 58200 | 116000 | 134000 | 210000 | 241000 | |
| | | Thermal | Input Power kW | | | | 30.8 | 34.4 | 44.3 | 53.7 | 68.9 | 87.1 | 112 | 156 | |
| | | | Output Torque Nm | | | | 11000 | 12400 | 16400 | 19100 | 25300 | 31600 | 40300 | 56400 | |
| | | Thermal | Input Power kW | 32.2 | 41.1 | 43.6 | 42.6 | 57.2 | 161 | 156 | 330 | 365 | 591 | 660 | |
| | | with coil | Output Torque Nm | 11600 | 14600 | 15600 | 15300 | 20600 | 59600 | 55500 | 121000 | 133000 | 212000 | 239000 | |
| 31.4 | 23. | Thermal | Input Power kW | | | | 51.8 | 65.4 | 181 | 180 | 359 | 410 | 644 | 712 | |
| | | | Fan & Coil | | | | 18600 | 23500 | 66800 | 64200 | 132000 | 149000 | 231000 | 258000 | |
| | | Thermal | Input Power kW | | | | 30.3 | 33.9 | 43.7 | 52.9 | 67.8 | 85.8 | 110 | 154 | |
| | | | with fan | | | | 12100 | 13800 | 17300 | 20800 | 27000 | 34000 | 44100 | 63000 | |
| | | Thermal | Output Torque Nm | | | | 12100 | 13800 | 17300 | 20800 | 27000 | 34000 | 44100 | 63000 | |
| 34.7 | 20. | Thermal | Input Power kW | 31.8 | 40.5 | 42.8 | 41.8 | 56.4 | 160 | 154 | 328 | 359 | 581 | 644 | |
| | | | with coil | Output Torque Nm | 12600 | 16300 | 17100 | 16800 | 23000 | 63500 | 60600 | 131000 | 143000 | 232000 | 265000 |
| | | Thermal | Input Power kW | | | | 51.3 | 64.9 | 180 | 179 | 357 | 405 | 635 | 697 | |
| | | | Fan & Coil | | | | 20500 | 26400 | 71300 | 70400 | 143000 | 161000 | 254000 | 286000 | |
| | | Thermal | Output Torque Nm | | | | 22200 | 29000 | 80300 | 78500 | 157000 | 173000 | 274000 | 304000 | |
| 38.4 | 18. | Thermal | Input Power kW | | | | 29.8 | 33.4 | 43.0 | 52.1 | 66.8 | 84.5 | 109 | 151 | |
| | | | with fan | | | | 13000 | 15000 | 19300 | 23000 | 29600 | 36400 | 47500 | 67300 | |
| | | Thermal | Input Power kW | 31.3 | 39.9 | 42.1 | 41.1 | 55.6 | 158 | 152 | 325 | 354 | 571 | 628 | |
| | | | with coil | Output Torque Nm | 13700 | 17800 | 18500 | 18000 | 25000 | 71300 | 67300 | 144000 | 153000 | 250000 | 280000 |
| | | Thermal | Input Power kW | | | | 50.8 | 64.4 | 179 | 178 | 355 | 400 | 625 | 682 | |
| 42.5 | 17. | | Fan & Coil | | | | 22200 | 29000 | 80300 | 78500 | 157000 | 173000 | 274000 | 304000 | |
| | | Thermal | Input Power kW | | | | 29.3 | 32.8 | 42.3 | 51.2 | 65.6 | 83.0 | 107 | 149 | |
| | | | with fan | | | | 14200 | 16400 | 20800 | 24700 | 32500 | 40800 | 51700 | 74400 | |
| | | Thermal | Input Power kW | 30.9 | 39.4 | 41.4 | 40.4 | 54.7 | 157 | 151 | 323 | 348 | 560 | 611 | |
| | | | with coil | Output Torque Nm | 15000 | 19500 | 20200 | 19600 | 27300 | 77200 | 72600 | 160000 | 171000 | 271000 | 306000 |
| | | Thermal | Input Power kW | | | | 50.3 | 63.8 | 177 | 176 | 353 | 394 | 615 | 665 | |
| | | | Fan & Coil | | | | 24400 | 31900 | 87300 | 85000 | 175000 | 194000 | 298000 | 333000 | |
| | | Thermal | Output Torque Nm | | | | 27100 | 34900 | 96000 | 94700 | 193000 | 205000 | 328000 | 358000 | |
| | | | Thermal | | | | 28.8 | 32.2 | 41.5 | 50.3 | 64.5 | 81.6 | 105 | 146 | |
| | | | with fan | | | | 15600 | 17800 | 22600 | 27200 | 35400 | 43100 | 57000 | 80500 | |
| | | Thermal | Input Power kW | 30.5 | 38.8 | 40.6 | 39.6 | 53.9 | 155 | 149 | 320 | 342 | 549 | 593 | |
| | | | with coil | Output Torque Nm | 16300 | 21100 | 21700 | 21500 | 29700 | 84700 | 80600 | 176000 | 181000 | 298000 | 327000 |
| | | Thermal | Input Power kW | | | | 49.8 | 63.2 | 176 | 175 | 351 | 388 | 604 | 648 | |
| | | | Fan & Coil | | | | 27100 | 34900 | 96000 | 94700 | 193000 | 205000 | 328000 | 358000 | |
| | | Thermal | Output Torque Nm | | | | | | | | | | | | |

Note: Cooling coils cannot be fitted to vertical units

H3 THERMAL RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|-------------------|--------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 47.1 | 15. | Thermal with fan | | | | 28.3 | 31.6 | 40.7 | 49.4 | 63.3 | 80.1 | 103 | 143 |
| | | Input Power kW | | | | 17200 | 19400 | 23800 | 29900 | 38300 | 47700 | 62800 | 87700 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 30.0 | 38.2 | 39.9 | 38.9 | 53.0 | 154 | 147 | 317 | 336 | 537 | 575 |
| | | Input Power kW | 18100 | 23100 | 23900 | 23700 | 32500 | 90200 | 89300 | 192000 | 200000 | 327000 | 352000 |
| 52.1 | 13. | Thermal with fan | | | | 49.3 | 62.6 | 175 | 174 | 349 | 382 | 592 | 630 |
| | | Input Power kW | | | | 30100 | 38400 | 102000 | 105000 | 211000 | 228000 | 361000 | 386000 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 29.6 | 37.6 | 39.2 | 38.2 | 52.2 | 152 | 145 | 314 | 329 | 525 | 556 |
| | | Input Power kW | 19700 | 24900 | 26100 | 25800 | 34400 | 99900 | 97500 | 211000 | 220000 | 355000 | 366000 |
| 57.7 | 12. | Thermal with fan | | | | 48.7 | 62.0 | 173 | 172 | 346 | 375 | 580 | 612 |
| | | Input Power kW | | | | 32900 | 40800 | 114000 | 115000 | 232000 | 251000 | 392000 | 403000 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 29.2 | 37.1 | 38.5 | 37.5 | 51.4 | 151 | 143 | 312 | 322 | 512 | 537 |
| | | Input Power kW | 21000 | 26700 | 27700 | 27300 | 37200 | 109000 | 104000 | 224000 | 240000 | 368000 | 403000 |
| 63.8 | 11. | Thermal with fan | | | | 48.1 | 61.4 | 172 | 170 | 343 | 368 | 567 | 593 |
| | | Input Power kW | | | | 35000 | 44500 | 124000 | 124000 | 247000 | 275000 | 407000 | 445000 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 28.8 | 36.5 | 37.8 | 36.8 | 50.6 | 149 | 142 | 308 | 315 | 499 | 518 |
| | | Input Power kW | 23000 | 29400 | 29700 | 30000 | 40500 | 119000 | 116000 | 247000 | 253000 | 402000 | 428000 |
| 70.6 | 10. | Thermal with fan | | | | 47.6 | 60.7 | 170 | 168 | 341 | 361 | 553 | 573 |
| | | Input Power kW | | | | 38800 | 48600 | 136000 | 137000 | 272000 | 289000 | 445000 | 473000 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 28.4 | 36.0 | 37.1 | 36.1 | 49.8 | 147 | 140 | 305 | 308 | 485 | 498 |
| | | Input Power kW | 25000 | 32800 | 32400 | 31400 | 42900 | 133000 | 124000 | 271000 | 283000 | 425000 | 444000 |
| 78.2 | 9. | Thermal with fan | | | | 47.0 | 60.1 | 169 | 166 | 338 | 353 | 539 | 553 |
| | | Input Power kW | | | | 40900 | 51800 | 153000 | 147000 | 299000 | 325000 | 472000 | 493000 |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 28.0 | 35.5 | 36.5 | 35.5 | 49.1 | 146 | 138 | 302 | 300 | 471 | 478 |
| | | Input Power kW | 27600 | 35000 | 34800 | 35200 | 47800 | 139000 | 135000 | 288000 | 302000 | 461000 | 487000 |
| 86.5 | 8. | Thermal with fan | | | | | | | | | | | |
| | | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 27.7 | 35.1 | 36.0 | 35.0 | 48.6 | 144 | 136 | 299 | 293 | 457 | 459 |
| | | Input Power kW | 30400 | 37800 | 37500 | 37900 | 52000 | 160000 | 150000 | 335000 | 321000 | 505000 | 491000 |
| 95.7 | 7. | Thermal with fan | | | | | | | | | | | |
| | | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 27.5 | 34.9 | 35.7 | 34.7 | 48.2 | 143 | 134 | 296 | 285 | 443 | 441 |
| | | Input Power kW | 33000 | 41500 | 41300 | 41200 | 55900 | 171000 | 160000 | 347000 | 353000 | 530000 | 533000 |
| 106 | 6. | Thermal with fan | | | | | | | | | | | |
| | | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 27.3 | 34.7 | 35.4 | 34.4 | 47.9 | 141 | 133 | 294 | 277 | 428 | 422 |
| | | Input Power kW | 36600 | 44700 | 46000 | 45400 | 62300 | 188000 | 175000 | 391000 | 382000 | 577000 | 557000 |
| 117 | 6. | Thermal with fan | | | | | | | | | | | |
| | | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 27.2 | 34.5 | 35.2 | 34.2 | 47.6 | 140 | 131 | 291 | 270 | 414 | 404 |
| | | Input Power kW | 40100 | 49400 | 51400 | 50100 | 68900 | 211000 | 193000 | 436000 | 404000 | 618000 | 585000 |
| 130 | 5. | Thermal with fan | | | | | | | | | | | |
| | | Input Power kW | | | | | | | | | | | |
| | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | 27.1 | 34.4 | 35.0 | 34.0 | 47.4 | 138 | 130 | 288 | 262 | 399 | 387 |
| | | Input Power kW | 44600 | 54600 | 58200 | 55300 | 77100 | 227000 | 211000 | 473000 | 426000 | 649000 | 629000 |

Note: Cooling coils cannot be fitted to vertical units

B2 RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 345. | Mechanical | Input Power kW | 85.9 | 148 | 216 | 262 | 376 | 525 | 720 | 968 | 1300 | 1830* | 2260* |
| | | | Output Torque Nm | 2380 | 4050 | 6000 | 7160 | 10300 | 14400 | 19800 | 26700 | 36400 | 50600 | 62400 |
| | | Thermal | Input Power kW | 35.3 | 45.9 | 56.5 | 52.2 | 73.4 | 86.7 | 130 | 177 | 260 | | |
| | | No Fan | Output Torque Nm | 977 | 1250 | 1560 | 1420 | 2000 | 2370 | 3560 | 4860 | 7260 | | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | 99 | 99 |
| 5.60 | 312. | Mechanical | Input Power kW | 85.9 | 148 | 216 | 262 | 376 | 525 | 720 | 968 | 1300 | 1780* | 2260* |
| | | | Output Torque Nm | 2560 | 4490 | 6580 | 7950 | 11500 | 16200 | 21600 | 29600 | 39400 | 54400 | 69600 |
| | | Thermal | Input Power kW | 35.0 | 45.5 | 56.0 | 51.7 | 72.7 | 85.9 | 129 | 175 | 258 | | |
| | | No Fan | Output Torque Nm | 1040 | 1380 | 1700 | 1560 | 2210 | 2650 | 3860 | 5350 | 7770 | | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 98 | 99 | 99 |
| 6.20 | 282. | Mechanical | Input Power kW | 85.9 | 148 | 203 | 262 | 376 | 525 | 720 | 968 | 1230 | 1630* | 2260* |
| | | | Output Torque Nm | 2870 | 4970 | 6860 | 8920 | 12700 | 17400 | 24200 | 32700 | 41800 | 56100 | 77200 |
| | | Thermal | Input Power kW | 34.6 | 45.0 | 55.4 | 51.1 | 71.9 | 84.9 | 127 | 173 | 255 | | |
| | | No Fan | Output Torque Nm | 1160 | 1510 | 1860 | 1740 | 2430 | 2810 | 4280 | 5830 | 8660 | | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 6.86 | 255. | Mechanical | Input Power kW | 85.9 | 140 | 192 | 257 | 351 | 497 | 704 | 968 | 1170 | 1560* | 2260* |
| | | | Output Torque Nm | 3160 | 5230 | 7060 | 9580 | 13200 | 18500 | 25700 | 36200 | 43400 | 58600 | 84100 |
| | | Thermal | Input Power kW | 34.2 | 44.5 | 54.8 | 50.5 | 71.1 | 83.9 | 126 | 171 | 252 | | |
| | | No Fan | Output Torque Nm | 1260 | 1660 | 2010 | 1880 | 2670 | 3120 | 4580 | 6390 | 9330 | | |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 7.59 | 230. | Mechanical | Input Power kW | 82.2 | 124 | 182 | 211 | 318 | 443 | 585 | 832 | 1080 | 1440* | 2050* |
| | | | Output Torque Nm | 3350 | 5060 | 7320 | 8670 | 13200 | 18200 | 23500 | 34300 | 44200 | 59700 | 84300 |
| | | Thermal | Input Power kW | 33.8 | 44.0 | 54.1 | 49.9 | 70.2 | 83.0 | 124 | 169 | 249 | | |
| | | No Fan | Output Torque Nm | 1380 | 1790 | 2170 | 2050 | 2910 | 3410 | 4990 | 6960 | 10200 | | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 8.40 | 208. | Mechanical | Input Power kW | 60.7 | 90.1 | 136 | 189 | 275 | 372 | 512 | 707 | 989 | 1330 | 1840* |
| | | | Output Torque Nm | 2710 | 4030 | 6120 | 8560 | 12500 | 16800 | 22600 | 32100 | 44500 | 60800 | 83300 |
| | | Thermal | Input Power kW | 33.4 | 43.5 | 53.5 | 49.3 | 69.4 | 82.0 | 123 | 167 | 246 | 315 | |
| | | No Fan | Output Torque Nm | 1490 | 1940 | 2400 | 2230 | 3160 | 3700 | 5420 | 7570 | 11100 | 14300 | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 9.3 | 188. | Mechanical | Input Power kW | 60.7 | 90.1 | 136 | 162 | 244 | 324 | 444 | 632 | 832 | 1210 | 1740 |
| | | | Output Torque Nm | 2980 | 4490 | 6680 | 8020 | 12200 | 16100 | 21500 | 31500 | 41100 | 60700 | 86200 |
| | | Thermal | Input Power kW | 33.0 | 43.0 | 52.9 | 48.8 | 68.6 | 81.0 | 122 | 165 | 243 | 311 | 455 |
| | | No Fan | Output Torque Nm | 1620 | 2140 | 2590 | 2420 | 3430 | 4020 | 5880 | 8220 | 12000 | 15500 | 22600 |
| | | | Efficiency % | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 99 | 98 |
| 10.3 | 170. | Mechanical | Input Power kW | 60.7 | 90.1 | 136 | 162 | 244 | 287 | 444 | 615 | 832 | 1120 | 1680 |
| | | | Output Torque Nm | 3300 | 4900 | 7290 | 8780 | 13100 | 15900 | 24200 | 33900 | 46500 | 62400 | 90900 |
| | | Thermal | Input Power kW | 32.6 | 42.4 | 52.2 | 48.2 | 67.7 | 80.0 | 120 | 163 | 240 | 307 | 450 |
| | | No Fan | Output Torque Nm | 1770 | 2300 | 2800 | 2610 | 3630 | 4430 | 6530 | 9000 | 13400 | 17100 | 24300 |
| | | | Efficiency % | 97 | 98 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 11.4 | 153. | Mechanical | Input Power kW | 46.3 | 59.5 | 85.2 | 138 | 208 | 260 | 394 | 528 | 744 | 1030 | 1510 |
| | | | Output Torque Nm | 2790 | 3610 | 5200 | 8310 | 12300 | 15900 | 23700 | 32200 | 45900 | 63600 | 90600 |
| | | Thermal | Input Power kW | 32.2 | 41.8 | 51.5 | 47.5 | 66.8 | 78.9 | 118 | 161 | 237 | 303 | 444 |
| | | No Fan | Output Torque Nm | 1940 | 2540 | 3150 | 2850 | 3960 | 4830 | 7120 | 9810 | 14600 | 18700 | 26500 |
| | | | Efficiency % | 98 | 97 | 97 | 98 | 97 | 97 | 97 | 98 | 98 | 98 | 99 |
| 12.6 | 138. | Mechanical | Input Power kW | 37.0 | 59.5 | 85.2 | 120 | 177 | 234 | 336 | 449 | 637 | 932 | 1310 |
| | | | Output Torque Nm | 2470 | 4030 | 5680 | 8050 | 11700 | 15900 | 22500 | 30500 | 43700 | 64000 | 87100 |
| | | Thermal | Input Power kW | 31.7 | 41.2 | 50.8 | 46.8 | 65.9 | 77.8 | 117 | 159 | 233 | 298 | 437 |
| | | No Fan | Output Torque Nm | 2120 | 2790 | 3390 | 3130 | 4350 | 5300 | 7810 | 10800 | 16000 | 20500 | 29100 |
| | | | Efficiency % | 98 | 97 | 97 | 98 | 97 | 97 | 97 | 98 | 98 | 98 | 98 |
| 14.0 | 125. | Mechanical | Input Power kW | 37.0 | 59.5 | 85.1 | 112 | 170 | 220 | 325 | 449 | 637 | 902 | 1310 |
| | | | Output Torque Nm | 2740 | 4400 | 6210 | 8350 | 12700 | 16400 | 24200 | 33500 | 47500 | 67400 | 97900 |
| | | Thermal | Input Power kW | 31.3 | 40.7 | 50.1 | 46.2 | 65.0 | 76.7 | 115 | 157 | 230 | 294 | 431 |
| | | No Fan | Output Torque Nm | 2310 | 3010 | 3650 | 3430 | 4830 | 5700 | 8550 | 11600 | 17100 | 22000 | 32300 |
| | | | Efficiency % | 98 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 15.4 | 113. | Mechanical | Input Power kW | 34.8 | 53.6 | 61.3 | 102 | 148 | 199 | 276 | 388 | 554 | 797 | 1080 |
| | | | Output Torque Nm | 2860 | 4390 | 4990 | 8350 | 12100 | 16400 | 22600 | 31900 | 45500 | 65700 | 89300 |
| | | Thermal | Input Power kW | 30.9 | 40.2 | 49.4 | 45.6 | 64.1 | 75.7 | 114 | 155 | 227 | 291 | 426 |
| | | No Fan | Output Torque Nm | 2530 | 3300 | 4030 | 3740 | 5260 | 6210 | 9320 | 12700 | 18700 | 23900 | 35100 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 97 | 98 | 97 | 98 | 98 | 98 | 98 |

* Forced Lubrication Required

B2 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 17.1 | 102. | Mechanical | Input Power kW | 28.5 | 42.1 | 61.3 | 76.8 | 112 | 149 | 207 | 282 | 403 | 595 | 836 |
| | | | Output Torque Nm | 2570 | 3800 | 5450 | 6920 | 10000 | 13700 | 18700 | 25700 | 37200 | 54900 | 74900 |
| | | Thermal | Input Power kW | 30.5 | 39.7 | 48.9 | 45.1 | 63.4 | 74.9 | 112 | 153 | 225 | 287 | 421 |
| | | No Fan | Output Torque Nm | 2750 | 3580 | 4350 | 4060 | 5640 | 6880 | 10100 | 13900 | 20700 | 26500 | 37700 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 97 | 97 | 98 | 98 |
| 18.9 | 92. | Mechanical | Input Power kW | 28.5 | 42.1 | 57.2 | 76.8 | 112 | 149 | 207 | 282 | 403 | 595 | 836 |
| | | | Output Torque Nm | 2850 | 4220 | 5790 | 7680 | 11300 | 14900 | 20700 | 28200 | 40400 | 59700 | 84100 |
| | | Thermal | Input Power kW | 30.2 | 39.2 | 48.2 | 44.5 | 62.6 | 73.9 | 111 | 151 | 222 | 284 | 415 |
| | | No Fan | Output Torque Nm | 3020 | 3920 | 4880 | 4450 | 6260 | 7390 | 11100 | 15100 | 22200 | 28400 | 41800 |
| | | | Efficiency % | 97 | 98 | 98 | 97 | 98 | 97 | 97 | 97 | 98 | 98 | 98 |

B2 THERMAL RATINGS AT 1750 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|---|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 345. | Thermal | Input Power kW | 100 | 131 | 166 | 176 | 237 | 292 | 430 | 524 | 772 | * | * |
| | | | Output Torque Nm | 2770 | 3580 | 4590 | 4820 | 6480 | 8000 | 11800 | 14400 | 21600 | | |
| | | Thermal | Input Power kW | 89.4 | 111 | 110 | 104 | 129 | 156 | 689 | 1620 | 1890 | | |
| | | with coil | Output Torque Nm | 2480 | 3040 | 3040 | 2850 | 3510 | 15500 | 18900 | 44500 | 52900 | | |
| | | Thermal | Input Power kW | 185 | 237 | 269 | 297 | 354 | 946 | 1280 | 2180 | 2850 | | |
| 5.60 | 312. | Fan & Coil | Output Torque Nm | 5120 | 6470 | 7460 | 8100 | 9670 | 26000 | 35000 | 60100 | 79900 | | |
| | | Thermal | Input Power kW | 97.4 | 128 | 161 | 172 | 231 | 284 | 419 | 511 | 752 | * | * |
| | | | Output Torque Nm | 2910 | 3870 | 4910 | 5200 | 7040 | 8780 | 12600 | 15600 | 22700 | | |
| | | Thermal | Input Power kW | 88.9 | 111 | 109 | 104 | 128 | 545 | 657 | 1550 | 1810 | | |
| | | with coil | Output Torque Nm | 2650 | 3350 | 3310 | 3140 | 3890 | 16900 | 19700 | 47400 | 54800 | | |
| 6.20 | 282. | Thermal | Input Power kW | 180 | 230 | 261 | 285 | 344 | 889 | 1170 | 2070 | 2740 | | |
| | | Fan & Coil | Output Torque Nm | 5370 | 6980 | 7950 | 8650 | 10500 | 27500 | 35200 | 63400 | 82900 | | |
| | | Thermal | Input Power kW | 94.7 | 124 | 157 | 167 | 224 | 276 | 407 | 496 | 730 | * | * |
| | | | Output Torque Nm | 3170 | 4150 | 5280 | 5680 | 7590 | 9170 | 13700 | 16700 | 24900 | | |
| | | Thermal | Input Power kW | 88.2 | 110 | 108 | 103 | 127 | 525 | 625 | 1480 | 1730 | | |
| 6.86 | 255. | with coil | Output Torque Nm | 2950 | 3670 | 3640 | 3500 | 4290 | 17400 | 21000 | 49900 | 59000 | | |
| | | Thermal | Input Power kW | 175 | 223 | 253 | 274 | 334 | 834 | 1080 | 1960 | 2620 | | |
| | | Fan & Coil | Output Torque Nm | 5840 | 7480 | 8520 | 9320 | 11300 | 27700 | 36400 | 66300 | 89300 | | |
| | | Thermal | Input Power kW | 91.8 | 120 | 152 | 162 | 218 | 268 | 395 | 481 | 708 | * | * |
| | | | Output Torque Nm | 3380 | 4490 | 5590 | 6020 | 8180 | 9990 | 14400 | 18000 | 26300 | | |
| 7.59 | 230. | Thermal | Input Power kW | 87.5 | 109 | 107 | 102 | 126 | 505 | 594 | 1410 | 1650 | | |
| | | | Output Torque Nm | 3220 | 4060 | 3940 | 3790 | 4740 | 18800 | 21600 | 52700 | 61200 | | |
| | | Thermal | Input Power kW | 169 | 216 | 244 | 262 | 324 | 781 | 999 | 1860 | 2500 | | |
| | | Fan & Coil | Output Torque Nm | 6220 | 8070 | 8990 | 9770 | 12200 | 29100 | 36400 | 69500 | 92900 | | |
| | | Thermal | Input Power kW | 89.0 | 117 | 147 | 157 | 211 | 260 | 382 | 466 | 687 | * | * |
| 8.40 | 208. | with fan | Output Torque Nm | 3630 | 4750 | 5920 | 6440 | 8740 | 10700 | 15400 | 19200 | 28100 | | |
| | | Thermal | Input Power kW | 86.8 | 108 | 106 | 101 | 125 | 485 | 563 | 1340 | 1570 | | |
| | | | Output Torque Nm | 3540 | 4400 | 4260 | 4140 | 5190 | 19900 | 22600 | 55200 | 64200 | | |
| | | Thermal | Input Power kW | 164 | 209 | 236 | 251 | 313 | 732 | 924 | 1750 | 2380 | | |
| | | Fan & Coil | Output Torque Nm | 6670 | 8520 | 9480 | 10300 | 13000 | 30100 | 37100 | 72300 | 97600 | | |
| 8.40 | 208. | Thermal | Input Power kW | 86.2 | 113 | 143 | 152 | 204 | 251 | 370 | 452 | 665 | 869 | * |
| | | | Output Torque Nm | 3840 | 5040 | 6410 | 6860 | 9320 | 11400 | 16400 | 20500 | 29900 | 39600 | |
| | | Thermal | Input Power kW | 86.0 | 107 | 105 | 99.9 | 124 | 464 | 533 | 1270 | 1490 | 2170 | |
| | | | Output Torque Nm | 3840 | 4780 | 4720 | 4510 | 5670 | 21000 | 23500 | 57600 | 67100 | 98800 | |
| | | Thermal | Input Power kW | 158 | 202 | 227 | 240 | 303 | 685 | 856 | 1650 | 2270 | 3170 | |
| 8.40 | 208. | Fan & Coil | Output Torque Nm | 7050 | 9020 | 10200 | 10900 | 13800 | 31000 | 37800 | 75000 | 102000 | 144000 | |

* Forced Lubrication Required

Note: Cooling coils cannot be fitted to vertical units

**B2 THERMAL
RATINGS AT
1750REV/MIN INPUT**

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 9.3 | 188. | Thermal with fan | Input Power kW | 83.4 | 109 | 138 | 147 | 198 | 243 | 359 | 437 | 644 | 841 | 1220 |
| | | | Output Torque Nm | 4090 | 5440 | 6780 | 7300 | 9900 | 12100 | 17400 | 21700 | 31800 | 42100 | 60700 |
| | | Thermal with coil | Input Power kW | 85.2 | 106 | 104 | 98.9 | 123 | 444 | 504 | 1200 | 1410 | 2060 | 1830 |
| | | | Output Torque Nm | 4180 | 5280 | 5110 | 4910 | 6180 | 22000 | 24400 | 59900 | 69800 | 103000 | 90600 |
| | | Thermal Fan & Coil | Input Power kW | 152 | 195 | 219 | 229 | 293 | 641 | 795 | 1560 | 2150 | 3010 | 3130 |
| 10.3 | 170. | Thermal with fan | Input Power kW | 80.7 | 106 | 134 | 142 | 191 | 235 | 347 | 423 | 623 | 814 | 1180 |
| | | | Output Torque Nm | 4390 | 5740 | 7160 | 7730 | 10300 | 13100 | 18900 | 23300 | 34800 | 45400 | 64100 |
| | | Thermal with coil | Input Power kW | 84.4 | 105 | 103 | 97.8 | 123 | 423 | 476 | 1140 | 1340 | 1960 | 1750 |
| | | | Output Torque Nm | 4590 | 5700 | 5520 | 5310 | 6570 | 23500 | 25900 | 62800 | 74600 | 109000 | 94700 |
| | | Thermal Fan & Coil | Input Power kW | 147 | 187 | 210 | 219 | 282 | 599 | 739 | 1460 | 2040 | 2860 | 3000 |
| 11.4 | 153. | Thermal with fan | Input Power kW | 78.0 | 102 | 129 | 137 | 185 | 228 | 335 | 409 | 602 | 787 | 1140 |
| | | | Output Torque Nm | 4710 | 6210 | 7890 | 8260 | 11000 | 14000 | 20200 | 24900 | 37100 | 48500 | 68500 |
| | | Thermal with coil | Input Power kW | 83.5 | 104 | 102 | 96.6 | 122 | 403 | 450 | 1070 | 1260 | 1860 | 1670 |
| | | | Output Torque Nm | 5040 | 6300 | 6220 | 5800 | 7200 | 24700 | 27100 | 65500 | 77900 | 115000 | 100000 |
| | | Thermal Fan & Coil | Input Power kW | 141 | 180 | 202 | 209 | 272 | 560 | 688 | 1370 | 1930 | 2710 | 2860 |
| 12.6 | 138. | Thermal with fan | Input Power kW | 85.20 | 10900 | 12300 | 12500 | 16100 | 34400 | 41400 | 83800 | 119000 | 167000 | 171000 |
| | | | Output Torque Nm | 5030 | 6690 | 8330 | 8900 | 11800 | 15000 | 21700 | 26800 | 40000 | 52200 | 73700 |
| | | Thermal with coil | Input Power kW | 82.5 | 103 | 101 | 95.4 | 120 | 383 | 424 | 1010 | 1190 | 1760 | 1600 |
| | | | Output Torque Nm | 5510 | 6950 | 6720 | 6380 | 7950 | 26100 | 28400 | 68700 | 81800 | 121000 | 106000 |
| | | Thermal Fan & Coil | Input Power kW | 136 | 173 | 194 | 199 | 262 | 524 | 641 | 1290 | 1830 | 2560 | 2730 |
| 14.0 | 125. | Thermal with fan | Input Power kW | 75.4 | 98.8 | 125 | 133 | 179 | 220 | 324 | 395 | 582 | 761 | 1110 |
| | | | Output Torque Nm | 5030 | 6690 | 8330 | 8900 | 11800 | 15000 | 21700 | 26800 | 40000 | 52200 | 73700 |
| | | Thermal with coil | Input Power kW | 82.5 | 103 | 101 | 95.4 | 120 | 383 | 424 | 1010 | 1190 | 1760 | 1600 |
| | | | Output Torque Nm | 5510 | 6950 | 6720 | 6380 | 7950 | 26100 | 28400 | 68700 | 81800 | 121000 | 106000 |
| | | Thermal Fan & Coil | Input Power kW | 9050 | 11700 | 12900 | 13300 | 17300 | 35800 | 43000 | 87500 | 125000 | 176000 | 182000 |
| 15.4 | 113. | Thermal with fan | Input Power kW | 73.0 | 95.6 | 121 | 129 | 173 | 213 | 314 | 382 | 563 | 736 | 1070 |
| | | | Output Torque Nm | 5400 | 7070 | 8810 | 9560 | 12900 | 15800 | 23300 | 28500 | 42000 | 55000 | 80200 |
| | | Thermal with coil | Input Power kW | 81.6 | 101 | 99.4 | 94.1 | 119 | 363 | 399 | 952 | 1120 | 1660 | 1520 |
| | | | Output Torque Nm | 6030 | 7500 | 7250 | 6990 | 8880 | 27000 | 29700 | 70900 | 83600 | 124000 | 114000 |
| | | Thermal Fan & Coil | Input Power kW | 130 | 166 | 186 | 190 | 252 | 491 | 599 | 1210 | 1720 | 2420 | 2600 |
| 17.1 | 102. | Thermal with fan | Input Power kW | 9630 | 12300 | 13500 | 14100 | 18700 | 36500 | 44500 | 89900 | 128000 | 181000 | 195000 |
| | | | Output Torque Nm | 5810 | 7600 | 9540 | 10200 | 13800 | 16900 | 25000 | 30500 | 44900 | 58800 | 85700 |
| | | Thermal with coil | Input Power kW | 80.6 | 100 | 98.2 | 92.9 | 119 | 345 | 376 | 894 | 1060 | 1570 | 1450 |
| | | | Output Torque Nm | 6610 | 8220 | 8000 | 7620 | 9720 | 28300 | 30900 | 73500 | 86800 | 129000 | 120000 |
| | | Thermal Fan & Coil | Input Power kW | 125 | 159 | 178 | 181 | 242 | 460 | 561 | 1130 | 1630 | 2280 | 2480 |
| 18.9 | 92. | Thermal with fan | Input Power kW | 10300 | 13100 | 14500 | 14900 | 19900 | 37700 | 46000 | 93000 | 134000 | 188000 | 205000 |
| | | | Output Torque Nm | 6200 | 8120 | 10100 | 10900 | 14500 | 18400 | 26600 | 32900 | 48900 | 63900 | 90200 |
| | | Thermal with coil | Input Power kW | 79.6 | 98.9 | 97.0 | 91.7 | 118 | 326 | 355 | 839 | 993 | 1480 | 1380 |
| | | | Output Torque Nm | 7180 | 8920 | 8630 | 8270 | 10500 | 30000 | 32000 | 76600 | 91700 | 136000 | 123000 |
| | | Thermal Fan & Coil | Input Power kW | 120 | 153 | 171 | 173 | 233 | 431 | 526 | 1060 | 1530 | 2150 | 2360 |
| 18.9 | 92. | Thermal with fan | Input Power kW | 10800 | 13800 | 15200 | 15600 | 20800 | 39700 | 47500 | 96900 | 142000 | 199000 | 211000 |
| | | | Output Torque Nm | 6700 | 8770 | 11200 | 11800 | 15900 | 19500 | 28800 | 35100 | 51800 | 67700 | 98700 |
| | | Thermal with coil | Input Power kW | 78.5 | 97.6 | 95.7 | 90.3 | 117 | 308 | 334 | 787 | 933 | 1390 | 1310 |
| | | | Output Torque Nm | 7860 | 9770 | 9680 | 9040 | 11700 | 30900 | 33400 | 78800 | 93500 | 140000 | 132000 |
| | | Thermal Fan & Coil | Input Power kW | 115 | 147 | 164 | 166 | 225 | 405 | 496 | 996 | 1450 | 2030 | 2250 |
| 18.9 | 92. | Thermal with fan | Input Power kW | 11600 | 14700 | 16600 | 16600 | 22500 | 40600 | 49600 | 99700 | 145000 | 204000 | 226000 |
| | | | Output Torque Nm | 6700 | 8770 | 11200 | 11800 | 15900 | 19500 | 28800 | 35100 | 51800 | 67700 | 98700 |

Note: Cooling coils cannot be fitted to vertical units

B2 RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 286. | Mechanical | Input Power kW | 71.2 | 123 | 179 | 217 | 311 | 435 | 597 | 802 | 1080 | 1610 | 1980* |
| | | | Output Torque Nm | 2380 | 4050 | 6000 | 7160 | 10300 | 14400 | 19700 | 26600 | 36400 | 53500 | 65900 |
| | | Thermal | Input Power kW | 41.3 | 53.7 | 66.2 | 61.0 | 85.9 | 101 | 152 | 207 | 304 | 389 | |
| | | No Fan | Output Torque Nm | 1380 | 1770 | 2210 | 2010 | 2830 | 3340 | 5020 | 6860 | 10200 | 12900 | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 98 | 99 | |
| 5.60 | 258. | Mechanical | Input Power kW | 71.2 | 123 | 179 | 217 | 311 | 435 | 597 | 802 | 1080 | 1560 | 1980* |
| | | | Output Torque Nm | 2560 | 4490 | 6580 | 7940 | 11400 | 16200 | 21600 | 29600 | 39400 | 57600 | 73600 |
| | | Thermal | Input Power kW | 40.9 | 53.2 | 65.5 | 60.4 | 85.0 | 100 | 151 | 205 | 301 | 385 | |
| | | No Fan | Output Torque Nm | 1470 | 1950 | 2400 | 2210 | 3120 | 3730 | 5440 | 7550 | 11000 | 14200 | |
| | | | Efficiency % | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | |
| 6.20 | 233. | Mechanical | Input Power kW | 71.2 | 123 | 178 | 217 | 311 | 435 | 597 | 802 | 1070 | 1430 | 1980* |
| | | | Output Torque Nm | 2870 | 4970 | 7260 | 8920 | 12700 | 17400 | 24200 | 32600 | 44200 | 59300 | 81700 |
| | | Thermal | Input Power kW | 40.5 | 52.7 | 64.8 | 59.8 | 84.1 | 99.3 | 149 | 203 | 298 | 381 | |
| | | No Fan | Output Torque Nm | 1630 | 2130 | 2630 | 2450 | 3430 | 3970 | 6040 | 8230 | 12200 | 15800 | |
| | | | Efficiency % | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | 99 | |
| 6.86 | 211. | Mechanical | Input Power kW | 71.2 | 117 | 168 | 217 | 292 | 413 | 597 | 802 | 1020 | 1370 | 1980* |
| | | | Output Torque Nm | 3160 | 5290 | 7470 | 9760 | 13200 | 18600 | 26200 | 36100 | 45800 | 62000 | 88900 |
| | | Thermal | Input Power kW | 40.0 | 52.1 | 64.1 | 59.1 | 83.1 | 98.2 | 147 | 200 | 294 | 377 | |
| | | No Fan | Output Torque Nm | 1780 | 2340 | 2840 | 2650 | 3770 | 4410 | 6460 | 9020 | 13200 | 17000 | |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 98 | 99 | |
| 7.59 | 190. | Mechanical | Input Power kW | 69.0 | 104 | 158 | 175 | 263 | 367 | 485 | 689 | 933 | 1260 | 1800 |
| | | | Output Torque Nm | 3390 | 5120 | 7660 | 8670 | 13200 | 18200 | 23500 | 34200 | 46000 | 63100 | 89100 |
| | | Thermal | Input Power kW | 39.6 | 51.5 | 63.3 | 58.4 | 82.2 | 97.0 | 146 | 198 | 291 | 372 | 546 |
| | | No Fan | Output Torque Nm | 1950 | 2530 | 3070 | 2890 | 4110 | 4810 | 7040 | 9830 | 14300 | 18600 | 27000 |
| | | | Efficiency % | 97 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 99 | 99 | |
| 8.40 | 172. | Mechanical | Input Power kW | 50.3 | 74.7 | 113 | 157 | 228 | 308 | 424 | 586 | 820 | 1170 | 1620 |
| | | | Output Torque Nm | 2710 | 4030 | 6120 | 8560 | 12500 | 16800 | 22600 | 32000 | 44500 | 64300 | 88000 |
| | | Thermal | Input Power kW | 39.1 | 50.9 | 62.6 | 57.7 | 81.2 | 95.9 | 144 | 196 | 288 | 368 | 539 |
| | | No Fan | Output Torque Nm | 2110 | 2740 | 3390 | 3150 | 4470 | 5230 | 7660 | 10700 | 15600 | 20200 | 29300 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | |
| 9.3 | 155. | Mechanical | Input Power kW | 50.3 | 74.7 | 113 | 134 | 202 | 269 | 368 | 524 | 689 | 1030 | 1440 |
| | | | Output Torque Nm | 2980 | 4490 | 6680 | 8020 | 12200 | 16100 | 21500 | 31400 | 41000 | 62000 | 86100 |
| | | Thermal | Input Power kW | 38.7 | 50.3 | 61.9 | 57.1 | 80.3 | 94.8 | 142 | 193 | 284 | 364 | 533 |
| | | No Fan | Output Torque Nm | 2290 | 3020 | 3670 | 3420 | 4850 | 5680 | 8310 | 11600 | 16900 | 21900 | 31800 |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | |
| 10.3 | 140. | Mechanical | Input Power kW | 50.3 | 74.7 | 113 | 134 | 202 | 238 | 368 | 511 | 689 | 981 | 1390 |
| | | | Output Torque Nm | 3300 | 4900 | 7290 | 8780 | 13100 | 15900 | 24200 | 34000 | 46400 | 66000 | 91000 |
| | | Thermal | Input Power kW | 38.2 | 49.7 | 61.1 | 56.4 | 79.3 | 93.6 | 140 | 191 | 281 | 359 | 526 |
| | | No Fan | Output Torque Nm | 2510 | 3260 | 3950 | 3690 | 5130 | 6260 | 9220 | 12700 | 18900 | 24200 | 34300 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | |
| 11.4 | 127. | Mechanical | Input Power kW | 38.9 | 49.3 | 70.6 | 115 | 173 | 216 | 326 | 437 | 616 | 879 | 1250 |
| | | | Output Torque Nm | 2830 | 3610 | 5200 | 8310 | 12300 | 16000 | 23700 | 32200 | 45800 | 65400 | 90500 |
| | | Thermal | Input Power kW | 37.7 | 49.0 | 60.3 | 55.6 | 78.2 | 92.3 | 138 | 188 | 277 | 354 | 519 |
| | | No Fan | Output Torque Nm | 2740 | 3590 | 4450 | 4030 | 5590 | 6820 | 10100 | 13900 | 20600 | 26300 | 37400 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | |
| 12.6 | 115. | Mechanical | Input Power kW | 30.7 | 49.3 | 70.6 | 99.6 | 147 | 194 | 279 | 372 | 528 | 772 | 1080 |
| | | | Output Torque Nm | 2470 | 4030 | 5680 | 8050 | 11700 | 16000 | 22500 | 30500 | 43700 | 63900 | 87000 |
| | | Thermal | Input Power kW | 37.1 | 48.3 | 59.4 | 54.8 | 77.1 | 91.0 | 137 | 186 | 273 | 349 | 512 |
| | | No Fan | Output Torque Nm | 2990 | 3950 | 4790 | 4430 | 6140 | 7500 | 11000 | 15200 | 22600 | 28900 | 41100 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 98 | 97 | 98 | 98 | 98 | |
| 14.0 | 103. | Mechanical | Input Power kW | 30.7 | 49.3 | 70.6 | 93.2 | 141 | 183 | 272 | 372 | 528 | 772 | 1080 |
| | | | Output Torque Nm | 2740 | 4400 | 6210 | 8360 | 12700 | 16400 | 24400 | 33400 | 47400 | 69500 | 97800 |
| | | Thermal | Input Power kW | 36.6 | 47.6 | 58.6 | 54.1 | 76.1 | 89.8 | 135 | 183 | 269 | 345 | 505 |
| | | No Fan | Output Torque Nm | 3270 | 4250 | 5160 | 4850 | 6820 | 8050 | 12100 | 16500 | 24200 | 31000 | 45500 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 98 | 97 | 98 | 98 | 98 | 98 | |
| 15.4 | 93. | Mechanical | Input Power kW | 29.3 | 45.0 | 50.8 | 84.4 | 122 | 165 | 229 | 321 | 459 | 660 | 896 |
| | | | Output Torque Nm | 2900 | 4460 | 4990 | 8360 | 12100 | 16400 | 22600 | 31800 | 45500 | 65600 | 89200 |
| | | Thermal | Input Power kW | 36.2 | 47.0 | 57.9 | 53.4 | 75.1 | 88.7 | 133 | 181 | 266 | 340 | 498 |
| | | No Fan | Output Torque Nm | 3580 | 4660 | 5690 | 5280 | 7430 | 8780 | 13200 | 17900 | 26400 | 33800 | 49600 |
| | | | Efficiency % | 97 | 98 | 97 | 97 | 98 | 98 | 97 | 97 | 98 | 98 | |

* Forced Lubrication Required

B2 RATINGS AT 1450REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 17.1 | 84. | Mechanical | Input Power kW | 23.6 | 34.9 | 50.8 | 63.6 | 93.2 | 124 | 172 | 234 | 334 | 493 | 693 |
| | | | Output Torque Nm | 2570 | 3800 | 5450 | 6920 | 10000 | 13700 | 18700 | 25700 | 37200 | 54800 | 74700 |
| | | Thermal | Input Power kW | 35.8 | 46.5 | 57.2 | 52.8 | 74.2 | 87.6 | 131 | 179 | 263 | 336 | 493 |
| | | No Fan | Output Torque Nm | 3890 | 5060 | 6140 | 5740 | 7970 | 9720 | 14300 | 19700 | 29300 | 37400 | 53100 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 97 | 97 | 97 | 97 | 98 | 98 |
| 18.9 | 76. | Mechanical | Input Power kW | 23.6 | 34.9 | 47.6 | 63.6 | 93.2 | 124 | 172 | 234 | 334 | 493 | 693 |
| | | | Output Torque Nm | 2850 | 4220 | 5810 | 7680 | 11300 | 14900 | 20700 | 28200 | 40400 | 59700 | 84000 |
| | | Thermal | Input Power kW | 35.3 | 45.9 | 56.5 | 52.1 | 73.3 | 86.5 | 130 | 177 | 260 | 332 | 486 |
| | | No Fan | Output Torque Nm | 4260 | 5540 | 6890 | 6290 | 8850 | 10400 | 15700 | 21300 | 31400 | 40200 | 58900 |
| | | | Efficiency % | 97 | 98 | 98 | 97 | 98 | 97 | 97 | 97 | 98 | 98 | 98 |

B2 THERMAL RATINGS AT 1450REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 286. | Thermal | Input Power kW | 92.3 | 121 | 153 | 163 | 219 | 269 | 397 | 484 | 712 | 931 | * |
| | | | Output Torque Nm | 3080 | 3980 | 5110 | 5360 | 7210 | 8900 | 13100 | 16000 | 24000 | 31000 | |
| | | Thermal | Input Power kW | 95.4 | 119 | 119 | 113 | 141 | 579 | 711 | 1650 | 1940 | 2740 | |
| | | | Output Torque Nm | 3190 | 3920 | 3990 | 3730 | 4650 | 19100 | 23500 | 54700 | 65300 | 91400 | |
| | | Thermal | Input Power kW | 177 | 227 | 256 | 283 | 335 | 924 | 1240 | 2140 | 2790 | 3880 | |
| 5.60 | 258. | Fan & Coil | Output Torque Nm | 5920 | 7470 | 8580 | 9320 | 11100 | 30500 | 41100 | 71100 | 94300 | 129000 | |
| | | Thermal | Input Power kW | 89.9 | 118 | 149 | 158 | 213 | 262 | 386 | 471 | 694 | 907 | * |
| | | | Output Torque Nm | 3240 | 4300 | 5460 | 5790 | 7830 | 9760 | 14000 | 17400 | 25300 | 33500 | |
| | | Thermal | Input Power kW | 94.8 | 118 | 118 | 112 | 140 | 560 | 679 | 1580 | 1850 | 2640 | |
| | | | Output Torque Nm | 3420 | 4330 | 4350 | 4110 | 5150 | 20800 | 24600 | 58200 | 67700 | 97600 | |
| 6.20 | 233. | Thermal | Input Power kW | 172 | 220 | 249 | 272 | 326 | 867 | 1140 | 2030 | 2680 | 3730 | |
| | | | Output Torque Nm | 6210 | 8060 | 9140 | 9940 | 12000 | 32300 | 41300 | 75000 | 97800 | 138000 | |
| | | Thermal | Input Power kW | 87.3 | 114 | 144 | 154 | 207 | 255 | 375 | 457 | 674 | 881 | * |
| | | | Output Torque Nm | 3520 | 4620 | 5880 | 6320 | 8440 | 10200 | 15200 | 18600 | 27700 | 36500 | |
| | | Thermal | Input Power kW | 94.1 | 117 | 117 | 111 | 139 | 540 | 647 | 1510 | 1770 | 2540 | |
| 6.86 | 211. | | Output Torque Nm | 3800 | 4740 | 4770 | 4580 | 5680 | 21600 | 26200 | 61300 | 72900 | 105000 | |
| | | Thermal | Input Power kW | 167 | 214 | 241 | 261 | 317 | 812 | 1050 | 1920 | 2560 | 3570 | |
| | | | Output Torque Nm | 6750 | 8640 | 9790 | 10700 | 12900 | 32500 | 42600 | 78300 | 105000 | 148000 | |
| | | Thermal | Input Power kW | 84.7 | 111 | 140 | 149 | 201 | 247 | 364 | 444 | 653 | 854 | * |
| | | | Output Torque Nm | 3760 | 5000 | 6220 | 6700 | 9100 | 11100 | 16000 | 20000 | 29200 | 38700 | |
| 7.59 | 190. | Thermal | Input Power kW | 93.3 | 116 | 116 | 110 | 138 | 519 | 615 | 1440 | 1690 | 2430 | |
| | | | Output Torque Nm | 4140 | 5250 | 5170 | 4960 | 6270 | 23400 | 27000 | 64800 | 75700 | 110000 | |
| | | Thermal | Input Power kW | 162 | 207 | 233 | 250 | 307 | 760 | 968 | 1820 | 2450 | 3410 | |
| | | | Output Torque Nm | 7190 | 9330 | 10300 | 11200 | 13900 | 34200 | 42500 | 82000 | 109000 | 155000 | |
| | | Thermal | Input Power kW | 82.1 | 107 | 136 | 145 | 194 | 239 | 353 | 430 | 633 | 828 | 1200 |
| 8.40 | 172. | | Output Torque Nm | 4040 | 5290 | 6590 | 7170 | 9730 | 11900 | 17100 | 21400 | 31200 | 41300 | 59600 |
| | | Thermal | Input Power kW | 92.5 | 115 | 115 | 109 | 137 | 499 | 584 | 1370 | 1610 | 2320 | 2060 |
| | | | Output Torque Nm | 4550 | 5680 | 5590 | 5420 | 6860 | 24700 | 28300 | 68000 | 79500 | 116000 | 102000 |
| | | Thermal | Input Power kW | 157 | 200 | 224 | 239 | 297 | 712 | 894 | 1720 | 2330 | 3260 | 3300 |
| | | | Fan & Coil | 7710 | 9840 | 10900 | 11800 | 14900 | 35300 | 43300 | 85300 | 115000 | 163000 | 163000 |
| 8.40 | 172. | Thermal | Input Power kW | 79.5 | 104 | 132 | 140 | 188 | 232 | 342 | 417 | 613 | 802 | 1170 |
| | | | Output Torque Nm | 4280 | 5610 | 7140 | 7640 | 10400 | 12700 | 18200 | 22800 | 33300 | 44100 | 63500 |
| | | Thermal | Input Power kW | 91.7 | 114 | 114 | 108 | 136 | 478 | 554 | 1300 | 1530 | 2220 | 1980 |
| | | | Output Torque Nm | 4940 | 6170 | 6200 | 5910 | 7490 | 26100 | 29500 | 71000 | 83100 | 122000 | 108000 |
| | | Thermal | Input Power kW | 151 | 193 | 216 | 228 | 287 | 665 | 828 | 1620 | 2220 | 3100 | 3170 |
| 8.40 | 172. | | Fan & Coil | 8150 | 10400 | 11700 | 12500 | 15800 | 36300 | 44100 | 88400 | 120000 | 170000 | 173000 |

* Forced Lubrication Required

Note: Cooling coils cannot be fitted to vertical units

B2 THERMAL RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 9.3 | 155. | Thermal with fan | Input Power kW | 77.0 | 101 | 127 | 136 | 182 | 225 | 331 | 403 | 594 | 776 | 1130 |
| | | | Output Torque Nm | 4560 | 6060 | 7550 | 8120 | 11000 | 13500 | 19300 | 24200 | 35300 | 46800 | 67500 |
| | | Thermal with coil | Input Power kW | 90.9 | 113 | 113 | 107 | 135 | 457 | 525 | 1230 | 1450 | 2120 | 1900 |
| | | | Output Torque Nm | 5380 | 6810 | 6700 | 6420 | 8170 | 27400 | 30700 | 73900 | 86500 | 128000 | 114000 |
| | | Thermal | Input Power kW | 146 | 186 | 208 | 218 | 277 | 622 | 767 | 1520 | 2100 | 2950 | 3040 |
| | | Fan & Coil | Output Torque Nm | 8640 | 11200 | 12300 | 13100 | 16800 | 37300 | 44900 | 91300 | 125000 | 178000 | 182000 |
| 10.3 | 140. | Thermal with fan | Input Power kW | 74.4 | 97.5 | 123 | 131 | 176 | 217 | 320 | 390 | 574 | 751 | 1090 |
| | | | Output Torque Nm | 4880 | 6400 | 7970 | 8600 | 11400 | 14500 | 21000 | 26000 | 38600 | 50500 | 71300 |
| | | Thermal with coil | Input Power kW | 90.0 | 112 | 112 | 106 | 134 | 437 | 497 | 1170 | 1380 | 2010 | 1830 |
| | | | Output Torque Nm | 5900 | 7360 | 7240 | 6950 | 8670 | 29200 | 32600 | 77600 | 92700 | 135000 | 119000 |
| | | Thermal | Input Power kW | 141 | 179 | 200 | 208 | 267 | 581 | 712 | 1430 | 1990 | 2790 | 2900 |
| | | Fan & Coil | Output Torque Nm | 9230 | 11800 | 12900 | 13600 | 17300 | 38900 | 46800 | 95200 | 134000 | 188000 | 190000 |
| 11.4 | 127. | Thermal with fan | Input Power kW | 72.0 | 94.2 | 119 | 127 | 171 | 210 | 309 | 377 | 555 | 726 | 1060 |
| | | | Output Torque Nm | 5240 | 6910 | 8790 | 9200 | 12200 | 15500 | 22500 | 27700 | 41300 | 54000 | 76100 |
| | | Thermal with coil | Input Power kW | 89.0 | 111 | 111 | 105 | 133 | 416 | 470 | 1100 | 1300 | 1910 | 1750 |
| | | | Output Torque Nm | 6480 | 8130 | 8160 | 7590 | 9510 | 30800 | 34100 | 81000 | 96800 | 142000 | 126000 |
| | | Thermal | Input Power kW | 135 | 172 | 192 | 198 | 257 | 543 | 661 | 1340 | 1890 | 2640 | 2770 |
| | | Fan & Coil | Output Torque Nm | 9840 | 12600 | 14100 | 14400 | 18400 | 40100 | 48000 | 98700 | 140000 | 197000 | 200000 |
| 12.6 | 115. | Thermal with fan | Input Power kW | 69.6 | 91.1 | 115 | 123 | 165 | 203 | 299 | 365 | 537 | 702 | 1020 |
| | | | Output Torque Nm | 5600 | 7450 | 9280 | 9910 | 13100 | 16700 | 24200 | 29900 | 44400 | 58100 | 82000 |
| | | Thermal with coil | Input Power kW | 88.0 | 110 | 109 | 103 | 132 | 396 | 444 | 1040 | 1230 | 1810 | 1670 |
| | | | Output Torque Nm | 7080 | 8960 | 8810 | 8350 | 10500 | 32600 | 35900 | 85100 | 102000 | 150000 | 134000 |
| | | Thermal | Input Power kW | 130 | 165 | 184 | 189 | 248 | 507 | 616 | 1260 | 1780 | 2500 | 2650 |
| | | Fan & Coil | Output Torque Nm | 10500 | 13500 | 14800 | 15200 | 19700 | 41800 | 49800 | 103000 | 147000 | 207000 | 213000 |
| 14.0 | 103. | Thermal with fan | Input Power kW | 67.3 | 88.2 | 111 | 119 | 160 | 196 | 289 | 353 | 520 | 679 | 988 |
| | | | Output Torque Nm | 6010 | 7870 | 9810 | 10600 | 14300 | 17600 | 26000 | 31700 | 46700 | 61100 | 89100 |
| | | Thermal with coil | Input Power kW | 86.9 | 108 | 108 | 102 | 131 | 377 | 419 | 978 | 1160 | 1710 | 1590 |
| | | | Output Torque Nm | 7760 | 9670 | 9500 | 9150 | 11700 | 33800 | 37600 | 87900 | 104000 | 154000 | 144000 |
| | | Thermal | Input Power kW | 125 | 159 | 176 | 180 | 238 | 474 | 574 | 1180 | 1680 | 2360 | 2520 |
| | | Fan & Coil | Output Torque Nm | 11100 | 14200 | 15500 | 16100 | 21400 | 42500 | 51500 | 106000 | 151000 | 212000 | 228000 |
| 15.4 | 93. | Thermal with fan | Input Power kW | 65.3 | 85.5 | 108 | 115 | 155 | 190 | 281 | 342 | 504 | 658 | 957 |
| | | | Output Torque Nm | 6460 | 8460 | 10600 | 11400 | 15300 | 18900 | 27800 | 33900 | 50000 | 65400 | 95300 |
| | | Thermal with coil | Input Power kW | 85.8 | 107 | 107 | 101 | 129 | 357 | 396 | 921 | 1090 | 1620 | 1520 |
| | | | Output Torque Nm | 8500 | 10600 | 10500 | 9970 | 12800 | 35400 | 39200 | 91200 | 109000 | 161000 | 151000 |
| | | Thermal | Input Power kW | 120 | 152 | 169 | 171 | 229 | 444 | 537 | 1100 | 1580 | 2230 | 2400 |
| | | Fan & Coil | Output Torque Nm | 11800 | 15100 | 16600 | 17000 | 22700 | 43900 | 53200 | 109000 | 157000 | 221000 | 239000 |
| 17.1 | 84. | Thermal with fan | Input Power kW | 63.4 | 83.0 | 105 | 112 | 150 | 185 | 272 | 332 | 489 | 639 | 930 |
| | | | Output Torque Nm | 6900 | 9040 | 11300 | 12200 | 16100 | 20500 | 29700 | 36600 | 54400 | 71100 | 100000 |
| | | Thermal with coil | Input Power kW | 84.8 | 106 | 105 | 99.4 | 128 | 339 | 374 | 865 | 1030 | 1530 | 1450 |
| | | | Output Torque Nm | 9230 | 11500 | 11300 | 10800 | 13800 | 37600 | 40700 | 95400 | 115000 | 170000 | 156000 |
| | | Thermal | Input Power kW | 115 | 146 | 162 | 164 | 221 | 416 | 503 | 1030 | 1490 | 2100 | 2280 |
| | | Fan & Coil | Output Torque Nm | 12500 | 15900 | 17400 | 17800 | 23700 | 46100 | 54800 | 114000 | 166000 | 233000 | 246000 |
| 18.9 | 76. | Thermal with fan | Input Power kW | 61.7 | 80.9 | 102 | 109 | 146 | 180 | 265 | 323 | 476 | 623 | 906 |
| | | | Output Torque Nm | 7460 | 9770 | 12500 | 13100 | 17700 | 21800 | 32100 | 39100 | 57600 | 75400 | 110000 |
| | | Thermal with coil | Input Power kW | 83.6 | 104 | 104 | 97.9 | 127 | 321 | 353 | 813 | 971 | 1440 | 1380 |
| | | | Output Torque Nm | 10100 | 12600 | 12700 | 11800 | 15400 | 38800 | 42600 | 98200 | 117000 | 174000 | 167000 |
| | | Thermal | Input Power kW | 110 | 140 | 156 | 157 | 213 | 390 | 473 | 968 | 1410 | 1980 | 2170 |
| | | Fan & Coil | Output Torque Nm | 13300 | 17000 | 19000 | 18900 | 25700 | 47200 | 57200 | 117000 | 170000 | 239000 | 263000 |

Note: Cooling coils cannot be fitted to vertical units

B2 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 189. | Mechanical | Input Power kW | 47.1 | 81.4 | 119 | 144 | 206 | 288 | 395 | 531 | 714 | 1090 | 1480 |
| | | | Output Torque Nm | 2380 | 4050 | 6000 | 7160 | 10300 | 14300 | 19700 | 26500 | 36300 | 54900 | 74500 |
| | | Thermal | Input Power kW | 51.3 | 66.7 | 82.1 | 75.7 | 106 | 126 | 189 | 257 | 377 | 482 | 707 |
| | | No Fan | Output Torque Nm | 2590 | 3320 | 4150 | 3770 | 5290 | 6260 | 9390 | 12800 | 19200 | 24200 | 35500 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 99 | 99 |
| 5.60 | 171. | Mechanical | Input Power kW | 47.1 | 81.4 | 119 | 144 | 206 | 288 | 395 | 531 | 714 | 1090 | 1480 |
| | | | Output Torque Nm | 2570 | 4500 | 6580 | 7940 | 11400 | 16200 | 21500 | 29500 | 39300 | 60900 | 83100 |
| | | Thermal | Input Power kW | 50.8 | 66.1 | 81.3 | 75.0 | 105 | 125 | 187 | 254 | 374 | 478 | 700 |
| | | No Fan | Output Torque Nm | 2770 | 3650 | 4510 | 4140 | 5850 | 6990 | 10200 | 14100 | 20500 | 26600 | 39200 |
| | | | Efficiency % | 98 | 98 | 97 | 97 | 97 | 98 | 98 | 98 | 98 | 99 | 99 |
| 6.20 | 154. | Mechanical | Input Power kW | 47.1 | 81.4 | 119 | 144 | 206 | 288 | 395 | 531 | 714 | 1070 | 1480 |
| | | | Output Torque Nm | 2870 | 4970 | 7290 | 8920 | 12700 | 17400 | 24200 | 32500 | 44200 | 67000 | 92200 |
| | | Thermal | Input Power kW | 50.3 | 65.4 | 80.4 | 74.2 | 104 | 123 | 185 | 251 | 370 | 473 | 693 |
| | | No Fan | Output Torque Nm | 3070 | 3990 | 4940 | 4600 | 6430 | 7440 | 11300 | 15400 | 22900 | 29500 | 43000 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 99 |
| 6.86 | 139. | Mechanical | Input Power kW | 47.1 | 79.8 | 119 | 144 | 194 | 274 | 395 | 531 | 714 | 1030 | 1370 |
| | | | Output Torque Nm | 3160 | 5430 | 7960 | 9760 | 13300 | 18600 | 26200 | 36000 | 48100 | 70000 | 92900 |
| | | Thermal | Input Power kW | 49.7 | 64.6 | 79.5 | 73.3 | 103 | 122 | 183 | 249 | 365 | 467 | 685 |
| | | No Fan | Output Torque Nm | 3330 | 4400 | 5340 | 4970 | 7060 | 8270 | 12100 | 16900 | 24600 | 31900 | 46300 |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 |
| 7.59 | 126. | Mechanical | Input Power kW | 47.0 | 70.8 | 107 | 116 | 174 | 243 | 321 | 456 | 617 | 901 | 1250 |
| | | | Output Torque Nm | 3490 | 5260 | 7860 | 8670 | 13200 | 18200 | 23400 | 34200 | 45900 | 67800 | 92900 |
| | | Thermal | Input Power kW | 49.1 | 63.9 | 78.6 | 72.5 | 102 | 120 | 181 | 246 | 361 | 462 | 677 |
| | | No Fan | Output Torque Nm | 3650 | 4750 | 5760 | 5430 | 7700 | 9010 | 13200 | 18400 | 26800 | 34800 | 50500 |
| | | | Efficiency % | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 8.40 | 114. | Mechanical | Input Power kW | 33.3 | 49.4 | 74.6 | 104 | 151 | 204 | 281 | 388 | 543 | 788 | 1110 |
| | | | Output Torque Nm | 2710 | 4030 | 6120 | 8560 | 12500 | 16800 | 22600 | 32000 | 44300 | 65200 | 91300 |
| | | Thermal | Input Power kW | 48.6 | 63.1 | 77.7 | 71.7 | 101 | 119 | 179 | 243 | 357 | 457 | 669 |
| | | No Fan | Output Torque Nm | 3950 | 5140 | 6370 | 5910 | 8380 | 9810 | 14300 | 20000 | 29200 | 37800 | 54900 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 99 |
| 9.3 | 103. | Mechanical | Input Power kW | 33.3 | 49.4 | 74.6 | 88.6 | 134 | 178 | 243 | 347 | 456 | 681 | 953 |
| | | | Output Torque Nm | 2980 | 4490 | 6680 | 8020 | 12200 | 16100 | 21500 | 31400 | 40900 | 61800 | 85800 |
| | | Thermal | Input Power kW | 48.0 | 62.4 | 76.8 | 70.8 | 99.7 | 118 | 177 | 240 | 353 | 451 | 662 |
| | | No Fan | Output Torque Nm | 4290 | 5670 | 6880 | 6410 | 9100 | 10600 | 15600 | 21700 | 31600 | 41000 | 59600 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 10.3 | 93. | Mechanical | Input Power kW | 33.3 | 49.4 | 74.6 | 88.6 | 134 | 158 | 243 | 340 | 456 | 672 | 927 |
| | | | Output Torque Nm | 3300 | 4900 | 7300 | 8780 | 13100 | 16000 | 24100 | 34100 | 46300 | 68100 | 91100 |
| | | Thermal | Input Power kW | 47.4 | 61.6 | 75.9 | 70.0 | 98.4 | 116 | 174 | 237 | 349 | 446 | 653 |
| | | No Fan | Output Torque Nm | 4700 | 6110 | 7420 | 6930 | 9620 | 11700 | 17300 | 23800 | 35400 | 45200 | 64200 |
| | | | Efficiency % | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 11.4 | 84. | Mechanical | Input Power kW | 26.6 | 32.6 | 46.7 | 75.9 | 114 | 143 | 216 | 290 | 408 | 582 | 831 |
| | | | Output Torque Nm | 2920 | 3620 | 5200 | 8320 | 12300 | 16000 | 23700 | 32100 | 45800 | 65200 | 90200 |
| | | Thermal | Input Power kW | 46.8 | 60.8 | 74.8 | 69.0 | 97.1 | 115 | 172 | 234 | 344 | 440 | 644 |
| | | No Fan | Output Torque Nm | 5140 | 6730 | 8340 | 7560 | 10500 | 12800 | 18800 | 26000 | 38600 | 49200 | 70000 |
| | | | Efficiency % | 97 | 98 | 98 | 98 | 97 | 98 | 98 | 97 | 98 | 98 | 98 |
| 12.6 | 76. | Mechanical | Input Power kW | 20.3 | 32.6 | 46.7 | 65.9 | 97.2 | 129 | 184 | 246 | 349 | 511 | 718 |
| | | | Output Torque Nm | 2470 | 4030 | 5680 | 8050 | 11700 | 16000 | 22500 | 30500 | 43600 | 63700 | 86700 |
| | | Thermal | Input Power kW | 46.1 | 60.0 | 73.8 | 68.0 | 95.7 | 113 | 170 | 231 | 339 | 434 | 635 |
| | | No Fan | Output Torque Nm | 5610 | 7400 | 8980 | 8300 | 11500 | 14100 | 20700 | 28500 | 42300 | 54100 | 76800 |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 97 | 97 | 98 | 98 | 97 | 98 | 98 |
| 14.0 | 68. | Mechanical | Input Power kW | 20.3 | 32.6 | 46.7 | 61.8 | 93.7 | 121 | 184 | 246 | 349 | 511 | 718 |
| | | | Output Torque Nm | 2740 | 4400 | 6210 | 8370 | 12700 | 16400 | 25000 | 33400 | 47400 | 69400 | 97500 |
| | | Thermal | Input Power kW | 45.5 | 59.2 | 72.8 | 67.1 | 94.4 | 112 | 167 | 228 | 335 | 428 | 627 |
| | | No Fan | Output Torque Nm | 6130 | 7970 | 9680 | 9090 | 12800 | 15100 | 22700 | 30800 | 45400 | 58100 | 85200 |
| | | | Efficiency % | 98 | 98 | 97 | 97 | 98 | 97 | 98 | 98 | 98 | 98 | 98 |
| 15.4 | 62. | Mechanical | Input Power kW | 20.1 | 30.2 | 33.6 | 55.9 | 81.0 | 110 | 151 | 213 | 304 | 437 | 593 |
| | | | Output Torque Nm | 3000 | 4510 | 4990 | 8360 | 12100 | 16400 | 22600 | 31800 | 45400 | 65500 | 88900 |
| | | Thermal | Input Power kW | 44.9 | 58.4 | 71.9 | 66.3 | 93.2 | 110 | 165 | 225 | 330 | 422 | 619 |
| | | No Fan | Output Torque Nm | 6720 | 8740 | 10700 | 9910 | 13900 | 16500 | 24700 | 33600 | 49400 | 63300 | 92800 |
| | | | Efficiency % | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 |

B2 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 17.1 | 56. | Mechanical | Input Power kW | 15.6 | 23.1 | 33.6 | 42.1 | 61.7 | 81.9 | 114 | 155 | 221 | 327 | 459 |
| | | | Output Torque Nm | 2570 | 3800 | 5450 | 6920 | 10000 | 13700 | 18700 | 25700 | 37200 | 54700 | 74500 |
| | | Thermal | Input Power kW | 44.4 | 57.7 | 71.1 | 65.5 | 92.2 | 109 | 163 | 222 | 326 | 418 | 612 |
| | | No Fan | Output Torque Nm | 7300 | 9490 | 11500 | 10800 | 14900 | 18200 | 26800 | 37000 | 54900 | 70000 | 99400 |
| 18.9 | 50. | Mechanical | Efficiency % | 98 | 97 | 97 | 98 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | | Input Power kW | 15.6 | 23.1 | 31.6 | 42.1 | 61.7 | 81.9 | 114 | 155 | 221 | 327 | 459 |
| | | | Output Torque Nm | 2850 | 4220 | 5820 | 7680 | 11300 | 14900 | 20700 | 28200 | 40400 | 59600 | 83800 |
| | | Thermal | Input Power kW | 43.8 | 57.0 | 70.1 | 64.7 | 91.0 | 107 | 161 | 219 | 322 | 412 | 604 |
| | | No Fan | Output Torque Nm | 8000 | 10400 | 12900 | 11800 | 16600 | 19600 | 29400 | 40000 | 58800 | 75200 | 110000 |
| | | | Efficiency % | 98 | 98 | 97 | 97 | 98 | 97 | 97 | 97 | 98 | 97 | 98 |

B2 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 189. | Thermal | Input Power kW | 80.2 | 105 | 133 | 141 | 190 | 234 | 345 | 420 | 619 | 809 | 1180 |
| | | | Output Torque Nm | 4050 | 5230 | 6710 | 7030 | 9450 | 11600 | 17200 | 21000 | 31500 | 40600 | 59100 |
| | | Thermal | Input Power kW | 105 | 132 | 135 | 128 | 162 | 604 | 748 | 1700 | 2010 | 2840 | 2500 |
| | | with coil | Output Torque Nm | 5320 | 6570 | 6830 | 6370 | 8040 | 30100 | 37300 | 84900 | 102000 | 142000 | 126000 |
| 5.60 | 171. | Thermal | Input Power kW | 165 | 211 | 236 | 261 | 307 | 888 | 1190 | 2080 | 2700 | 3760 | 3630 |
| | | Fan & Coil | Output Torque Nm | 8340 | 10500 | 11900 | 13000 | 15300 | 44300 | 59300 | 104000 | 137000 | 189000 | 182000 |
| | | Thermal | Input Power kW | 78.1 | 102 | 129 | 138 | 185 | 228 | 336 | 409 | 602 | 787 | 1150 |
| | | with fan | Output Torque Nm | 4250 | 5650 | 7170 | 7600 | 10300 | 12800 | 18300 | 22700 | 33100 | 43800 | 64100 |
| 6.20 | 154. | Thermal | Input Power kW | 105 | 131 | 134 | 127 | 161 | 584 | 715 | 1630 | 1930 | 2730 | 2430 |
| | | with coil | Output Torque Nm | 5700 | 7240 | 7450 | 7010 | 8910 | 32800 | 39000 | 90500 | 106000 | 152000 | 136000 |
| | | Thermal | Input Power kW | 161 | 205 | 229 | 251 | 298 | 832 | 1090 | 1970 | 2590 | 3610 | 3510 |
| | | Fan & Coil | Output Torque Nm | 8740 | 11300 | 12700 | 13900 | 16600 | 46800 | 59500 | 110000 | 142000 | 201000 | 197000 |
| 6.86 | 139. | Thermal | Input Power kW | 75.9 | 99.3 | 126 | 134 | 180 | 221 | 326 | 397 | 585 | 765 | 1110 |
| | | with fan | Output Torque Nm | 4630 | 6070 | 7710 | 8290 | 11100 | 13400 | 19900 | 24300 | 36200 | 47800 | 69100 |
| | | Thermal | Input Power kW | 104 | 130 | 133 | 126 | 159 | 563 | 682 | 1560 | 1840 | 2630 | 2350 |
| | | with coil | Output Torque Nm | 6330 | 7940 | 8170 | 7810 | 9820 | 34100 | 41700 | 95300 | 114000 | 164000 | 146000 |
| 7.59 | 126. | Thermal | Input Power kW | 156 | 199 | 222 | 241 | 290 | 779 | 1000 | 1860 | 2470 | 3460 | 3390 |
| | | Fan & Coil | Output Torque Nm | 9500 | 12100 | 13600 | 14900 | 17800 | 47100 | 61200 | 114000 | 153000 | 216000 | 211000 |
| | | Thermal | Input Power kW | 73.6 | 96.3 | 122 | 130 | 174 | 215 | 316 | 385 | 568 | 742 | 1080 |
| | | with fan | Output Torque Nm | 4930 | 6560 | 8170 | 8800 | 11900 | 14600 | 20900 | 26200 | 38200 | 50600 | 73000 |
| 8.40 | 114. | Thermal | Input Power kW | 103 | 129 | 132 | 125 | 158 | 543 | 650 | 1490 | 1760 | 2520 | 2270 |
| | | with coil | Output Torque Nm | 6910 | 8780 | 8850 | 8460 | 10800 | 36900 | 43100 | 101000 | 119000 | 172000 | 154000 |
| | | Thermal | Input Power kW | 151 | 192 | 214 | 230 | 281 | 728 | 921 | 1760 | 2360 | 3300 | 3260 |
| | | Fan & Coil | Output Torque Nm | 10100 | 13100 | 14400 | 15600 | 19200 | 49400 | 61000 | 120000 | 159000 | 225000 | 221000 |
| 7.59 | 126. | Thermal | Input Power kW | 71.3 | 93.4 | 118 | 126 | 169 | 208 | 306 | 374 | 550 | 719 | 1050 |
| | | with fan | Output Torque Nm | 5300 | 6940 | 8650 | 9410 | 12800 | 15600 | 22400 | 28000 | 40900 | 54100 | 78000 |
| | | Thermal | Input Power kW | 102 | 128 | 131 | 123 | 157 | 522 | 619 | 1420 | 1680 | 2410 | 2190 |
| | | with coil | Output Torque Nm | 7590 | 9500 | 9570 | 9240 | 11900 | 39100 | 45200 | 106000 | 125000 | 182000 | 164000 |
| 8.40 | 114. | Thermal | Input Power kW | 146 | 186 | 207 | 220 | 271 | 680 | 848 | 1660 | 2250 | 3150 | 3140 |
| | | Fan & Coil | Output Torque Nm | 10900 | 13800 | 15100 | 16500 | 20500 | 50900 | 62000 | 124000 | 167000 | 237000 | 234000 |
| | | Thermal | Input Power kW | 69.1 | 90.5 | 114 | 122 | 164 | 201 | 297 | 362 | 533 | 697 | 1010 |
| | | with fan | Output Torque Nm | 5620 | 7370 | 9370 | 10000 | 13600 | 16600 | 23900 | 29800 | 43500 | 57700 | 83100 |
| 8.40 | 114. | Thermal | Input Power kW | 101 | 127 | 129 | 122 | 156 | 501 | 589 | 1350 | 1600 | 2310 | 2110 |
| | | with coil | Output Torque Nm | 8230 | 10300 | 10600 | 10100 | 13000 | 41300 | 47300 | 111000 | 131000 | 191000 | 173000 |
| | | Thermal | Input Power kW | 141 | 179 | 199 | 210 | 262 | 635 | 783 | 1560 | 2140 | 3000 | 3010 |
| | | Fan & Coil | Output Torque Nm | 11500 | 14600 | 16300 | 17300 | 21800 | 52300 | 62900 | 129000 | 174000 | 248000 | 247000 |

Note: Cooling coils cannot be fitted to vertical units

B2 THERMAL RATINGS AT 960REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|--------------------|------------------|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 9.3 | 103. | Thermal with fan | Input Power kW | 66.9 | 87.6 | 111 | 118 | 158 | 195 | 287 | 350 | 516 | 674 | 981 |
| | | | Output Torque Nm | 5980 | 7950 | 9900 | 10700 | 14500 | 17600 | 25300 | 31700 | 46300 | 61200 | 88300 |
| | | Thermal with coil | Input Power kW | 100 | 125 | 128 | 121 | 155 | 480 | 559 | 1280 | 1520 | 2200 | 2030 |
| | | | Output Torque Nm | 8960 | 11400 | 11500 | 10900 | 14100 | 43500 | 49300 | 116000 | 136000 | 200000 | 183000 |
| | | Fan & Coil | Input Power kW | 136 | 173 | 191 | 200 | 253 | 592 | 724 | 1470 | 2030 | 2840 | 2890 |
| 10.3 | 93. | Thermal with fan | Input Power kW | 64.7 | 84.7 | 107 | 114 | 153 | 189 | 278 | 339 | 499 | 652 | 949 |
| | | | Output Torque Nm | 6410 | 8400 | 10500 | 11300 | 15000 | 19100 | 27600 | 34000 | 50600 | 66100 | 93300 |
| | | Thermal with coil | Input Power kW | 99.2 | 124 | 127 | 120 | 153 | 459 | 531 | 1210 | 1440 | 2100 | 1950 |
| | | | Output Torque Nm | 9830 | 12300 | 12400 | 11800 | 15000 | 46400 | 52600 | 122000 | 147000 | 213000 | 192000 |
| | | Thermal Fan & Coil | Input Power kW | 131 | 166 | 184 | 191 | 244 | 553 | 670 | 1380 | 1920 | 2700 | 2760 |
| 11.4 | 84. | Thermal with fan | Input Power kW | 62.5 | 81.9 | 103 | 110 | 148 | 182 | 269 | 328 | 482 | 631 | 917 |
| | | | Output Torque Nm | 6880 | 9070 | 11500 | 12100 | 16000 | 20400 | 29500 | 36400 | 54100 | 70600 | 99600 |
| | | Thermal with coil | Input Power kW | 98.1 | 123 | 125 | 118 | 152 | 439 | 503 | 1150 | 1370 | 2000 | 1870 |
| | | | Output Torque Nm | 10800 | 13600 | 14000 | 12900 | 16400 | 49000 | 55100 | 127000 | 154000 | 223000 | 203000 |
| | | Fan & Coil | Input Power kW | 126 | 160 | 176 | 181 | 235 | 515 | 621 | 1290 | 1810 | 2550 | 2640 |
| 12.6 | 76. | Thermal with fan | Input Power kW | 60.5 | 79.2 | 100 | 107 | 143 | 176 | 260 | 317 | 466 | 610 | 887 |
| | | | Output Torque Nm | 7350 | 9780 | 12200 | 13000 | 17200 | 21900 | 31700 | 39100 | 58200 | 76000 | 107000 |
| | | Thermal with coil | Input Power kW | 96.9 | 121 | 124 | 117 | 150 | 418 | 477 | 1080 | 1300 | 1890 | 1790 |
| | | | Output Torque Nm | 11800 | 15000 | 15100 | 14200 | 18100 | 52000 | 58200 | 134000 | 162000 | 236000 | 217000 |
| | | Thermal Fan & Coil | Input Power kW | 121 | 153 | 169 | 173 | 226 | 481 | 577 | 1210 | 1710 | 2410 | 2510 |
| 14.0 | 68. | Thermal with fan | Input Power kW | 58.5 | 76.6 | 96.8 | 103 | 139 | 171 | 252 | 307 | 451 | 590 | 858 |
| | | | Output Torque Nm | 7890 | 10300 | 12900 | 14000 | 18800 | 23100 | 34100 | 41500 | 61200 | 80100 | 117000 |
| | | Thermal with coil | Input Power kW | 95.8 | 120 | 122 | 115 | 149 | 398 | 452 | 1020 | 1230 | 1800 | 1720 |
| | | | Output Torque Nm | 12900 | 16200 | 16200 | 15600 | 20200 | 54000 | 61200 | 139000 | 166000 | 244000 | 233000 |
| | | Thermal Fan & Coil | Input Power kW | 116 | 147 | 162 | 164 | 217 | 448 | 536 | 1130 | 1610 | 2270 | 2390 |
| 15.4 | 62. | Thermal with fan | Input Power kW | 56.7 | 74.3 | 93.8 | 99.9 | 134 | 165 | 244 | 297 | 438 | 572 | 832 |
| | | | Output Torque Nm | 8480 | 11100 | 13900 | 14900 | 20100 | 24700 | 36500 | 44400 | 65500 | 85700 | 125000 |
| | | Thermal with coil | Input Power kW | 94.6 | 118 | 121 | 114 | 148 | 379 | 428 | 964 | 1160 | 1700 | 1640 |
| | | | Output Torque Nm | 14200 | 17700 | 17900 | 17000 | 22100 | 56700 | 64000 | 144000 | 173000 | 255000 | 246000 |
| | | Thermal Fan & Coil | Input Power kW | 111 | 141 | 155 | 156 | 209 | 419 | 500 | 1060 | 1520 | 2140 | 2280 |
| 17.1 | 56. | Thermal with fan | Input Power kW | 55.1 | 72.1 | 91.2 | 97.1 | 131 | 161 | 237 | 289 | 425 | 555 | 808 |
| | | | Output Torque Nm | 9060 | 11900 | 14800 | 16000 | 21200 | 26900 | 38900 | 48000 | 71400 | 93100 | 131000 |
| | | Thermal with coil | Input Power kW | 93.4 | 117 | 119 | 112 | 146 | 360 | 406 | 909 | 1100 | 1610 | 1570 |
| | | | Output Torque Nm | 15400 | 19200 | 19300 | 18400 | 23700 | 60400 | 66700 | 151000 | 184000 | 270000 | 255000 |
| | | Thermal Fan & Coil | Input Power kW | 106 | 135 | 148 | 149 | 201 | 391 | 468 | 990 | 1430 | 2020 | 2160 |
| 18.9 | 50. | Thermal with fan | Input Power kW | 53.7 | 70.3 | 88.8 | 94.5 | 127 | 157 | 231 | 281 | 414 | 541 | 787 |
| | | | Output Torque Nm | 9790 | 12800 | 16400 | 17300 | 23200 | 28600 | 42100 | 51300 | 75500 | 98700 | 144000 |
| | | Thermal with coil | Input Power kW | 92.2 | 115 | 118 | 111 | 145 | 342 | 384 | 855 | 1030 | 1520 | 1500 |
| | | | Output Torque Nm | 16800 | 21100 | 21700 | 20200 | 26500 | 62400 | 70100 | 156000 | 189000 | 278000 | 274000 |
| | | Thermal Fan & Coil | Input Power kW | 102 | 130 | 142 | 143 | 194 | 367 | 439 | 926 | 1340 | 1900 | 2060 |
| | | | Output Torque Nm | 18600 | 23700 | 26300 | 26000 | 35400 | 66900 | 80000 | 169000 | 245000 | 346000 | 376000 |

Note: Cooling coils cannot be fitted to vertical units

B2 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 5.06 | 143. | Mechanical | Input Power kW | 35.6 | 61.4 | 89.6 | 109 | 156 | 217 | 298 | 401 | 539 | 826 | 1140 |
| | | | Output Torque Nm | 2380 | 4050 | 6000 | 7160 | 10300 | 14300 | 19700 | 26500 | 36200 | 54800 | 75600 |
| | | Thermal | Input Power kW | 56.2 | 73.1 | 89.9 | 82.9 | 117 | 138 | 207 | 281 | 413 | 528 | 774 |
| | | No Fan | Output Torque Nm | 3760 | 4820 | 6020 | 5470 | 7680 | 9080 | 13600 | 18600 | 27800 | 35100 | 51400 |
| 5.60 | 129. | Mechanical | Efficiency % | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | | Input Power kW | 35.6 | 61.4 | 89.6 | 109 | 156 | 217 | 298 | 401 | 539 | 826 | 1140 |
| | | | Output Torque Nm | 2570 | 4500 | 6580 | 7940 | 11400 | 16200 | 21500 | 29500 | 39200 | 60800 | 84300 |
| | | Thermal | Input Power kW | 55.7 | 72.4 | 89.1 | 82.1 | 116 | 136 | 205 | 278 | 409 | 523 | 767 |
| 6.20 | 116. | No Fan | Output Torque Nm | 4010 | 5290 | 6550 | 6010 | 8490 | 10100 | 14800 | 20500 | 29700 | 38500 | 56800 |
| | | | Efficiency % | 98 | 98 | 98 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 35.6 | 61.4 | 89.6 | 109 | 156 | 217 | 298 | 401 | 539 | 826 | 1140 |
| | | | Output Torque Nm | 2870 | 4970 | 7290 | 8920 | 12700 | 17400 | 24100 | 32500 | 44100 | 68200 | 93500 |
| 6.86 | 105. | Thermal | Input Power kW | 55.1 | 71.6 | 88.1 | 81.3 | 114 | 135 | 202 | 275 | 405 | 518 | 759 |
| | | No Fan | Output Torque Nm | 4450 | 5790 | 7170 | 6680 | 9320 | 10800 | 16400 | 22300 | 33100 | 42700 | 62300 |
| | | | Efficiency % | 98 | 98 | 98 | 97 | 97 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 35.6 | 61.3 | 89.6 | 109 | 147 | 208 | 298 | 401 | 539 | 826 | 1040 |
| 7.59 | 95. | | Output Torque Nm | 3160 | 5530 | 7960 | 9760 | 13300 | 18700 | 26100 | 36000 | 48000 | 74500 | 92900 |
| | | Thermal | Input Power kW | 54.5 | 70.8 | 87.1 | 80.3 | 113 | 133 | 200 | 272 | 400 | 512 | 750 |
| | | No Fan | Output Torque Nm | 4840 | 6380 | 7740 | 7220 | 10200 | 12000 | 17500 | 24500 | 35600 | 46200 | 67100 |
| | | | Efficiency % | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 8.40 | 86. | Mechanical | Input Power kW | 35.6 | 54.5 | 82.5 | 87.5 | 132 | 183 | 242 | 344 | 466 | 680 | 943 |
| | | | Output Torque Nm | 3500 | 5370 | 8010 | 8670 | 13200 | 18200 | 23400 | 34100 | 45800 | 67700 | 92900 |
| | | Thermal | Input Power kW | 53.8 | 70.0 | 86.1 | 79.4 | 112 | 132 | 198 | 269 | 396 | 506 | 742 |
| | | No Fan | Output Torque Nm | 5300 | 6890 | 8360 | 7870 | 11200 | 13100 | 19100 | 26700 | 38900 | 50300 | 73100 |
| 9.3 | 77. | | Efficiency % | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 25.1 | 37.3 | 56.4 | 78.4 | 114 | 154 | 212 | 293 | 410 | 595 | 840 |
| | | | Output Torque Nm | 2710 | 4030 | 6120 | 8560 | 12500 | 16800 | 22600 | 31900 | 44300 | 65100 | 91100 |
| | | Thermal | Input Power kW | 53.2 | 69.2 | 85.2 | 78.5 | 110 | 130 | 196 | 266 | 391 | 500 | 733 |
| 10.3 | 70. | No Fan | Output Torque Nm | 5730 | 7460 | 9240 | 8570 | 12200 | 14200 | 20800 | 29000 | 42300 | 54700 | 79500 |
| | | | Efficiency % | 98 | 98 | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 25.1 | 37.3 | 56.4 | 66.9 | 101 | 134 | 184 | 262 | 345 | 514 | 720 |
| | | | Output Torque Nm | 2980 | 4490 | 6680 | 8020 | 12200 | 16100 | 21500 | 31300 | 40900 | 61700 | 85600 |
| 11.4 | 63.6 | Thermal | Input Power kW | 52.6 | 68.4 | 84.2 | 77.6 | 109 | 129 | 193 | 263 | 387 | 495 | 725 |
| | | No Fan | Output Torque Nm | 6230 | 8220 | 9980 | 9300 | 13200 | 15400 | 22600 | 31500 | 45900 | 59400 | 86200 |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| | | Mechanical | Input Power kW | 25.1 | 37.3 | 56.4 | 66.9 | 101 | 120 | 184 | 257 | 345 | 508 | 702 |
| 12.6 | 57. | | Output Torque Nm | 3300 | 4900 | 7300 | 8780 | 13100 | 16000 | 24100 | 34100 | 46300 | 68200 | 91100 |
| | | Thermal | Input Power kW | 52.0 | 67.5 | 83.1 | 76.6 | 108 | 127 | 191 | 260 | 382 | 488 | 716 |
| | | No Fan | Output Torque Nm | 6820 | 8870 | 10800 | 10100 | 14000 | 17000 | 25100 | 34500 | 51300 | 65500 | 92900 |
| | | | Efficiency % | 98 | 98 | 97 | 98 | 98 | 97 | 97 | 98 | 97 | 98 | 98 |
| 14.0 | 51. | Mechanical | Input Power kW | 20.6 | 24.7 | 35.3 | 57.3 | 86.3 | 108 | 163 | 219 | 308 | 440 | 627 |
| | | | Output Torque Nm | 2990 | 3620 | 5210 | 8320 | 12300 | 16000 | 23700 | 32100 | 45700 | 65100 | 90000 |
| | | Thermal | Input Power kW | 51.3 | 66.6 | 82.0 | 75.6 | 106 | 126 | 188 | 256 | 377 | 482 | 706 |
| | | No Fan | Output Torque Nm | 7460 | 9770 | 12100 | 11000 | 15200 | 18600 | 27300 | 37600 | 55900 | 71400 | 101000 |
| 15.4 | 46. | | Efficiency % | 97 | 97 | 98 | 98 | 97 | 98 | 98 | 97 | 97 | 98 | 98 |
| | | Mechanical | Input Power kW | 15.3 | 24.7 | 35.3 | 49.8 | 73.4 | 97.2 | 139 | 186 | 264 | 386 | 542 |
| | | | Output Torque Nm | 2470 | 4030 | 5680 | 8050 | 11700 | 16000 | 22500 | 30500 | 43600 | 63700 | 86600 |
| | | Thermal | Input Power kW | 50.5 | 65.7 | 80.9 | 74.6 | 105 | 124 | 186 | 253 | 371 | 475 | 696 |
| 15.4 | 46. | No Fan | Output Torque Nm | 8140 | 10700 | 13000 | 12000 | 16700 | 20400 | 30000 | 41300 | 61400 | 78400 | 111000 |
| | | | Efficiency % | 98 | 97 | 97 | 98 | 97 | 97 | 98 | 97 | 97 | 98 | 98 |
| | | Mechanical | Input Power kW | 15.3 | 24.7 | 35.3 | 46.7 | 70.8 | 91.5 | 139 | 186 | 264 | 386 | 542 |
| | | | Output Torque Nm | 2740 | 4400 | 6210 | 8380 | 12700 | 16400 | 25000 | 33400 | 47300 | 69300 | 97400 |
| 14.0 | 51. | Thermal | Input Power kW | 49.9 | 64.8 | 79.8 | 73.6 | 103 | 122 | 183 | 249 | 367 | 469 | 687 |
| | | No Fan | Output Torque Nm | 8900 | 11600 | 14000 | 13200 | 18600 | 21900 | 32900 | 44700 | 65700 | 84200 | 123000 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 98 | 97 | 98 | 97 | 97 | 97 | 98 |
| | | Mechanical | Input Power kW | 15.2 | 22.8 | 25.4 | 42.2 | 61.2 | 82.9 | 114 | 161 | 229 | 330 | 448 |
| 15.4 | 46. | | Output Torque Nm | 3010 | 4510 | 4990 | 8360 | 12100 | 16400 | 22600 | 31800 | 45400 | 65400 | 88900 |
| | | Thermal | Input Power kW | 49.2 | 64.0 | 78.8 | 72.6 | 102 | 121 | 181 | 246 | 362 | 463 | 678 |
| | | No Fan | Output Torque Nm | 9750 | 12700 | 15500 | 14400 | 20200 | 23900 | 35800 | 48800 | 71700 | 91700 | 135000 |
| | | | Efficiency % | 98 | 97 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 97 | 98 |

B2 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 17.1 | 42. | Mechanical | Input Power kW | 11.8 | 17.5 | 25.4 | 31.8 | 46.6 | 61.9 | 85.8 | 117 | 167 | 247 | 347 |
| | | | Output Torque Nm | 2570 | 3800 | 5450 | 6920 | 10000 | 13700 | 18700 | 25700 | 37200 | 54700 | 74400 |
| | | Thermal | Input Power kW | 48.7 | 63.3 | 77.9 | 71.8 | 101 | 119 | 179 | 243 | 358 | 457 | 670 |
| | | No Fan | Output Torque Nm | 10600 | 13800 | 16700 | 15600 | 21700 | 26500 | 38900 | 53600 | 79600 | 102000 | 144000 |
| | | | Efficiency % | 97 | 97 | 97 | 98 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 18.9 | 38. | Mechanical | Input Power kW | 11.8 | 17.5 | 23.8 | 31.8 | 46.6 | 61.9 | 85.8 | 117 | 167 | 247 | 347 |
| | | | Output Torque Nm | 2850 | 4220 | 5820 | 7680 | 11300 | 14900 | 20700 | 28200 | 40400 | 59600 | 83700 |
| | | Thermal | Input Power kW | 48.0 | 62.5 | 76.9 | 70.9 | 99.7 | 118 | 177 | 240 | 353 | 452 | 662 |
| | | No Fan | Output Torque Nm | 11600 | 15100 | 18800 | 17100 | 24100 | 28400 | 42700 | 58000 | 85300 | 109000 | 160000 |
| | | | Efficiency % | 97 | 97 | 98 | 97 | 98 | 97 | 97 | 97 | 98 | 97 | 97 |

B2 THERMAL RATINGS AT 725 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 5.06 | 143. | Thermal | Input Power kW | 74.3 | 97.2 | 123 | 131 | 176 | 217 | 319 | 389 | 573 | 749 | 1090 | |
| | | | Output Torque Nm | 4970 | 6410 | 8230 | 8630 | 11600 | 14300 | 21000 | 25700 | 38500 | 49700 | 72300 | |
| | | Thermal | Input Power kW | 110 | 138 | 143 | 135 | 172 | 616 | 766 | 1720 | 2040 | 2880 | 2570 | |
| | | | Output Torque Nm | 7380 | 9130 | 9570 | 8910 | 11300 | 40600 | 50500 | 114000 | 137000 | 191000 | 171000 | |
| | | Thermal | Input Power kW | 159 | 203 | 226 | 251 | 293 | 871 | 1160 | 2050 | 2650 | 3700 | 3540 | |
| 5.60 | 129. | Fan & Coil | Output Torque Nm | 10600 | 13400 | 15200 | 16600 | 19300 | 57400 | 76700 | 135000 | 178000 | 246000 | 235000 | |
| | | Thermal | Input Power kW | 72.3 | 94.7 | 120 | 127 | 171 | 211 | 311 | 379 | 558 | 729 | 1060 | |
| | | | Output Torque Nm | 5210 | 6930 | 8800 | 9320 | 12600 | 15700 | 22400 | 27900 | 40500 | 53700 | 78600 | |
| | | Thermal | Input Power kW | 110 | 137 | 142 | 134 | 171 | 596 | 733 | 1650 | 1960 | 2780 | 2500 | |
| | | | Output Torque Nm | 7900 | 10100 | 10400 | 9810 | 12500 | 44300 | 52900 | 121000 | 143000 | 204000 | 185000 | |
| 6.20 | 116. | Fan & Coil | Input Power kW | 155 | 197 | 220 | 241 | 285 | 816 | 1070 | 1940 | 2540 | 3550 | 3420 | |
| | | | Output Torque Nm | 11200 | 14400 | 16100 | 17600 | 20900 | 60700 | 76900 | 143000 | 185000 | 261000 | 254000 | |
| | | Thermal | Input Power kW | 70.3 | 92.0 | 116 | 124 | 166 | 205 | 302 | 368 | 542 | 709 | 1030 | |
| | | | Output Torque Nm | 5670 | 7440 | 9460 | 10200 | 13600 | 16400 | 24400 | 29800 | 44300 | 58500 | 84700 | |
| | | Thermal | Input Power kW | 109 | 136 | 141 | 133 | 169 | 575 | 700 | 1580 | 1880 | 2670 | 2420 | |
| 6.86 | 105. | | Output Torque Nm | 8780 | 11000 | 11500 | 10900 | 13800 | 46000 | 56600 | 128000 | 154000 | 221000 | 199000 | |
| | | Thermal | Input Power kW | 150 | 191 | 212 | 231 | 276 | 763 | 977 | 1840 | 2430 | 3400 | 3310 | |
| | | | Output Torque Nm | 12100 | 15500 | 17300 | 19000 | 22500 | 61000 | 79100 | 149000 | 199000 | 281000 | 272000 | |
| | | Thermal | Input Power kW | 68.1 | 89.2 | 113 | 120 | 161 | 199 | 293 | 357 | 526 | 687 | 1000 | |
| | | | Output Torque Nm | 6050 | 8040 | 10000 | 10800 | 14600 | 17900 | 25700 | 32100 | 46800 | 62000 | 89400 | |
| 7.59 | 95. | Thermal | Input Power kW | 108 | 135 | 139 | 132 | 168 | 554 | 668 | 1510 | 1800 | 2570 | 2340 | |
| | | | Output Torque Nm | 9570 | 12200 | 12400 | 11800 | 15200 | 49800 | 58500 | 136000 | 160000 | 231000 | 209000 | |
| | | Thermal | Input Power kW | 146 | 185 | 205 | 221 | 268 | 712 | 897 | 1730 | 2320 | 3250 | 3190 | |
| | | | Output Torque Nm | 12900 | 16700 | 18200 | 19800 | 24300 | 64000 | 78600 | 156000 | 207000 | 293000 | 285000 | |
| | | Thermal | Input Power kW | 66.0 | 86.5 | 109 | 116 | 156 | 193 | 284 | 346 | 510 | 666 | 969 | |
| 8.40 | 86. | | Output Torque Nm | 6500 | 8510 | 10600 | 11500 | 15700 | 19100 | 27400 | 34300 | 50000 | 66200 | 95500 | |
| | | Thermal | Input Power kW | 107 | 134 | 138 | 130 | 167 | 534 | 636 | 1440 | 1720 | 2460 | 2260 | |
| | | | Output Torque Nm | 10500 | 13200 | 13400 | 12900 | 16700 | 52900 | 61500 | 143000 | 169000 | 245000 | 223000 | |
| | | Thermal | Input Power kW | 141 | 179 | 198 | 211 | 259 | 665 | 826 | 1630 | 2210 | 3100 | 3060 | |
| | | | Output Torque Nm | 13900 | 17600 | 19200 | 20900 | 25900 | 65900 | 79800 | 162000 | 217000 | 308000 | 302000 | |
| 8.40 | 86. | Thermal | Input Power kW | 64.0 | 83.8 | 106 | 113 | 152 | 187 | 275 | 335 | 494 | 645 | 938 | |
| | | | Output Torque Nm | 6890 | 9040 | 11500 | 12300 | 16700 | 20400 | 29300 | 36600 | 53400 | 70600 | 102000 | |
| | | Thermal | Input Power kW | 106 | 133 | 137 | 129 | 165 | 513 | 606 | 1370 | 1630 | 2350 | 2180 | |
| | | | Output Torque Nm | 11400 | 14300 | 14800 | 14100 | 18200 | 55900 | 64500 | 149000 | 177000 | 257000 | 236000 | |
| | | Thermal | Input Power kW | 136 | 173 | 190 | 201 | 250 | 620 | 761 | 1540 | 2100 | 2940 | 2940 | |
| 8.40 | 86. | | Fan & Coil | Output Torque Nm | 14600 | 18600 | 20700 | 21900 | 27600 | 67700 | 81000 | 168000 | 227000 | 322000 | 319000 |

Note: Cooling coils cannot be fitted to vertical units

B2 THERMAL RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 9.3 | 77. | Thermal with fan | Input Power kW | 61.9 | 81.1 | 102 | 109 | 147 | 181 | 266 | 324 | 478 | 625 | 909 |
| | | | Output Torque Nm | 7330 | 9750 | 12100 | 13100 | 17700 | 21600 | 31100 | 38800 | 56700 | 75000 | 108000 |
| | | Thermal with coil | Input Power kW | 105 | 131 | 135 | 128 | 164 | 492 | 576 | 1300 | 1560 | 2250 | 2100 |
| | | | Output Torque Nm | 12400 | 15800 | 16000 | 15300 | 19800 | 58900 | 67300 | 156000 | 185000 | 270000 | 250000 |
| | | Thermal | Input Power kW | 131 | 167 | 183 | 191 | 242 | 578 | 702 | 1440 | 1990 | 2790 | 2820 |
| | | Fan & Coil | Output Torque Nm | 15500 | 20000 | 21700 | 22900 | 29200 | 69300 | 82000 | 173000 | 236000 | 336000 | 335000 |
| 10.3 | 70. | Thermal with fan | Input Power kW | 59.9 | 78.5 | 99.1 | 106 | 142 | 175 | 258 | 314 | 462 | 604 | 879 |
| | | | Output Torque Nm | 7860 | 10300 | 12800 | 13900 | 18400 | 23400 | 33800 | 41700 | 62100 | 81000 | 114000 |
| | | Thermal with coil | Input Power kW | 104 | 130 | 134 | 126 | 163 | 471 | 547 | 1230 | 1480 | 2140 | 2020 |
| | | | Output Torque Nm | 13600 | 17100 | 17300 | 16600 | 21000 | 63000 | 71900 | 164000 | 198000 | 287000 | 262000 |
| | | Thermal | Input Power kW | 126 | 160 | 176 | 182 | 233 | 539 | 649 | 1350 | 1880 | 2650 | 2690 |
| | | Fan & Coil | Output Torque Nm | 16500 | 21000 | 22800 | 23900 | 30100 | 72100 | 85200 | 180000 | 253000 | 355000 | 349000 |
| 11.4 | 63.6 | Thermal with fan | Input Power kW | 57.9 | 75.9 | 95.9 | 102 | 137 | 169 | 249 | 303 | 447 | 584 | 850 |
| | | | Output Torque Nm | 8440 | 11100 | 14100 | 14800 | 19600 | 25000 | 36100 | 44600 | 66300 | 86500 | 122000 |
| | | Thermal with coil | Input Power kW | 103 | 129 | 132 | 125 | 161 | 450 | 520 | 1170 | 1400 | 2040 | 1930 |
| | | | Output Torque Nm | 14900 | 18900 | 19500 | 18100 | 23100 | 66500 | 75400 | 172000 | 208000 | 302000 | 278000 |
| | | Thermal | Input Power kW | 121 | 154 | 169 | 173 | 224 | 502 | 601 | 1270 | 1780 | 2500 | 2570 |
| | | Fan & Coil | Output Torque Nm | 17600 | 22600 | 24900 | 25100 | 32100 | 74200 | 87200 | 186000 | 264000 | 371000 | 369000 |
| 12.6 | 57. | Thermal with fan | Input Power kW | 56.0 | 73.3 | 92.7 | 98.7 | 133 | 163 | 241 | 293 | 432 | 565 | 822 |
| | | | Output Torque Nm | 9020 | 12000 | 14900 | 15900 | 21200 | 26900 | 38900 | 48000 | 71400 | 93200 | 131000 |
| | | Thermal with coil | Input Power kW | 101 | 127 | 131 | 123 | 159 | 429 | 493 | 1110 | 1330 | 1940 | 1850 |
| | | | Output Torque Nm | 16300 | 20800 | 21100 | 19900 | 25400 | 70700 | 79700 | 181000 | 220000 | 319000 | 296000 |
| | | Thermal | Input Power kW | 116 | 148 | 161 | 165 | 215 | 468 | 557 | 1190 | 1680 | 2360 | 2450 |
| | | Fan & Coil | Output Torque Nm | 18700 | 24100 | 26000 | 26600 | 34400 | 77000 | 90100 | 194000 | 277000 | 390000 | 391000 |
| 14.0 | 51. | Thermal with fan | Input Power kW | 54.2 | 71.0 | 89.7 | 95.5 | 128 | 158 | 233 | 284 | 418 | 547 | 795 |
| | | | Output Torque Nm | 9680 | 12700 | 15800 | 17100 | 23000 | 28400 | 41800 | 50900 | 75000 | 98200 | 143000 |
| | | Thermal with coil | Input Power kW | 100 | 126 | 129 | 122 | 158 | 409 | 468 | 1040 | 1260 | 1840 | 1780 |
| | | | Output Torque Nm | 17900 | 22400 | 22700 | 21800 | 28300 | 73400 | 83900 | 187000 | 226000 | 330000 | 319000 |
| | | Thermal | Input Power kW | 112 | 142 | 155 | 157 | 207 | 436 | 518 | 1110 | 1580 | 2230 | 2330 |
| | | Fan & Coil | Output Torque Nm | 19900 | 25300 | 27200 | 28100 | 37200 | 78200 | 92900 | 199000 | 283000 | 400000 | 419000 |
| 15.4 | 46. | Thermal with fan | Input Power kW | 52.5 | 68.8 | 86.9 | 92.6 | 124 | 153 | 226 | 275 | 405 | 530 | 771 |
| | | | Output Torque Nm | 10400 | 13600 | 17100 | 18300 | 24700 | 30400 | 44700 | 54500 | 80300 | 105000 | 153000 |
| | | Thermal with coil | Input Power kW | 98.9 | 124 | 127 | 120 | 157 | 389 | 444 | 986 | 1190 | 1740 | 1700 |
| | | | Output Torque Nm | 19600 | 24600 | 25100 | 23800 | 31000 | 77100 | 87900 | 195000 | 236000 | 345000 | 337000 |
| | | Thermal | Input Power kW | 107 | 136 | 148 | 149 | 199 | 407 | 482 | 1040 | 1490 | 2100 | 2210 |
| | | Fan & Coil | Output Torque Nm | 21200 | 26900 | 29100 | 29500 | 39400 | 80500 | 95500 | 205000 | 294000 | 416000 | 439000 |
| 17.1 | 42. | Thermal with fan | Input Power kW | 51.0 | 66.8 | 84.4 | 89.9 | 121 | 149 | 219 | 267 | 394 | 515 | 748 |
| | | | Output Torque Nm | 11100 | 14500 | 18100 | 19600 | 26000 | 33000 | 47700 | 58900 | 87600 | 114000 | 161000 |
| | | Thermal with coil | Input Power kW | 97.7 | 122 | 126 | 118 | 155 | 371 | 421 | 930 | 1130 | 1650 | 1630 |
| | | | Output Torque Nm | 21300 | 26700 | 27100 | 25800 | 33300 | 82200 | 91700 | 205000 | 251000 | 366000 | 349000 |
| | | Thermal | Input Power kW | 102 | 130 | 142 | 142 | 191 | 380 | 450 | 969 | 1400 | 1970 | 2100 |
| | | Fan & Coil | Output Torque Nm | 22300 | 28300 | 30400 | 30900 | 41100 | 84300 | 98000 | 213000 | 311000 | 438000 | 452000 |
| 18.9 | 38. | Thermal with fan | Input Power kW | 49.7 | 65.1 | 82.2 | 87.6 | 118 | 145 | 214 | 260 | 383 | 501 | 729 |
| | | | Output Torque Nm | 12000 | 15700 | 20100 | 21200 | 28500 | 35000 | 51600 | 62900 | 92700 | 121000 | 176000 |
| | | Thermal with coil | Input Power kW | 96.4 | 121 | 124 | 117 | 154 | 352 | 400 | 876 | 1060 | 1560 | 1560 |
| | | | Output Torque Nm | 23300 | 29200 | 30300 | 28200 | 37200 | 85100 | 96600 | 212000 | 257000 | 377000 | 376000 |
| | | Thermal | Input Power kW | 98.2 | 125 | 136 | 136 | 184 | 355 | 422 | 905 | 1310 | 1860 | 2000 |
| | | Fan & Coil | Output Torque Nm | 23700 | 30100 | 33200 | 32800 | 44500 | 85800 | 102000 | 219000 | 318000 | 449000 | 483000 |

Note: Cooling coils cannot be fitted to vertical units

B3 RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 125. | Mechanical | Input Power kW | 38.5 | 49.2 | 70.4 | 116 | 165 | 219 | 298 | 388 | 617 | 817 | 1130 |
| | | | Output Torque Nm | 2840 | 3630 | 5400 | 8600 | 12300 | 16400 | 21900 | 28900 | 46100 | 61300 | 86000 |
| | | Thermal | Input Power kW | 31.7 | 41.2 | 50.8 | 42.4 | 56.1 | 63.6 | 84.8 | 106 | 148 | 191 | 286 |
| | | No Fan | Output Torque Nm | 2340 | 3040 | 3890 | 3140 | 4190 | 4770 | 6220 | 7880 | 11000 | 14300 | 21800 |
| 15.4 | 113. | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 |
| | | | Input Power kW | 38.5 | 49.2 | 70.4 | 116 | 165 | 219 | 298 | 388 | 617 | 813 | 1130 |
| | | | Output Torque Nm | 3140 | 4100 | 5860 | 9660 | 13700 | 17700 | 24600 | 31800 | 51800 | 68500 | 95400 |
| | | Thermal | Input Power kW | 31.4 | 40.8 | 50.2 | 41.9 | 55.5 | 62.9 | 83.9 | 105 | 147 | 189 | 283 |
| 17.1 | 102. | No Fan | Output Torque Nm | 2560 | 3400 | 4180 | 3490 | 4600 | 5070 | 6900 | 8580 | 12300 | 15800 | 23900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 38.5 | 49.2 | 70.4 | 116 | 165 | 218 | 298 | 388 | 617 | 817 | 1130 |
| | | | Output Torque Nm | 3520 | 4550 | 6440 | 10400 | 15100 | 20400 | 26900 | 35800 | 57000 | 74100 | 105000 |
| 18.9 | 92. | Thermal | Input Power kW | 31.0 | 40.3 | 49.6 | 41.4 | 54.8 | 62.1 | 82.8 | 104 | 145 | 186 | 279 |
| | | No Fan | Output Torque Nm | 2830 | 3720 | 4530 | 3720 | 5020 | 5780 | 7440 | 9530 | 13300 | 16900 | 25900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 37.8 | 49.2 | 70.4 | 104 | 163 | 218 | 298 | 388 | 558 | 726 | 1030 |
| 20.9 | 83. | | Output Torque Nm | 3800 | 5010 | 7130 | 10500 | 16600 | 21900 | 30100 | 39400 | 58100 | 73900 | 107000 |
| | | Thermal | Input Power kW | 30.6 | 39.8 | 49.0 | 40.9 | 54.1 | 61.3 | 81.8 | 102 | 143 | 184 | 276 |
| | | No Fan | Output Torque Nm | 3070 | 4050 | 4960 | 4120 | 5510 | 6140 | 8250 | 10400 | 14900 | 18700 | 28400 |
| | | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 98 |
| 22.2 | 75. | Mechanical | Input Power kW | 35.0 | 49.2 | 66.3 | 95.9 | 148 | 204 | 262 | 350 | 525 | 720 | 968 |
| | | | Output Torque Nm | 3860 | 5550 | 7570 | 10700 | 16600 | 23300 | 29300 | 39700 | 57600 | 80900 | 110000 |
| | | Thermal | Input Power kW | 30.2 | 39.3 | 48.4 | 40.3 | 53.5 | 60.6 | 80.7 | 101 | 141 | 182 | 273 |
| | | No Fan | Output Torque Nm | 3340 | 4430 | 5530 | 4500 | 5990 | 6910 | 9020 | 11400 | 15500 | 20400 | 30800 |
| 25.6 | 68. | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 96 | 97 | 97 |
| | | Mechanical | Input Power kW | 28.2 | 45.9 | 54.9 | 75.9 | 121 | 172 | 211 | 318 | 443 | 585 | 832 |
| | | | Output Torque Nm | 3800 | 6130 | 7570 | 10500 | 16600 | 23300 | 32800 | 46900 | 63500 | 84200 | 118000 |
| | | Thermal | Input Power kW | 29.9 | 38.8 | 47.8 | 39.9 | 52.8 | 59.8 | 79.8 | 99.7 | 140 | 180 | 269 |
| 28.4 | 61. | No Fan | Output Torque Nm | 3730 | 4840 | 5870 | 4990 | 6570 | 7340 | 10000 | 12400 | 17200 | 22600 | 33800 |
| | | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 96 | 97 | 97 |
| | | Mechanical | Input Power kW | 26.0 | 29.6 | 50.7 | 68.7 | 109 | 159 | 216 | 320 | 381 | 550 | 812 |
| | | | Output Torque Nm | 3860 | 4440 | 7580 | 10500 | 16600 | 23300 | 32500 | 47400 | 59000 | 84300 | 125000 |
| 31.4 | 55. | Thermal | Input Power kW | 29.2 | 37.9 | 46.7 | 38.9 | 51.6 | 58.4 | 77.9 | 97.4 | 136 | 175 | 263 |
| | | No Fan | Output Torque Nm | 4330 | 5700 | 6970 | 5940 | 7820 | 8560 | 11700 | 14400 | 21100 | 26800 | 40500 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 96 |
| | | Mechanical | Input Power kW | 22.5 | 28.5 | 51.3 | 62.3 | 99.2 | 144 | 195 | 290 | 346 | 499 | 737 |
| 34.7 | 50. | | Output Torque Nm | 3750 | 4730 | 8370 | 10500 | 16600 | 23300 | 32400 | 47400 | 59100 | 84300 | 125000 |
| | | Thermal | Input Power kW | 28.9 | 37.5 | 46.2 | 38.5 | 51.0 | 57.8 | 77.1 | 96.3 | 135 | 173 | 260 |
| | | No Fan | Output Torque Nm | 5150 | 6730 | 8420 | 7020 | 9390 | 10400 | 13700 | 17300 | 24800 | 31700 | 47700 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 38.4 | 45. | Mechanical | Input Power kW | 19.5 | 27.5 | 38.1 | 54.1 | 65.3 | 108 | 161 | 207 | 315 | 426 | 616 |
| | | | Output Torque Nm | 3860 | 5540 | 7580 | 11000 | 13400 | 21500 | 31900 | 41400 | 64500 | 86700 | 125000 |
| | | Thermal | Input Power kW | 28.4 | 36.9 | 45.4 | 37.8 | 50.1 | 56.8 | 75.7 | 94.6 | 132 | 170 | 255 |
| | | No Fan | Output Torque Nm | 5610 | 7440 | 9040 | 7670 | 10300 | 11300 | 14900 | 18900 | 27100 | 34600 | 52000 |
| 42.5 | 41. | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 17.6 | 22.3 | 38.5 | 49.3 | 59.5 | 98.0 | 147 | 189 | 287 | 389 | 561 |
| | | | Output Torque Nm | 3860 | 4970 | 8380 | 11000 | 13400 | 21500 | 31900 | 41400 | 64500 | 86700 | 125000 |
| | | Thermal | Input Power kW | 28.1 | 36.6 | 45.0 | 37.5 | 49.7 | 56.3 | 75.1 | 93.9 | 131 | 169 | 253 |
| 47.1 | 37. | No Fan | Output Torque Nm | 6190 | 8170 | 9790 | 8360 | 11200 | 12400 | 16300 | 20600 | 29500 | 37700 | 56600 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 13.7 | 22.3 | 35.5 | 44.6 | 53.8 | 88.6 | 133 | 171 | 260 | 352 | 508 |
| | | | Output Torque Nm | 3350 | 5430 | 8440 | 11000 | 13400 | 21500 | 31900 | 41400 | 64600 | 86700 | 125000 |
| 52.1 | 33. | Thermal | Input Power kW | 28.0 | 36.4 | 44.8 | 37.3 | 49.4 | 56.0 | 74.6 | 93.3 | 131 | 168 | 252 |
| | | No Fan | Output Torque Nm | 6850 | 8870 | 10600 | 9190 | 12300 | 13600 | 17900 | 22600 | 32400 | 41400 | 62200 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 13.7 | 18.0 | 27.2 | 40.0 | 48.3 | 79.6 | 119 | 153 | 234 | 316 | 449 |
| 57.7 | 30. | | Output Torque Nm | 3690 | 4930 | 7370 | 11000 | 13400 | 21500 | 31900 | 41400 | 64600 | 86700 | 124000 |
| | | Thermal | Input Power kW | 27.8 | 36.2 | 44.5 | 37.1 | 49.2 | 55.7 | 74.3 | 92.8 | 130 | 167 | 251 |
| | | No Fan | Output Torque Nm | 7500 | 9930 | 12100 | 10200 | 13600 | 15100 | 19800 | 25100 | 35900 | 45900 | 68900 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 |
| 63.8 | 27. | Mechanical | Input Power kW | 10.3 | 16.2 | 26.1 | 27.5 | 51.9 | 59.4 | 88.2 | 114 | 177 | 238 | 351 |
| | | | Output Torque Nm | 3410 | 5380 | 8440 | 9120 | 17000 | 19800 | 29300 | 37800 | 61100 | 80500 | 117000 |
| | | Thermal | Input Power kW | 27.7 | 35.9 | 44.2 | 36.9 | 48.9 | 55.3 | 73.8 | 92.2 | 129 | 166 | 249 |
| | | No Fan | Output Torque Nm | 9180 | 11900 | 14300 | 12200 | 16000 | 18400 | 24500 | 30500 | 44600 | 56100 | 82500 |
| 70.6 | 24. | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 |
| | | Mechanical | Input Power kW | 10.3 | 13.2 | 20.8 | 28.5 | 35.9 | 59.1 | 76.8 | 112 | 149 | 207 | 282 |
| | | | Output Torque Nm | 3750 | 4880 | 7510 | 10500 | 13400 | 21500 | 27600 | 40900 | 55600 | 76500 | 104000 |
| | | Thermal | Input Power kW | 27.6 | 35.8 | 44.1 | 36.8 | 48.7 | 55.2 | 73.6 | 91.9 | 129 | 165 | 248 |
| 70.6 | 24. | No Fan | Output Torque Nm | 10100 | 13300 | 15900 | 13600 | 18200 | 20100 | 26500 | 33500 | 47900 | 61100 | 91800 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |

B3 RATINGS AT 1750 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 78.2 | 22. | Mechanical | Input Power kW | 9.4 | 13.2 | 20.8 | 22.6 | 42.1 | 48.7 | 72.3 | 93.7 | 145 | 195 | 282 |
| | | | Output Torque Nm | 3870 | 5330 | 8210 | 9120 | 16800 | 19800 | 29300 | 37800 | 61100 | 80600 | 114000 |
| | | Thermal | Input Power kW | 27.5 | 35.8 | 44.1 | 36.7 | 48.7 | 55.1 | 73.5 | 91.8 | 129 | 165 | 248 |
| | | No Fan | Output Torque Nm | 11300 | 14500 | 17400 | 14900 | 19400 | 22400 | 29700 | 37100 | 54200 | 68200 | 100000 |
| 86.5 | 20. | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | | Input Power kW | 6.7 | 12.5 | 19.1 | 20.3 | 38.4 | 42.9 | 65.2 | 83.3 | 133 | 176 | 263 |
| | | Thermal | Output Torque Nm | 3010 | 5630 | 8440 | 9120 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | No Fan | Input Power kW | 27.5 | 35.7 | 44.0 | 36.7 | 48.6 | 55.0 | 73.3 | 91.7 | 128 | 165 | 248 |
| 95.7 | 18. | Mechanical | Output Torque Nm | 12300 | 16100 | 19500 | 16500 | 21500 | 25400 | 32900 | 41700 | 58900 | 75500 | 110000 |
| | | | Efficiency % | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Thermal | Input Power kW | 6.0 | 9.1 | 11.6 | 20.3 | 25.5 | 39.6 | 50.5 | 77.2 | 97.4 | 163 | 205 |
| | | No Fan | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 19900 | 25200 | 38500 | 48500 | 81100 | 102000 |

B3 THERMAL RATINGS AT 1750 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 125. | Thermal | Input Power kW | 62.4 | 98.9 | 127 | 119 | 156 | 200 | 263 | 342 | 463 | 616 | 819 |
| | | | Output Torque Nm | 4610 | 7300 | 9770 | 8840 | 11600 | 15100 | 19300 | 25500 | 34600 | 46300 | 62600 |
| | | Thermal | Input Power kW | 58.8 | 71.9 | 94.6 | 93.0 | 109 | 169 | 258 | 403 | 736 | 808 | 1080 |
| | | with coil | Output Torque Nm | 4330 | 5310 | 7260 | 6910 | 8140 | 12700 | 19000 | 30000 | 54900 | 60600 | 82200 |
| 15.4 | 113. | Thermal | Input Power kW | 102 | 159 | 207 | 206 | 258 | 367 | 529 | 761 | 1090 | 1500 | 2070 |
| | | Fan & Coil | Output Torque Nm | 7560 | 11700 | 15900 | 15300 | 19300 | 27600 | 39000 | 56800 | 81500 | 113000 | 158000 |
| | | Thermal | Input Power kW | 61.7 | 97.8 | 126 | 118 | 154 | 198 | 260 | 338 | 458 | 610 | 810 |
| | | with fan | Output Torque Nm | 5040 | 8150 | 10500 | 9820 | 12800 | 16000 | 21400 | 27700 | 38500 | 51300 | 68700 |
| 17.1 | 102. | Thermal | Input Power kW | 58.2 | 71.1 | 93.7 | 92.1 | 107 | 168 | 254 | 397 | 719 | 790 | 1030 |
| | | with coil | Output Torque Nm | 4750 | 5930 | 7800 | 7680 | 8920 | 13600 | 21000 | 32600 | 60400 | 66500 | 87400 |
| | | Thermal | Input Power kW | 101 | 157 | 205 | 204 | 255 | 364 | 523 | 752 | 1070 | 1470 | 2000 |
| | | Fan & Coil | Output Torque Nm | 8280 | 13100 | 17000 | 17000 | 21200 | 29500 | 43100 | 61800 | 89900 | 124000 | 170000 |
| 18.9 | 92. | Thermal | Input Power kW | 61.0 | 96.7 | 124 | 116 | 152 | 196 | 257 | 334 | 452 | 602 | 800 |
| | | with fan | Output Torque Nm | 5580 | 8940 | 11400 | 10500 | 13900 | 18300 | 23100 | 30800 | 41800 | 54600 | 74500 |
| | | Thermal | Input Power kW | 57.6 | 70.3 | 92.7 | 91.0 | 106 | 166 | 250 | 392 | 701 | 771 | 987 |
| | | with coil | Output Torque Nm | 5270 | 6500 | 8480 | 8190 | 9720 | 15500 | 22600 | 36200 | 64800 | 70000 | 91900 |
| 20.9 | 83. | Thermal | Input Power kW | 100 | 155 | 202 | 201 | 252 | 361 | 515 | 742 | 1050 | 1440 | 1920 |
| | | Fan & Coil | Output Torque Nm | 9180 | 14400 | 18500 | 18100 | 23100 | 33700 | 46400 | 68500 | 96800 | 131000 | 179000 |
| | | Thermal | Input Power kW | 60.3 | 95.5 | 123 | 115 | 150 | 193 | 254 | 330 | 447 | 595 | 791 |
| | | with fan | Output Torque Nm | 6050 | 9720 | 12400 | 11600 | 15300 | 19400 | 25600 | 33500 | 46500 | 60500 | 81600 |
| 23.2 | 75. | Thermal | Input Power kW | 56.9 | 69.4 | 91.6 | 90.0 | 105 | 165 | 246 | 386 | 683 | 752 | 943 |
| | | with coil | Output Torque Nm | 5720 | 7070 | 9280 | 9090 | 10600 | 16600 | 24900 | 39200 | 71000 | 76600 | 97400 |
| | | Thermal | Input Power kW | 99.2 | 154 | 200 | 199 | 248 | 357 | 508 | 731 | 1020 | 1410 | 1850 |
| | | Fan & Coil | Output Torque Nm | 9960 | 15600 | 20300 | 20100 | 25300 | 35900 | 51300 | 74400 | 107000 | 143000 | 191000 |

Note: Cooling coils cannot be fitted to vertical units

B3 THERMAL RATINGS AT 1750REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | |
|---------------|------------------------------|-----------------------------|--------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 |
| 25.6 | 68. | Thermal with fan | 58.1 | 92.1 | 118 | 111 | 145 | 186 | 245 | 318 | 431 | 574 | 763 |
| | | Output Torque Nm | 7850 | 12500 | 16400 | 15300 | 19900 | 25300 | 33900 | 43800 | 58700 | 79800 | 106000 |
| | | Thermal with coil | 54.9 | 66.7 | 88.3 | 86.5 | 99.9 | 161 | 234 | 366 | 624 | 691 | 818 |
| | | Output Torque Nm | 7420 | 9060 | 12200 | 12000 | 13700 | 21800 | 32300 | 50400 | 85000 | 96000 | 113000 |
| 28.4 | 61. | Thermal Fan & Coil | 95.7 | 148 | 193 | 192 | 238 | 347 | 483 | 697 | 951 | 1310 | 1640 |
| | | Input Power KW | 12900 | 20000 | 26600 | 26500 | 32700 | 47000 | 66900 | 95900 | 130000 | 182000 | 227000 |
| | | Output Torque Nm | 8530 | 13700 | 17500 | 16700 | 21700 | 27000 | 36400 | 46700 | 66000 | 86900 | 116000 |
| | | Thermal with coil | 54.3 | 65.8 | 87.2 | 85.3 | 98.3 | 159 | 229 | 359 | 604 | 669 | 779 |
| 31.4 | 55. | Output Torque Nm | 8060 | 9890 | 13000 | 13000 | 14900 | 23300 | 34400 | 53300 | 93500 | 102000 | 120000 |
| | | Thermal Fan & Coil | 94.5 | 146 | 190 | 189 | 234 | 343 | 475 | 685 | 926 | 1270 | 1570 |
| | | Input Power KW | 14000 | 21900 | 28500 | 28900 | 35500 | 50300 | 71400 | 102000 | 144000 | 195000 | 243000 |
| | | Output Torque Nm | 9470 | 15000 | 18900 | 18300 | 23700 | 29500 | 39700 | 50900 | 72000 | 94800 | 127000 |
| 34.7 | 50. | Thermal with coil | 53.5 | 64.8 | 86.0 | 84.1 | 96.6 | 157 | 224 | 352 | 583 | 647 | 741 |
| | | Output Torque Nm | 8920 | 10800 | 14000 | 14200 | 16200 | 25400 | 37200 | 57600 | 99600 | 109000 | 126000 |
| | | Thermal Fan & Coil | 93.3 | 144 | 188 | 186 | 231 | 340 | 466 | 673 | 901 | 1240 | 1510 |
| | | Output Torque Nm | 15500 | 23900 | 30700 | 31400 | 38600 | 54900 | 77300 | 110000 | 154000 | 209000 | 257000 |
| 38.4 | 45. | Thermal with fan | 56.3 | 89.2 | 115 | 107 | 140 | 181 | 237 | 308 | 418 | 556 | 739 |
| | | Output Torque Nm | 10100 | 16200 | 21100 | 19800 | 26100 | 32800 | 42600 | 56000 | 77700 | 103000 | 137000 |
| | | Thermal with coil | 52.9 | 63.9 | 84.9 | 82.8 | 95.0 | 156 | 220 | 344 | 562 | 626 | 705 |
| | | Output Torque Nm | 9520 | 11600 | 15600 | 15300 | 17700 | 28300 | 39400 | 62600 | 105000 | 116000 | 131000 |
| 42.5 | 41. | Thermal Fan & Coil | 92.2 | 142 | 186 | 184 | 227 | 336 | 458 | 660 | 876 | 1200 | 1450 |
| | | Input Power KW | 16600 | 25600 | 34200 | 33900 | 42200 | 61100 | 82200 | 120000 | 163000 | 223000 | 268000 |
| | | Output Torque Nm | 11100 | 17900 | 22700 | 21600 | 28500 | 35800 | 46500 | 61100 | 84800 | 112000 | 149000 |
| | | Thermal Input Power KW | 52.2 | 63.0 | 83.8 | 81.6 | 93.4 | 154 | 215 | 337 | 541 | 604 | 670 |
| 47.1 | 37. | Output Torque Nm | 10300 | 12700 | 16700 | 16600 | 19100 | 30800 | 42400 | 67300 | 111000 | 123000 | 137000 |
| | | Thermal Input Power KW | 91.1 | 140 | 183 | 181 | 223 | 333 | 449 | 648 | 852 | 1170 | 1390 |
| | | Fan & Coil Output Torque Nm | 18000 | 28200 | 36500 | 36800 | 45700 | 66600 | 88800 | 130000 | 174000 | 238000 | 284000 |
| | | Thermal Input Power KW | 55.4 | 87.8 | 113 | 106 | 138 | 178 | 233 | 303 | 411 | 547 | 727 |
| 52.1 | 33. | Output Torque Nm | 12200 | 19600 | 24600 | 23500 | 31000 | 39100 | 50600 | 66500 | 92400 | 122000 | 162000 |
| | | Thermal Input Power KW | 51.5 | 62.1 | 82.7 | 80.3 | 91.7 | 152 | 210 | 329 | 521 | 582 | 638 |
| | | Output Torque Nm | 11300 | 13900 | 18000 | 17900 | 20600 | 33500 | 45500 | 72100 | 117000 | 130000 | 143000 |
| | | Thermal Input Power KW | 90.0 | 138 | 181 | 179 | 220 | 329 | 441 | 635 | 827 | 1140 | 1340 |
| 57.7 | 30. | Fan & Coil Output Torque Nm | 19800 | 30800 | 39400 | 39900 | 49400 | 72400 | 95700 | 139000 | 186000 | 254000 | 299000 |
| | | Thermal Input Power KW | 55.1 | 87.3 | 112 | 105 | 137 | 177 | 232 | 302 | 409 | 544 | 723 |
| | | Output Torque Nm | 13500 | 21300 | 26700 | 25900 | 34100 | 42900 | 55700 | 73100 | 102000 | 134000 | 179000 |
| | | Thermal Input Power KW | 50.9 | 61.2 | 81.6 | 79.1 | 90.1 | 151 | 205 | 321 | 500 | 560 | 607 |
| 63.8 | 27. | Output Torque Nm | 12500 | 14900 | 19400 | 19500 | 22400 | 36600 | 49100 | 77800 | 124000 | 138000 | 150000 |
| | | Thermal Input Power KW | 88.9 | 136 | 179 | 177 | 217 | 326 | 432 | 623 | 804 | 1110 | 1290 |
| | | Fan & Coil Output Torque Nm | 21800 | 33200 | 42500 | 43500 | 53800 | 79300 | 104000 | 151000 | 200000 | 273000 | 318000 |
| | | Thermal Input Power KW | 54.8 | 86.9 | 112 | 104 | 137 | 176 | 231 | 300 | 407 | 541 | 719 |
| 52.1 | 33. | Output Torque Nm | 14800 | 23800 | 30300 | 28700 | 37800 | 47600 | 61700 | 81100 | 112000 | 149000 | 198000 |
| | | Thermal Input Power KW | 50.2 | 60.3 | 80.5 | 77.8 | 88.5 | 149 | 199 | 312 | 480 | 539 | 579 |
| | | Output Torque Nm | 13500 | 16600 | 21800 | 21300 | 24500 | 40300 | 53300 | 84400 | 133000 | 148000 | 159000 |
| | | Thermal Input Power KW | 87.9 | 134 | 177 | 174 | 213 | 323 | 424 | 611 | 781 | 1070 | 1240 |
| 57.7 | 30. | Fan & Coil Output Torque Nm | 23700 | 36800 | 47900 | 47800 | 59100 | 87400 | 113000 | 165000 | 216000 | 295000 | 341000 |
| | | Thermal Input Power KW | 54.6 | 86.6 | 111 | 104 | 136 | 175 | 230 | 299 | 405 | 539 | 717 |
| | | Output Torque Nm | 16400 | 26000 | 33000 | 31500 | 41600 | 52400 | 67900 | 89200 | 124000 | 163000 | 218000 |
| | | Thermal Input Power KW | 49.6 | 59.5 | 79.4 | 76.5 | 87.0 | 147 | 194 | 304 | 460 | 518 | 552 |
| 63.8 | 27. | Output Torque Nm | 14800 | 17800 | 23500 | 23200 | 26600 | 44000 | 57400 | 90700 | 140000 | 157000 | 168000 |
| | | Thermal Input Power KW | 86.9 | 133 | 175 | 172 | 210 | 320 | 416 | 598 | 759 | 1040 | 1200 |
| | | Fan & Coil Output Torque Nm | 26000 | 39700 | 51700 | 52100 | 64200 | 95600 | 123000 | 179000 | 232000 | 316000 | 364000 |
| | | Thermal Input Power KW | 54.5 | 86.3 | 111 | 104 | 136 | 175 | 229 | 298 | 404 | 537 | 714 |
| 70.6 | 24. | Output Torque Nm | 18100 | 28600 | 35900 | 34400 | 44400 | 58300 | 76000 | 98700 | 140000 | 182000 | 237000 |
| | | Thermal Input Power KW | 48.9 | 58.6 | 78.3 | 75.2 | 85.4 | 145 | 189 | 295 | 440 | 497 | 527 |
| | | Output Torque Nm | 16200 | 19400 | 25300 | 25000 | 27900 | 48500 | 62800 | 97900 | 152000 | 168000 | 175000 |
| | | Thermal Input Power KW | 85.9 | 131 | 173 | 170 | 207 | 317 | 407 | 586 | 737 | 1010 | 1160 |
| 78.2 | 22. | Fan & Coil Output Torque Nm | 28500 | 43400 | 55800 | 56200 | 67700 | 106000 | 135000 | 194000 | 255000 | 342000 | 384000 |
| | | Thermal Input Power KW | 54.5 | 86.3 | 111 | 104 | 136 | 175 | 229 | 298 | 404 | 537 | 714 |
| | | Output Torque Nm | 19500 | 23000 | 30000 | 29400 | 32800 | 57600 | 72400 | 112000 | 170000 | 189000 | 195000 |
| | | Thermal Input Power KW | 47.5 | 56.9 | 76.0 | 72.6 | 82.2 | 141 | 179 | 278 | 403 | 458 | 482 |
| 86.5 | 20. | Output Torque Nm | 21000 | 25200 | 33200 | 32000 | 35700 | 64500 | 78000 | 123000 | 177000 | 201000 | 205000 |
| | | Thermal Input Power KW | 46.8 | 56.0 | 74.9 | 71.2 | 80.6 | 139 | 174 | 269 | 385 | 439 | 462 |
| | | Fan & Coil Output Torque Nm | 23200 | 27500 | 37100 | 34800 | 39400 | 69100 | 84000 | 130000 | 183000 | 210000 | 221000 |
| | | Thermal Input Power KW | 46.1 | 55.1 | 73.7 | 69.8 | 79.0 | 137 | 168 | 261 | 367 | 420 | 444 |
| 95.7 | 18. | Fan & Coil Output Torque Nm | 23200 | 27500 | 37100 | 34800 | 39400 | 69100 | 84000 | 130000 | 183000 | 210000 | 221000 |
| | | Thermal Input Power KW | 46.1 | 55.1 | 73.7 | 69.8 | 79.0 | 137 | 168 | 261 | 367 | 420 | 444 |
| | | Output Torque Nm | 23200 | 27500 | 37100 | 34800 | 39400 | 69100 | 84000 | 130000 | 183000 | 210000 | 221000 |
| | | Thermal Input Power KW | 46.1 | 55.1 | 73.7 | 69.8 | 79.0 | 137 | 168 | 261 | 367 | 420 | 444 |

Note: Cooling coils cannot be fitted to vertical units

B3 RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 103. | Mechanical | Input Power kW | 31.9 | 40.8 | 58.3 | 95.9 | 136 | 181 | 247 | 321 | 511 | 677 | 932 |
| | | | Output Torque Nm | 2840 | 3630 | 5400 | 8600 | 12300 | 16400 | 21900 | 28900 | 46000 | 61200 | 85900 |
| | | Thermal | Input Power kW | 31.7 | 41.2 | 50.7 | 42.3 | 56.1 | 63.5 | 84.7 | 106 | 148 | 191 | 286 |
| | | No Fan | Output Torque Nm | 2820 | 3670 | 4700 | 3790 | 5060 | 5750 | 7500 | 9490 | 13300 | 17200 | 26300 |
| 15.4 | 93. | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 98 |
| | | Mechanical | Input Power kW | 31.9 | 40.8 | 58.3 | 95.9 | 136 | 181 | 247 | 321 | 511 | 677 | 932 |
| | | | Output Torque Nm | 3140 | 4100 | 5860 | 9660 | 13700 | 17700 | 24600 | 31800 | 51800 | 68700 | 95200 |
| | | Thermal | Input Power kW | 31.4 | 40.8 | 50.2 | 41.9 | 55.5 | 62.8 | 83.8 | 105 | 147 | 189 | 283 |
| 17.1 | 84. | No Fan | Output Torque Nm | 3090 | 4100 | 5040 | 4210 | 5560 | 6120 | 8320 | 10300 | 14800 | 19100 | 28800 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 97 | 96 | 96 | 97 | 97 | 97 | 97 |
| | | Mechanical | Input Power kW | 31.9 | 40.8 | 58.3 | 95.9 | 136 | 181 | 247 | 321 | 511 | 677 | 932 |
| | | | Output Torque Nm | 3520 | 4550 | 6440 | 10400 | 15100 | 20400 | 26900 | 35800 | 56900 | 74000 | 105000 |
| 18.9 | 76. | Thermal | Input Power kW | 31.0 | 40.3 | 49.6 | 41.3 | 54.8 | 62.0 | 82.7 | 103 | 145 | 186 | 279 |
| | | No Fan | Output Torque Nm | 3420 | 4490 | 5470 | 4490 | 6060 | 6970 | 8980 | 11500 | 16100 | 20300 | 31300 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 98 |
| | | Mechanical | Input Power kW | 31.3 | 40.8 | 58.3 | 85.9 | 135 | 181 | 247 | 321 | 506 | 674 | 932 |
| 20.9 | 69. | | Output Torque Nm | 3800 | 5010 | 7130 | 10500 | 16600 | 21900 | 30100 | 39400 | 63500 | 82700 | 116000 |
| | | Thermal | Input Power kW | 30.6 | 39.8 | 49.0 | 40.8 | 54.1 | 61.3 | 81.7 | 102 | 143 | 184 | 276 |
| | | No Fan | Output Torque Nm | 3710 | 4880 | 5980 | 4980 | 6640 | 7410 | 9950 | 12500 | 17900 | 22500 | 34200 |
| | | | Efficiency % | 97 | 96 | 96 | 97 | 96 | 96 | 96 | 97 | 97 | 97 | 97 |
| 23.2 | 62. | Mechanical | Input Power kW | 29.0 | 40.8 | 54.9 | 79.4 | 123 | 169 | 217 | 291 | 435 | 597 | 802 |
| | | | Output Torque Nm | 3860 | 5550 | 7570 | 10700 | 16600 | 23300 | 29300 | 39700 | 57500 | 80800 | 109000 |
| | | Thermal | Input Power kW | 30.2 | 39.3 | 48.4 | 40.3 | 53.4 | 60.5 | 80.7 | 101 | 141 | 182 | 272 |
| | | No Fan | Output Torque Nm | 4030 | 5350 | 6670 | 5430 | 7230 | 8340 | 10900 | 13800 | 18600 | 24500 | 37100 |
| 25.6 | 56. | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 25.2 | 40.8 | 51.1 | 69.4 | 110 | 157 | 217 | 311 | 426 | 554 | 802 |
| | | | Output Torque Nm | 3800 | 6130 | 7580 | 10500 | 16600 | 23300 | 32800 | 46900 | 63500 | 84300 | 121000 |
| | | Thermal | Input Power kW | 29.9 | 38.8 | 47.8 | 39.8 | 52.8 | 59.8 | 79.7 | 99.7 | 140 | 179 | 269 |
| 28.4 | 51. | No Fan | Output Torque Nm | 4500 | 5840 | 7090 | 6020 | 7930 | 8860 | 12100 | 15000 | 20800 | 27200 | 40700 |
| | | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 |
| | | Mechanical | Input Power kW | 21.6 | 24.6 | 42.0 | 56.9 | 90.7 | 132 | 179 | 265 | 317 | 456 | 674 |
| | | | Output Torque Nm | 3860 | 4450 | 7580 | 10500 | 16600 | 23300 | 32500 | 47400 | 59200 | 84300 | 125000 |
| 31.4 | 46. | Thermal | Input Power kW | 29.2 | 37.9 | 46.7 | 38.9 | 51.6 | 58.4 | 77.9 | 97.4 | 136 | 175 | 263 |
| | | No Fan | Output Torque Nm | 5230 | 6880 | 8420 | 7170 | 9430 | 10300 | 14100 | 17400 | 25400 | 32300 | 48800 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 18.7 | 23.6 | 42.5 | 51.6 | 82.2 | 119 | 164 | 240 | 287 | 414 | 612 |
| 34.7 | 41. | | Output Torque Nm | 3750 | 4730 | 8380 | 10500 | 16600 | 23300 | 32700 | 47400 | 59200 | 84300 | 125000 |
| | | Thermal | Input Power kW | 28.9 | 37.5 | 46.2 | 38.5 | 51.0 | 57.8 | 77.0 | 96.3 | 135 | 173 | 260 |
| | | No Fan | Output Torque Nm | 5800 | 7520 | 9090 | 7830 | 10300 | 11300 | 15400 | 19000 | 27800 | 35300 | 53200 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 38.4 | 37. | Mechanical | Input Power kW | 17.5 | 23.6 | 34.1 | 49.3 | 59.5 | 98.1 | 147 | 189 | 287 | 389 | 562 |
| | | | Output Torque Nm | 3800 | 5150 | 7580 | 11000 | 13400 | 21500 | 31900 | 41400 | 64500 | 86700 | 125000 |
| | | Thermal | Input Power kW | 28.6 | 37.2 | 45.7 | 38.1 | 50.5 | 57.2 | 76.3 | 95.4 | 134 | 172 | 257 |
| | | No Fan | Output Torque Nm | 6210 | 8120 | 10200 | 8480 | 11300 | 12500 | 16500 | 20900 | 30000 | 38200 | 57400 |
| 42.5 | 34. | | Efficiency % | 96 | 96 | 96 | 96 | 97 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 14.6 | 18.4 | 31.9 | 40.8 | 49.3 | 81.2 | 122 | 156 | 238 | 322 | 465 |
| | | | Output Torque Nm | 3870 | 4950 | 8380 | 11000 | 13400 | 21500 | 31900 | 41400 | 64600 | 86700 | 125000 |
| | | Thermal | Input Power kW | 28.1 | 36.6 | 45.0 | 37.5 | 49.7 | 56.3 | 75.1 | 93.8 | 131 | 169 | 253 |
| 47.1 | 30. | No Fan | Output Torque Nm | 7470 | 9860 | 11800 | 10100 | 13500 | 14900 | 19700 | 24800 | 35600 | 45400 | 68300 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 11.4 | 18.4 | 29.4 | 36.9 | 44.6 | 73.4 | 110 | 142 | 216 | 292 | 421 |
| | | | Output Torque Nm | 3350 | 5410 | 8440 | 11000 | 13400 | 21500 | 31900 | 41400 | 64700 | 86800 | 125000 |
| 52.1 | 27. | Thermal | Input Power kW | 28.0 | 36.4 | 44.8 | 37.3 | 49.4 | 56.0 | 74.6 | 93.3 | 131 | 168 | 252 |
| | | No Fan | Output Torque Nm | 9050 | 12000 | 14600 | 12300 | 16400 | 18200 | 24000 | 30300 | 43400 | 55300 | 83100 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 |
| | | Mechanical | Input Power kW | 11.4 | 14.9 | 22.6 | 33.2 | 40.0 | 65.9 | 98.9 | 127 | 194 | 262 | 372 |
| 57.7 | 25. | | Output Torque Nm | 3690 | 4930 | 7370 | 11000 | 13400 | 21500 | 31900 | 41400 | 64700 | 86800 | 124000 |
| | | Thermal | Input Power kW | 27.7 | 36.1 | 44.4 | 37.0 | 49.0 | 55.5 | 74.0 | 92.5 | 130 | 167 | 250 |
| | | No Fan | Output Torque Nm | 10000 | 13000 | 15900 | 13500 | 18100 | 20000 | 26400 | 33300 | 47700 | 60900 | 91400 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 63.8 | 22. | Mechanical | Input Power kW | 8.5 | 13.3 | 21.7 | 22.8 | 43.0 | 49.2 | 73.1 | 94.7 | 147 | 197 | 291 |
| | | | Output Torque Nm | 3410 | 5330 | 8440 | 9120 | 17000 | 19800 | 29300 | 37800 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 27.6 | 35.9 | 44.2 | 36.9 | 48.9 | 55.3 | 73.8 | 92.2 | 129 | 166 | 249 |
| | | No Fan | Output Torque Nm | 11100 | 14400 | 17300 | 14800 | 19300 | 22300 | 29500 | 36800 | 53800 | 67700 | 99600 |
| 70.6 | 20. | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| | | Mechanical | Input Power kW | 8.5 | 10.8 | 17.2 | 23.6 | 29.7 | 49.0 | 63.6 | 93.2 | 124 | 172 | 234 |
| | | | Output Torque Nm | 3750 | 4840 | 7510 | 10500 | 13400 | 21500 | 27600 | 40900 | 55600 | 76500 | 104000 |
| | | Thermal | Input Power kW | 27.6 | 35.8 | 44.1 | 36.8 | 48.7 | 55.2 | 73.5 | 91.9 | 129 | 165 | 248 |
| | | No Fan | Output Torque Nm | 12200 | 16000 | 19200 | 16400 | 21900 | 24300 | 32000 | 40400 | 57900 | 73800 | 111000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 95 |

B3 RATINGS AT 1450REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 78.2 | 18. | Mechanical | Input Power kW | 7.8 | 10.8 | 17.2 | 18.7 | 34.9 | 40.4 | 60.0 | 77.7 | 120 | 162 | 234 |
| | | | Output Torque Nm | 3870 | 5290 | 8210 | 9130 | 16800 | 19800 | 29300 | 37900 | 61100 | 80600 | 114000 |
| | | Thermal | Input Power kW | 27.5 | 35.8 | 44.1 | 36.7 | 48.7 | 55.1 | 73.4 | 91.8 | 129 | 165 | 248 |
| | | No Fan | Output Torque Nm | 13600 | 17500 | 21000 | 17900 | 23400 | 27000 | 35900 | 44800 | 65400 | 82300 | 121000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 86.5 | 16. | Mechanical | Input Power kW | 5.5 | 10.4 | 15.8 | 16.8 | 31.8 | 35.5 | 54.0 | 69.0 | 110 | 146 | 218 |
| | | | Output Torque Nm | 3010 | 5630 | 8450 | 9130 | 17000 | 19800 | 29300 | 37900 | 61100 | 80600 | 117000 |
| | | Thermal | Input Power kW | 27.5 | 35.7 | 44.0 | 36.7 | 48.6 | 55.0 | 73.3 | 91.7 | 128 | 165 | 247 |
| | | No Fan | Output Torque Nm | 14900 | 19400 | 23500 | 19900 | 26000 | 30700 | 39700 | 50300 | 71100 | 91200 | 132000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 95.7 | 15. | Mechanical | Input Power kW | 4.9 | 7.5 | 9.6 | 16.8 | 21.2 | 32.8 | 41.9 | 64.0 | 80.7 | 135 | 170 |
| | | | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 19900 | 25200 | 38500 | 48500 | 81100 | 102000 |
| | | Thermal | Input Power kW | 27.4 | 35.7 | 43.9 | 36.6 | 48.5 | 54.9 | 73.2 | 91.5 | 128 | 165 | 247 |
| | | No Fan | Output Torque Nm | 16700 | 21500 | 26700 | 22000 | 29200 | 33400 | 44000 | 55000 | 77100 | 99100 | 149000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |

B3 THERMAL RATINGS AT 1450REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 103. | Thermal | Input Power kW | 56.0 | 88.7 | 114 | 107 | 139 | 180 | 236 | 306 | 415 | 553 | 735 |
| | | | Output Torque Nm | 4980 | 7900 | 10600 | 9570 | 12600 | 16300 | 20900 | 27500 | 37300 | 50000 | 67600 |
| | | Thermal | Input Power kW | 58.8 | 71.9 | 94.6 | 93.0 | 109 | 169 | 258 | 403 | 736 | 807 | 1080 |
| | | | Output Torque Nm | 5230 | 6400 | 8770 | 8340 | 9820 | 15300 | 22800 | 36200 | 66100 | 73000 | 99000 |
| | | Thermal | Input Power kW | 96.0 | 149 | 194 | 194 | 242 | 346 | 502 | 726 | 1040 | 1430 | 1990 |
| 15.4 | 93. | Fan & Coil | Output Torque Nm | 8550 | 13300 | 17900 | 17400 | 21900 | 31400 | 44600 | 65300 | 93800 | 130000 | 183000 |
| | | Thermal | Input Power kW | 55.4 | 87.7 | 113 | 106 | 138 | 178 | 233 | 303 | 411 | 547 | 726 |
| | | | Output Torque Nm | 5460 | 8830 | 11300 | 10600 | 13800 | 17300 | 23200 | 30000 | 41600 | 55400 | 74200 |
| | | Thermal | Input Power kW | 58.2 | 71.1 | 93.7 | 92.0 | 107 | 168 | 254 | 397 | 719 | 790 | 1030 |
| | | | Output Torque Nm | 5740 | 7150 | 9420 | 9270 | 10800 | 16400 | 25300 | 39300 | 72800 | 80100 | 105000 |
| 17.1 | 84. | Fan & Coil | Input Power kW | 95.0 | 147 | 192 | 192 | 239 | 343 | 496 | 717 | 1020 | 1410 | 1910 |
| | | | Output Torque Nm | 9370 | 14800 | 19300 | 19300 | 24000 | 33500 | 49300 | 71000 | 104000 | 143000 | 196000 |
| | | Thermal | Input Power kW | 54.7 | 86.7 | 111 | 104 | 136 | 175 | 230 | 299 | 406 | 540 | 718 |
| | | | Output Torque Nm | 6040 | 9680 | 12300 | 11300 | 15100 | 19800 | 25000 | 33300 | 45100 | 59000 | 80400 |
| | | Thermal | Input Power kW | 57.6 | 70.3 | 92.7 | 91.0 | 106 | 166 | 250 | 392 | 701 | 771 | 987 |
| 18.9 | 76. | Thermal | Output Torque Nm | 6360 | 7850 | 10200 | 9890 | 11700 | 18700 | 27200 | 43600 | 78000 | 84300 | 111000 |
| | | | Input Power kW | 94.0 | 146 | 189 | 189 | 236 | 340 | 489 | 707 | 1000 | 1380 | 1840 |
| | | Fan & Coil | Output Torque Nm | 10400 | 16200 | 20900 | 20600 | 26200 | 38300 | 53100 | 78800 | 111000 | 151000 | 207000 |
| | | Thermal | Input Power kW | 54.0 | 85.6 | 110 | 103 | 135 | 173 | 227 | 296 | 401 | 533 | 709 |
| | | | Output Torque Nm | 6550 | 10500 | 13500 | 12600 | 16500 | 21000 | 27700 | 36300 | 50200 | 65400 | 88100 |
| 20.9 | 69. | Thermal | Input Power kW | 56.9 | 69.4 | 91.6 | 89.9 | 105 | 165 | 246 | 386 | 683 | 752 | 943 |
| | | | Output Torque Nm | 6900 | 8530 | 11200 | 11000 | 12800 | 20000 | 30000 | 47300 | 85600 | 92200 | 117000 |
| | | Thermal | Input Power kW | 93.0 | 144 | 187 | 187 | 233 | 337 | 481 | 697 | 978 | 1350 | 1770 |
| | | | Output Torque Nm | 11300 | 17700 | 22900 | 22800 | 28700 | 40800 | 58700 | 85500 | 123000 | 165000 | 220000 |
| | | Thermal | Input Power kW | 53.4 | 84.6 | 109 | 102 | 133 | 171 | 225 | 292 | 396 | 527 | 700 |
| 23.2 | 62. | Thermal | Output Torque Nm | 7120 | 11500 | 15000 | 13700 | 18000 | 23600 | 30300 | 39900 | 52300 | 71300 | 95500 |
| | | | Input Power kW | 56.3 | 68.5 | 90.5 | 88.8 | 103 | 164 | 242 | 380 | 664 | 732 | 900 |
| | | Thermal | Output Torque Nm | 7500 | 9330 | 12500 | 12000 | 13900 | 22600 | 32700 | 51900 | 87800 | 99100 | 123000 |
| | | | Input Power kW | 91.9 | 142 | 185 | 185 | 230 | 334 | 474 | 686 | 955 | 1310 | 1700 |
| | | Fan & Coil | Output Torque Nm | 12300 | 19300 | 25500 | 24900 | 31100 | 46100 | 64000 | 93800 | 126000 | 178000 | 232000 |
| 23.2 | 62. | Thermal | Input Power kW | 52.7 | 83.6 | 107 | 101 | 131 | 169 | 222 | 289 | 391 | 521 | 692 |
| | | | Output Torque Nm | 7950 | 12600 | 15900 | 15200 | 19800 | 25100 | 33600 | 43400 | 58300 | 79100 | 105000 |
| | | Thermal | Input Power kW | 55.6 | 67.6 | 89.4 | 87.7 | 101 | 162 | 238 | 373 | 644 | 711 | 858 |
| | | | Output Torque Nm | 8380 | 10200 | 13300 | 13300 | 15300 | 24000 | 36000 | 56200 | 96000 | 108000 | 130000 |
| | | Thermal | Input Power kW | 90.8 | 140 | 183 | 183 | 226 | 331 | 466 | 676 | 931 | 1280 | 1630 |
| 23.2 | 62. | Fan & Coil | Output Torque Nm | 13700 | 21100 | 27100 | 27600 | 34000 | 49100 | 70600 | 102000 | 139000 | 195000 | 246000 |

Note: Cooling coils cannot be fitted to vertical units

B3 THERMAL RATINGS AT 1450 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 56. | Thermal with fan | Input Power kW | 52.1 | 82.6 | 106 | 99.4 | 130 | 167 | 219 | 285 | 387 | 515 | 684 |
| | | | Output Torque Nm | 8500 | 13500 | 17700 | 16600 | 21500 | 27400 | 36700 | 47400 | 63500 | 86200 | 114000 |
| | | Thermal with coil | Input Power kW | 54.9 | 66.7 | 88.3 | 86.5 | 99.9 | 161 | 234 | 366 | 624 | 690 | 818 |
| | | | Output Torque Nm | 8950 | 10900 | 14700 | 14400 | 16600 | 26300 | 39000 | 60800 | 103000 | 116000 | 136000 |
| 28.4 | 51. | Thermal with fan | Input Power kW | 89.7 | 138 | 181 | 180 | 223 | 327 | 458 | 664 | 907 | 1250 | 1560 |
| | | | Output Torque Nm | 14600 | 22600 | 30100 | 30100 | 37000 | 53600 | 76600 | 110000 | 149000 | 209000 | 260000 |
| | | Thermal with coil | Input Power kW | 51.5 | 81.7 | 105 | 98.2 | 128 | 165 | 217 | 282 | 382 | 509 | 676 |
| | | | Output Torque Nm | 9240 | 14800 | 18900 | 18100 | 23500 | 29300 | 39300 | 50500 | 71400 | 94000 | 126000 |
| 31.4 | 46. | Thermal with fan | Input Power kW | 54.2 | 65.8 | 87.2 | 85.3 | 98.2 | 159 | 229 | 359 | 604 | 669 | 778 |
| | | | Output Torque Nm | 9720 | 11900 | 15700 | 15700 | 18000 | 28100 | 41500 | 64300 | 113000 | 124000 | 145000 |
| | | Thermal with coil | Input Power kW | 88.6 | 136 | 178 | 178 | 219 | 324 | 450 | 653 | 882 | 1220 | 1490 |
| | | Fan & Coil | Output Torque Nm | 15900 | 24700 | 32200 | 32800 | 40200 | 57400 | 81600 | 117000 | 165000 | 225000 | 278000 |
| 34.7 | 41. | Thermal with fan | Input Power kW | 51.0 | 80.8 | 104 | 97.2 | 127 | 164 | 215 | 279 | 378 | 503 | 669 |
| | | | Output Torque Nm | 10200 | 16200 | 20500 | 19800 | 25600 | 31900 | 42900 | 55100 | 77900 | 103000 | 137000 |
| | | Thermal with coil | Input Power kW | 53.5 | 64.8 | 86.0 | 84.0 | 96.6 | 157 | 224 | 352 | 583 | 647 | 741 |
| | | | Output Torque Nm | 10800 | 13000 | 16900 | 17100 | 19500 | 30700 | 44900 | 69500 | 120000 | 132000 | 152000 |
| 38.4 | 37. | Thermal with fan | Input Power kW | 87.5 | 134 | 176 | 175 | 216 | 321 | 442 | 641 | 857 | 1180 | 1430 |
| | | | Output Torque Nm | 17600 | 26900 | 34700 | 35600 | 43600 | 62600 | 88400 | 127000 | 177000 | 241000 | 294000 |
| | | Thermal with coil | Input Power kW | 50.5 | 80.0 | 103 | 96.2 | 126 | 162 | 212 | 276 | 374 | 498 | 662 |
| | | | Output Torque Nm | 11000 | 17500 | 22900 | 21400 | 28200 | 35500 | 46100 | 60600 | 84100 | 111000 | 148000 |
| 42.5 | 34. | Thermal with fan | Input Power kW | 52.9 | 63.9 | 84.9 | 82.8 | 95.0 | 156 | 219 | 344 | 562 | 625 | 704 |
| | | | Output Torque Nm | 11500 | 14000 | 18900 | 18400 | 21300 | 34100 | 47600 | 75500 | 126000 | 139000 | 157000 |
| | | Thermal with coil | Input Power kW | 86.4 | 132 | 174 | 173 | 213 | 317 | 433 | 629 | 833 | 1150 | 1370 |
| | | Fan & Coil | Output Torque Nm | 18800 | 28900 | 38600 | 38500 | 47700 | 69700 | 93900 | 138000 | 187000 | 256000 | 306000 |
| 47.1 | 30. | Thermal with fan | Input Power kW | 50.1 | 79.4 | 102 | 95.4 | 125 | 161 | 211 | 274 | 371 | 494 | 657 |
| | | | Output Torque Nm | 12000 | 19300 | 24500 | 23400 | 30800 | 38800 | 50300 | 66100 | 91700 | 121000 | 161000 |
| | | Thermal with coil | Input Power kW | 52.2 | 63.0 | 83.8 | 81.6 | 93.4 | 154 | 215 | 337 | 541 | 604 | 670 |
| | | | Output Torque Nm | 12500 | 15300 | 20100 | 20000 | 23100 | 37200 | 51200 | 81200 | 134000 | 148000 | 165000 |
| 52.1 | 27. | Thermal with fan | Input Power kW | 85.3 | 131 | 172 | 170 | 209 | 314 | 425 | 616 | 809 | 1110 | 1320 |
| | | | Output Torque Nm | 20400 | 31800 | 41300 | 41700 | 51700 | 75900 | 101000 | 149000 | 200000 | 273000 | 323000 |
| | | Thermal with coil | Input Power kW | 49.7 | 78.8 | 101 | 94.7 | 124 | 159 | 209 | 272 | 369 | 490 | 652 |
| | | | Output Torque Nm | 13200 | 21200 | 26600 | 25500 | 33600 | 42300 | 54800 | 72000 | 99900 | 132000 | 176000 |
| 57.7 | 25. | Thermal with fan | Input Power kW | 51.5 | 62.1 | 82.7 | 80.3 | 91.7 | 152 | 210 | 329 | 521 | 582 | 638 |
| | | | Output Torque Nm | 13700 | 16700 | 21700 | 21600 | 24900 | 40400 | 54900 | 87000 | 141000 | 157000 | 172000 |
| | | Thermal with coil | Input Power kW | 84.3 | 129 | 169 | 168 | 206 | 311 | 417 | 604 | 785 | 1080 | 1260 |
| | | Fan & Coil | Output Torque Nm | 22400 | 34700 | 44500 | 45200 | 55800 | 82500 | 109000 | 160000 | 213000 | 291000 | 341000 |
| 63.8 | 22. | Thermal with fan | Input Power kW | 49.4 | 78.3 | 101 | 94.2 | 123 | 159 | 208 | 270 | 366 | 488 | 648 |
| | | | Output Torque Nm | 14600 | 23100 | 28900 | 28000 | 36900 | 46500 | 60200 | 79200 | 110000 | 145000 | 193000 |
| | | Thermal with coil | Input Power kW | 50.9 | 61.2 | 81.6 | 79.1 | 90.1 | 151 | 205 | 321 | 500 | 560 | 607 |
| | | | Output Torque Nm | 15000 | 18000 | 23400 | 23500 | 27000 | 42400 | 59300 | 93900 | 150000 | 167000 | 181000 |
| 70.6 | 20. | Thermal with fan | Input Power kW | 83.2 | 127 | 167 | 166 | 202 | 308 | 408 | 592 | 762 | 1050 | 1210 |
| | | | Output Torque Nm | 24600 | 37400 | 48000 | 49300 | 60700 | 90300 | 118000 | 173000 | 228000 | 312000 | 362000 |
| | | Thermal with coil | Input Power kW | 49.2 | 77.9 | 100 | 93.7 | 122 | 158 | 207 | 269 | 365 | 485 | 645 |
| | | | Output Torque Nm | 16000 | 25800 | 32800 | 31000 | 40900 | 51500 | 66800 | 87800 | 122000 | 161000 | 214000 |
| 78.2 | 18. | Thermal with fan | Input Power kW | 50.2 | 60.3 | 80.5 | 77.8 | 88.5 | 149 | 199 | 312 | 480 | 539 | 579 |
| | | | Output Torque Nm | 16300 | 20000 | 26300 | 25800 | 29600 | 48600 | 64400 | 102000 | 160000 | 178000 | 192000 |
| | | Thermal with coil | Input Power kW | 82.2 | 125 | 165 | 163 | 199 | 305 | 400 | 580 | 739 | 1020 | 1170 |
| | | | Output Torque Nm | 26700 | 41500 | 54100 | 54100 | 66600 | 99600 | 129000 | 189000 | 247000 | 337000 | 387000 |
| 86.5 | 16. | Thermal with fan | Input Power kW | 49.0 | 77.7 | 99.9 | 93.4 | 122 | 157 | 206 | 268 | 363 | 484 | 643 |
| | | | Output Torque Nm | 17700 | 28100 | 35700 | 34100 | 45000 | 56700 | 73500 | 96600 | 134000 | 177000 | 235000 |
| | | Thermal with coil | Input Power kW | 49.6 | 59.5 | 79.4 | 76.5 | 87.0 | 147 | 194 | 304 | 460 | 518 | 552 |
| | | | Output Torque Nm | 17900 | 21500 | 28400 | 28000 | 32100 | 53100 | 69300 | 109000 | 170000 | 189000 | 202000 |
| 95.7 | 15. | Thermal with fan | Input Power kW | 81.3 | 124 | 163 | 161 | 196 | 302 | 392 | 567 | 717 | 986 | 1120 |
| | | | Output Torque Nm | 29400 | 44700 | 58300 | 58900 | 72400 | 109000 | 140000 | 204000 | 264000 | 361000 | 411000 |
| | | Thermal with coil | Input Power kW | 48.8 | 77.4 | 99.5 | 93.1 | 122 | 157 | 206 | 267 | 362 | 482 | 641 |
| | | | Output Torque Nm | 19600 | 31000 | 38800 | 37300 | 48100 | 63100 | 82300 | 107000 | 151000 | 197000 | 256000 |
| 63.8 | 22. | Thermal with fan | Input Power kW | 48.9 | 58.6 | 78.3 | 75.2 | 85.4 | 145 | 189 | 295 | 440 | 497 | 527 |
| | | | Output Torque Nm | 19600 | 23500 | 30500 | 30100 | 33700 | 58500 | 75800 | 118000 | 184000 | 203000 | 211000 |
| | | Thermal with coil | Input Power kW | 80.2 | 122 | 161 | 159 | 193 | 299 | 384 | 555 | 695 | 956 | 1080 |
| | | | Output Torque Nm | 32200 | 48800 | 62900 | 63600 | 76200 | 120000 | 154000 | 222000 | 290000 | 390000 | 433000 |
| 70.6 | 20. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 48.2 | 57.7 | 77.1 | 73.9 | 83.8 | 143 | 184 | 287 | 421 | 477 | 504 |
| | | | Output Torque Nm | 21200 | 25800 | 33600 | 33000 | 37700 | 63100 | 80000 | 126000 | 189000 | 213000 | 225000 |
| 78.2 | 18. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 47.5 | 56.9 | 76.0 | 72.6 | 82.2 | 141 | 179 | 278 | 403 | 458 | 482 |
| | | | Output Torque Nm | 23500 | 27800 | 36200 | 35400 | 39600 | 69500 | 87400 | 136000 | 205000 | 228000 | 235000 |
| 86.5 | 16. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 46.8 | 56.0 | 74.9 | 71.2 | 80.6 | 139 | 174 | 269 | 385 | 439 | 462 |
| | | | Output Torque Nm | 25400 | 30400 | 40000 | 38600 | 43100 | 77800 | 94100 | 148000 | 213000 | 242000 | 247000 |
| 95.7 | 15. | Thermal with fan | Input Power kW | | | | | | | | | | | |
| | | | Output Torque Nm | | | | | | | | | | | |
| | | Thermal with coil | Input Power kW | 46.1 | 55.1 | 73.7 | 69.8 | 79.0 | 137 | 168 | 261 | 367 | 420 | 444 |
| | | | Output Torque Nm | 28100 | 33200 | 44800 | 42000 | 47600 | 83400 | 101000 | 157000 | 221000 | 253000 | 267000 |

Note: Cooling coils cannot be fitted to vertical units

B3 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | Capacity | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 68. | Mechanical | Input Power kW | 21.1 | 27.0 | 38.6 | 63.5 | 90.3 | 120 | 164 | 213 | 339 | 448 | 617 |
| | | | Output Torque Nm | 2840 | 3630 | 5400 | 8610 | 12300 | 16400 | 21900 | 28800 | 45800 | 60900 | 85500 |
| | | Thermal | Input Power kW | 31.7 | 41.2 | 50.7 | 42.3 | 56.0 | 63.4 | 84.6 | 106 | 148 | 190 | 285 |
| | | No Fan | Output Torque Nm | 4260 | 5540 | 7100 | 5730 | 7640 | 8690 | 11300 | 14300 | 20000 | 25900 | 39500 |
| 15.4 | 62. | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 |
| | | | Input Power kW | 21.1 | 27.0 | 38.6 | 63.5 | 90.3 | 120 | 164 | 213 | 339 | 448 | 617 |
| | | Thermal | Output Torque Nm | 3140 | 4100 | 5860 | 9660 | 13700 | 17700 | 24600 | 31700 | 51600 | 68400 | 94800 |
| | | No Fan | Input Power kW | 31.3 | 40.7 | 50.1 | 41.8 | 55.4 | 62.7 | 83.6 | 105 | 146 | 188 | 282 |
| 17.1 | 56. | Mechanical | Output Torque Nm | 4670 | 6190 | 7620 | 6360 | 8390 | 9240 | 12600 | 15600 | 22300 | 28700 | 43300 |
| | | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 |
| | | Mechanical | Input Power kW | 21.1 | 27.0 | 38.6 | 63.5 | 90.3 | 120 | 164 | 213 | 339 | 448 | 617 |
| | | Thermal | Output Torque Nm | 3520 | 4550 | 6440 | 10400 | 15100 | 20400 | 26800 | 35700 | 56800 | 73700 | 104000 |
| 17.1 | 56. | No Fan | Input Power kW | 31.0 | 40.2 | 49.5 | 41.3 | 54.7 | 62.0 | 82.6 | 103 | 145 | 186 | 279 |
| | | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 |
| 18.9 | 50. | Mechanical | Output Torque Nm | 5160 | 6790 | 8260 | 6780 | 9150 | 10500 | 13600 | 17300 | 24200 | 30600 | 47000 |
| | | | Input Power kW | 21.1 | 27.0 | 38.6 | 63.5 | 90.3 | 120 | 164 | 213 | 339 | 448 | 617 |
| | | Thermal | Output Torque Nm | 5600 | 7380 | 9040 | 7520 | 10000 | 11200 | 15000 | 18900 | 27000 | 33900 | 51500 |
| | | No Fan | Input Power kW | 30.6 | 39.8 | 48.9 | 40.8 | 54.1 | 61.2 | 81.6 | 102 | 143 | 184 | 275 |
| 18.9 | 50. | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 20.9 | 45. | Mechanical | Input Power kW | 20.8 | 27.0 | 38.6 | 56.9 | 89.4 | 120 | 164 | 213 | 336 | 448 | 617 |
| | | Thermal | Output Torque Nm | 3800 | 5010 | 7130 | 10500 | 16600 | 21900 | 30100 | 39400 | 63600 | 82800 | 115000 |
| | | No Fan | Input Power kW | 30.2 | 39.3 | 48.3 | 40.3 | 53.4 | 60.5 | 80.6 | 101 | 141 | 181 | 272 |
| | | Output Torque Nm | 5600 | 7380 | 9040 | 7520 | 10000 | 11200 | 15000 | 18900 | 27000 | 33900 | 51500 | |
| 20.9 | 45. | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 23.2 | 41. | Mechanical | Input Power kW | 16.7 | 27.0 | 33.8 | 46.0 | 73.1 | 104 | 144 | 193 | 288 | 395 | 531 |
| | | Thermal | Output Torque Nm | 3800 | 6130 | 7580 | 10500 | 16600 | 23300 | 29300 | 39800 | 57400 | 80600 | 109000 |
| | | No Fan | Input Power kW | 29.9 | 38.8 | 47.8 | 39.8 | 52.8 | 59.7 | 79.7 | 99.6 | 139 | 179 | 269 |
| | | Output Torque Nm | 6800 | 8820 | 10700 | 9090 | 12000 | 13400 | 18200 | 22600 | 31300 | 41000 | 61200 | |
| 23.2 | 41. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 25.6 | 37. | Mechanical | Input Power kW | 15.5 | 25.2 | 30.1 | 41.7 | 66.3 | 94.2 | 116 | 174 | 243 | 321 | 456 |
| | | Thermal | Output Torque Nm | 3800 | 6230 | 7590 | 10500 | 16600 | 23300 | 29200 | 43700 | 60200 | 81100 | 115000 |
| | | No Fan | Input Power kW | 29.5 | 38.4 | 47.2 | 39.4 | 52.1 | 59.0 | 78.7 | 98.4 | 138 | 177 | 266 |
| | | Output Torque Nm | 7260 | 9490 | 11900 | 9920 | 13100 | 14600 | 19900 | 24700 | 34100 | 44700 | 66700 | |
| 25.6 | 37. | Efficiency % | 96 | 96 | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 |
| 28.4 | 33. | Mechanical | Input Power kW | 14.3 | 16.1 | 27.9 | 37.7 | 60.1 | 87.2 | 120 | 175 | 211 | 303 | 447 |
| | | Thermal | Output Torque Nm | 3870 | 4420 | 7590 | 10500 | 16600 | 23300 | 32800 | 47400 | 59400 | 84400 | 125000 |
| | | No Fan | Input Power kW | 29.2 | 37.9 | 46.7 | 38.9 | 51.5 | 58.4 | 77.8 | 97.3 | 136 | 175 | 263 |
| | | Output Torque Nm | 7900 | 10400 | 12700 | 10800 | 14200 | 15600 | 21300 | 26300 | 38400 | 48800 | 73600 | |
| 28.4 | 33. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 31.4 | 30. | Mechanical | Input Power kW | 12.4 | 15.6 | 28.2 | 34.2 | 54.5 | 79.0 | 109 | 159 | 191 | 275 | 405 |
| | | Thermal | Output Torque Nm | 3750 | 4730 | 8380 | 10500 | 16600 | 23300 | 32800 | 47400 | 59400 | 84400 | 125000 |
| | | No Fan | Input Power kW | 28.9 | 37.5 | 46.2 | 38.5 | 51.0 | 57.7 | 77.0 | 96.2 | 135 | 173 | 260 |
| | | Output Torque Nm | 8760 | 11400 | 13700 | 11800 | 15600 | 17000 | 23300 | 28700 | 41900 | 53200 | 80300 | |
| 31.4 | 30. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 34.7 | 27. | Mechanical | Input Power kW | 11.6 | 15.6 | 22.6 | 32.7 | 39.4 | 65.0 | 97.5 | 125 | 191 | 258 | 372 |
| | | Thermal | Output Torque Nm | 3810 | 5150 | 7590 | 11000 | 13400 | 21500 | 31900 | 41400 | 64700 | 86800 | 125000 |
| | | No Fan | Input Power kW | 28.6 | 37.2 | 45.7 | 38.1 | 50.5 | 57.2 | 76.2 | 95.3 | 133 | 172 | 257 |
| | | Output Torque Nm | 9380 | 12300 | 15400 | 12800 | 17100 | 18900 | 25000 | 31500 | 45200 | 57700 | 86700 | |
| 34.7 | 27. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 97 | 96 | 96 | 96 | 96 | 96 | 96 |
| 38.4 | 24. | Mechanical | Input Power kW | 10.7 | 15.1 | 20.9 | 29.7 | 35.8 | 59.0 | 88.5 | 114 | 174 | 235 | 338 |
| | | Thermal | Output Torque Nm | 3870 | 5540 | 7590 | 11000 | 13400 | 21500 | 31900 | 41400 | 64700 | 86800 | 125000 |
| | | No Fan | Input Power kW | 28.3 | 36.8 | 45.3 | 37.8 | 50.1 | 56.7 | 75.6 | 94.5 | 132 | 170 | 255 |
| | | Output Torque Nm | 10200 | 13600 | 16500 | 14000 | 18700 | 20700 | 27200 | 34400 | 49300 | 62900 | 94600 | |
| 42.5 | 22. | Efficiency % | 97 | 96 | 96 | 96 | 96 | 97 | 96 | 96 | 96 | 96 | 96 | 96 |
| 42.5 | 22. | Mechanical | Input Power kW | 9.6 | 11.9 | 21.1 | 27.0 | 32.6 | 53.8 | 80.7 | 104 | 158 | 214 | 308 |
| | | Thermal | Output Torque Nm | 3870 | 4860 | 8380 | 11000 | 13400 | 21500 | 31900 | 41400 | 64800 | 86800 | 125000 |
| | | No Fan | Input Power kW | 28.1 | 36.6 | 45.0 | 37.5 | 49.7 | 56.3 | 75.0 | 93.8 | 131 | 169 | 253 |
| | | Output Torque Nm | 11300 | 14900 | 17900 | 15200 | 20400 | 22500 | 29700 | 37500 | 53700 | 68500 | 103000 | |
| 42.5 | 22. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 47.1 | 20. | Mechanical | Input Power kW | 7.5 | 11.9 | 19.5 | 24.5 | 29.5 | 48.6 | 72.9 | 93.7 | 143 | 193 | 279 |
| | | Thermal | Output Torque Nm | 3350 | 5310 | 8440 | 11000 | 13400 | 21500 | 31900 | 41500 | 64800 | 86800 | 125000 |
| | | No Fan | Input Power kW | 28.0 | 36.4 | 44.8 | 37.3 | 49.4 | 55.9 | 74.6 | 93.3 | 131 | 168 | 252 |
| | | Output Torque Nm | 12500 | 16200 | 19400 | 16700 | 22400 | 24800 | 32600 | 41200 | 59100 | 75400 | 113000 | |
| 47.1 | 20. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 52.1 | 18. | Mechanical | Input Power kW | 7.5 | 9.8 | 14.9 | 22.0 | 26.5 | 43.7 | 65.5 | 84.2 | 129 | 174 | 246 |
| | | Thermal | Output Torque Nm | 3690 | 4930 | 7370 | 11000 | 13400 | 21500 | 31900 | 41500 | 64800 | 86800 | 123000 |
| | | No Fan | Input Power kW | 27.8 | 36.2 | 44.5 | 37.1 | 49.2 | 55.7 | 74.2 | 92.8 | 130 | 167 | 251 |
| | | Output Torque Nm | 13700 | 18100 | 22000 | 18600 | 24800 | 27500 | 36200 | 45700 | 65500 | 83500 | 125000 | |
| 52.1 | 18. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 57.7 | 16. | Mechanical | Input Power kW | 7.1 | 9.8 | 14.9 | 19.9 | 24.0 | 39.6 | 55.9 | 76.2 | 115 | 151 | 213 |
| | | Thermal | Output Torque Nm | 3870 | 5380 | 8050 | 11000 | 13400 | 21500 | 31000 | 41500 | 64100 | 83600 | 118000 |
| | | No Fan | Input Power kW | 27.7 | 36.1 | 44.4 | 37.0 | 49.0 | 55.5 | 74.0 | 92.5 | 129 | 166 | 250 |
| | | Output Torque Nm | 15100 | 19700 | 23900 | 20400 | 27300 | 30200 | 39800 | 50300 | 72100 | 91900 | 138000 | |
| 57.7 | 16. | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 63.8 | 15. | Mechanical | Input Power kW | 5.6 | 8.7 | 14.3 | 15.1 | 28.5 | 32.6 | 48.4 | 62.7 | 97.0 | 131 | 193 |
| | | Thermal | Output Torque Nm | 3410 | 5240 | 8450 | 9130 | | | | | | | |

B3 RATINGS AT 960 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 78.2 | 12. | Mechanical | Input Power kW | 5.2 | 7.1 | 11.4 | 12.4 | 23.1 | 26.7 | 39.7 | 51.4 | 79.6 | 107 | 155 | |
| | | | Output Torque Nm | 3870 | 5200 | 8210 | 9130 | 16800 | 19800 | 29300 | 37900 | 61100 | 80600 | 114000 | |
| | | Thermal | Input Power kW | 27.5 | 35.8 | 44.1 | 36.7 | 48.6 | 55.1 | 73.4 | 91.8 | 129 | 165 | 248 | |
| | | No Fan | Output Torque Nm | 20600 | 26400 | 31700 | 27100 | 35400 | 40900 | 54200 | 67600 | 98800 | 124000 | 183000 | |
| 86.5 | 11. | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 3.7 | 6.9 | 10.5 | 11.2 | 21.1 | 23.5 | 35.8 | 45.7 | 73.1 | 96.6 | 144 | |
| | | Thermal | Output Torque Nm | 3010 | 5630 | 8450 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 | |
| | | No Fan | Input Power kW | 27.5 | 35.7 | 44.0 | 36.7 | 48.6 | 55.0 | 73.3 | 91.6 | 128 | 165 | 247 | |
| 95.7 | 10. | Mechanical | Output Torque Nm | 22500 | 29300 | 35500 | 30000 | 39200 | 46400 | 60000 | 76000 | 107000 | 138000 | 200000 | |
| | | | Efficiency % | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | Thermal | Input Power kW | 3.3 | 5.0 | 6.3 | 11.1 | 14.0 | 21.7 | 27.7 | 42.4 | 53.4 | 89.3 | 113 | |
| | | No Fan | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 19900 | 25200 | 38500 | 48500 | 81200 | 102000 | |
| 95.7 | | Mechanical | Input Power kW | 27.4 | 35.7 | 43.9 | 36.6 | 48.5 | 54.9 | 73.2 | 91.5 | 128 | 165 | 247 | |
| | | | Output Torque Nm | 25200 | 32400 | 40300 | 33300 | 44100 | 50400 | 66500 | 83100 | 116000 | 150000 | 224000 | |
| | | Thermal | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 95 | |

B3 THERMAL RATINGS AT 960 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 68. | Thermal | Input Power kW | 44.8 | 71.0 | 91.2 | 85.3 | 112 | 144 | 188 | 245 | 332 | 442 | 587 |
| | | | Output Torque Nm | 6020 | 9550 | 12800 | 11600 | 15200 | 19700 | 25200 | 33200 | 45000 | 60100 | 81300 |
| | | Thermal | Input Power kW | 58.7 | 71.9 | 94.6 | 92.9 | 109 | 169 | 257 | 402 | 735 | 807 | 1070 |
| | | with coil | Output Torque Nm | 7900 | 9670 | 13200 | 12600 | 14800 | 23200 | 34500 | 54500 | 99600 | 110000 | 149000 |
| 15.4 | 62. | Thermal | Input Power kW | 84.8 | 131 | 171 | 172 | 214 | 310 | 455 | 665 | 960 | 1320 | 1840 |
| | | Fan & Coil | Output Torque Nm | 11400 | 17600 | 23900 | 23300 | 29300 | 42600 | 61000 | 90100 | 130000 | 180000 | 255000 |
| | | Thermal | Input Power kW | 44.3 | 70.2 | 90.2 | 84.4 | 110 | 142 | 186 | 242 | 328 | 437 | 581 |
| | | | Output Torque Nm | 6600 | 10700 | 13700 | 12800 | 16700 | 21000 | 28000 | 36200 | 50100 | 66800 | 89200 |
| 17.1 | 56. | Thermal | Input Power kW | 58.2 | 71.1 | 93.6 | 92.0 | 107 | 168 | 254 | 397 | 719 | 789 | 1030 |
| | | with coil | Output Torque Nm | 8660 | 10800 | 14200 | 14000 | 16300 | 24700 | 38200 | 59300 | 110000 | 121000 | 158000 |
| | | Thermal | Input Power kW | 83.9 | 130 | 169 | 170 | 212 | 308 | 449 | 656 | 940 | 1300 | 1770 |
| | | Fan & Coil | Output Torque Nm | 12500 | 19700 | 25700 | 25900 | 32100 | 45400 | 67500 | 97900 | 143000 | 198000 | 272000 |
| 18.9 | 50. | Thermal | Input Power kW | 43.7 | 69.3 | 89.1 | 83.4 | 109 | 140 | 184 | 239 | 324 | 432 | 574 |
| | | with fan | Output Torque Nm | 7300 | 11700 | 14900 | 13700 | 18200 | 23900 | 30200 | 40200 | 54400 | 71000 | 96700 |
| | | Thermal | Input Power kW | 57.5 | 70.3 | 92.6 | 91.0 | 106 | 166 | 250 | 392 | 701 | 771 | 986 |
| | | with coil | Output Torque Nm | 9600 | 11800 | 15500 | 14900 | 17700 | 28300 | 41100 | 65800 | 118000 | 127000 | 166000 |
| 20.9 | 45. | Thermal | Input Power kW | 83.1 | 128 | 167 | 169 | 209 | 305 | 443 | 647 | 919 | 1270 | 1700 |
| | | Fan & Coil | Output Torque Nm | 13900 | 21600 | 27900 | 27700 | 35000 | 51900 | 72700 | 109000 | 154000 | 209000 | 286000 |
| | | Thermal | Input Power kW | 43.2 | 68.5 | 88.1 | 82.4 | 108 | 139 | 182 | 237 | 321 | 427 | 567 |
| | | with fan | Output Torque Nm | 7910 | 12700 | 16300 | 15200 | 20000 | 25400 | 33500 | 43700 | 60600 | 78800 | 106000 |
| 23.2 | 41. | Thermal | Input Power kW | 56.9 | 69.4 | 91.6 | 89.9 | 104 | 165 | 246 | 386 | 683 | 752 | 943 |
| | | with coil | Output Torque Nm | 10400 | 12900 | 16900 | 16600 | 19400 | 30200 | 45400 | 71400 | 129000 | 139000 | 176000 |
| | | Thermal | Input Power kW | 82.1 | 127 | 165 | 167 | 206 | 302 | 436 | 638 | 898 | 1240 | 1630 |
| | | Fan & Coil | Output Torque Nm | 15000 | 23500 | 30500 | 30700 | 38300 | 55300 | 80300 | 118000 | 170000 | 229000 | 305000 |
| 20.9 | 45. | Thermal | Input Power kW | 42.7 | 67.7 | 87.0 | 81.4 | 106 | 137 | 180 | 234 | 317 | 421 | 560 |
| | | with fan | Output Torque Nm | 8600 | 13900 | 18100 | 16600 | 21800 | 28500 | 36600 | 48200 | 63200 | 86000 | 115000 |
| | | Thermal | Input Power kW | 56.3 | 68.5 | 90.5 | 88.8 | 103 | 163 | 242 | 379 | 664 | 732 | 900 |
| | | with coil | Output Torque Nm | 11300 | 14100 | 18900 | 18100 | 21100 | 34100 | 49400 | 78300 | 132000 | 149000 | 185000 |
| 23.2 | 41. | Thermal | Input Power kW | 81.2 | 125 | 163 | 164 | 203 | 300 | 429 | 628 | 875 | 1210 | 1560 |
| | | Fan & Coil | Output Torque Nm | 16400 | 25700 | 34100 | 33500 | 41600 | 62500 | 87500 | 130000 | 175000 | 247000 | 320000 |
| | | Thermal | Input Power kW | 42.2 | 66.9 | 86.0 | 80.4 | 105 | 135 | 178 | 231 | 313 | 416 | 553 |
| | | with fan | Output Torque Nm | 9610 | 15200 | 19300 | 18400 | 23900 | 30300 | 40600 | 52400 | 70300 | 95400 | 126000 |
| 23.2 | 41. | Thermal | Input Power kW | 55.6 | 67.6 | 89.4 | 87.6 | 101 | 162 | 238 | 373 | 644 | 711 | 858 |
| | | with coil | Output Torque Nm | 12700 | 15400 | 20000 | 20000 | 23000 | 36300 | 54400 | 84700 | 145000 | 163000 | 195000 |
| | | Thermal | Input Power kW | 80.2 | 123 | 161 | 162 | 200 | 297 | 422 | 618 | 853 | 1180 | 1490 |
| | | Fan & Coil | Output Torque Nm | 18300 | 28000 | 36200 | 37100 | 45400 | 66500 | 96500 | 140000 | 192000 | 270000 | 339000 |

Note: Cooling coils cannot be fitted to vertical units

B3 THERMAL RATINGS AT 960 REV/MIN INPUT

9709

Note: Cooling coils cannot be fitted to vertical units

B3 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-----|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | | |
| 14.0 | 51. | Mechanical | Input Power kW | 15.9 | 20.4 | 29.2 | 48.0 | 68.2 | 90.5 | 124 | 161 | 256 | 338 | 466 | |
| | | | Output Torque Nm | 2840 | 3630 | 5400 | 8610 | 12300 | 16400 | 21900 | 28800 | 45800 | 60800 | 85300 | |
| | | Thermal | Input Power kW | 31.7 | 41.2 | 50.7 | 42.3 | 56.0 | 63.4 | 84.5 | 106 | 148 | 190 | 285 | |
| | | No Fan | Output Torque Nm | 5640 | 7340 | 9400 | 7580 | 10100 | 11500 | 15000 | 18900 | 26500 | 34200 | 52200 | |
| 15.4 | 46. | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | |
| | | | Input Power kW | 15.9 | 20.4 | 29.2 | 48.0 | 68.2 | 90.5 | 124 | 161 | 256 | 338 | 466 | |
| | | | Output Torque Nm | 3140 | 4100 | 5860 | 9660 | 13700 | 17700 | 24600 | 31700 | 51600 | 68300 | 94600 | |
| | | Thermal | Input Power kW | 31.3 | 40.7 | 50.1 | 41.8 | 55.4 | 62.7 | 83.6 | 105 | 146 | 188 | 282 | |
| 17.1 | 42. | No Fan | Output Torque Nm | 6180 | 8200 | 10100 | 8420 | 11100 | 12200 | 16600 | 20600 | 29500 | 37900 | 57300 | |
| | | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | |
| | | | Input Power kW | 15.9 | 20.4 | 29.2 | 48.0 | 68.2 | 90.5 | 124 | 161 | 256 | 338 | 466 | |
| | | | Output Torque Nm | 3520 | 4550 | 6440 | 10400 | 15100 | 20400 | 26900 | 35700 | 56800 | 73600 | 104000 | |
| 18.9 | 38. | Mechanical | Thermal | Input Power kW | 31.0 | 40.2 | 49.5 | 41.3 | 54.7 | 61.9 | 82.6 | 103 | 145 | 186 | 279 |
| | | No Fan | Output Torque Nm | 6840 | 8990 | 10900 | 8970 | 12100 | 13900 | 17900 | 22900 | 32100 | 40400 | 62100 | |
| | | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | |
| | | | Input Power kW | 15.7 | 20.4 | 29.2 | 43.0 | 67.5 | 90.5 | 124 | 161 | 254 | 338 | 466 | |
| 20.9 | 34. | Mechanical | Output Torque Nm | 3800 | 5010 | 7130 | 10500 | 16600 | 21900 | 30100 | 39400 | 63600 | 82700 | 115000 | |
| | | | Thermal | Input Power kW | 30.6 | 39.7 | 48.9 | 40.8 | 54.0 | 61.2 | 81.6 | 102 | 143 | 184 | 275 |
| | | No Fan | Output Torque Nm | 7410 | 9770 | 12000 | 9950 | 13300 | 14800 | 19900 | 25000 | 35700 | 44800 | 68100 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 23.2 | 31. | Mechanical | Input Power kW | 14.5 | 20.4 | 27.5 | 39.7 | 61.4 | 84.3 | 109 | 146 | 217 | 298 | 401 | |
| | | | Output Torque Nm | 3870 | 5550 | 7590 | 10700 | 16700 | 23300 | 29300 | 39800 | 57400 | 80500 | 109000 | |
| | | Thermal | Input Power kW | 30.2 | 39.3 | 48.3 | 40.3 | 53.4 | 60.4 | 80.6 | 101 | 141 | 181 | 272 | |
| | | No Fan | Output Torque Nm | 8060 | 10700 | 13300 | 10900 | 14500 | 16700 | 21800 | 27500 | 37200 | 48900 | 73800 | |
| 25.6 | 28. | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 12.6 | 20.4 | 25.6 | 34.7 | 55.2 | 78.5 | 108 | 156 | 214 | 279 | 401 | |
| | | | Output Torque Nm | 3810 | 6130 | 7590 | 10500 | 16600 | 23300 | 32800 | 46800 | 63600 | 84400 | 121000 | |
| | | Thermal | Input Power kW | 29.8 | 38.8 | 47.8 | 39.8 | 52.7 | 59.7 | 79.6 | 99.5 | 139 | 179 | 269 | |
| 28.4 | 25. | No Fan | Output Torque Nm | 9000 | 11700 | 14200 | 12000 | 15900 | 17700 | 24100 | 29900 | 41400 | 54300 | 80900 | |
| | | Mechanical | Efficiency % | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 10.8 | 12.0 | 21.0 | 28.5 | 45.4 | 65.8 | 90.5 | 133 | 159 | 229 | 338 | |
| | | | Output Torque Nm | 3870 | 4360 | 7590 | 10500 | 16600 | 23300 | 32800 | 47400 | 59500 | 84400 | 125000 | |
| 31.4 | 23. | Mechanical | Thermal | Input Power kW | 29.2 | 37.9 | 46.7 | 38.9 | 51.5 | 58.4 | 77.8 | 97.3 | 136 | 175 | 263 |
| | | No Fan | Output Torque Nm | 10500 | 13800 | 16800 | 14300 | 18900 | 20700 | 28200 | 34800 | 50800 | 64600 | 97400 | |
| | | Mechanical | Efficiency % | 96 | 96 | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 9.3 | 11.8 | 21.3 | 25.8 | 41.1 | 59.7 | 82.1 | 120 | 144 | 208 | 306 | |
| 34.7 | 20. | Mechanical | Output Torque Nm | 3750 | 4730 | 8380 | 10500 | 16600 | 23300 | 32800 | 47400 | 59500 | 84500 | 125000 | |
| | | | Thermal | Input Power kW | 28.9 | 37.5 | 46.2 | 38.5 | 51.0 | 57.7 | 77.0 | 96.2 | 135 | 173 | 260 |
| | | No Fan | Output Torque Nm | 11600 | 15000 | 18200 | 15700 | 20600 | 22500 | 30800 | 38000 | 55400 | 70400 | 106000 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 38.4 | 18. | Mechanical | Input Power kW | 8.8 | 11.8 | 17.1 | 24.7 | 29.8 | 49.1 | 73.6 | 94.6 | 144 | 195 | 281 | |
| | | | Output Torque Nm | 3810 | 5150 | 7590 | 11000 | 13400 | 21500 | 31900 | 41500 | 64800 | 86800 | 125000 | |
| | | Thermal | Input Power kW | 28.6 | 37.2 | 45.7 | 38.1 | 50.5 | 57.2 | 76.2 | 95.3 | 133 | 172 | 257 | |
| | | No Fan | Output Torque Nm | 12400 | 16200 | 20300 | 17000 | 22700 | 25100 | 33000 | 41800 | 59800 | 76300 | 115000 | |
| 42.5 | 17. | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 7.3 | 8.9 | 15.8 | 20.4 | 24.7 | 40.6 | 60.9 | 78.3 | 120 | 161 | 233 | |
| | | | Output Torque Nm | 3870 | 4810 | 8320 | 11000 | 13400 | 21500 | 31900 | 41500 | 64900 | 86800 | 125000 | |
| | | Thermal | Input Power kW | 28.1 | 36.6 | 45.0 | 37.5 | 49.7 | 56.3 | 75.0 | 93.8 | 131 | 169 | 253 | |
| 47.1 | 15. | No Fan | Output Torque Nm | 14900 | 19700 | 23600 | 20200 | 27000 | 29800 | 39300 | 49700 | 71200 | 90800 | 136000 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 5.7 | 8.9 | 14.7 | 18.5 | 22.3 | 36.7 | 55.1 | 70.8 | 108 | 146 | 211 | |
| | | | Output Torque Nm | 3350 | 5250 | 8450 | 11000 | 13400 | 21500 | 31900 | 41500 | 64900 | 86800 | 125000 | |
| 52.1 | 13. | Mechanical | Thermal | Input Power kW | 28.0 | 36.4 | 44.7 | 37.3 | 49.4 | 55.9 | 74.6 | 93.2 | 131 | 168 | 252 |
| | | No Fan | Output Torque Nm | 16500 | 21400 | 25700 | 22200 | 29600 | 32800 | 43200 | 54600 | 78200 | 99800 | 150000 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 5.7 | 7.4 | 11.3 | 16.6 | 20.0 | 33.0 | 49.5 | 63.6 | 97.2 | 131 | 186 | |
| 57.7 | 12. | Mechanical | Output Torque Nm | 3690 | 4930 | 7370 | 11000 | 13400 | 21500 | 31900 | 41500 | 64900 | 86800 | 123000 | |
| | | | Thermal | Input Power kW | 27.8 | 36.2 | 44.5 | 37.1 | 49.2 | 55.7 | 74.2 | 92.8 | 130 | 167 | 251 |
| | | No Fan | Output Torque Nm | 18100 | 24000 | 29100 | 24600 | 32900 | 36400 | 47900 | 60500 | 86700 | 111000 | 166000 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 63.8 | 11. | Mechanical | Input Power kW | 5.4 | 7.4 | 11.3 | 15.0 | 18.1 | 29.9 | 42.2 | 57.6 | 87.0 | 114 | 161 | |
| | | | Output Torque Nm | 3870 | 5380 | 8050 | 11000 | 13400 | 21500 | 30100 | 41500 | 64100 | 83600 | 118000 | |
| | | Thermal | Input Power kW | 27.7 | 36.1 | 44.4 | 37.0 | 49.0 | 55.5 | 74.0 | 92.5 | 129 | 166 | 250 | |
| | | No Fan | Output Torque Nm | 22200 | 28800 | 34500 | 29500 | 38600 | 44500 | 59000 | 73700 | 108000 | 135000 | 199000 | |
| 70.6 | 10. | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| | | | Input Power kW | 4.3 | 5.3 | 8.6 | 11.8 | 14.9 | 24.5 | 31.8 | 46.6 | 61.9 | 85.8 | 117 | |
| | | | Output Torque Nm | 3750 | 4720 | 7510 | 10500 | 13400 | 21600 | 27700 | 40900 | 55600 | 76500 | 104000 | |
| | | Thermal | Input Power kW | 27.6 | 35.8 | 44.1 | 36.8 | 48.7 | 55.1 | 73.5 | 91.9 | 129 | 165 | 248 | |
| 70.6 | | No Fan | Output Torque Nm | 24300 | 32100 | 38400 | 32800 | 43800 | 48500 | 63900 | 80800 | 116000 | 148000 | 222000 | |
| | | Mechanical | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 95 | |

B3 RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 78.2 | 9. | Mechanical | Input Power kW | 3.9 | 5.3 | 8.6 | 9.3 | 17.5 | 20.2 | 30.0 | 38.8 | 60.1 | 81.0 | 117 |
| | | | Output Torque Nm | 3870 | 5160 | 8210 | 9130 | 16800 | 19800 | 29300 | 37900 | 61200 | 80600 | 114000 |
| | | Thermal | Input Power kW | 27.5 | 35.8 | 44.1 | 36.7 | 48.6 | 55.1 | 73.4 | 91.8 | 128 | 165 | 248 |
| | | No Fan | Output Torque Nm | 27200 | 35000 | 41900 | 35900 | 46900 | 54100 | 71700 | 89500 | 131000 | 165000 | 242000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 95 | 96 | 96 | 96 | 96 | 96 | |
| 86.5 | 8. | Mechanical | Input Power kW | 2.8 | 5.2 | 7.9 | 8.4 | 15.9 | 17.8 | 27.0 | 34.5 | 55.2 | 72.9 | 109 |
| | | | Output Torque Nm | 3010 | 5630 | 8450 | 9130 | 17000 | 19800 | 29300 | 37900 | 61200 | 80600 | 117000 |
| | | Thermal | Input Power kW | 27.5 | 35.7 | 44.0 | 36.7 | 48.6 | 55.0 | 73.3 | 91.6 | 128 | 165 | 247 |
| | | No Fan | Output Torque Nm | 29800 | 38800 | 47000 | 39700 | 51900 | 61400 | 79500 | 101000 | 142000 | 182000 | 265000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 95.7 | 7. | Mechanical | Input Power kW | 2.5 | 3.8 | 4.8 | 8.4 | 10.6 | 16.4 | 20.9 | 32.0 | 40.4 | 67.5 | 85.1 |
| | | | Output Torque Nm | 3010 | 4520 | 5830 | 10100 | 12700 | 20000 | 25200 | 38500 | 48600 | 81200 | 102000 |
| | | Thermal | Input Power kW | 27.4 | 35.7 | 43.9 | 36.6 | 48.5 | 54.9 | 73.2 | 91.5 | 128 | 165 | 247 |
| | | No Fan | Output Torque Nm | 33400 | 42900 | 53400 | 44000 | 58300 | 66700 | 88100 | 110000 | 154000 | 198000 | 297000 |
| | | | Efficiency % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | |

B3 THERMAL RATINGS AT 725 REV/MIN INPUT

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|------------|------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 14.0 | 51. | Thermal | Input Power kW | 39.5 | 62.6 | 80.5 | 75.3 | 98.4 | 127 | 166 | 216 | 293 | 390 | 518 |
| | | | Output Torque Nm | 7040 | 11200 | 14900 | 13500 | 17800 | 23000 | 29500 | 38800 | 52500 | 70100 | 94800 |
| | | Thermal | Input Power kW | 58.7 | 71.9 | 94.6 | 92.9 | 109 | 169 | 257 | 402 | 735 | 807 | 1070 |
| | | | Output Torque Nm | 10500 | 12800 | 17500 | 16700 | 19600 | 30700 | 45700 | 72100 | 132000 | 145000 | 197000 |
| | | Thermal | Input Power kW | 79.5 | 123 | 160 | 162 | 201 | 293 | 433 | 636 | 921 | 1270 | 1770 |
| 15.4 | 46. | Fan & Coil | Output Torque Nm | 14200 | 21900 | 29700 | 29100 | 36400 | 53300 | 76800 | 114000 | 165000 | 229000 | 324000 |
| | | Thermal | Input Power kW | 39.1 | 61.9 | 79.6 | 74.5 | 97.3 | 125 | 164 | 214 | 290 | 386 | 512 |
| | | | Output Torque Nm | 7710 | 12500 | 16000 | 15000 | 19500 | 24500 | 32700 | 42200 | 58500 | 77800 | 104000 |
| | | Thermal | Input Power kW | 58.2 | 71.1 | 93.6 | 92.0 | 107 | 168 | 254 | 397 | 718 | 789 | 1030 |
| | | | Output Torque Nm | 11500 | 14300 | 18800 | 18500 | 21500 | 32800 | 50500 | 78400 | 145000 | 159000 | 209000 |
| 17.1 | 42. | Fan & Coil | Input Power kW | 78.7 | 121 | 158 | 160 | 199 | 291 | 427 | 628 | 902 | 1250 | 1700 |
| | | | Output Torque Nm | 15500 | 24400 | 31900 | 32400 | 39900 | 56900 | 85000 | 124000 | 182000 | 251000 | 346000 |
| | | Thermal | Input Power kW | 38.6 | 61.2 | 78.7 | 73.6 | 96.2 | 124 | 162 | 211 | 286 | 381 | 506 |
| | | | Output Torque Nm | 8530 | 13700 | 17400 | 16000 | 21300 | 27900 | 35300 | 47000 | 63600 | 82900 | 113000 |
| | | Thermal | Input Power kW | 57.5 | 70.3 | 92.6 | 90.9 | 106 | 166 | 250 | 391 | 701 | 771 | 986 |
| 18.9 | 38. | Thermal | Output Torque Nm | 12700 | 15700 | 20500 | 19800 | 23500 | 37500 | 54400 | 87100 | 156000 | 168000 | 220000 |
| | | | Input Power kW | 77.9 | 120 | 157 | 159 | 196 | 289 | 421 | 619 | 881 | 1220 | 1630 |
| | | Fan & Coil | Output Torque Nm | 17200 | 26800 | 34600 | 34500 | 43500 | 65000 | 91500 | 138000 | 196000 | 265000 | 363000 |
| | | Thermal | Input Power kW | 38.1 | 60.4 | 77.7 | 72.7 | 95.0 | 122 | 160 | 209 | 283 | 376 | 500 |
| | | | Output Torque Nm | 9250 | 14900 | 19000 | 17700 | 23400 | 29600 | 39100 | 51100 | 70700 | 92000 | 124000 |
| 20.9 | 34. | Thermal | Input Power kW | 56.9 | 69.4 | 91.6 | 89.9 | 104 | 165 | 246 | 386 | 682 | 752 | 943 |
| | | | Output Torque Nm | 13800 | 17100 | 22400 | 21900 | 25700 | 40000 | 60100 | 94500 | 171000 | 184000 | 233000 |
| | | Thermal | Input Power kW | 77.1 | 119 | 155 | 157 | 193 | 286 | 414 | 610 | 860 | 1190 | 1560 |
| | | | Output Torque Nm | 18700 | 29100 | 37900 | 38300 | 47600 | 69300 | 101000 | 149000 | 215000 | 291000 | 386000 |
| | | Thermal | Input Power kW | 37.7 | 59.7 | 76.8 | 71.8 | 93.8 | 121 | 159 | 206 | 279 | 372 | 494 |
| 23.2 | 31. | Thermal | Output Torque Nm | 10000 | 16300 | 21200 | 19300 | 25400 | 33400 | 42800 | 56300 | 73800 | 100000 | 134000 |
| | | | Input Power kW | 56.3 | 68.5 | 90.5 | 88.8 | 103 | 163 | 242 | 379 | 663 | 732 | 900 |
| | | Thermal | Output Torque Nm | 15000 | 18700 | 25000 | 23900 | 27900 | 45100 | 65400 | 104000 | 175000 | 198000 | 244000 |
| | | | Input Power kW | 76.2 | 117 | 153 | 155 | 191 | 284 | 408 | 600 | 838 | 1160 | 1490 |
| | | Fan & Coil | Output Torque Nm | 20300 | 31900 | 42300 | 41700 | 51600 | 78300 | 110000 | 164000 | 221000 | 313000 | 405000 |
| 23.2 | 31. | Thermal | Input Power kW | 37.2 | 59.0 | 75.9 | 71.0 | 92.7 | 119 | 157 | 204 | 276 | 367 | 488 |
| | | | Output Torque Nm | 11200 | 17800 | 22500 | 21500 | 27900 | 35400 | 47500 | 61300 | 82100 | 111000 | 147000 |
| | | Thermal | Input Power kW | 55.6 | 67.6 | 89.4 | 87.6 | 101 | 162 | 238 | 373 | 644 | 711 | 858 |
| | | | Output Torque Nm | 16800 | 20300 | 26500 | 26500 | 30500 | 48100 | 72100 | 112000 | 192000 | 216000 | 259000 |
| | | Thermal | Input Power kW | 75.3 | 115 | 151 | 153 | 188 | 281 | 401 | 591 | 816 | 1130 | 1420 |
| 23.2 | 31. | Fan & Coil | Output Torque Nm | 22700 | 34700 | 44900 | 46300 | 56500 | 83400 | 121000 | 178000 | 243000 | 342000 | 429000 |

Note: Cooling coils cannot be fitted to vertical units

B3 THERMAL RATINGS AT 725 REV/MIN INPUT

9709

| Nominal Ratio | Nominal Output Speed Rev/Min | CAPACITY | SIZE OF UNIT | | | | | | | | | | | |
|---------------|------------------------------|-------------------|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | H140 | H160 | H180 | H200 | H225 | H250 | H280 | H315 | H355 | H400 | H450 | |
| 25.6 | 28. | Thermal with fan | Input Power kW | 36.8 | 58.3 | 75.0 | 70.1 | 91.6 | 118 | 155 | 201 | 273 | 363 | 483 |
| | | | Output Torque Nm | 12000 | 19100 | 25000 | 23400 | 30400 | 38600 | 51800 | 66800 | 89600 | 121000 | 160000 |
| | | Thermal with coil | Input Power kW | 54.9 | 66.7 | 88.3 | 86.5 | 99.8 | 160 | 234 | 366 | 624 | 690 | 817 |
| | | | Output Torque Nm | 17900 | 21900 | 29400 | 28900 | 33100 | 52500 | 78100 | 122000 | 205000 | 231000 | 272000 |
| 28.4 | 25. | Thermal with fan | Input Power kW | 74.4 | 114 | 149 | 151 | 185 | 278 | 394 | 580 | 793 | 1100 | 1360 |
| | | | Output Torque Nm | 24300 | 37300 | 49800 | 50400 | 61300 | 91100 | 132000 | 193000 | 260000 | 367000 | 452000 |
| | | Thermal with coil | Input Power kW | 36.4 | 57.7 | 74.1 | 69.3 | 90.6 | 117 | 153 | 199 | 270 | 359 | 477 |
| | | | Output Torque Nm | 13000 | 20900 | 26700 | 25600 | 33200 | 41300 | 55500 | 71300 | 101000 | 132000 | 177000 |
| 31.4 | 23. | Thermal with fan | Input Power kW | 54.2 | 65.8 | 87.2 | 85.3 | 98.2 | 159 | 229 | 359 | 604 | 669 | 778 |
| | | | Output Torque Nm | 19400 | 23900 | 31400 | 31400 | 36000 | 56200 | 83100 | 129000 | 225000 | 247000 | 289000 |
| | | Thermal with coil | Input Power kW | 73.4 | 112 | 147 | 149 | 182 | 275 | 386 | 570 | 770 | 1070 | 1300 |
| | | Fan & Coil | Output Torque Nm | 26300 | 40700 | 53200 | 54900 | 66500 | 97500 | 140000 | 204000 | 287000 | 393000 | 481000 |
| 34.7 | 20. | Thermal with fan | Input Power kW | 36.0 | 57.0 | 73.3 | 68.6 | 89.6 | 115 | 151 | 197 | 267 | 355 | 472 |
| | | | Output Torque Nm | 14500 | 22900 | 28900 | 27900 | 36200 | 45100 | 60600 | 77800 | 110000 | 144000 | 193000 |
| | | Thermal with coil | Input Power kW | 53.5 | 64.8 | 86.0 | 84.0 | 96.6 | 157 | 224 | 352 | 583 | 647 | 740 |
| | | | Output Torque Nm | 21500 | 26000 | 33900 | 34200 | 39000 | 61400 | 89800 | 139000 | 240000 | 263000 | 303000 |
| 38.4 | 18. | Thermal with fan | Input Power kW | 72.5 | 111 | 145 | 147 | 179 | 273 | 378 | 558 | 746 | 1030 | 1240 |
| | | | Output Torque Nm | 29100 | 44400 | 57300 | 59700 | 72100 | 106000 | 152000 | 221000 | 307000 | 420000 | 506000 |
| | | Thermal with coil | Input Power kW | 35.6 | 56.5 | 72.6 | 67.9 | 88.8 | 114 | 150 | 195 | 264 | 352 | 467 |
| | | | Output Torque Nm | 15500 | 24700 | 32300 | 30200 | 39900 | 50200 | 65000 | 85500 | 119000 | 157000 | 208000 |
| 42.5 | 17. | Thermal with fan | Input Power kW | 52.9 | 63.9 | 84.9 | 82.8 | 94.9 | 156 | 219 | 344 | 562 | 625 | 704 |
| | | | Output Torque Nm | 23000 | 27900 | 37700 | 36800 | 42600 | 68300 | 95200 | 151000 | 252000 | 278000 | 314000 |
| | | Thermal with coil | Input Power kW | 71.5 | 109 | 144 | 145 | 176 | 270 | 371 | 547 | 723 | 1000 | 1180 |
| | | Fan & Coil | Output Torque Nm | 31100 | 47600 | 63800 | 64300 | 78800 | 118000 | 161000 | 240000 | 324000 | 445000 | 525000 |
| 47.1 | 15. | Thermal with fan | Input Power kW | 35.3 | 56.0 | 72.0 | 67.4 | 88.0 | 113 | 149 | 193 | 262 | 349 | 464 |
| | | | Output Torque Nm | 16900 | 27300 | 34600 | 33000 | 43500 | 54800 | 71000 | 93300 | 129000 | 171000 | 227000 |
| | | Thermal with coil | Input Power kW | 52.2 | 63.0 | 83.8 | 81.6 | 93.3 | 154 | 215 | 336 | 541 | 603 | 670 |
| | | | Output Torque Nm | 24900 | 30700 | 40300 | 40000 | 46100 | 74400 | 102000 | 162000 | 267000 | 296000 | 329000 |
| 52.1 | 13. | Thermal with fan | Input Power kW | 70.6 | 107 | 142 | 142 | 172 | 267 | 363 | 536 | 700 | 969 | 1120 |
| | | | Output Torque Nm | 33800 | 52300 | 68100 | 69800 | 85200 | 129000 | 173000 | 259000 | 345000 | 475000 | 551000 |
| | | Thermal with coil | Input Power kW | 35.1 | 55.6 | 71.5 | 66.9 | 87.4 | 113 | 148 | 192 | 260 | 346 | 460 |
| | | | Output Torque Nm | 18600 | 30000 | 37600 | 36000 | 47400 | 59700 | 77400 | 102000 | 141000 | 186000 | 248000 |
| 57.7 | 12. | Thermal with fan | Input Power kW | 51.5 | 62.1 | 82.6 | 80.3 | 91.7 | 152 | 210 | 329 | 521 | 582 | 638 |
| | | | Output Torque Nm | 27400 | 33500 | 43400 | 43200 | 49800 | 80800 | 110000 | 174000 | 282000 | 313000 | 343000 |
| | | Thermal with coil | Input Power kW | 69.6 | 106 | 140 | 140 | 169 | 264 | 355 | 524 | 676 | 937 | 1070 |
| | | Fan & Coil | Output Torque Nm | 37000 | 57000 | 73400 | 75400 | 91900 | 140000 | 186000 | 278000 | 367000 | 504000 | 576000 |
| 63.8 | 11. | Thermal with fan | Input Power kW | 34.9 | 55.3 | 71.1 | 66.5 | 86.9 | 112 | 147 | 191 | 259 | 344 | 457 |
| | | | Output Torque Nm | 20600 | 32600 | 40800 | 39500 | 52100 | 65600 | 85100 | 112000 | 155000 | 205000 | 272000 |
| | | Thermal with coil | Input Power kW | 50.9 | 61.2 | 81.6 | 79.1 | 90.1 | 151 | 205 | 320 | 500 | 560 | 607 |
| | | | Output Torque Nm | 30100 | 36000 | 46800 | 47000 | 54100 | 88300 | 119000 | 188000 | 300000 | 333000 | 361000 |
| 70.6 | 10. | Thermal with fan | Input Power kW | 68.7 | 104 | 138 | 138 | 166 | 261 | 347 | 512 | 654 | 905 | 1020 |
| | | | Output Torque Nm | 40600 | 61200 | 79000 | 82100 | 99800 | 153000 | 201000 | 300000 | 392000 | 538000 | 608000 |
| | | Thermal with coil | Input Power kW | 34.7 | 55.0 | 70.7 | 66.2 | 86.5 | 111 | 146 | 190 | 257 | 343 | 455 |
| | | | Output Torque Nm | 22600 | 36500 | 46300 | 43800 | 57800 | 72700 | 94300 | 124000 | 172000 | 227000 | 302000 |
| 78.2 | 9. | Thermal with fan | Input Power kW | 50.2 | 60.3 | 80.5 | 77.8 | 88.5 | 149 | 199 | 312 | 480 | 539 | 579 |
| | | | Output Torque Nm | 32600 | 40000 | 52600 | 51500 | 59200 | 97300 | 129000 | 204000 | 320000 | 357000 | 384000 |
| | | Thermal with coil | Input Power kW | 67.8 | 102 | 136 | 136 | 163 | 259 | 339 | 500 | 632 | 874 | 976 |
| | | | Output Torque Nm | 44100 | 67800 | 88800 | 90000 | 109000 | 169000 | 219000 | 327000 | 422000 | 579000 | 647000 |
| 86.5 | 8. | Thermal with fan | Input Power kW | 34.5 | 54.7 | 70.3 | 65.7 | 85.9 | 111 | 145 | 189 | 256 | 340 | 452 |
| | | | Output Torque Nm | 27600 | 43800 | 54800 | 52600 | 67800 | 89100 | 116000 | 151000 | 213000 | 278000 | 362000 |
| | | Thermal with coil | Input Power kW | 48.9 | 58.6 | 78.3 | 75.2 | 85.4 | 145 | 189 | 295 | 440 | 497 | 527 |
| | | | Output Torque Nm | 39200 | 46900 | 61100 | 60200 | 67400 | 117000 | 152000 | 236000 | 367000 | 406000 | 421000 |
| 95.7 | 7. | Thermal with fan | Input Power kW | 65.9 | 99.1 | 132 | 131 | 157 | 253 | 323 | 476 | 588 | 814 | 894 |
| | | | Output Torque Nm | 52800 | 79300 | 103000 | 105000 | 124000 | 204000 | 259000 | 381000 | 491000 | 665000 | 715000 |
| | | Thermal with coil | Input Power kW | 48.2 | 57.7 | 77.1 | 73.9 | 83.8 | 143 | 184 | 287 | 421 | 477 | 504 |
| | | | Output Torque Nm | 42500 | 51700 | 67200 | 65900 | 75400 | 126000 | 160000 | 252000 | 379000 | 426000 | 450000 |

Note: Cooling coils cannot be fitted to vertical units

REDUCER DIMENSION CONTENTS

9606

| Designation | Number of Reductions | Mounting | Type of Shaft | Page No |
|--------------------|-----------------------------|-----------------------------------|--------------------------|----------------|
| H1 | Single reduction | Horizontal foot mounted | Parallel shafts _____ | 90 |
| H2 | Double reduction | Horizontal foot mounted | Parallel shafts _____ | 91 |
| H2S | Double reduction | Horizontal shaft mounted | Parallel shafts _____ | 92 |
| H2SF | Double reduction | Horizontal foot and shaft mounted | Parallel shafts _____ | 93 |
| VH2 | Double reduction | Vertical mounted | Parallel shafts _____ | 94 |
| H3 | Triple reduction | Horizontal foot mounted | Parallel shafts _____ | 95 |
| H3S | Triple reduction | Horizontal shaft mounted | Parallel shafts _____ | 96 |
| H3SF | Triple reduction | Horizontal foot and shaft mounted | Parallel shafts _____ | 97 |
| VH3 | Triple reduction | Vertical mounted | Parallel shafts _____ | 98 |
| B2 | Double reduction | Horizontal foot mounted | Right angle shafts _____ | 99 |
| B2S | Double reduction | Horizontal shaft mounted | Right angle shafts _____ | 100 |
| B2SF | Double reduction | Horizontal foot and shaft mounted | Right angle shafts _____ | 101 |
| VB2 | Double reduction | Vertical mounted | Right angle shafts _____ | 102 |
| B3 | Triple reduction | Horizontal foot mounted | Right angle shafts _____ | 103 |
| B3S | Triple reduction | Horizontal shaft mounted | Right angle shafts _____ | 104 |
| B3SF | Triple reduction | Horizontal foot and shaft mounted | Right angle shafts _____ | 105 |
| VB3 | Triple reduction | Vertical mounted | Right angle shafts _____ | 106 |

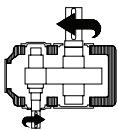
DIMENSIONS SINGLE REDUCTION

9710

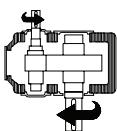
H1

- HORIZONTAL FOOT MOUNTED UNIT WITH PARALLEL SHAFTS

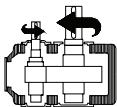
SHAFT
HANDING / ROTATION



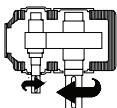
1



2

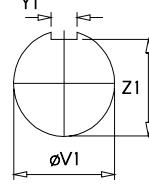
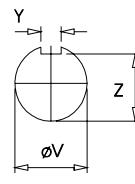
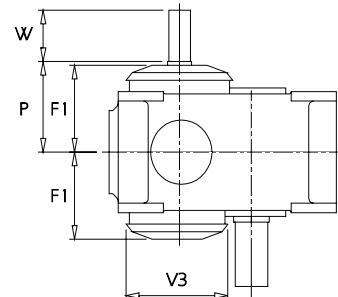
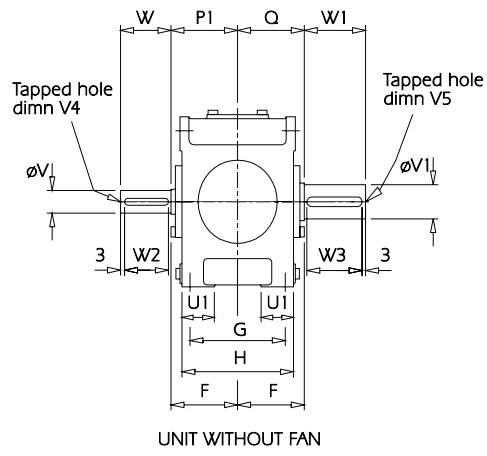
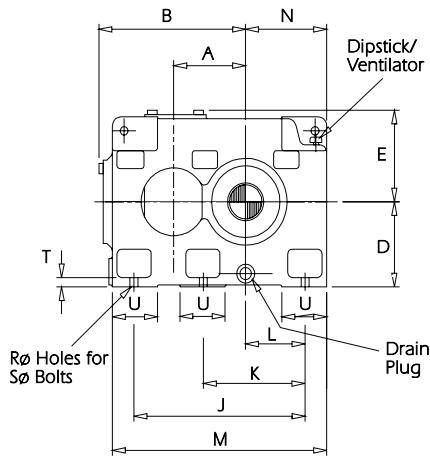


3



4

OPPOSITE ROTATION
AVAILABLE



UNIT WITH FAN

| Unit Size | A | B | D | E | F | F1 | G | | | L | K | N | J | P | M | P1 | Q | R | S | T | U |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|------|--------|----|-----|---|
| 140 | 140 | 299 | 160 | 174 | 135 | 180 | 190 | 224 | 335 | - | 120 | 425 | 165 | 185 | 140 | 140 | 13.5 | 4 x 12 | 20 | 100 | |
| 160 | 160 | 342 | 180 | 194 | 155 | 200 | 225 | 260 | 375 | - | 135 | 475 | 185 | 205 | 160 | 160 | 17.5 | 4 x 16 | 20 | 110 | |
| 180 | 180 | 382 | 200 | 214 | 170 | 220 | 250 | 290 | 425 | - | 147.5 | 530 | 200 | 225 | 175 | 175 | 17.5 | 4 x 16 | 25 | 120 | |
| 200 | 200 | 408 | 225 | 239 | 180 | 230 | 265 | 310 | 475 | - | 165 | 595 | 225 | 235 | 185 | 185 | 22 | 4 x 20 | 25 | 125 | |
| 225 | 225 | 465 | 250 | 267 | 203 | 255 | 280 | 340 | 530 | - | 185 | 660 | 250 | 260 | 205 | 205 | 22 | 4 x 20 | 30 | 130 | |
| 250 | 250 | 515 | 280 | 298 | 215 | 275 | 300 | 370 | 600 | - | 210 | 740 | 280 | 280 | 220 | 220 | 26 | 4 x 24 | 30 | 140 | |
| 280 | 280 | 570 | 315 | 327 | 235 | 300 | 335 | 410 | 670 | - | 240 | 820 | 315 | 305 | 240 | 240 | 26 | 4 x 24 | 35 | 160 | |
| 315 | 315 | 651 | 355 | 350 | 256 | 325 | 375 | 450 | 750 | - | 270 | 920 | 355 | 330 | 260 | 260 | 33 | 4 x 30 | 40 | 180 | |
| 355 | 355 | 711 | 400 | 405 | 286 | 360 | 425 | 500 | 865 | 530 | 305 | 1055 | 400 | 365 | 290 | 290 | 33 | 6 x 30 | 50 | 200 | |
| 400 | 400 | 808 | 450 | 456 | 320 | 400 | 475 | 560 | 1000 | 600 | 350 | 1200 | 450 | 405 | 325 | 325 | 39 | 6 x 36 | 55 | 220 | |
| 450 | 450 | 908 | 500 | 497 | 360 | 445 | 530 | 640 | 1120 | 670 | 395 | 1330 | 500 | 450 | 365 | 365 | 39 | 6 x 36 | 60 | 250 | |

| Unit Size | INPUT SHAFTS | | | | | | | OUTPUT SHAFTS | | | | | | |
|------------|--------------|-----|--------------------|----------|-----|-----|------------------|----------------|--------------------|----------|-----|-----|------------------|----------------|
| | U1 | V3 | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 140 | 60 | 240 | 45.018 45.002 | M16 x 36 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 70.030 70.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 62.5 62.3 |
| 160 | 70 | 250 | 50.018 50.002 | M16 x 36 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 75.030 75.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 67.5 67.3 |
| 180 | 85 | 270 | 55.030 55.011 | M16 x 36 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 85.035 85.013 | M24 x 52 | 170 | 160 | 21.978 21.926 | 76.0 75.8 |
| 200 | 90 | 296 | 60.030 60.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 53.0 52.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 95 | 320 | 70.030 70.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 62.5 62.3 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 115 | 350 | 80.030 80.011 | M24 x 50 | 170 | 160 | 21.978 21.926 | 71.0 70.8 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 125 | 400 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 87.0 86.8 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 130 | 440 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 155 | 500 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 | 160.040 160.015 | M24 x 80 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 175 | 550 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | 180.040 180.015 | M42 x 80 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 195 | 606 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | 200.046 200.017 | M42 x 80 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

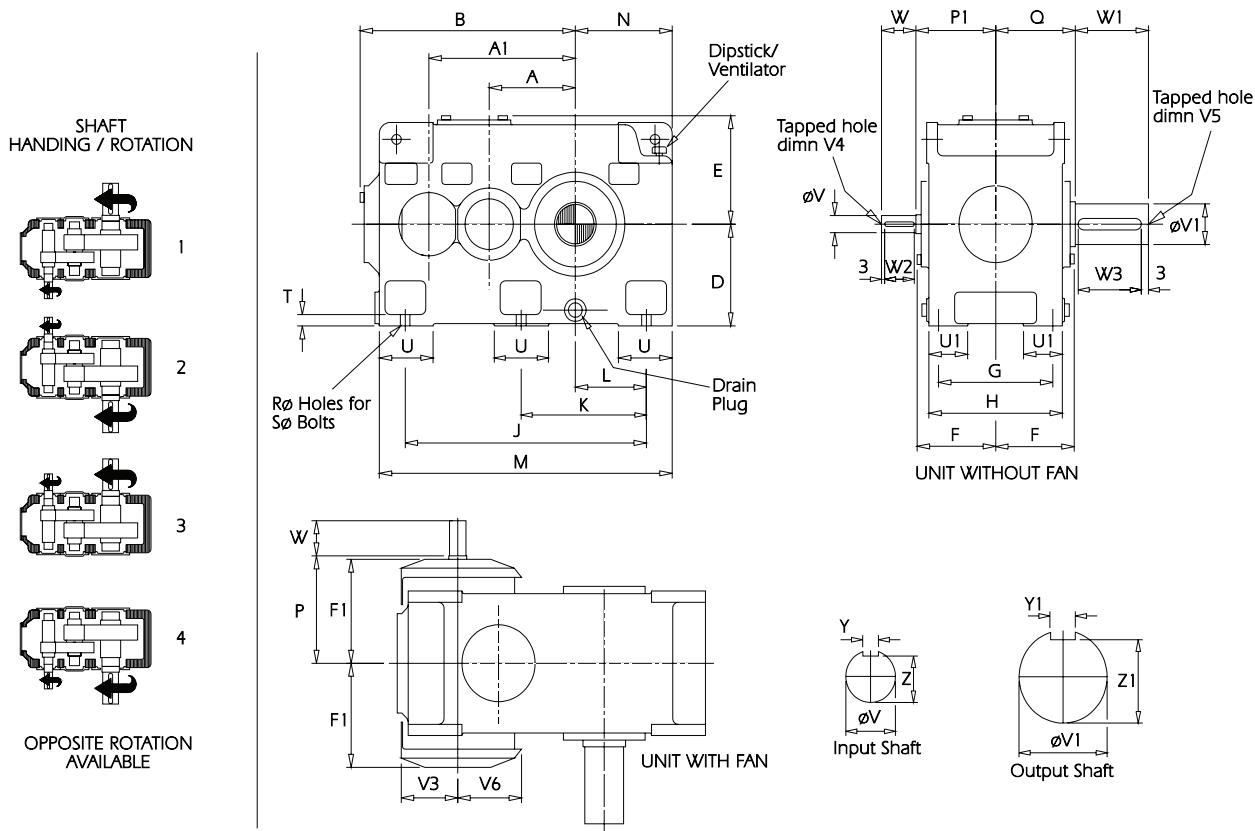
DIMENSIONS

DOUBLE REDUCTION

9512

H2

- HORIZONTAL FOOT MOUNTED UNIT WITH PARALLEL SHAFTS



| Unit Size | A | A1 | B | D | E | F | F1 | | | K | J | M | H | N | L | R | P1 | Q | R | S | T | U |
|------------|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|------|--------|----|-----|---|
| 140 | 140 | 240 | 364 | 160 | 174 | 135 | 180 | 190 | 224 | 405 | - | 120 | 495 | 165 | 185 | 140 | 140 | 13.5 | 4 x 12 | 20 | 100 | |
| 160 | 160 | 272 | 406 | 180 | 194 | 155 | 200 | 225 | 260 | 450 | - | 135 | 550 | 185 | 205 | 160 | 160 | 17.5 | 4 x 16 | 20 | 110 | |
| 180 | 180 | 305 | 449 | 200 | 214 | 173 | 220 | 250 | 290 | 505 | - | 147.5 | 610 | 200 | 225 | 175 | 175 | 17.5 | 4 x 16 | 25 | 120 | |
| 200 | 200 | 340 | 499 | 225 | 239 | 180 | 230 | 265 | 310 | 560 | - | 165 | 680 | 225 | 235 | 185 | 185 | 22 | 4 x 20 | 25 | 125 | |
| 225 | 225 | 385 | 567 | 250 | 267 | 203 | 255 | 280 | 340 | 630 | - | 185 | 760 | 250 | 260 | 205 | 205 | 22 | 4 x 20 | 30 | 130 | |
| 250 | 250 | 430 | 632 | 280 | 298 | 215 | 275 | 300 | 370 | 710 | - | 210 | 850 | 280 | 280 | 220 | 220 | 26 | 4 x 24 | 30 | 140 | |
| 280 | 280 | 480 | 687 | 315 | 327 | 237 | 300 | 335 | 410 | 800 | - | 240 | 950 | 315 | 305 | 240 | 240 | 26 | 4 x 24 | 35 | 160 | |
| 315 | 315 | 540 | 780 | 355 | 350 | 256 | 325 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 330 | 260 | 260 | 33 | 4 x 30 | 40 | 180 | |
| 355 | 355 | 605 | 870 | 400 | 405 | 286 | 360 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 365 | 290 | 290 | 33 | 6 x 30 | 50 | 200 | |
| 400 | 400 | 680 | 972 | 450 | 456 | 320 | 400 | 475 | 560 | 1060 | 600 | 350 | 1360 | 450 | 405 | 325 | 325 | 39 | 6 x 36 | 55 | 220 | |
| 450 | 450 | 765 | 1101 | 500 | 497 | 360 | 445 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 450 | 365 | 365 | 39 | 6 x 36 | 60 | 250 | |

| Unit Size | INPUT SHAFTS | | | | | | | OUTPUT SHAFTS | | | | | | | |
|------------|--------------|-----|-----|--------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | U1 | V3 | V6 | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 140 | 60 | 105 | 110 | 32.018 32.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 70.030 70.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 62.5 62.3 |
| 160 | 70 | 108 | 115 | 35.018 35.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 30.0 29.8 | 75.030 75.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 67.5 67.3 |
| 180 | 85 | 120 | 125 | 38.018 38.002 | M16 x 36 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 85.035 85.013 | M24 x 52 | 170 | 160 | 21.978 21.926 | 76.0 75.8 |
| 200 | 90 | 130 | 148 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 95 | 140 | 160 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 88.9 |
| 250 | 115 | 155 | 175 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 125 | 170 | 200 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 130 | 190 | 220 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 155 | 214 | 250 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 160.040 160.015 | M24 x 80 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 175 | 245 | 275 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 180.040 180.015 | M42 x 80 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 195 | 265 | 303 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 200.046 200.017 | M42 x 80 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

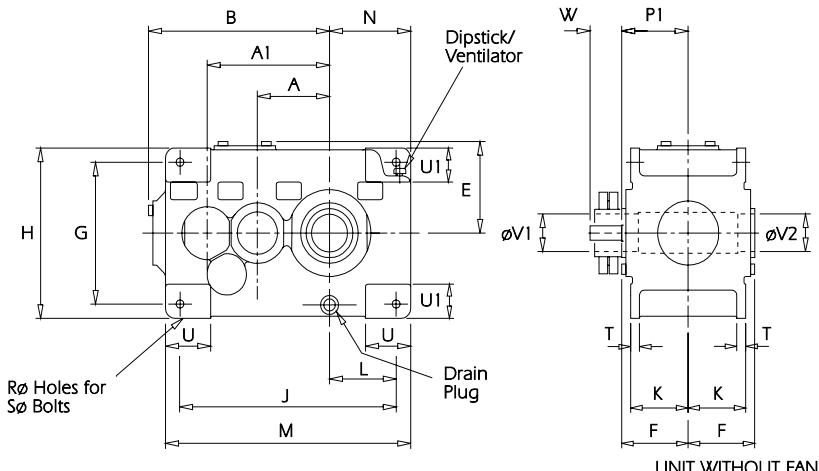
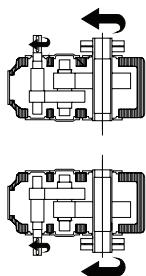
DIMENSIONS DOUBLE REDUCTION

9707

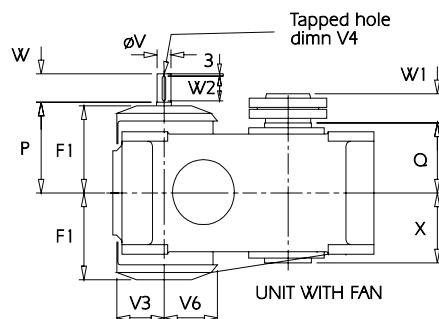
H2S

- HORIZONTAL SHAFT MOUNTED UNIT WITH PARALLEL SHAFTS

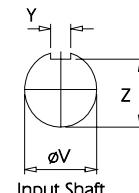
SHAFT
HANDING / ROTATION



UNIT WITHOUT FAN



UNIT WITH FAN



Input Shaft

| Unit Size | A | A1 | B | E | F | F1 | | | K | J | M | H | N | L | R | P1 | Q | R | S | T | U |
|------------|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|----|----|----|-----|---|
| 200 | 200 | 340 | 499 | 239 | 180 | 230 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 235 | 185 | 185 | 22 | 20 | 25 | 125 | |
| 225 | 225 | 385 | 567 | 267 | 203 | 255 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 260 | 205 | 205 | 22 | 20 | 30 | 130 | |
| 250 | 250 | 430 | 632 | 298 | 215 | 275 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 280 | 220 | 220 | 26 | 24 | 30 | 140 | |
| 280 | 280 | 480 | 687 | 327 | 237 | 300 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 305 | 240 | 240 | 26 | 24 | 35 | 160 | |
| 315 | 315 | 540 | 780 | 350 | 256 | 325 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 330 | 260 | 260 | 33 | 30 | 40 | 180 | |
| 355 | 355 | 605 | 870 | 405 | 286 | 360 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 365 | 290 | 290 | 33 | 30 | 45 | 200 | |
| 400 | 400 | 680 | 972 | 456 | 320 | 400 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 405 | 325 | 325 | 39 | 36 | 50 | 220 | |
| 450 | 450 | 765 | 1101 | 497 | 360 | 445 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 450 | 365 | 365 | 39 | 36 | 55 | 250 | |

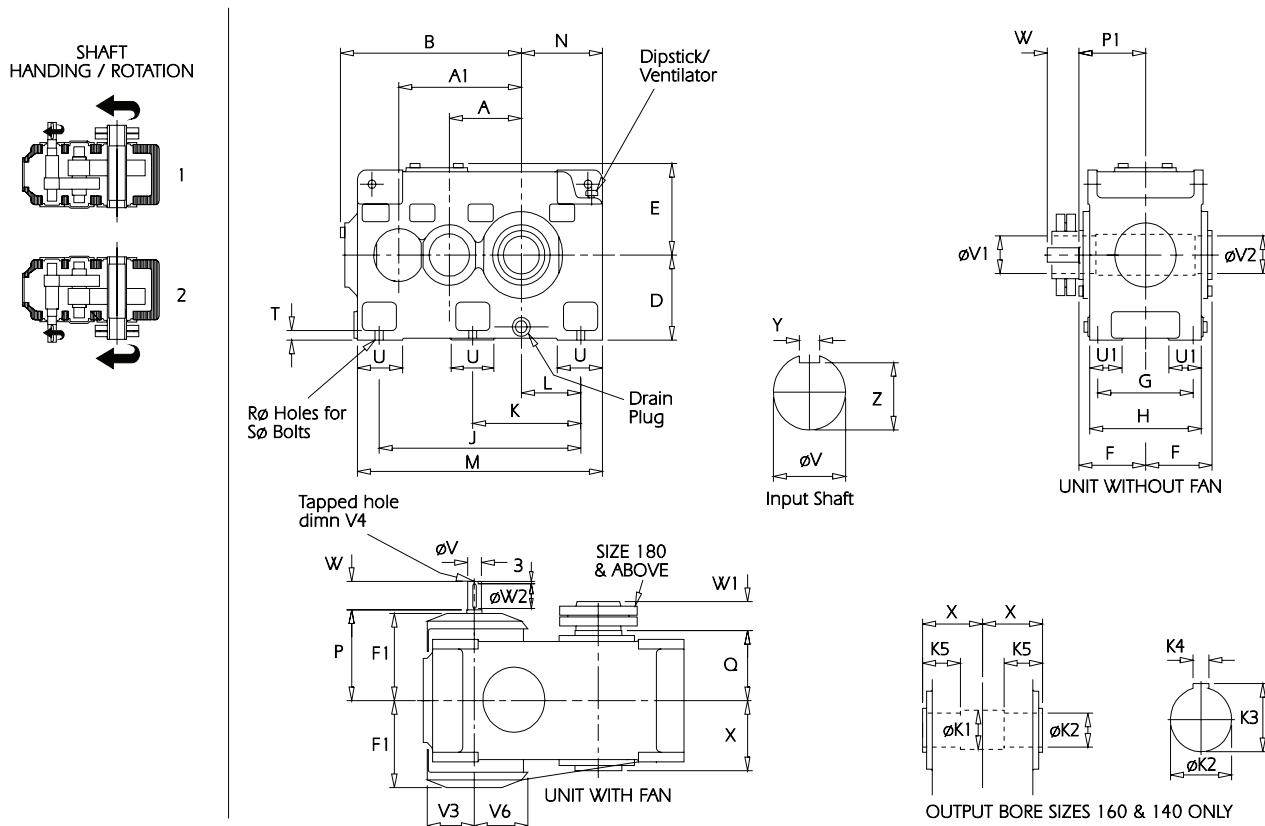
| Unit Size | INPUT SHAFTS | | | | | | | | | | OUTPUT SLEEVE BORES | | | |
|------------|--------------|-----|-----|-----|-----|--------------------|----------|-----|-----|------------------|---------------------|--------------------|--------------------|--|
| | U1 | V3 | V6 | W1 | X | V | V4 | W | W2 | Y | Z | V1 | V2 | |
| 200 | 90 | 130 | 148 | 70 | 185 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 95.035 95.000 | 100.047 100.012 | |
| 225 | 95 | 140 | 160 | 80 | 205 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 115.035 115.000 | 120.047 120.012 | |
| 250 | 115 | 155 | 175 | 90 | 220 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 125.040 125.000 | 130.054 130.014 | |
| 280 | 125 | 170 | 200 | 105 | 240 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 140.040 140.000 | 145.054 145.014 | |
| 315 | 130 | 190 | 220 | 110 | 260 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 160.040 160.000 | 165.054 165.014 | |
| 355 | 155 | 214 | 250 | 130 | 290 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 170.040 170.000 | 175.054 175.014 | |
| 400 | 175 | 245 | 275 | 150 | 325 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 190.046 190.000 | 200.061 200.015 | |
| 450 | 195 | 265 | 303 | 160 | 365 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 220.046 220.000 | 230.061 230.015 | |

DIMENSIONS DOUBLE REDUCTION

9707

H2SF

- HORIZONTAL FOOT & SHAFT MOUNTED UNIT WITH PARALLEL SHAFTS



| Unit Size | A | A1 | B | D | E | F | F1 | G | | | L | K | N | JP | M | P | H | Q | R | S | T | U | U1 | V3 | V6 | W1 | X |
|------------|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|------|------|----|-----|-----|-----|-----|-----|-----|---|
| 140 | 140 | 240 | 364 | 160 | 174 | 135 | 180 | 190 | 224 | 405 | - | 120 | 495 | 165 | 185 | 140 | - | 13.5 | 4x12 | 20 | 100 | 60 | 105 | 110 | - | 140 | |
| 160 | 160 | 272 | 406 | 180 | 194 | 155 | 200 | 225 | 260 | 450 | - | 135 | 550 | 185 | 205 | 160 | - | 17.5 | 4x16 | 20 | 110 | 70 | 108 | 115 | - | 160 | |
| 180 | 180 | 305 | 449 | 200 | 214 | 173 | 220 | 250 | 290 | 505 | - | 147.5 | 610 | 200 | 225 | 175 | 175 | 17.5 | 4x16 | 25 | 120 | 85 | 120 | 125 | 65 | 175 | |
| 200 | 200 | 340 | 499 | 225 | 239 | 180 | 230 | 265 | 310 | 560 | - | 165 | 680 | 225 | 235 | 185 | 185 | 22 | 4x20 | 25 | 125 | 90 | 130 | 148 | 70 | 185 | |
| 225 | 225 | 385 | 567 | 250 | 267 | 203 | 255 | 280 | 340 | 630 | - | 185 | 760 | 250 | 260 | 205 | 205 | 22 | 4x20 | 30 | 130 | 95 | 140 | 160 | 80 | 205 | |
| 250 | 250 | 430 | 632 | 280 | 298 | 215 | 275 | 300 | 370 | 710 | - | 210 | 850 | 280 | 280 | 220 | 220 | 26 | 4x24 | 30 | 140 | 115 | 155 | 175 | 90 | 220 | |
| 280 | 280 | 480 | 687 | 315 | 327 | 237 | 300 | 335 | 410 | 800 | - | 240 | 950 | 315 | 305 | 240 | 240 | 26 | 4x24 | 35 | 160 | 125 | 170 | 200 | 105 | 240 | |
| 315 | 315 | 540 | 780 | 355 | 350 | 256 | 325 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 330 | 260 | 260 | 33 | 4x30 | 40 | 180 | 130 | 190 | 220 | 110 | 260 | |
| 355 | 355 | 605 | 870 | 400 | 405 | 286 | 360 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 365 | 290 | 290 | 33 | 6x30 | 50 | 200 | 155 | 214 | 250 | 130 | 290 | |
| 400 | 400 | 680 | 972 | 450 | 456 | 320 | 400 | 475 | 560 | 1060 | 600 | 350 | 1360 | 450 | 405 | 325 | 325 | 39 | 6x36 | 55 | 220 | 175 | 245 | 275 | 150 | 325 | |
| 450 | 450 | 765 | 1101 | 500 | 497 | 360 | 445 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 450 | 365 | 365 | 39 | 6x36 | 60 | 250 | 195 | 265 | 303 | 160 | 365 | |

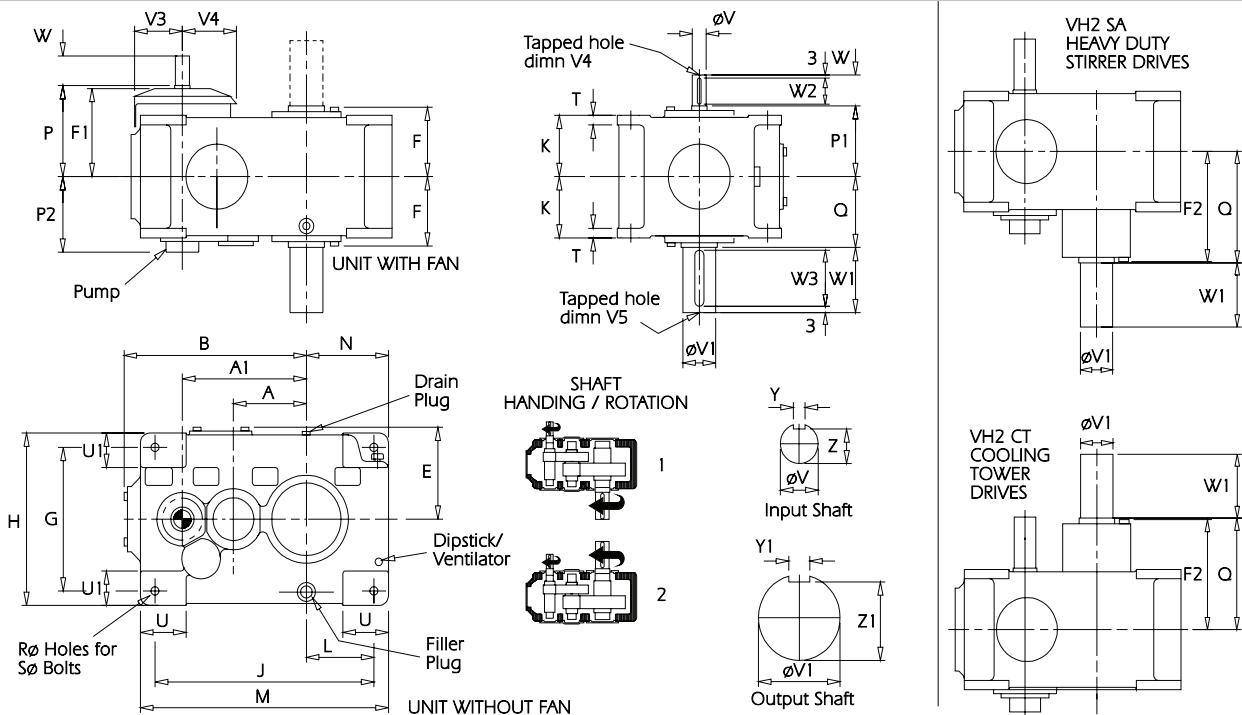
| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SLEEVE BORES | | | | | | | | | |
|------------|--------------------|----------|-----|-----|------------------|--------------|---------------------|------------------|--------------|------------------|----|--------------------|--------------------|--|--|--|
| | V | V4 | W | W2 | Y | Z | K1 | K2 | K3 | K4 | K5 | V1 | V2 | | | |
| 140 | 32.018 32.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 76 | 75.060 75.030 | 80.1 79.9 | 20.026 19.974 | 75 | - | - | | | |
| 160 | 35.018 35.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 30.0 29.8 | 86 | 85.071 85.036 | 90.6 90.4 | 22.026 21.974 | 85 | - | - | | | |
| 180 | 38.018 38.002 | M16 x 36 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | - | - | - | - | - | 85.035 85.000 | 90.047 90.012 | | | |
| 200 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | - | - | - | - | - | 95.035 95.000 | 100.047 100.012 | | | |
| 225 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | - | - | - | - | - | 115.035 115.000 | 120.047 120.012 | | | |
| 250 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | - | - | - | - | - | 125.040 125.000 | 130.054 130.014 | | | |
| 280 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | - | - | - | - | - | 140.040 140.000 | 145.054 145.014 | | | |
| 315 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | - | - | - | - | - | 160.040 160.000 | 165.054 165.014 | | | |
| 355 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | - | - | - | - | - | 170.040 170.000 | 175.054 175.014 | | | |
| 400 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | - | - | - | - | - | 190.046 190.000 | 200.061 200.015 | | | |
| 450 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | - | - | - | - | - | 220.046 220.000 | 230.061 230.015 | | | |

DIMENSIONS DOUBLE REDUCTION

9707

VH2

- VERTICAL MOUNTED UNIT WITH PARALLEL SHAFTS



| Unit Size | A | A1 | B | E | F | F1 | G | | | L | K | N | J | P | M | PH | P2 | Q | R | S | T | U | U1 |
|------------|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|-----|----|----|----|-----|-----|----|
| 200 | 200 | 340 | 499 | 244 | 180 | 230 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 235 | 185 | 224 | 185 | 22 | 20 | 25 | 125 | 90 | |
| 225 | 225 | 385 | 567 | 274 | 203 | 255 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 260 | 205 | 245 | 205 | 22 | 20 | 30 | 130 | 95 | |
| 250 | 250 | 430 | 632 | 305 | 215 | 275 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 280 | 220 | 260 | 220 | 26 | 24 | 30 | 140 | 115 | |
| 280 | 280 | 480 | 687 | 334 | 237 | 300 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 305 | 240 | 280 | 240 | 26 | 24 | 35 | 160 | 125 | |
| 315 | 315 | 540 | 780 | 358 | 256 | 325 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 330 | 260 | 310 | 260 | 33 | 30 | 40 | 180 | 130 | |
| 355 | 355 | 605 | 870 | 413 | 286 | 360 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 365 | 290 | 335 | 290 | 33 | 30 | 45 | 200 | 155 | |
| 400 | 400 | 680 | 972 | 464 | 320 | 400 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 405 | 325 | 380 | 325 | 39 | 36 | 50 | 220 | 175 | |
| 450 | 450 | 765 | 1101 | 507 | 360 | 445 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 450 | 365 | 420 | 365 | 39 | 36 | 55 | 250 | 195 | |

| Unit Size | INPUT SHAFTS Ratios 5.60 - 14.0 | | | | | | INPUT SHAFTS Ratios 15.4 - 25.6 | | | | | | OUTPUT SHAFTS | | | | | |
|------------|---------------------------------|----------|-----|-----|------------------|--------------|---------------------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | V | V4 | W | W2 | Y | Z | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W2 | Y1 | Z |
| 200 | 38.018 38.002 | M12 x 25 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 45.018 45.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 38.018 38.002 | M12 x 25 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 55.030 55.011 | M20 x 40 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 45.018 45.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 65.030 65.011 | M20 x 40 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 50.018 50.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 75.030 75.011 | M20 x 40 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 60.030 60.011 | M20 x 40 | 140 | 130 | 17.982 17.939 | 53.0 52.8 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 65.030 65.011 | M20 x 40 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 75.030 75.011 | M20 x 40 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

| Unit Size | HEAVY DUTTER DRIVES | | | | | | | COOLING TOWER DRIVES | | | | | | | |
|------------|---------------------|-----|--------------------|----------|-----|-----|------------------|----------------------|-----|-----|--------------------|----------|-------|------------------|----------------|
| | F2 | Q | V1 | V5 | W1 | W3 | Y1 | Z1 | F2 | Q | V1 | V5 | W1/W2 | Y1 | Z1 |
| 200 | 295 | 300 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 290 | 295 | 90.035 90.013 | M24 x 50 | | 24.978 24.926 | 81.0 80.8 |
| 225 | 330 | 335 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 | 325 | 330 | 100.035 100.013 | M24 x 50 | | 27.978 27.926 | 90.0 89.8 |
| 250 | 355 | 360 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | 350 | 355 | 110.035 110.013 | M24 x 50 | | 27.978 27.926 | 100.0 99.8 |
| 280 | 390 | 395 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | 385 | 390 | 125.040 125.015 | M36 x 70 | | 31.974 31.912 | 114.0 113.8 |
| 315 | 435 | 440 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 | 425 | 430 | 140.040 140.015 | M36 x 70 | | 35.974 35.912 | 128.0 127.7 |
| 355 | 470 | 475 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 | 465 | 470 | 160.040 160.015 | M36 x 70 | | 39.974 39.912 | 147.0 146.7 |
| 400 | 535 | 540 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 | 525 | 530 | 180.040 180.015 | M36 x 70 | | 44.974 44.912 | 165.0 164.7 |
| 450 | 600 | 605 | 220.046 220.017 | M45 x 85 | 350 | 340 | 49.974 49.912 | 203.0 202.7 | 595 | 600 | 200.046 200.017 | M36 x 70 | | 44.974 44.912 | 185.0 184.7 |

To suit customers
fan requirements

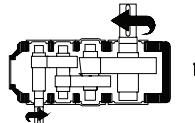
DIMENSIONS TRIPLE REDUCTION

9512

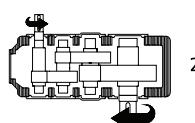
H3

- HORIZONTAL FOOT MOUNTED UNIT WITH PARALLEL SHAFTS

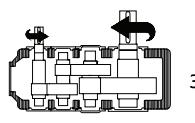
SHAFT
HANDING / ROTATION



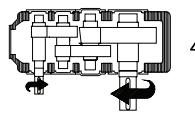
1



2

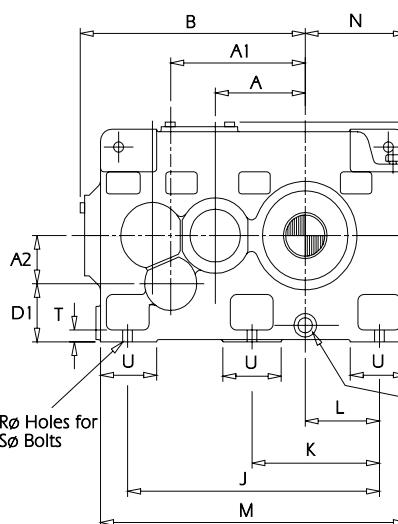


3



4

OPPOSITE ROTATION
AVAILABLE



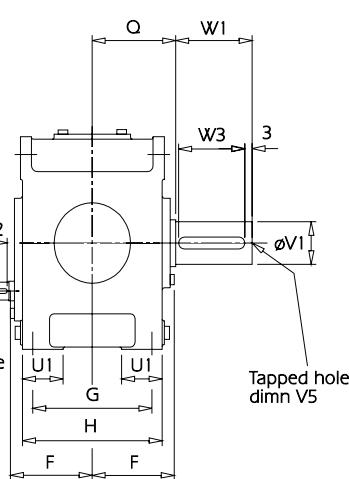
Dipstick/
Ventilator

Drain
Plug

Rø Holes for
Sø Bolts

Tapped hole
dimm V4

Tapped hole
dimm V5



Y

Z

Y1

Z1

Input Shaft

Output Shaft

A1 Horizontally from input line to output line

A2 Vertically from input line to output line

D1 Vertically from base line to input line

| Unit Size | A | A1 | A2 | B | D | D1 | E | F | F1* | G | H | | K | L | J | M | N | P1 | Q | R | S |
|------------|-----|-------|-----|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|------|--------|---|
| 140 | 140 | 320 | 0 | 434 | 160 | 160 | 174 | 135 | 180 | 190 | 224 | 490 | - | 120 | 580 | 165 | 140 | 140 | 13.5 | 4 x 12 | |
| 160 | 160 | 362 | 0 | 481 | 180 | 180 | 194 | 155 | 200 | 225 | 260 | 540 | - | 135 | 640 | 185 | 160 | 160 | 17.5 | 4 x 16 | |
| 180 | 180 | 405 | 0 | 529 | 200 | 200 | 214 | 173 | 220 | 250 | 290 | 600 | - | 147.5 | 705 | 200 | 175 | 175 | 17.5 | 4 x 16 | |
| 200 | 200 | 296 | 103 | 499 | 225 | 122 | 239 | 180 | 230 | 265 | 310 | 560 | - | 165 | 680 | 225 | 185 | 185 | 22 | 4 x 20 | |
| 225 | 225 | 343.8 | 118 | 567 | 250 | 132 | 267 | 203 | 255 | 280 | 340 | 630 | - | 185 | 760 | 250 | 205 | 205 | 22 | 4 x 20 | |
| 250 | 250 | 378 | 130 | 632 | 280 | 150 | 298 | 215 | 275 | 300 | 370 | 710 | - | 210 | 850 | 280 | 220 | 220 | 26 | 4 x 24 | |
| 280 | 280 | 419.2 | 148 | 687 | 315 | 167 | 327 | 237 | 300 | 335 | 410 | 800 | - | 240 | 950 | 315 | 240 | 240 | 26 | 4 x 24 | |
| 315 | 315 | 468 | 165 | 780 | 355 | 190 | 350 | 256 | 325 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 260 | 260 | 33 | 4 x 30 | |
| 355 | 355 | 536.8 | 188 | 870 | 400 | 212 | 405 | 286 | 360 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 290 | 290 | 33 | 6 x 30 | |
| 400 | 400 | 596.7 | 209 | 972 | 450 | 241 | 456 | 320 | 400 | 475 | 560 | 1060 | 600 | 350 | 1360 | 450 | 325 | 325 | 39 | 6 x 36 | |
| 450 | 450 | 679.7 | 235 | 1101 | 500 | 265 | 497 | 360 | 445 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 365 | 365 | 39 | 6 x 36 | |

| Unit Size | INPUT SHAFTS | | | | | | | | OUTPUT SHAFTS | | | | | | | |
|------------|--------------|-----|-----|------------------|----------|-----|-----|------------------|---------------|--------------------|----------|-----|-----|------------------|----------------|--|
| | T | U | U1 | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 | |
| 140 | 20 | 100 | 60 | 19.009 18.996 | M6 x 16 | 40 | 34 | 5.988 5.958 | 15.5 15.4 | 70.030 70.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 62.5 62.3 | |
| 160 | 20 | 110 | 70 | 22.009 21.996 | M6 x 16 | 50 | 43 | 5.988 5.958 | 18.5 18.4 | 75.030 75.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | |
| 180 | 25 | 120 | 85 | 25.009 24.996 | M6 x 16 | 60 | 53 | 7.985 7.949 | 21.0 20.8 | 85.035 85.013 | M24 x 52 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | |
| 200 | 25 | 125 | 90 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | |
| 225 | 30 | 130 | 95 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | |
| 250 | 30 | 140 | 115 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 | |
| 280 | 35 | 160 | 125 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | |
| 315 | 40 | 180 | 130 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | |
| 355 | 50 | 200 | 155 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 160.040 160.015 | M42 x 80 | 300 | 290 | 39.974 39.912 | 147.0 146.7 | |
| 400 | 55 | 220 | 175 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 180.040 180.015 | M42 x 80 | 300 | 290 | 44.974 44.912 | 165.0 164.7 | |
| 450 | 60 | 250 | 195 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 200.046 200.017 | M42 x 80 | 350 | 340 | 44.974 44.912 | 185.0 184.7 | |

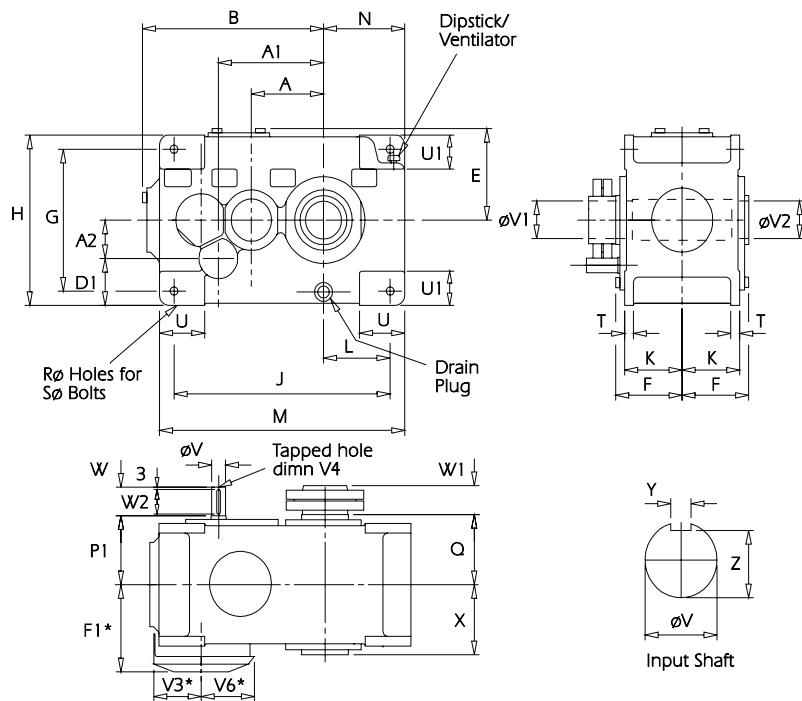
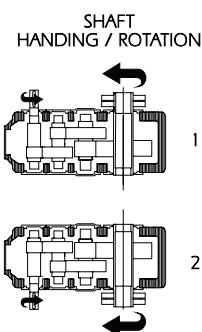
* Fan can be fitted for ratios 20.9 to 70.6

DIMENSIONS TRIPLE REDUCTION

9707

H3S

- HORIZONTAL SHAFT MOUNTED UNIT WITH PARALLEL SHAFTS



| Unit Size | A | A1 | A2 | B | D1 | E | F | F1* | V | W | W1 | X | Y | Z | Pg | R | S | Q | T | |
|------------|-----|-------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|----|----|----|
| 200 | 200 | 296 | 103 | 499 | 122 | 239 | 180 | 230 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 185 | 185 | 22 | 20 | 25 |
| 225 | 225 | 343.8 | 118 | 567 | 132 | 267 | 203 | 255 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 205 | 205 | 22 | 20 | 30 |
| 250 | 250 | 378 | 130 | 632 | 150 | 298 | 215 | 275 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 220 | 220 | 26 | 24 | 30 |
| 280 | 280 | 419.2 | 148 | 687 | 162 | 327 | 237 | 300 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 240 | 240 | 26 | 24 | 35 |
| 315 | 315 | 468 | 165 | 780 | 165 | 350 | 256 | 325 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 260 | 260 | 33 | 30 | 40 |
| 355 | 355 | 536.8 | 188 | 870 | 197 | 405 | 286 | 360 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 290 | 290 | 33 | 30 | 45 |
| 400 | 400 | 596.7 | 209 | 972 | 226 | 456 | 320 | 400 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 325 | 325 | 39 | 36 | 50 |
| 450 | 450 | 679.7 | 235 | 1101 | 235 | 497 | 360 | 445 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 365 | 365 | 39 | 36 | 55 |

| Unit Size | INPUT SHAFTS | | | | | | | | | | OUTPUT SLEEVE BORES | | | |
|------------|--------------|-----|-----|-----|-----|-----|------------------|----------|-----|-----|---------------------|--------------|--------------------|--------------------|
| | U | U1 | V3* | V6* | W1 | X | V | V4 | W | W2 | Y | Z | V1 | V2 |
| 200 | 125 | 90 | 130 | 148 | 70 | 185 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 95.035 95.000 | 100.047 100.012 |
| 225 | 130 | 95 | 140 | 160 | 80 | 205 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 115.035 115.000 | 120.047 120.012 |
| 250 | 140 | 115 | 155 | 175 | 90 | 220 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 125.040 125.000 | 130.054 130.014 |
| 280 | 160 | 125 | 170 | 200 | 105 | 240 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 140.040 140.000 | 145.054 145.014 |
| 315 | 180 | 130 | 190 | 220 | 110 | 260 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 160.040 160.000 | 165.054 165.014 |
| 355 | 200 | 155 | 214 | 250 | 130 | 290 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 170.040 170.000 | 175.054 175.014 |
| 400 | 220 | 175 | 245 | 275 | 150 | 325 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 190.046 190.000 | 200.061 200.015 |
| 450 | 250 | 195 | 265 | 303 | 160 | 365 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 220.046 220.000 | 230.061 230.015 |

* Fan can be fitted for ratios 20.9 to 70.6

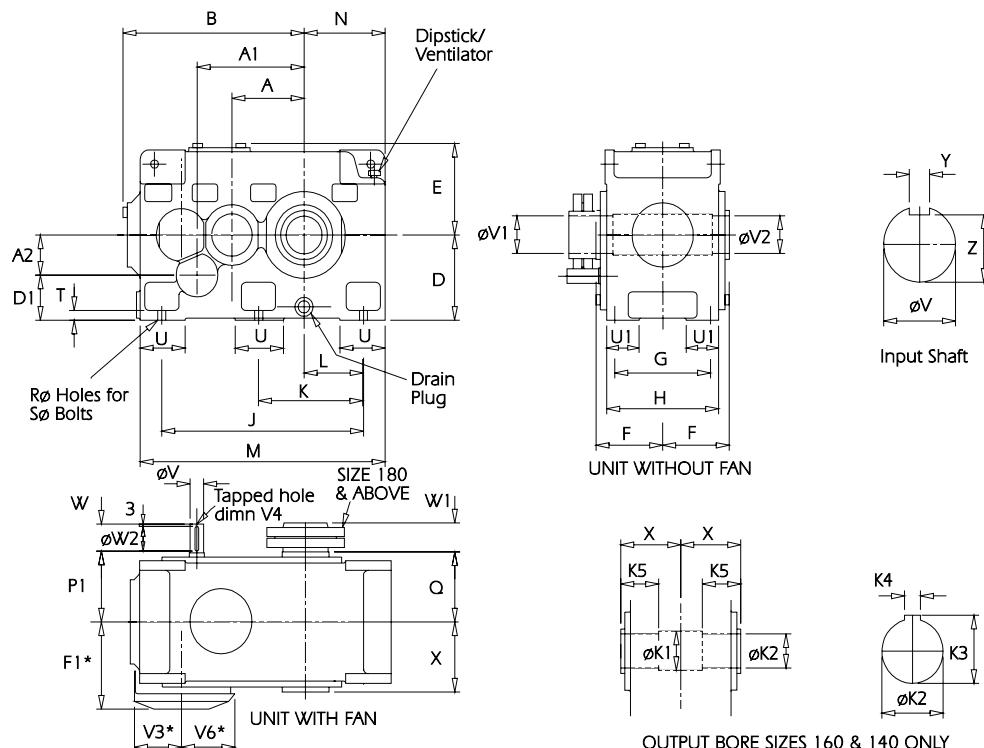
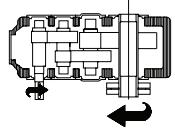
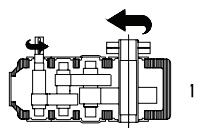
DIMENSIONS TRIPLE REDUCTION

9512

H3SF

- HORIZONTAL FOOT & SHAFT MOUNTED UNIT WITH PARALLEL SHAFTS

SHAFT
HANDING / ROTATION



A1 Horizontally from input line to output line

A2 Vertically from input line to output line

D1 Vertically from base line to input line

| Unit Size | A | A1 | A2 | B | D | D1 | E | F | F1* | G | H | J | L | M | K | N | P1 | Q | R | S | T | U | U1 | V3* | V6* | X |
|------------|-----|-------|-----|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|------|------|----|-----|-----|-----|-----|-----|
| 140 | 140 | 320 | 0 | 434 | 160 | 160 | 174 | 135 | 180 | 190 | 224 | 490 | - | 120 | 580 | 165 | 140 | - | 13.5 | 4x12 | 20 | 100 | 60 | - | - | 140 |
| 160 | 160 | 362 | 0 | 481 | 180 | 180 | 194 | 155 | 200 | 225 | 260 | 540 | - | 135 | 640 | 185 | 160 | - | 17.5 | 4x16 | 20 | 110 | 70 | - | - | 160 |
| 180 | 180 | 405 | 0 | 529 | 200 | 200 | 214 | 173 | 220 | 250 | 290 | 600 | - | 147.5 | 705 | 200 | 175 | 175 | 17.5 | 4x16 | 25 | 120 | 85 | - | - | 180 |
| 200 | 200 | 296 | 103 | 499 | 225 | 122 | 239 | 180 | 230 | 265 | 310 | 560 | - | 165 | 680 | 225 | 185 | 185 | 22 | 4x20 | 25 | 125 | 90 | 130 | 148 | 185 |
| 225 | 225 | 343.8 | 118 | 567 | 250 | 132 | 267 | 203 | 255 | 280 | 340 | 630 | - | 185 | 760 | 250 | 205 | 205 | 22 | 4x20 | 30 | 130 | 95 | 140 | 160 | 205 |
| 250 | 250 | 378 | 130 | 632 | 280 | 150 | 298 | 215 | 275 | 300 | 370 | 710 | - | 210 | 850 | 280 | 220 | 220 | 26 | 4x24 | 30 | 140 | 115 | 155 | 175 | 220 |
| 280 | 280 | 419.2 | 148 | 687 | 315 | 167 | 327 | 237 | 300 | 335 | 410 | 800 | - | 240 | 950 | 315 | 240 | 240 | 26 | 4x24 | 35 | 160 | 125 | 170 | 200 | 240 |
| 315 | 315 | 468 | 165 | 780 | 355 | 190 | 350 | 256 | 325 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 260 | 260 | 33 | 4x30 | 40 | 180 | 130 | 190 | 220 | 260 |
| 355 | 355 | 536.8 | 188 | 870 | 400 | 212 | 405 | 286 | 360 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 290 | 290 | 33 | 6x30 | 50 | 200 | 155 | 214 | 250 | 290 |
| 400 | 400 | 596.7 | 209 | 972 | 450 | 241 | 456 | 320 | 400 | 475 | 560 | 1060 | 600 | 350 | 1360 | 450 | 325 | 325 | 39 | 6x36 | 55 | 220 | 175 | 245 | 275 | 325 |
| 450 | 450 | 679.7 | 235 | 1101 | 500 | 265 | 497 | 360 | 445 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 365 | 365 | 39 | 6x36 | 60 | 250 | 195 | 265 | 303 | 365 |

| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SLEEVE BORES | | | | | | | |
|------------|--------------|------------------|----------|-----|-----|------------------|---------------------|----|------------------|--------------|------------------|----|--------------------|--------------------|
| | W1 | V | V4 | W | W2 | Y | Z | K1 | K2 | K3 | K4 | K5 | V1 | V2 |
| 140 | - | 19.009 18.996 | M6 x 16 | 40 | 34 | 5.988 5.958 | 15.5 15.4 | 76 | 75.060 75.030 | 80.1 79.9 | 20.026 19.974 | 75 | - | - |
| 160 | - | 22.009 21.996 | M6 x 16 | 50 | 43 | 5.988 5.958 | 18.5 18.4 | 86 | 85.071 85.036 | 90.6 90.4 | 22.026 21.974 | 85 | - | - |
| 180 | 65 | 25.009 24.996 | M6 x 16 | 60 | 53 | 7.985 9.949 | 21.0 20.8 | - | - | - | - | - | 85.035 85.000 | 90.047 90.012 |
| 200 | 70 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | - | - | - | - | - | 95.035 95.000 | 100.047 100.012 |
| 225 | 80 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | - | - | - | - | - | 115.035 115.000 | 120.047 120.012 |
| 250 | 90 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | - | - | - | - | - | 125.040 125.000 | 130.054 130.014 |
| 280 | 105 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | - | - | - | - | - | 140.040 140.000 | 145.054 145.014 |
| 315 | 110 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | - | - | - | - | - | 160.040 160.000 | 165.054 165.014 |
| 355 | 130 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | - | - | - | - | - | 170.040 170.000 | 175.054 175.014 |
| 400 | 150 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | - | - | - | - | - | 190.046 190.000 | 200.061 200.015 |
| 450 | 160 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | - | - | - | - | - | 220.046 220.000 | 230.061 230.015 |

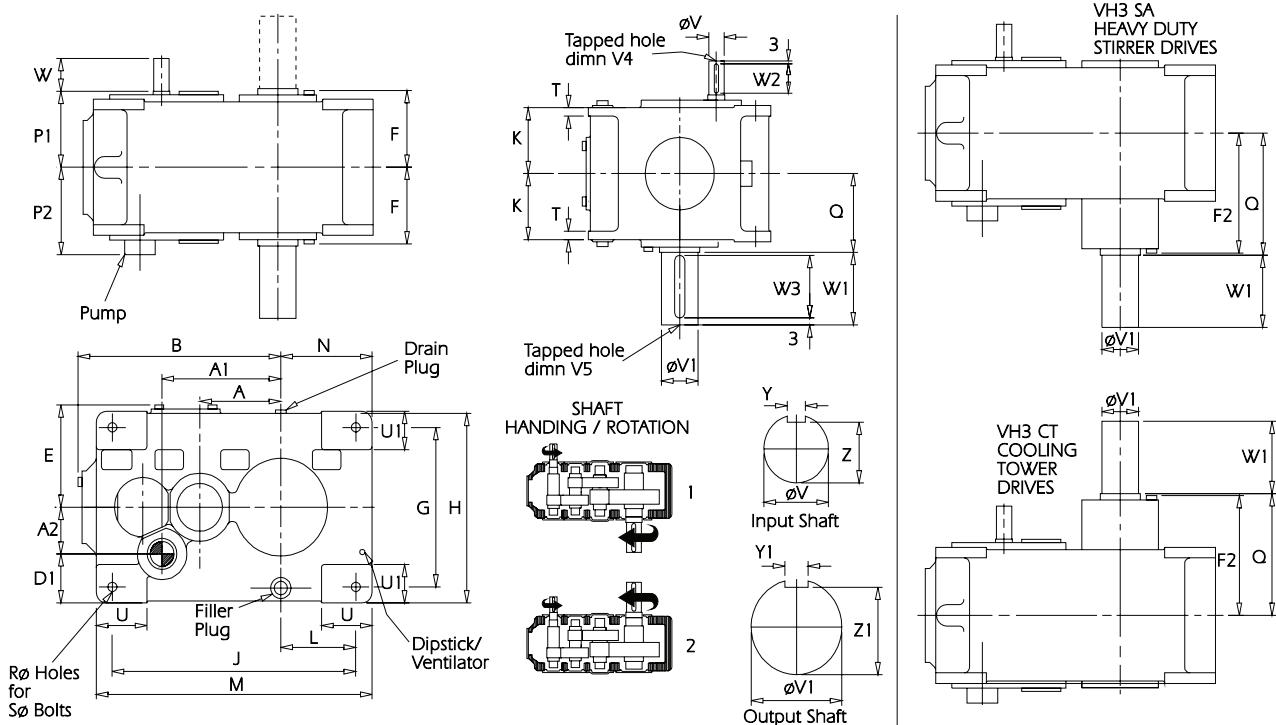
* Fan can be fitted for ratios 20.9 to 70.6 only

DIMENSIONS TRIPLE REDUCTION

9707

VH3

- VERTICAL MOUNTED UNIT WITH PARALLEL SHAFTS



| Unit Size | A | A1 | A2 | B | D1 | E | F | | K | J | M | H | N | L | P6 | P2 | Q | R | S | T | U | U1 |
|------------|-----|-------|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|----|----|----|-----|-----|
| 200 | 200 | 296 | 103 | 499 | 122 | 244 | 180 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 185 | 224 | 185 | 22 | 20 | 25 | 125 | 90 |
| 225 | 225 | 343.8 | 118 | 567 | 132 | 274 | 203 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 205 | 245 | 205 | 22 | 20 | 30 | 130 | 95 |
| 250 | 250 | 378 | 130 | 632 | 150 | 305 | 215 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 220 | 260 | 220 | 26 | 24 | 30 | 140 | 115 |
| 280 | 280 | 419.2 | 148 | 687 | 162 | 334 | 237 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 240 | 280 | 240 | 26 | 24 | 35 | 160 | 125 |
| 315 | 315 | 468 | 165 | 780 | 165 | 358 | 256 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 260 | 310 | 260 | 33 | 30 | 40 | 180 | 130 |
| 355 | 355 | 536.8 | 188 | 870 | 197 | 413 | 286 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 290 | 335 | 290 | 33 | 30 | 45 | 200 | 155 |
| 400 | 400 | 596.7 | 209 | 972 | 226 | 464 | 320 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 325 | 380 | 325 | 39 | 36 | 50 | 220 | 175 |
| 450 | 450 | 679.7 | 235 | 1101 | 235 | 507 | 360 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 365 | 420 | 365 | 39 | 36 | 55 | 250 | 195 |

| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SHAFTS | | | | | |
|------------|------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 200 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 38.018 38.002 | M12 x 25 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 45.018 45.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 50.018 50.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 55.030 55.011 | M20 x 40 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 65.030 65.011 | M20 x 40 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 75.030 75.011 | M20 x 40 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

| Unit Size | HEAVY DUTTER DRIVES | | | | | | | COOLING TOWER DRIVES | | | | | | | |
|------------|---------------------|-----|--------------------|----------|-----|-----|------------------|----------------------|-----|-----|--------------------|----------|-------|------------------|----------------|
| | F2 | Q | V1 | V5 | W1 | W3 | Y1 | Z1 | F2 | Q | V1 | V5 | W1/W2 | Y1 | Z1 |
| 200 | 295 | 300 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 290 | 295 | 90.035 90.013 | M24 x 50 | | 24.978 24.926 | 81.0 80.8 |
| 225 | 330 | 335 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 99.8 | 325 | 330 | 100.035 100.013 | M24 x 50 | | 27.978 27.926 | 90.0 89.8 |
| 250 | 355 | 360 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | 350 | 355 | 110.035 110.013 | M24 x 50 | | 27.978 27.926 | 100.0 99.8 |
| 280 | 390 | 395 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | 385 | 390 | 125.040 125.015 | M36 x 70 | | 31.974 31.912 | 114.0 113.8 |
| 315 | 435 | 440 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 | 425 | 430 | 140.040 140.015 | M36 x 70 | | 35.974 35.912 | 128.0 127.7 |
| 355 | 470 | 475 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 | 465 | 470 | 160.040 160.015 | M36 x 70 | | 39.974 39.912 | 147.0 146.7 |
| 400 | 535 | 540 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 | 525 | 530 | 180.040 180.015 | M36 x 70 | | 44.974 44.912 | 165.0 164.7 |
| 450 | 600 | 605 | 220.046 220.017 | M45 x 85 | 350 | 340 | 49.974 49.912 | 203.0 202.7 | 595 | 600 | 200.046 200.017 | M36 x 70 | | 44.974 44.912 | 185.0 184.7 |

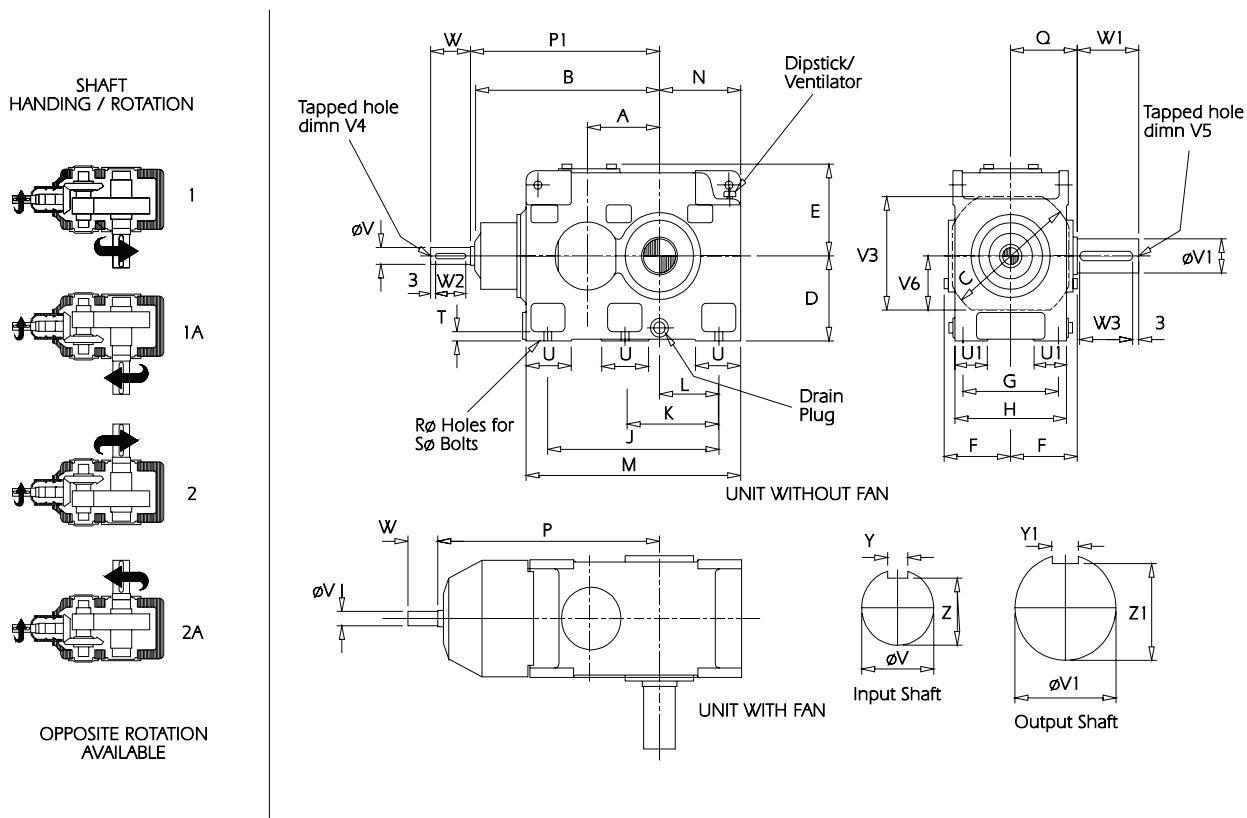
To suit customers
fan requirements

DIMENSIONS DOUBLE REDUCTION

9512

B2

- HORIZONTAL FOOT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



| Unit Size | A | | | | F | G | E | D | C | L | B | K | N | J | P | M | P1 | Q | R | S | T | U |
|------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|------|--------|----|-----|---|---|
| 140 | 140 | 390 | 300 | 160 | 174 | 135 | 190 | 224 | 335 | - | 120 | 425 | 165 | 435 | 395 | 140 | 13.5 | 4 x 12 | 20 | 100 | | |
| 160 | 160 | 430 | 350 | 180 | 194 | 155 | 225 | 260 | 375 | - | 135 | 475 | 185 | 475 | 435 | 160 | 17.5 | 4 x 16 | 20 | 110 | | |
| 180 | 180 | 480 | 375 | 200 | 214 | 173 | 250 | 290 | 425 | - | 147.5 | 530 | 200 | 530 | 485 | 175 | 17.5 | 4 x 16 | 25 | 120 | | |
| 200 | 200 | 520 | 400 | 225 | 239 | 180 | 265 | 310 | 475 | - | 165 | 595 | 225 | 575 | 525 | 185 | 22 | 4 x 20 | 25 | 125 | | |
| 225 | 225 | 575 | 445 | 250 | 267 | 203 | 280 | 340 | 530 | - | 185 | 660 | 250 | 635 | 580 | 205 | 22 | 4 x 20 | 30 | 130 | | |
| 250 | 250 | 630 | 480 | 280 | 298 | 215 | 300 | 370 | 600 | - | 210 | 740 | 280 | 695 | 635 | 220 | 26 | 4 x 24 | 30 | 140 | | |
| 280 | 280 | 715 | 520 | 315 | 327 | 237 | 335 | 410 | 670 | - | 240 | 820 | 315 | 785 | 720 | 240 | 26 | 4 x 24 | 35 | 160 | | |
| 315 | 315 | 800 | 560 | 355 | 350 | 256 | 375 | 450 | 750 | - | 270 | 920 | 355 | 875 | 805 | 260 | 33 | 4 x 30 | 40 | 180 | | |
| 355 | 355 | 870 | 630 | 400 | 405 | 286 | 425 | 500 | 865 | 530 | 305 | 1055 | 400 | 950 | 875 | 290 | 33 | 6 x 30 | 50 | 200 | | |
| 400 | 400 | 990 | 700 | 450 | 456 | 320 | 475 | 560 | 1000 | 600 | 350 | 1200 | 450 | 1075 | 995 | 325 | 39 | 6 x 36 | 55 | 220 | | |
| 450 | 450 | 1100 | 780 | 500 | 497 | 360 | 530 | 640 | 1120 | 670 | 395 | 1330 | 500 | 1190 | 1105 | 365 | 39 | 6 x 36 | 60 | 250 | | |

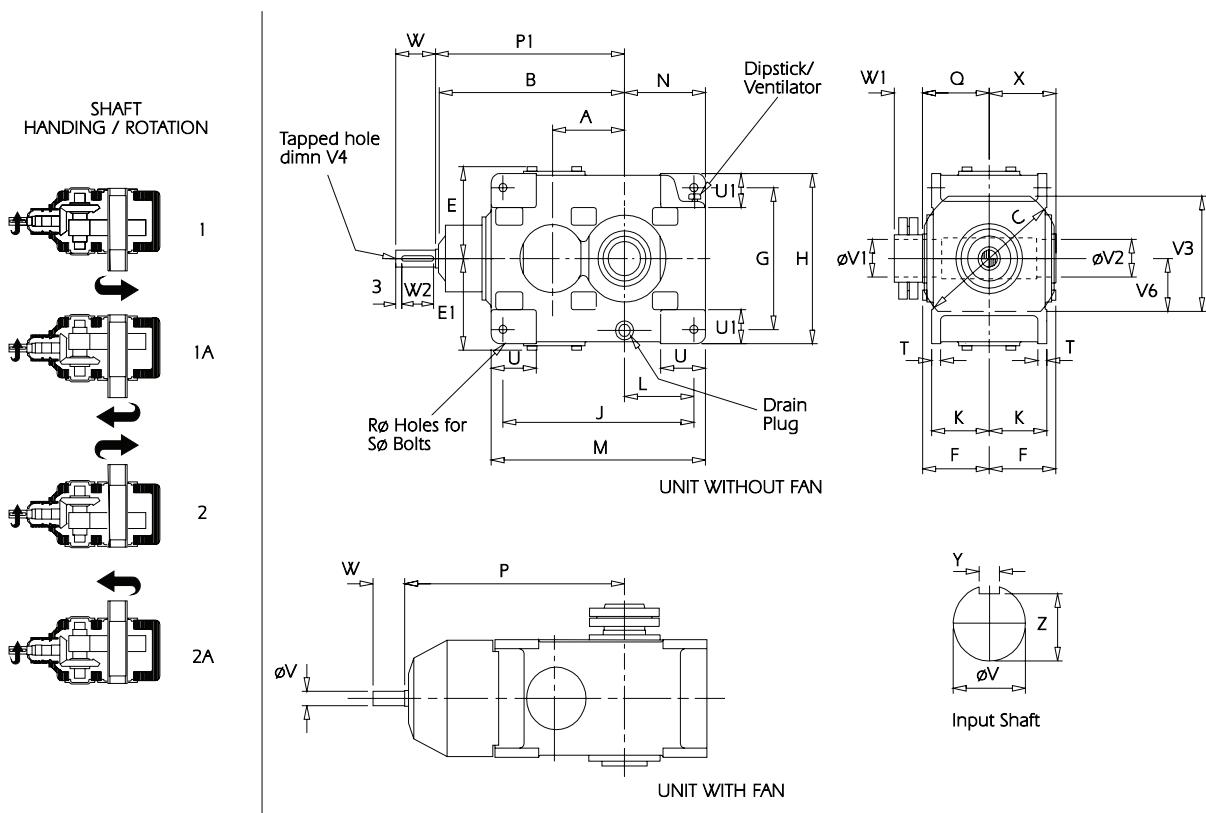
| Unit Size | INPUT SHAFTS | | | | | | | OUTPUT SHAFTS | | | | | | | |
|------------|--------------|-----|-----|--------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | U1 | V3 | V6 | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 140 | 60 | 230 | 105 | 28.009 27.996 | M8 x 20 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 70.030 70.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 62.5 62.3 |
| 160 | 70 | 263 | 125 | 32.018 32.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 75.030 75.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 67.5 67.3 |
| 180 | 85 | 295 | 145 | 38.018 38.002 | M16 x 36 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 85.035 85.013 | M24 x 52 | 170 | 160 | 21.978 21.926 | 76.0 75.8 |
| 200 | 90 | 305 | 140 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 95 | 356 | 171 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 115 | 402 | 190 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 125 | 450 | 225 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 130 | 480 | 230 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 155 | 540 | 270 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 160.040 160.015 | M24 x 80 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 175 | 618 | 300 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 180.040 180.015 | M42 x 80 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 195 | 650 | 320 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 200.046 200.017 | M42 x 80 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

DIMENSIONS DOUBLE REDUCTION

9707

B2S

- HORIZONTAL SHAFT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



| Unit Size | A | B | C | E | E1 | F | G | H | M | L | P | KP1N | Q | S | T | R | U | | | |
|------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|----|----|----|-----|
| 200 | 200 | 520 | 400 | 239 | 239 | 180 | 375 | 450 | 530 | 160 | 192.5 | 595 | 225 | 575 | 525 | 185 | 22 | 20 | 25 | 125 |
| 225 | 225 | 575 | 445 | 267 | 267 | 203 | 400 | 500 | 560 | 175 | 200 | 660 | 250 | 635 | 580 | 205 | 22 | 20 | 30 | 130 |
| 250 | 250 | 630 | 480 | 298 | 298 | 215 | 450 | 560 | 630 | 190 | 225 | 740 | 280 | 695 | 635 | 220 | 26 | 24 | 30 | 140 |
| 280 | 280 | 715 | 520 | 327 | 327 | 237 | 500 | 620 | 710 | 210 | 260 | 820 | 315 | 785 | 720 | 240 | 26 | 24 | 35 | 160 |
| 315 | 315 | 800 | 560 | 350 | 350 | 256 | 530 | 660 | 800 | 230 | 295 | 920 | 355 | 875 | 805 | 260 | 33 | 30 | 40 | 180 |
| 355 | 355 | 870 | 630 | 405 | 405 | 286 | 630 | 770 | 900 | 255 | 322.5 | 1055 | 400 | 950 | 875 | 290 | 33 | 30 | 45 | 200 |
| 400 | 400 | 990 | 700 | 456 | 456 | 320 | 710 | 870 | 1000 | 285 | 350 | 1200 | 450 | 1075 | 995 | 325 | 39 | 36 | 50 | 220 |
| 450 | 450 | 1100 | 780 | 497 | 497 | 360 | 750 | 940 | 1120 | 325 | 395 | 1330 | 500 | 1190 | 1105 | 365 | 39 | 36 | 55 | 250 |

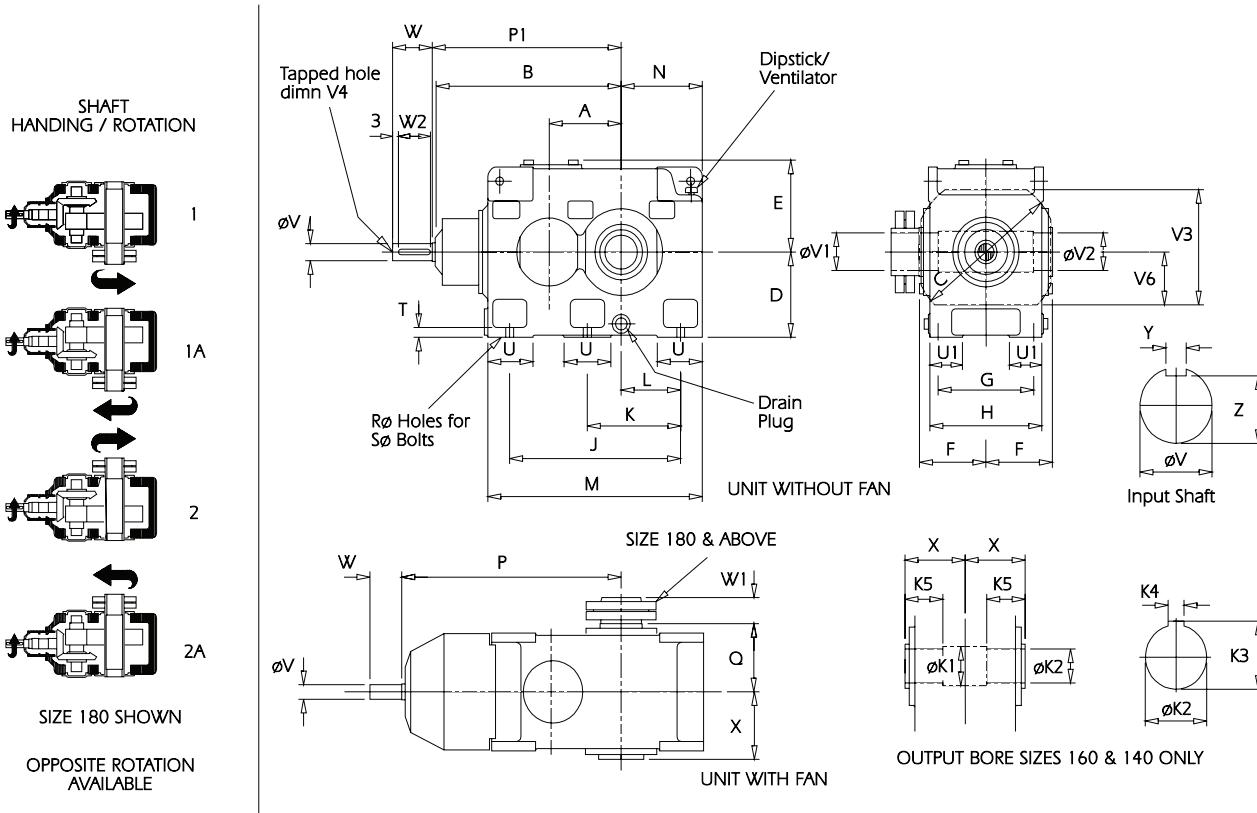
| Unit Size | INPUT SHAFTS | | | | | | | | | | OUTPUT SLEEVE BORES | | |
|------------|--------------|-----|-----|-----|-----|--------------------|----------|-----|-----|------------------|---------------------|--------------------|--------------------|
| | U1 | V3 | V6 | W1 | X | V | V4 | W | W2 | Y | Z | V1 | V2 |
| 200 | 90 | 305 | 140 | 70 | 185 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 95.035 95.000 | 100.047 100.012 |
| 225 | 95 | 356 | 171 | 80 | 205 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 115.035 115.000 | 120.047 120.012 |
| 250 | 115 | 402 | 190 | 90 | 220 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 125.040 125.000 | 130.054 130.014 |
| 280 | 125 | 450 | 225 | 105 | 240 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 140.040 140.000 | 145.054 145.014 |
| 315 | 130 | 480 | 230 | 110 | 260 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 160.040 160.000 | 165.054 165.014 |
| 355 | 155 | 540 | 270 | 130 | 290 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 170.040 170.000 | 175.054 175.014 |
| 400 | 175 | 618 | 300 | 150 | 325 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 190.046 190.000 | 200.061 200.015 |
| 450 | 195 | 650 | 320 | 160 | 365 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 220.046 220.000 | 230.061 230.015 |

DIMENSIONS DOUBLE REDUCTION

9512

B2SF

- HORIZONTAL FOOT & SHAFT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



| Unit Size | A | B | C | G | H | F | E | D | M | L | P | R1 | N | Q | R | S | T | U | U1 | V3 | V6 | W1 | X | | |
|------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|------|--------|----|-----|-----|-----|-----|-----|-----|
| 140 | 140 | 390 | 300 | 160 | 174 | 135 | 190 | 224 | 335 | - | 120 | 425 | 165 | 435 | 395 | - | 13.5 | 4 x 12 | 20 | 100 | 60 | 230 | 105 | - | 140 |
| 160 | 160 | 430 | 350 | 180 | 194 | 155 | 225 | 260 | 375 | - | 135 | 475 | 185 | 475 | 435 | - | 17.5 | 4 x 16 | 20 | 110 | 70 | 263 | 125 | - | 160 |
| 180 | 180 | 480 | 375 | 200 | 214 | 170 | 250 | 290 | 425 | - | 147.5 | 530 | 200 | 530 | 485 | 175 | 17.5 | 4 x 16 | 25 | 120 | 85 | 295 | 145 | 65 | 175 |
| 200 | 200 | 520 | 400 | 225 | 239 | 180 | 265 | 310 | 475 | - | 165 | 595 | 225 | 575 | 525 | 185 | 22 | 4 x 20 | 25 | 125 | 90 | 305 | 140 | 70 | 185 |
| 225 | 225 | 575 | 445 | 250 | 267 | 203 | 280 | 340 | 530 | - | 185 | 660 | 250 | 635 | 580 | 205 | 22 | 4 x 20 | 30 | 130 | 95 | 356 | 171 | 80 | 205 |
| 250 | 250 | 630 | 480 | 280 | 298 | 215 | 300 | 370 | 600 | - | 210 | 740 | 280 | 695 | 635 | 220 | 26 | 4 x 24 | 30 | 140 | 115 | 402 | 190 | 90 | 220 |
| 280 | 280 | 715 | 520 | 315 | 327 | 237 | 335 | 410 | 670 | - | 240 | 820 | 315 | 785 | 720 | 240 | 26 | 4 x 24 | 35 | 160 | 125 | 450 | 225 | 105 | 240 |
| 315 | 315 | 800 | 560 | 355 | 350 | 256 | 375 | 450 | 750 | - | 270 | 920 | 355 | 875 | 805 | 260 | 33 | 4 x 30 | 40 | 180 | 130 | 480 | 230 | 110 | 260 |
| 355 | 355 | 870 | 630 | 400 | 405 | 286 | 425 | 500 | 865 | 530 | 305 | 1055 | 400 | 950 | 875 | 290 | 33 | 6 x 30 | 50 | 200 | 155 | 540 | 270 | 130 | 290 |
| 400 | 400 | 990 | 700 | 450 | 456 | 320 | 475 | 560 | 1000 | 600 | 350 | 1200 | 450 | 1075 | 995 | 325 | 39 | 6 x 36 | 55 | 220 | 175 | 618 | 300 | 150 | 325 |
| 450 | 450 | 1100 | 780 | 500 | 497 | 360 | 530 | 640 | 1120 | 670 | 395 | 1330 | 500 | 1190 | 1105 | 365 | 39 | 6 x 36 | 60 | 250 | 195 | 650 | 320 | 160 | 365 |

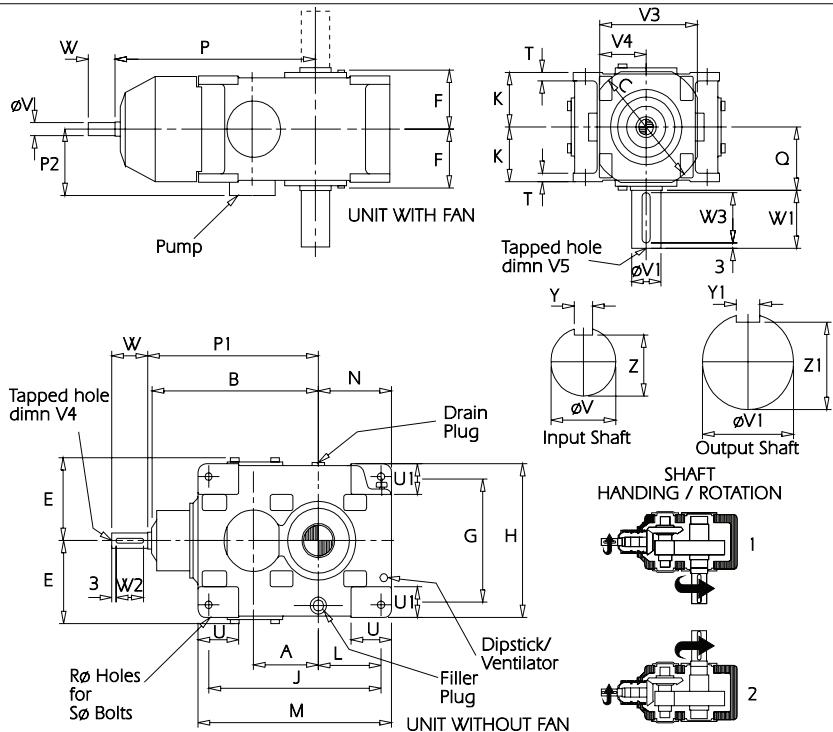
| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SLEEVE BORES | | | | | | | |
|------------|--------------------|----------|-----|-----|------------------|--------------|---------------------|------------------|--------------|------------------|----|--------------------|--------------------|--|
| | V | V4 | W | W2 | Y | Z | K1 | K2 | K3 | K4 | K5 | V1 | V2 | |
| 140 | 28.009 27.996 | M8 x 20 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 76 | 75.060 75.030 | 80.1 79.9 | 20.026 19.974 | 75 | - | - | |
| 160 | 32.018 32.002 | M8 x 20 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 86 | 85.071 85.036 | 90.6 90.4 | 22.026 21.974 | 85 | - | - | |
| 180 | 38.018 38.002 | M16 x 36 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | - | - | - | - | - | 85.035 85.000 | 90.047 90.012 | |
| 200 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | - | - | - | - | - | 95.035 95.000 | 100.047 100.012 | |
| 225 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | - | - | - | - | - | 115.035 115.000 | 120.047 120.012 | |
| 250 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | - | - | - | - | - | 125.040 125.000 | 130.054 130.014 | |
| 280 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | - | - | - | - | - | 140.040 140.000 | 145.054 145.014 | |
| 315 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | - | - | - | - | - | 160.040 160.000 | 165.054 165.014 | |
| 355 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | - | - | - | - | - | 170.040 170.000 | 175.054 175.014 | |
| 400 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | - | - | - | - | - | 190.046 190.000 | 200.061 200.015 | |
| 450 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | - | - | - | - | - | 220.046 220.000 | 230.061 230.015 | |

DIMENSIONS DOUBLE REDUCTION

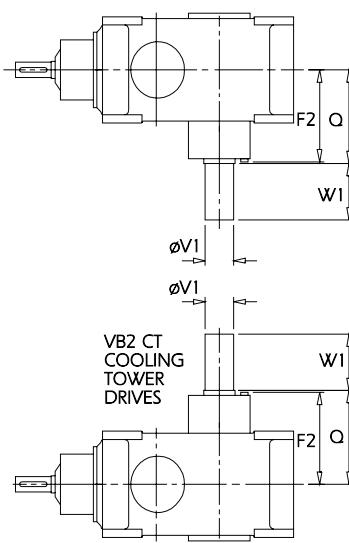
9707

VB2

- VERTICAL MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



VB2 SA
HEAVY DUTY
STIRRER DRIVES



VB2 CT
COOLING
TOWER
DRIVES

| Unit Size | A | | | | G | H | F | E | C | M | B | L | P | KP1N | P2 | Q | R | S | T | U | U1 | V3 | V4 |
|------------|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|-----|----|----|----|-----|-----|-----|-----|
| 200 | 200 | 520 | 400 | 244 | 180 | 375 | 450 | 530 | 160 | 192.5 | 595 | 225 | 575 | 525 | 240 | 185 | 22 | 20 | 25 | 125 | 90 | 305 | 140 |
| 225 | 225 | 575 | 445 | 274 | 203 | 400 | 500 | 560 | 175 | 200 | 660 | 250 | 635 | 580 | 260 | 205 | 22 | 20 | 30 | 130 | 95 | 356 | 171 |
| 250 | 250 | 630 | 480 | 305 | 215 | 450 | 560 | 630 | 190 | 225 | 740 | 280 | 695 | 635 | 275 | 220 | 26 | 24 | 30 | 140 | 115 | 402 | 190 |
| 280 | 280 | 715 | 520 | 334 | 237 | 500 | 620 | 710 | 210 | 260 | 820 | 315 | 785 | 720 | 295 | 240 | 26 | 24 | 35 | 160 | 125 | 450 | 225 |
| 315 | 315 | 800 | 560 | 358 | 256 | 530 | 660 | 800 | 230 | 295 | 920 | 355 | 875 | 805 | 330 | 260 | 33 | 30 | 40 | 180 | 130 | 480 | 230 |
| 355 | 355 | 870 | 630 | 413 | 286 | 630 | 770 | 900 | 255 | 322.5 | 1055 | 400 | 950 | 875 | 355 | 290 | 33 | 30 | 45 | 200 | 155 | 540 | 270 |
| 400 | 400 | 990 | 700 | 464 | 320 | 710 | 870 | 1000 | 285 | 350 | 1200 | 450 | 1075 | 995 | 395 | 325 | 39 | 36 | 50 | 220 | 175 | 618 | 300 |
| 450 | 450 | 1100 | 780 | 507 | 360 | 750 | 940 | 1120 | 325 | 395 | 1330 | 500 | 1190 | 1105 | 445 | 365 | 39 | 36 | 55 | 250 | 195 | 650 | 320 |

| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SHAFTS | | | | | |
|------------|--------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 200 | 45.018 45.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 50.018 50.002 | M12 x 25 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 55.030 55.011 | M20 x 40 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 65.030 65.011 | M20 x 40 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 75.030 75.011 | M20 x 40 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 85.035 85.013 | M24 x 50 | 170 | 160 | 21.978 21.926 | 76.0 75.8 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

| Unit Size | HEAVY DUTTER DRIVES | | | | | | | COOLING TOWER DRIVES | | | | | | | |
|------------|---------------------|-----|--------------------|----------|-----|-----|------------------|----------------------|-----|-----|--------------------|----------|-------|------------------|----------------|
| | F2 | Q | V1 | V5 | W1 | W3 | Y1 | Z1 | F2 | Q | V1 | V5 | W1/W2 | Y1 | Z1 |
| 200 | 295 | 300 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 330 | 335 | 90.035 90.013 | M24 x 50 | | 24.978 24.926 | 81.0 80.8 |
| 225 | 330 | 335 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 | 370 | 375 | 100.035 100.013 | M24 x 50 | | 27.978 27.926 | 90.0 89.8 |
| 250 | 355 | 360 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | | | 110.035 110.013 | M24 x 50 | | 27.978 27.926 | 100.0 99.8 |
| 280 | 390 | 395 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | 430 | 435 | 125.040 125.015 | M36 x 70 | | 31.974 31.912 | 114.0 113.8 |
| 315 | 435 | 440 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 | 465 | 470 | 140.040 140.015 | M36 x 70 | | 35.974 35.912 | 128.0 127.7 |
| 355 | 470 | 475 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 | 510 | 515 | 160.040 160.015 | M36 x 70 | | 39.974 39.912 | 147.0 146.7 |
| 400 | 535 | 540 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 | 575 | 580 | 180.040 180.015 | M36 x 70 | | 44.974 44.912 | 165.0 164.7 |
| 450 | 600 | 605 | 220.046 220.017 | M45 x 85 | 350 | 340 | 49.974 49.912 | 203.0 202.7 | 645 | 650 | 200.046 200.017 | M36 x 70 | | 44.974 44.912 | 185.0 184.7 |

To suit customers
fan requirements

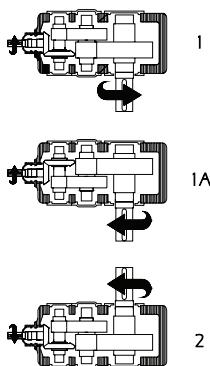
DIMENSIONS TRIPLE REDUCTION

9512

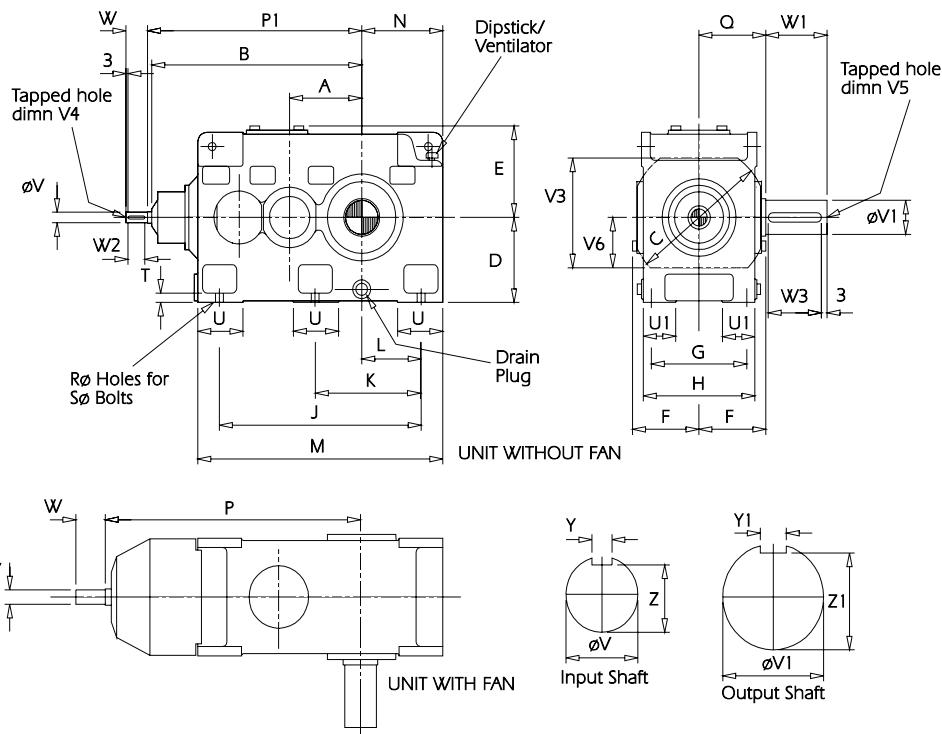
B3

- HORIZONTAL FOOT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS

SHAFT
HANDING / ROTATION



OPPOSITE ROTATION
AVAILABLE



| Unit Size | A | | | | F | G E | D | C | L | B | K | N | J P M | P1 | Q | R | S | T | U | |
|------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-------|------|------|-----|------|--------|----|-----|
| 140 | 140 | 430 | 305 | 160 | 174 | 135 | 190 | 224 | 405 | - | 120 | 495 | 165 | 470 | 435 | 140 | 13.5 | 4 x 12 | 20 | 100 |
| 160 | 160 | 477 | 350 | 180 | 194 | 155 | 225 | 260 | 450 | - | 135 | 550 | 185 | 520 | 480 | 160 | 17.5 | 4 x 16 | 20 | 110 |
| 180 | 180 | 530 | 375 | 200 | 214 | 173 | 250 | 290 | 505 | - | 147.5 | 610 | 200 | 570 | 535 | 175 | 17.5 | 4 x 16 | 25 | 120 |
| 200 | 200 | 590 | 400 | 225 | 239 | 180 | 265 | 310 | 560 | - | 165 | 680 | 225 | 630 | 595 | 185 | 22 | 4 x 20 | 25 | 125 |
| 225 | 225 | 655 | 445 | 250 | 267 | 203 | 280 | 340 | 630 | - | 185 | 760 | 250 | 700 | 660 | 205 | 22 | 4 x 20 | 30 | 130 |
| 250 | 250 | 730 | 480 | 280 | 298 | 215 | 300 | 370 | 710 | - | 210 | 850 | 280 | 780 | 735 | 220 | 26 | 4 x 24 | 30 | 140 |
| 280 | 280 | 800 | 520 | 315 | 327 | 237 | 335 | 410 | 800 | - | 240 | 950 | 315 | 855 | 805 | 240 | 26 | 4 x 24 | 35 | 160 |
| 315 | 315 | 890 | 560 | 355 | 350 | 256 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 950 | 895 | 260 | 33 | 4 x 30 | 40 | 180 |
| 355 | 355 | 985 | 630 | 400 | 405 | 286 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 1050 | 990 | 290 | 33 | 6 x 30 | 50 | 200 |
| 400 | 400 | 1115 | 700 | 450 | 456 | 320 | 475 | 560 | 1160 | 600 | 350 | 1360 | 450 | 1185 | 1120 | 325 | 39 | 6 x 36 | 55 | 220 |
| 450 | 450 | 1250 | 780 | 500 | 497 | 360 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 1325 | 1255 | 365 | 39 | 6 x 36 | 60 | 250 |

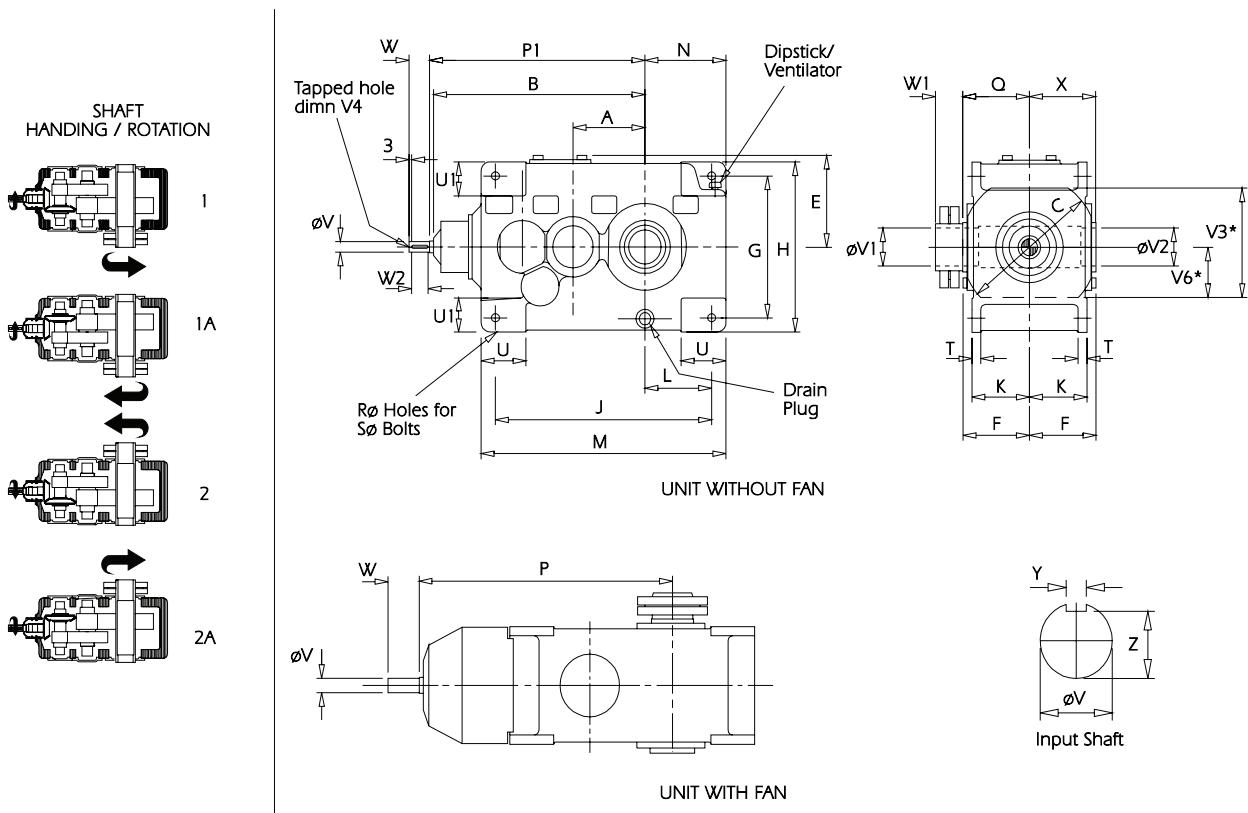
| Unit Size | INPUT SHAFTS | | | | | | | OUTPUT SHAFTS | | | | | | | |
|------------|--------------|-----|-----|------------------|----------|-----|-----|------------------|--------------|--------------------|----------|-----|-----|------------------|----------------|
| | U1 | V3 | V6 | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 140 | 60 | 220 | 95 | 20.009 19.996 | M6 x 16 | 50 | 43 | 5.988 5.958 | 16.5 16.4 | 70.030 70.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 62.5 62.3 |
| 160 | 70 | 248 | 110 | 25.009 24.996 | M6 x 16 | 60 | 53 | 7.985 7.949 | 21.0 20.8 | 75.030 75.011 | M24 x 52 | 140 | 130 | 19.978 19.926 | 67.5 67.3 |
| 180 | 85 | 280 | 130 | 28.009 27.996 | M8 x 20 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 85.035 85.013 | M24 x 52 | 170 | 160 | 21.978 21.926 | 76.0 75.8 |
| 200 | 90 | 305 | 140 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 90.035 90.013 | M24 x 50 | 170 | 160 | 24.978 24.926 | 81.0 80.8 |
| 225 | 95 | 356 | 171 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 |
| 250 | 115 | 390 | 190 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 110.035 110.013 | M30 x 60 | 210 | 200 | 27.978 27.926 | 100.0 99.8 |
| 280 | 125 | 450 | 225 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 125.040 125.015 | M30 x 60 | 210 | 200 | 31.974 31.912 | 114.0 113.8 |
| 315 | 130 | 460 | 230 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 140.040 140.015 | M30 x 60 | 250 | 240 | 35.974 35.912 | 128.0 127.7 |
| 355 | 155 | 540 | 270 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 160.040 160.015 | M42 x 80 | 300 | 290 | 39.974 39.912 | 147.0 146.7 |
| 400 | 175 | 600 | 300 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 180.040 180.015 | M42 x 80 | 300 | 290 | 44.974 44.912 | 165.0 164.7 |
| 450 | 195 | 640 | 320 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 200.046 200.017 | M42 x 80 | 350 | 340 | 44.974 44.912 | 185.0 184.7 |

DIMENSIONS TRIPLE REDUCTION

9707

B3S

- HORIZONTAL SHAFT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



| Unit Size | A | B | C* | E | F | G | H | I | J | M | N | L | P* | KP1 | Q | R | S | T | R | U |
|------------|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|----|----|----|-----|---|
| 200 | 200 | 590 | 400 | 239 | 180 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 630 | 595 | 185 | 22 | 20 | 25 | 125 | |
| 225 | 225 | 655 | 445 | 267 | 203 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 700 | 660 | 205 | 22 | 20 | 30 | 130 | |
| 250 | 250 | 730 | 480 | 298 | 215 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 780 | 735 | 220 | 26 | 24 | 30 | 140 | |
| 280 | 280 | 800 | 520 | 327 | 237 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 855 | 805 | 240 | 26 | 24 | 35 | 160 | |
| 315 | 315 | 890 | 560 | 350 | 256 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 950 | 895 | 260 | 33 | 30 | 40 | 180 | |
| 355 | 355 | 985 | 630 | 405 | 286 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 1050 | 990 | 290 | 33 | 30 | 45 | 200 | |
| 400 | 400 | 1115 | 700 | 456 | 320 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 1185 | 1120 | 325 | 39 | 36 | 50 | 220 | |
| 450 | 450 | 1250 | 780 | 497 | 360 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 1325 | 1255 | 365 | 39 | 36 | 55 | 250 | |

| Unit Size | INPUT SHAFTS | | | | | | | | OUTPUT SLEEVE BORES | | | | |
|------------|--------------|-----|-----|-----|-----|------------------|----------|-----|---------------------|------------------|--------------|--------------------|--------------------|
| | U1 | V3* | V6* | W1 | X | V | V4 | W | W2 | Y | Z | V1 | V2 |
| 200 | 90 | 305 | 140 | 70 | 185 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | 95.035 95.000 | 100.047 100.012 |
| 225 | 95 | 356 | 171 | 80 | 205 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | 115.035 115.000 | 120.047 120.012 |
| 250 | 115 | 390 | 190 | 90 | 220 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | 125.040 125.000 | 130.054 130.014 |
| 280 | 125 | 450 | 225 | 105 | 240 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | 140.040 140.000 | 145.054 145.014 |
| 315 | 130 | 460 | 230 | 110 | 260 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | 160.040 160.000 | 165.054 165.014 |
| 355 | 155 | 540 | 270 | 130 | 290 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | 170.040 170.000 | 175.054 175.014 |
| 400 | 175 | 600 | 300 | 150 | 325 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | 190.046 190.000 | 200.061 200.015 |
| 450 | 195 | 640 | 320 | 160 | 365 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | 220.046 220.000 | 230.061 230.015 |

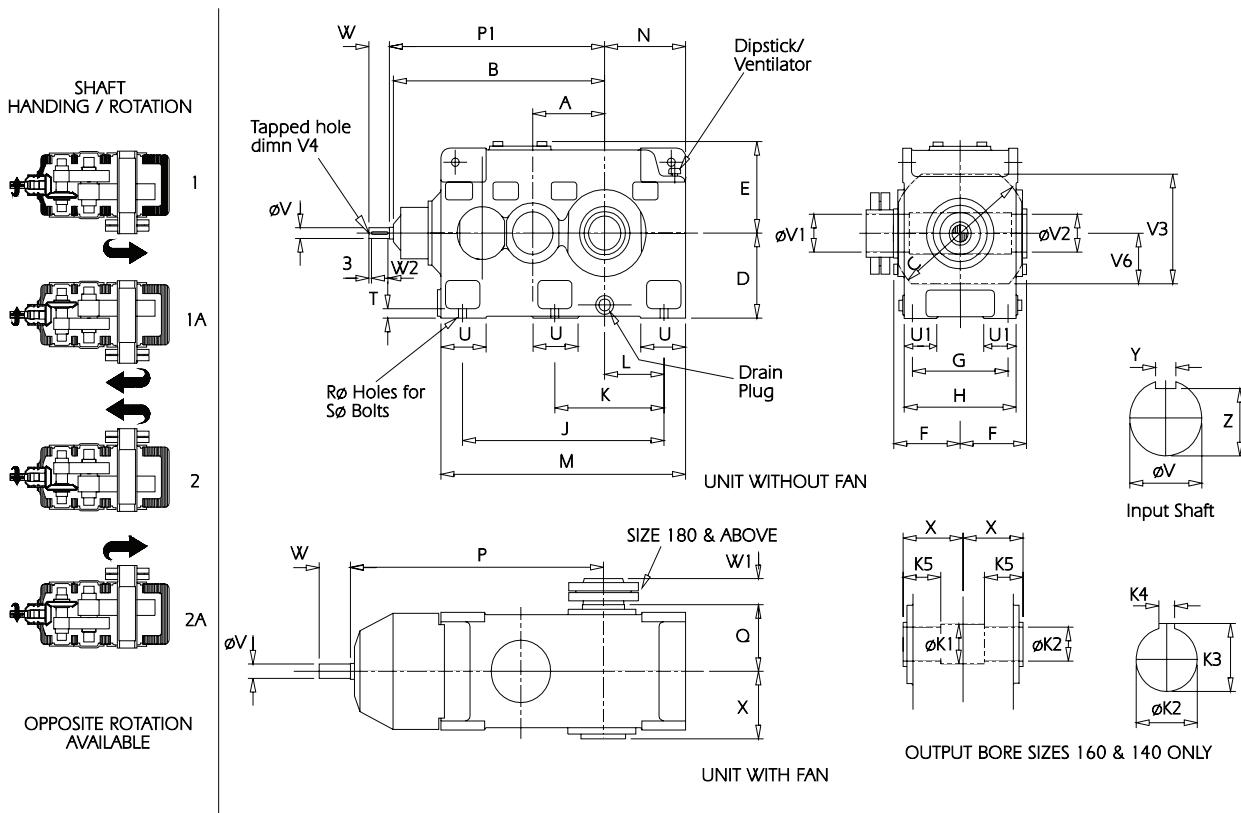
* Unit with fan

DIMENSIONS TRIPLE REDUCTION

9512

B3SF

- HORIZONTAL FOOT & SHAFT MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



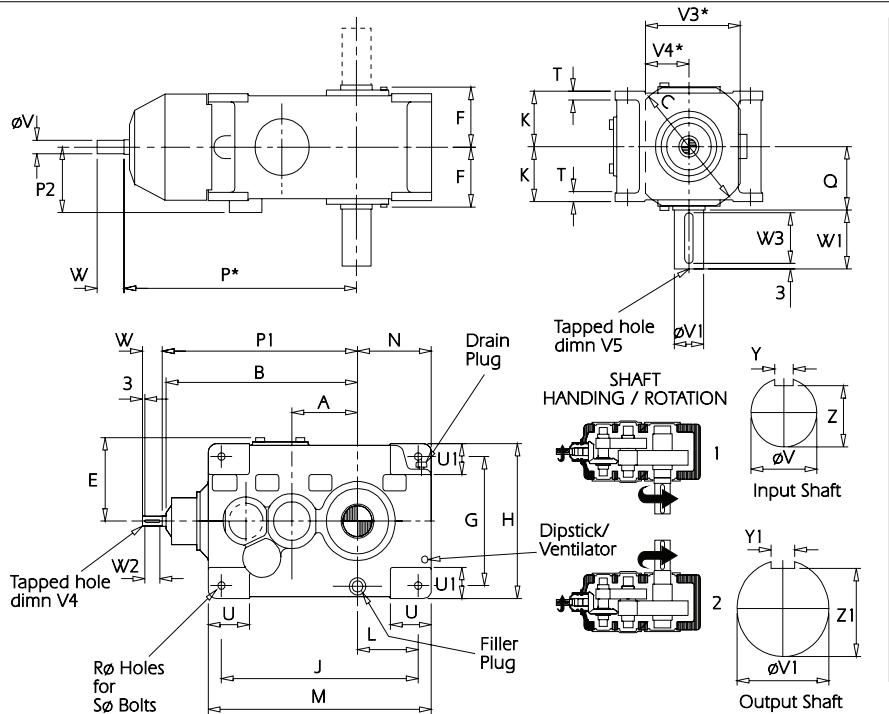
| Unit Size | A | B | C | | G | H | F | | E | D | M | L | P | R1 | N | QJ | R | S | T | U | U1 | V3 | V6 | W1 | X |
|------------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|------|--------|----|-----|-----|-----|-----|-----|-----|
| 140 | 140 | 430 | 305 | 160 | 174 | 135 | 190 | 224 | 405 | - | 120 | 495 | 165 | 470 | 435 | 140 | 13.5 | 4 x 12 | 20 | 100 | 60 | 220 | 95 | - | 140 |
| 160 | 160 | 477 | 350 | 180 | 194 | 155 | 225 | 260 | 450 | - | 135 | 550 | 185 | 520 | 480 | 160 | 17.5 | 4 x 16 | 20 | 110 | 70 | 248 | 110 | - | 160 |
| 180 | 180 | 530 | 375 | 200 | 214 | 173 | 250 | 290 | 505 | - | 147.5 | 610 | 200 | 570 | 535 | 175 | 17.5 | 4 x 16 | 25 | 120 | 85 | 280 | 130 | 65 | 175 |
| 200 | 200 | 590 | 400 | 225 | 239 | 180 | 265 | 310 | 560 | - | 165 | 680 | 225 | 630 | 595 | 185 | 22 | 4 x 20 | 25 | 125 | 90 | 305 | 140 | 70 | 185 |
| 225 | 225 | 655 | 445 | 250 | 267 | 203 | 280 | 340 | 630 | - | 185 | 760 | 250 | 700 | 660 | 205 | 22 | 4 x 20 | 30 | 130 | 95 | 356 | 171 | 80 | 205 |
| 250 | 250 | 730 | 480 | 280 | 298 | 215 | 300 | 370 | 710 | - | 210 | 850 | 280 | 780 | 735 | 220 | 26 | 4 x 24 | 30 | 140 | 115 | 390 | 190 | 90 | 220 |
| 280 | 280 | 800 | 520 | 315 | 327 | 237 | 335 | 410 | 800 | - | 240 | 950 | 315 | 855 | 805 | 240 | 26 | 4 x 24 | 35 | 160 | 125 | 450 | 225 | 105 | 240 |
| 315 | 315 | 890 | 560 | 355 | 350 | 256 | 375 | 450 | 900 | - | 270 | 1070 | 355 | 950 | 895 | 260 | 33 | 4 x 30 | 40 | 180 | 130 | 460 | 230 | 110 | 260 |
| 355 | 355 | 985 | 630 | 400 | 405 | 286 | 425 | 500 | 1005 | 530 | 305 | 1195 | 400 | 1050 | 990 | 290 | 33 | 6 x 30 | 50 | 200 | 155 | 540 | 270 | 130 | 290 |
| 400 | 400 | 1115 | 700 | 450 | 456 | 320 | 475 | 560 | 1160 | 600 | 350 | 1360 | 450 | 1185 | 1120 | 325 | 39 | 6 x 36 | 55 | 220 | 175 | 600 | 300 | 150 | 325 |
| 450 | 450 | 1250 | 780 | 500 | 497 | 360 | 530 | 640 | 1300 | 670 | 395 | 1510 | 500 | 1325 | 1255 | 365 | 39 | 6 x 36 | 60 | 250 | 195 | 640 | 320 | 160 | 365 |

| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SLEEVE BORES | | | | | | | |
|------------|------------------|----------|-----|-----|------------------|--------------|---------------------|------------------|--------------|------------------|----|--------------------|--------------------|--|
| | V | V4 | W | W2 | Y | Z | K1 | K2 | K3 | K4 | K5 | V1 | V2 | |
| 140 | 20.009 19.996 | M6 x 16 | 50 | 43 | 5.988 5.958 | 16.5 16.4 | 76 | 75.060 75.030 | 80.1 79.9 | 20.026 19.974 | 75 | - | - | |
| 160 | 25.009 24.996 | M6 x 16 | 60 | 53 | 7.985 7.949 | 21.0 20.8 | 86 | 85.071 85.036 | 90.6 90.4 | 22.026 21.974 | 85 | - | - | |
| 180 | 28.009 27.996 | M8 x 20 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | - | - | - | - | - | 85.035 85.000 | 90.047 90.012 | |
| 200 | 28.009 27.996 | M8 x 18 | 60 | 53 | 7.985 7.949 | 24.0 23.8 | - | - | - | - | - | 95.035 95.000 | 100.047 100.012 | |
| 225 | 32.018 32.002 | M8 x 18 | 80 | 73 | 9.985 9.949 | 27.0 26.8 | - | - | - | - | - | 115.035 115.000 | 120.047 120.012 | |
| 250 | 38.018 38.002 | M16 x 32 | 80 | 73 | 9.985 9.949 | 33.0 32.8 | - | - | - | - | - | 125.040 125.000 | 130.054 130.014 | |
| 280 | 45.018 45.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 39.5 39.3 | - | - | - | - | - | 140.040 140.000 | 145.054 145.014 | |
| 315 | 50.018 50.002 | M16 x 32 | 110 | 102 | 13.982 13.939 | 44.5 44.3 | - | - | - | - | - | 160.040 160.000 | 165.054 165.014 | |
| 355 | 55.030 55.011 | M24 x 50 | 110 | 102 | 15.982 15.939 | 49.0 48.8 | - | - | - | - | - | 170.040 170.000 | 175.054 175.014 | |
| 400 | 65.030 65.011 | M24 x 50 | 140 | 130 | 17.982 17.939 | 58.0 57.8 | - | - | - | - | - | 190.046 190.000 | 200.061 200.015 | |
| 450 | 75.030 75.011 | M24 x 50 | 140 | 130 | 19.978 19.926 | 67.5 67.3 | - | - | - | - | - | 220.046 220.000 | 230.061 230.015 | |

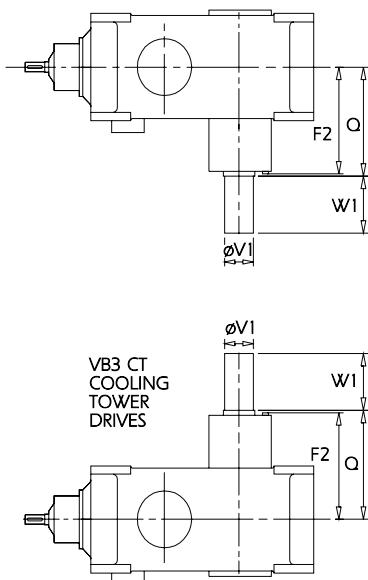
DIMENSIONS TRIPLE REDUCTION

9707

VB3 - VERTICAL MOUNTED UNIT WITH RIGHT ANGLE SHAFTS



VB3 SA HEAVY DUTY STIRRER DRIVES



* Fan is fitted for ratios 14.0 to 63.8 only

| Unit Size | A | B | C* | E | F | G | H | | M | N | L | P* | IP1 | P2 | Q | R | S | T | U | U1 | V3* | V4* | |
|------------|-----|------|-----|-----|-----|-----|-----|------|-----|-------|------|-----|------|------|-----|-----|----|----|----|-----|-----|-----|-----|
| 200 | 200 | 590 | 400 | 244 | 180 | 375 | 450 | 600 | 160 | 185 | 680 | 225 | 630 | 595 | 224 | 185 | 22 | 20 | 25 | 125 | 90 | 305 | 140 |
| 225 | 225 | 655 | 445 | 274 | 203 | 400 | 500 | 670 | 175 | 205 | 760 | 250 | 700 | 660 | 245 | 205 | 22 | 20 | 30 | 130 | 95 | 356 | 171 |
| 250 | 250 | 730 | 480 | 305 | 215 | 450 | 560 | 750 | 190 | 230 | 850 | 280 | 780 | 735 | 260 | 220 | 26 | 24 | 30 | 140 | 115 | 390 | 190 |
| 280 | 280 | 800 | 520 | 334 | 237 | 500 | 620 | 850 | 210 | 265 | 950 | 315 | 855 | 805 | 280 | 240 | 26 | 24 | 35 | 160 | 125 | 450 | 225 |
| 315 | 315 | 890 | 560 | 358 | 256 | 530 | 660 | 950 | 230 | 295 | 1070 | 355 | 950 | 895 | 310 | 260 | 33 | 30 | 40 | 180 | 130 | 460 | 230 |
| 355 | 355 | 985 | 630 | 413 | 286 | 630 | 770 | 1060 | 255 | 332.5 | 1195 | 400 | 1050 | 990 | 335 | 290 | 33 | 30 | 45 | 200 | 155 | 540 | 270 |
| 400 | 400 | 1115 | 700 | 464 | 320 | 710 | 870 | 1180 | 285 | 360 | 1360 | 450 | 1185 | 1120 | 380 | 325 | 39 | 36 | 50 | 220 | 175 | 600 | 300 |
| 450 | 450 | 1250 | 780 | 507 | 360 | 750 | 940 | 1320 | 325 | 405 | 1510 | 500 | 1325 | 1255 | 420 | 365 | 39 | 36 | 55 | 250 | 195 | 640 | 320 |

| Unit Size | INPUT SHAFTS | | | | | | OUTPUT SHAFTS | | | | | |
|------------|--------------|----------|-----|-----|--------|------|---------------|----------|-----|-----|--------|-------|
| | V | V4 | W | W2 | Y | Z | V1 | V5 | W1 | W3 | Y1 | Z1 |
| 200 | 28.009 | M8 x 18 | 60 | 53 | 7.985 | 24.0 | 90.035 | M24 x 50 | 170 | 160 | 24.978 | 81.0 |
| | 27.996 | | | | 7.949 | 23.8 | 90.013 | | | | 24.926 | 80.8 |
| 225 | 32.018 | M8 x 18 | 80 | 73 | 9.985 | 27.0 | 100.035 | M24 x 50 | 210 | 200 | 27.978 | 90.0 |
| | 32.002 | | | | 9.949 | 26.8 | 100.013 | | | | 27.926 | 89.8 |
| 250 | 38.018 | M12 x 25 | 80 | 73 | 9.985 | 33.0 | 110.035 | M24 x 50 | 210 | 200 | 27.978 | 100.0 |
| | 38.002 | | | | 9.949 | 32.8 | 110.013 | | | | 27.926 | 99.8 |
| 280 | 45.018 | M12 x 25 | 110 | 102 | 13.982 | 39.5 | 125.040 | M36 x 70 | 210 | 200 | 31.974 | 114.0 |
| | 45.002 | | | | 13.939 | 39.3 | 125.015 | | | | 31.912 | 113.8 |
| 315 | 50.018 | M12 x 25 | 110 | 102 | 13.982 | 44.5 | 140.040 | M36 x 70 | 250 | 240 | 35.974 | 128.0 |
| | 50.002 | | | | 13.939 | 44.3 | 140.015 | | | | 35.912 | 127.7 |
| 355 | 55.030 | M20 x 40 | 110 | 102 | 15.982 | 49.0 | 160.040 | M36 x 70 | 300 | 290 | 39.974 | 147.0 |
| | 55.011 | | | | 15.939 | 48.8 | 160.015 | | | | 39.912 | 146.7 |
| 400 | 65.030 | M20 x 40 | 140 | 130 | 17.982 | 58.0 | 180.040 | M36 x 70 | 300 | 290 | 44.974 | 165.0 |
| | 65.011 | | | | 17.939 | 57.8 | 180.015 | | | | 44.912 | 164.7 |
| 450 | 75.030 | M20 x 40 | 140 | 130 | 19.978 | 67.5 | 200.046 | M36 x 70 | 350 | 340 | 44.974 | 185.0 |
| | 75.011 | | | | 19.926 | 67.3 | 200.017 | | | | 44.912 | 184.7 |

| Unit Size | HEAVY DUTY STIRRER DRIVES | | | | | | | COOLING TOWER DRIVES | | | | | |
|------------|---------------------------|-----|--------------------|----------|-----|-----|------------------|----------------------|-----|-----|--------------------|----------|------------------------------------|
| | F2 | Q | V1 | V5 | W1 | W3 | Y1 | Z1 | F2 | Q | V1 | V5 | W1/W2 |
| 200 | 295 | 300 | 100.035 100.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 90.0 89.8 | 330 | 335 | 90.035 90.013 | M24 x 50 | To suit customers fan requirements |
| 225 | 330 | 335 | 110.035 110.013 | M24 x 50 | 210 | 200 | 27.978 27.926 | 100.0 99.8 | 370 | 375 | 100.035 100.013 | M24 x 50 | |
| 250 | 355 | 360 | 125.040 125.015 | M36 x 70 | 210 | 200 | 31.974 31.912 | 114.0 113.8 | 395 | 400 | 110.035 110.013 | M24 x 50 | To suit customers fan requirements |
| 280 | 390 | 395 | 140.040 140.015 | M36 x 70 | 250 | 240 | 35.974 35.912 | 128.0 127.7 | 430 | 435 | 125.040 125.015 | M36 x 70 | |
| 315 | 435 | 440 | 160.040 160.015 | M36 x 70 | 300 | 290 | 39.974 39.912 | 147.0 146.7 | 465 | 470 | 140.040 140.015 | M36 x 70 | To suit customers fan requirements |
| 355 | 470 | 475 | 180.040 180.015 | M36 x 70 | 300 | 290 | 44.974 44.912 | 165.0 164.7 | 510 | 515 | 160.040 160.015 | M36 x 70 | |
| 400 | 535 | 540 | 200.046 200.017 | M36 x 70 | 350 | 340 | 44.974 44.912 | 185.0 184.7 | 575 | 580 | 180.040 180.015 | M36 x 70 | To suit customers fan requirements |
| 450 | 600 | 605 | 220.046 220.017 | M45 x 85 | 350 | 340 | 49.974 49.912 | 203.0 202.7 | 645 | 650 | 200.046 200.017 | M36 x 70 | |

CUSTOMER SHAFT & SHRINK DISC DETAILS

9606

Each shaft mounted gear unit is fitted with a 'shrink disc' device located on the hollow output shaft to provide a positive outer locking connection between gear unit and driven shaft. The 'shrink disc' is a friction device, without keys, which exerts an external clamping force on the hollow output shaft, thus establishing a mechanical shrink fit between the gear unit hollow shaft and driven shaft. 'Shrink disc' capacities have ample margins in dealing with transmitted torques and external loading imposed on gear units.

WORKING PRINCIPLE

The 'shrink disc' consists of two locking collars, a double tapered inner ring, locking screws and a sealing ring. By tightening the locking screws, the locking collars are pulled together, exerting radial forces on the inner ring, thus creating a positive friction connection between hollow shaft and driven shaft (See Figure 2).

As the tapered surfaces of locking collars and inner ring are lubricated with Molykote 321R or similar and the taper angle is not self locking, locking collars will not seize on the inner ring and can be released easily when removal is necessary.

When the shrink disc is clamped in position the high contact pressures between tapered surfaces and screw heads and their seatings ensure hermetic sealing and eliminate the possibility of fretting corrosion.

| UNIT SIZE | SHRINK DISC | | | | | | HOLLOW SHAFT | | | | | |
|-----------|-------------|-----|-----|-----|--------|-----|--------------|-----|-----|----|---------|-----|
| | Size Ref | F | G | H | Screws | | J | L | A | B | N | E |
| | | | | | M | Ma | | | | | | |
| 180 | 110-72 | 110 | 185 | 49 | M10 | 58 | 175 | 415 | 4.5 | 12 | M5 x 6 | 107 |
| 200 | 125-72 | 125 | 215 | 53 | M10 | 58 | 185 | 440 | 4.5 | 12 | M6 x 6 | 110 |
| 225 | 155-71 | 155 | 263 | 62 | M12 | 100 | 205 | 490 | 4.5 | 18 | M10 x 4 | 135 |
| 250 | 165-71 | 165 | 290 | 68 | M16 | 240 | 220 | 530 | 4.5 | 18 | M10 x 4 | 145 |
| 280 | 185-71 | 185 | 330 | 85 | M16 | 240 | 240 | 585 | 4.5 | 18 | M10 x 6 | 160 |
| 315 | 200-71 | 200 | 350 | 85 | M16 | 240 | 260 | 630 | 4.5 | 18 | M10 x 6 | 180 |
| 355 | 220-71 | 220 | 370 | 103 | M16 | 240 | 290 | 710 | 4.5 | 22 | M12 x 4 | 195 |
| 400 | 260-71 | 260 | 430 | 119 | M20 | 470 | 325 | 800 | 4.5 | 22 | M12 x 6 | 225 |
| 450 | 280-71 | 280 | 460 | 132 | M20 | 470 | 365 | 890 | 4.5 | 22 | M12 x 6 | 250 |

| UNIT SIZE | SHAFT OF DRIVEN MACHINE | | | | | | | | | |
|-----------|-------------------------|-----|-----|-------|-----|-----|-----|---|---|----------|
| | d* | d1 | D* | D1MIN | L1 | L2 | L3 | C | R | K |
| 180 | 85 | 87 | 90 | 103 | 412 | 332 | 80 | 3 | 2 | M24 x 50 |
| 200 | 95 | 97 | 100 | 113 | 437 | 347 | 90 | 3 | 2 | M24 x 50 |
| 225 | 115 | 117 | 120 | 133 | 487 | 377 | 110 | 3 | 2 | M24 x 50 |
| 250 | 125 | 127 | 130 | 143 | 527 | 407 | 120 | 3 | 2 | M36 x 70 |
| 280 | 140 | 142 | 145 | 160 | 580 | 445 | 135 | 4 | 2 | M36 x 70 |
| 315 | 160 | 162 | 165 | 180 | 625 | 475 | 150 | 4 | 2 | M36 x 70 |
| 355 | 170 | 172 | 175 | 190 | 705 | 540 | 165 | 4 | 2 | M36 x 70 |
| 400 | 190 | 195 | 200 | 220 | 795 | 615 | 180 | 4 | 2 | M36 x 70 |
| 450 | 220 | 225 | 230 | 250 | 885 | 695 | 190 | 4 | 2 | M45 x 85 |

Shrink disc locking screws M must be tightened to the torque figures Ma shown in Nm

Tolerances for shaft diameters D and d are to h6 for diameters 95 to 165 and g6 for 165 and above

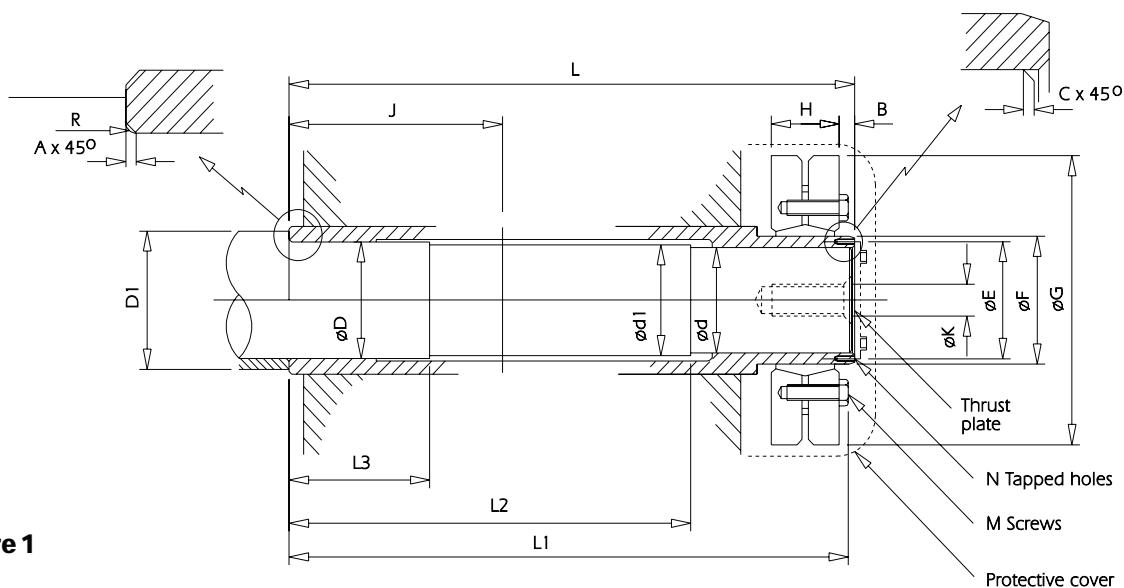


Figure 1

CUSTOMER SHAFT & SHRINK DISC DETAILS

9606

INSTALLATION

'Shrink discs' are supplied with shaft mounted units. The following procedures should be followed when fitting or removing units from the driven shaft.

- 1 Release locking screws gradually and in succession. Initially a quarter of a turn on each screw will avoid tilting and jamming of collars.
- 2 Remove collars and 'shrink disc' thoroughly.
- 3 Clean and degrease locating diameters of gear unit hollow shaft, driven shaft and 'shrink disc' locating diameter on hollow shaft extension.
- 4 Draw the gear unit onto the driven shaft (See Figure 3).
- 5 Grease tapered surfaces of locking collars and inner ring with Molykote 321R or similar.
- 6 Fit 'shrink disc' on gear unit hollow shaft to position shown in Figure 1.
- 7 Tighten all locking screws gradually and in succession. Do not tighten in a diametrically opposite sequence. Several passes are required until all screws are tightened to the torque figures Ma shown in the table opposite in Nm. This is stamped on the inner face of the 'shrink disc'.
- 8 Fit protective cover.

Locking collars must remain equidistant over 360°.

Note: When the hollow output shaft is to operate in a vertical position it is essential that the shaft of the driven machine is provided with a shoulder. When the thrust load is not taken by the shoulder on the driven shaft, a thrust plate, as shown in Figure 1, must be fitted.

It is recommended that customers' shafts at the non-clamped end of the sleeve should be coated with Molykote 321 R or equivalent.

REMOVAL

- 1 Removal procedure is similar to the reverse of installation.

Note: Do not remove 'shrink disc' locking screws completely.

- 2 Remove any rust and dirt from gear unit hollow shaft.
- 3 Withdraw gear unit from driven shaft (See Figure 4).

Note: 'Shrink disc' should be removed and cleaned thoroughly, and Molykote 321 R or similar applied to the tapered surfaces of inner ring and locking collars before re-use. The 'O' ring should be replaced if worn or damaged.

Note: Protective covers are supplied with all 'shrink discs'. Assembly or removal kits and thrust plates are not provided by Radicon.

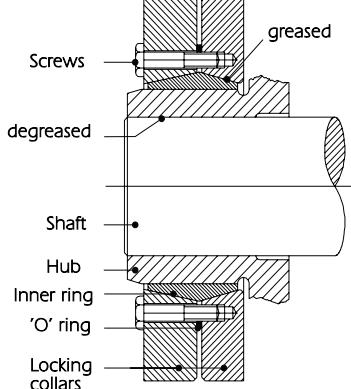


Figure 2

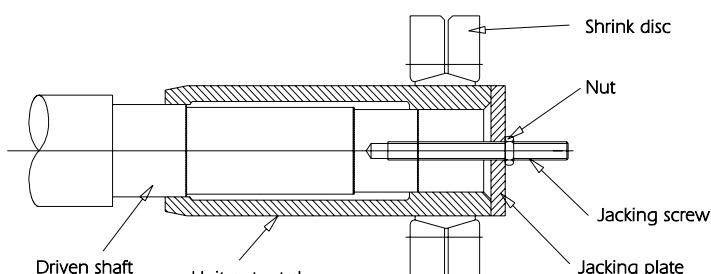


Figure 3 Mounting Gear Unit

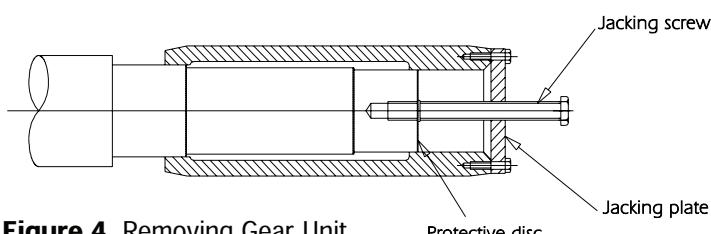


Figure 4 Removing Gear Unit

COOLING COIL CONNECTIONS

9709

Cooling coil connections for water inlet and outlet pipes are provided as indicated:

Ø10mm on 140, 160 and 180

Ø12mm on all other sizes

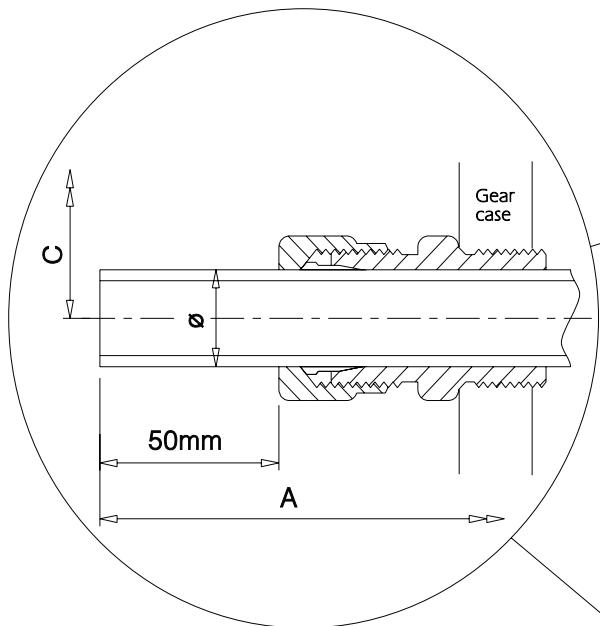
The protruding cooling coil pipe can be connected to customers pipe work via a suitable straight coupling.

Cooling coils are suitable for fresh, brackish or sea water with flow in either direction. Connections are therefore interchangeable.

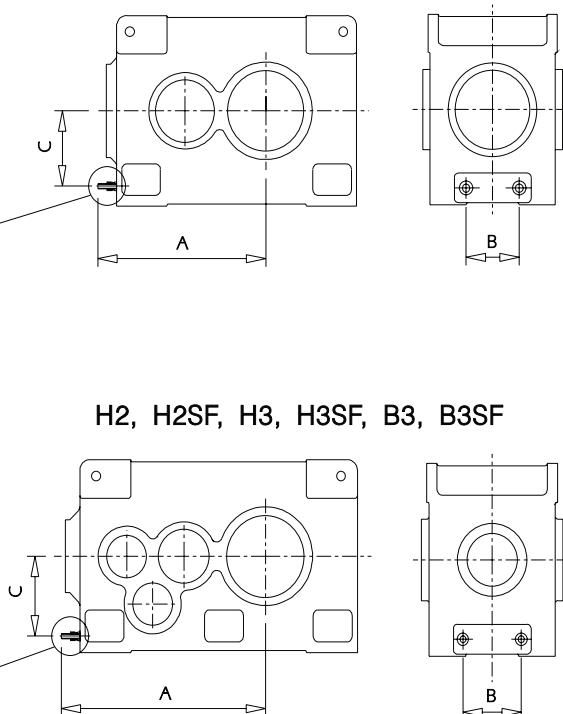
Note: Cooling coils are not available on shaft mounted units types H2S, H3S, B2S and B3S.

Cooling coils cannot be fitted to vertical units.

H1, B2, B2SF



H2, H2SF, H3, H3SF, B3, B3SF



| SIZE OF UNIT | H1, B2, B2SF | | | H2, H2SF, B3, B3SF | | | H3, H3SF | | |
|--------------|--------------|-----|-----|--------------------|-----|-----|----------|-----|-----|
| | A | B | C | A | B | C | A | B | C |
| 140 | 350 | 90 | 127 | 420 | 90 | 127 | 420 | 90 | 127 |
| 160 | 382 | 110 | 145 | 457 | 110 | 145 | 457 | 110 | 145 |
| 180 | 422 | 110 | 165 | 502 | 110 | 165 | 502 | 110 | 165 |
| 200 | 465 | 135 | 185 | 550 | 135 | 185 | 550 | 135 | 185 |
| 225 | 505 | 135 | 210 | 605 | 135 | 210 | 605 | 135 | 210 |
| 250 | 555 | 150 | 237 | 665 | 150 | 237 | 665 | 150 | 237 |
| 280 | 600 | 150 | 272 | 730 | 150 | 272 | 730 | 150 | 272 |
| 315 | 660 | 150 | 305 | 810 | 150 | 305 | 810 | 150 | 305 |
| 355 | 750 | 150 | 345 | 890 | 150 | 345 | 890 | 150 | 345 |
| 400 | 845 | 150 | 393 | 1005 | 150 | 393 | 1005 | 150 | 393 |
| 450 | 925 | 150 | 442 | 1105 | 150 | 442 | 1105 | 150 | 442 |

HOLDBACKS

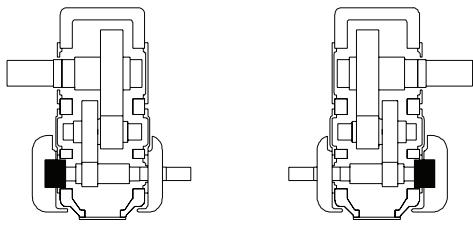
9709

Holdbacks can be fitted to all Series H gear unit types with the exception of H1 single reduction units. They are located externally on helical pinion shafts, positioned as indicated on the diagrams below.

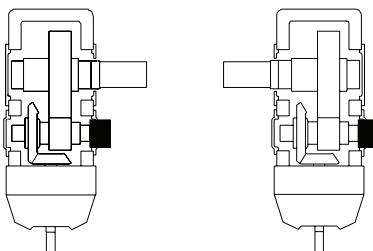
The holdback position for units with right angle shafts, types B2, B2S, B2SF, B3, B3S and B3SF depends on relative shaft rotations.

Position of the holdback on types B2S and B2SF sizes 225, 250, 280 and 315 is on the side opposite to the shrink disc for shaft handings 1 and 2A (See Pages 100 and 101).

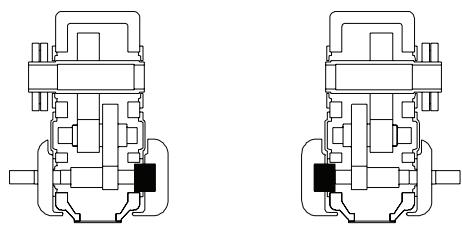
Type H2



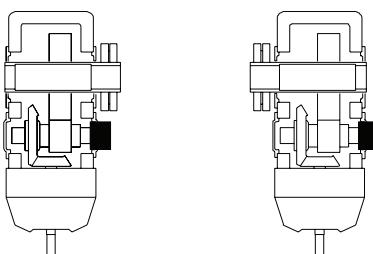
Type B2



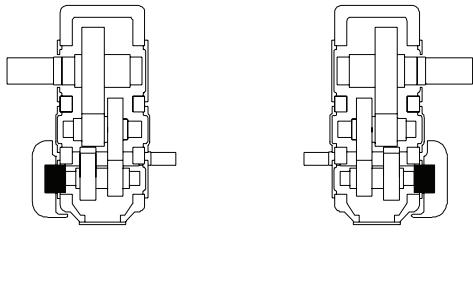
Types H2S and H2SF



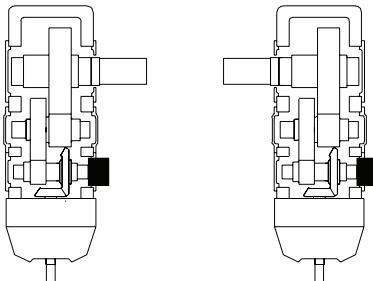
Types B2S and B2SF



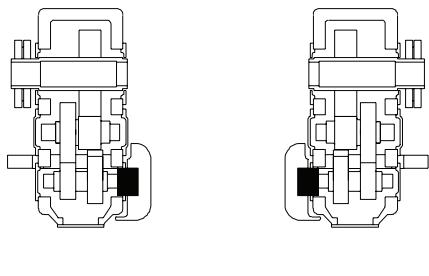
Type H3



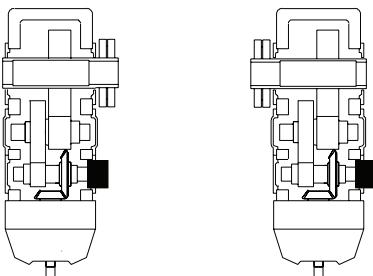
Type B3



Types H3S and H3SF



Types B3S and B3SF



TORQUE ARM

9709

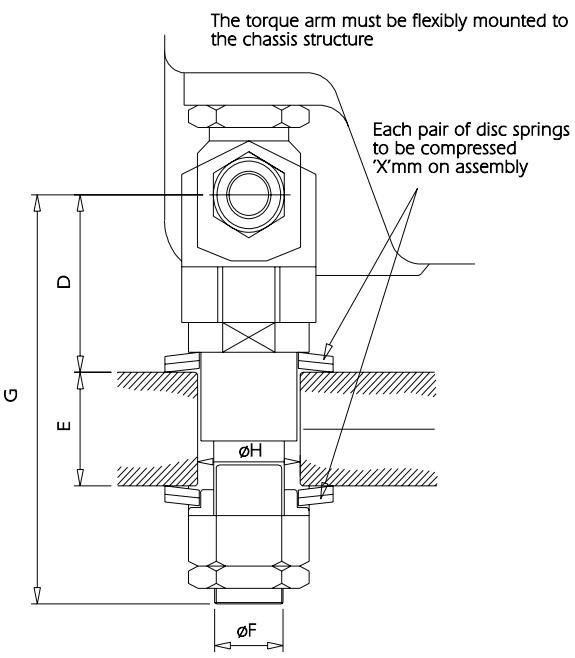
Torque arms are available for double and triple reduction shaft mounted units with a parallel or right angle shafts, types H2S, H3S, B2S and B3S. They are supplied as optional extras and are secured to gear cases as shown below.

Torque arms must be secured to the chassis structure in a flexible mounting as indicated, within a maximum angle of 30° between the vertical plane and a plane towards the gear unit output shaft as illustrated.

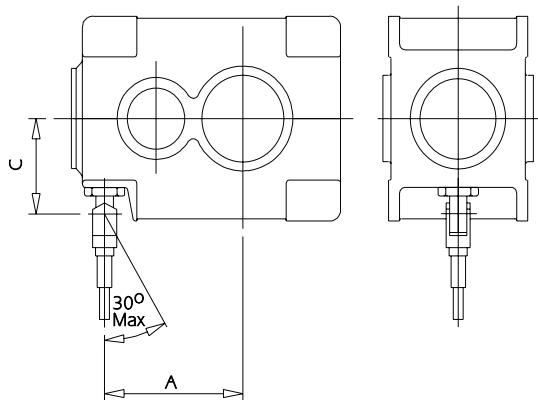
Shaft mounted units are designed to operate in the horizontal position. Reference must be made to Radicon, with details, where units are required to operate in an inclined position or where torque arm mounting positions exceed the 30° maximum angle of inclination to the vertical plane.

SHAFT MOUNTED UNITS FOR HIGH INERTIA DRIVE

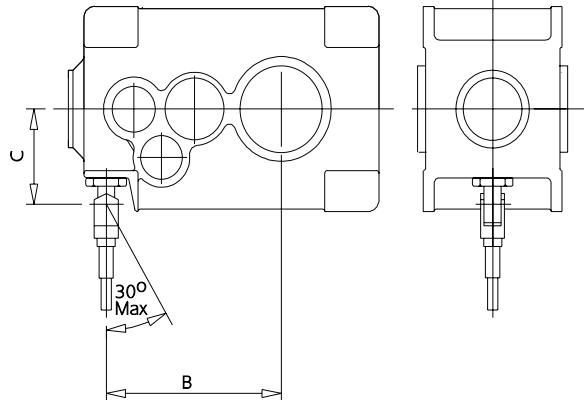
Consult Radicon with specific application details.



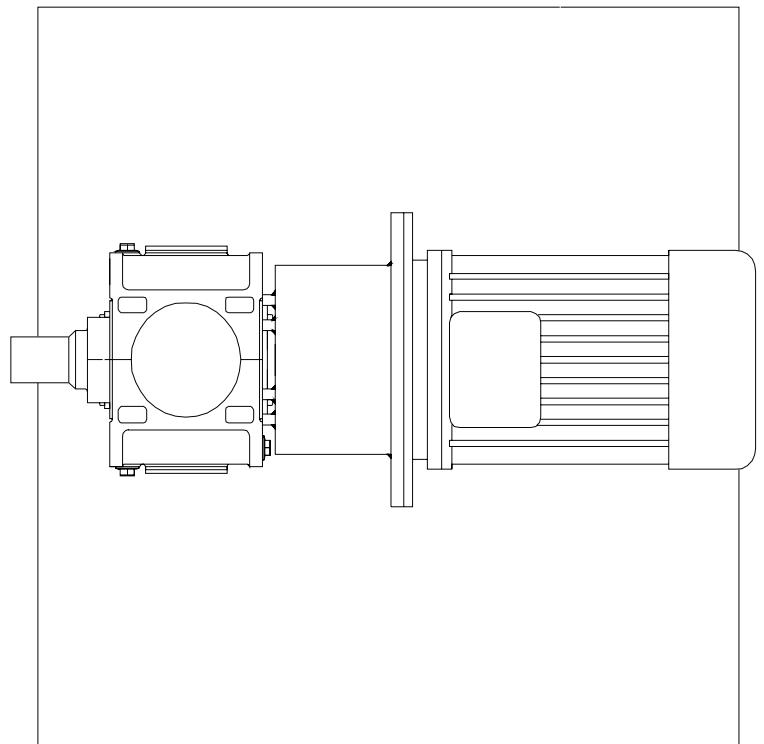
Types B2S



Types H2S, H3S and B3S



| SIZE OF UNIT | Types H2S, H3S, B2S and B3S | | | | | | | | | | |
|--------------------|-----------------------------|-----|-----|-----|----------|----------|-----|-----|-----------------|-----|----|
| | A | B | C | D | E MIN | E MAX | F | G | Disc Spring Ref | X | H |
| 200 | 335 | 420 | 187 | 72 | 35 | 52 | M24 | 168 | 71 x 36 x 4 | 0.8 | 36 |
| 225 | 370 | 470 | 214 | 76 | 40 | 60 | M30 | 188 | 80 x 41 x 4 | 1.1 | 41 |
| 250 | 418 | 528 | 247 | 98 | 50 | 75 | M36 | 237 | 100 x 51 x 5 | 1.4 | 52 |
| 280 | 465 | 595 | 260 | 100 | 50 | 75 | M36 | 237 | 100 x 51 x 6 | 1.1 | 52 |
| 315 | 517 | 667 | 292 | 108 | 60 | 90 | M42 | 270 | 125 x 61 x 6 | 1.8 | 62 |
| 355 | 595 | 735 | 320 | 122 | 70 | 105 | M48 | 308 | 125 x 71 x 6 | 1.7 | 72 |
| 400 | 680 | 840 | 371 | 133 | 70 | 105 | M52 | 329 | 140 x 72 x 8 | 1.6 | 72 |
| 450 | 750 | 930 | 391 | 149 | 80 | 120 | M56 | 364 | 150 x 81 x 8 | 1.8 | 82 |

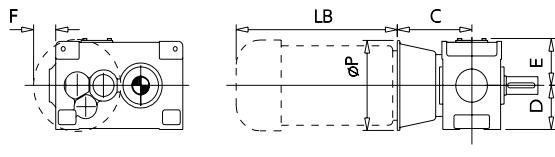


MOTORISED

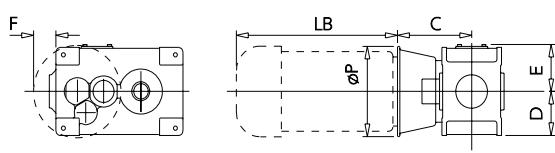
MOTORISED UNITS PARALLEL SHAFTS

9709

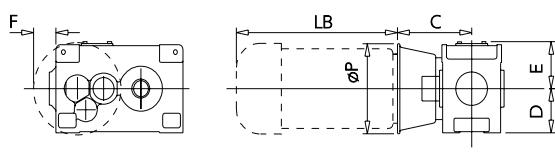
H2M - Foot Mounted



H2SM - Shaft Mounted



H2SFM - Foot / Shaft Mounted



Types H2M, H2SM and H2SFM Parallel Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | D | E | F |
|-----------|------------------|-----|-----|----------|-----|-----|-----|
| 200 | D225 | 408 | 450 | 786 | 225 | 239 | 110 |
| | D250 | 408 | 550 | 839 | | | 160 |
| 225 | D250 | 458 | 550 | 839 | 250 | 267 | 150 |
| | • D280 | 488 | 550 | 951 | | | |
| 250 | D250 | 473 | 550 | 839 | 280 | 298 | 135 |
| | D280 | 503 | 550 | 951 | | | 135 |
| | D315 | 503 | 660 | 1028 | | | 190 |

- For types H2M, H2SM and H2SFM
C = 458 for frame D280 when fitted to units with ratios 12.6 to 25.6

Dimensions LB show maximum recommended motor lengths. Where motor lengths greater than those indicated are considered, refer to Radicon

VERTICAL DRIVES Types VH2M and VH3M Parallel Shafts

Motorised parallel shaft units of double and triple reduction types are available over an extensive power range. Please consult Radicon with details of application.

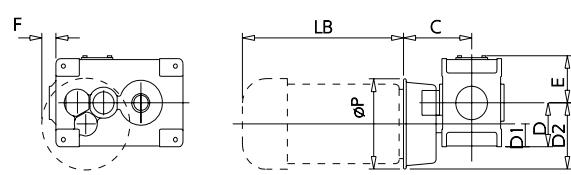
Types H3M, H3SM and H3SFM Parallel Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | D | D1 | D2 | E | F |
|-----------|------------------|-----|-----|----------|------|------|-----|-----|-----|
| 200 | D160 | 358 | 350 | 540 | 225 | 122 | 278 | 239 | 16 |
| | D180 | 358 | 350 | 598 | | | 278 | | 16 |
| | D200 | 358 | 400 | 651 | | | 303 | | 41 |
| | D225 | 388 | 450 | 786 | | | 328 | | 66 |
| 225 | D160 | 378 | 350 | 540 | 250 | 132 | 293 | | 9 |
| | D180 | 378 | 350 | 598 | | | 293 | | 9 |
| | D200 | 378 | 400 | 651 | | | 318 | 267 | 34 |
| | D225 | 428 | 450 | 786 | | | 343 | | 59 |
| | D250 | 428 | 550 | 839 | | | 393 | | 109 |
| 250 | D180 | 413 | 350 | 598 | 280 | 150 | 305 | | - |
| | D200 | 413 | 400 | 651 | | | 330 | | 8 |
| | D225 | 443 | 450 | 786 | | | 355 | 298 | 33 |
| | D250 | 443 | 550 | 839 | | | 405 | | 83 |
| | D280 | 473 | 550 | 951 | | | 405 | | 83 |
| 280 | D200 | 443 | 400 | 651 | 315* | 167* | 348 | | - |
| | D225 | 463 | 450 | 786 | | | 373 | | 9 |
| | D250 | 493 | 550 | 839 | | | 423 | 327 | 59 |
| | D280 | 523 | 550 | 951 | | | 423 | | 59 |
| 315 | D225 | 483 | 450 | 786 | 1028 | 190* | 390 | 350 | - |
| | D250 | 513 | 550 | 839 | | | 440 | | 28 |
| | D280 | 543 | 550 | 951 | | | 440 | | 28 |
| | D315 | 543 | 660 | 1028 | | | 495 | | 83 |

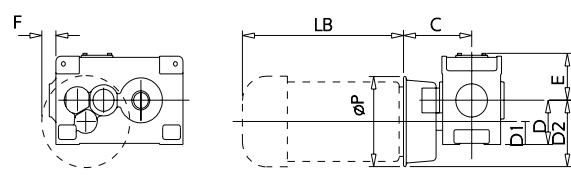
* Note: For shaft mounted units, type H3SM

D = 310 and D1 = 162 for size 280
D = 330 and D1 = 165 for size 315

H3SM - Shaft Mounted



H3SFM - Foot / Shaft Mounted



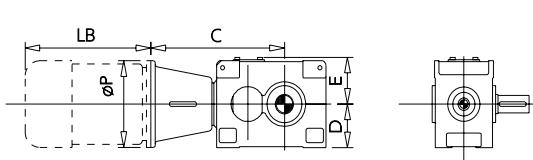
MOTORISED UNITS

HORIZONTAL MOUNTING

RIGHT ANGLE SHAFTS

9709

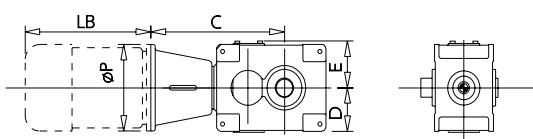
B2M - Foot Mounted



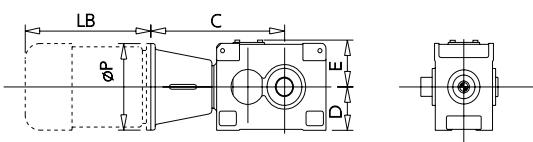
Types B2M, B2SM and B2SFM Right Angle Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | D | E |
|-----------|------------------|-----|-----|----------|-----|-----|
| 200 | D225 | 748 | 450 | 786 | 225 | 239 |
| | D250 | 778 | 550 | 839 | | |
| | D280 | 808 | 550 | 951 | | |
| 225 | D250 | 833 | 550 | 839 | 250 | 267 |
| | D280 | 863 | 550 | 951 | | |
| | D315 | 863 | 660 | 1028 | | |
| 250 | D280 | 918 | 550 | 951 | 280 | 298 |
| | D315 | 918 | 660 | 1028 | | |

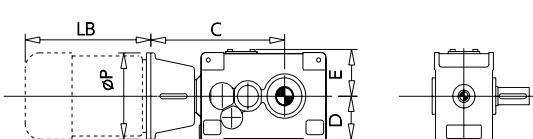
B2SM - Shaft Mounted



B2SFM - Foot / Shaft Mounted



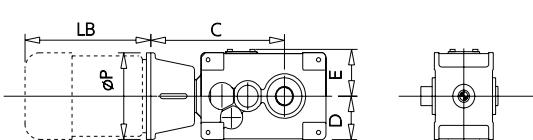
B3M - Foot Mounted



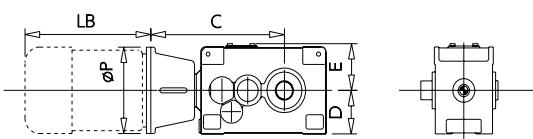
Types B3M, B3SM and B3SFM Right Angle Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | D | E |
|-----------|------------------|------|-----|----------|------|-----|
| 200 | D132 | 738 | 300 | 418 | 225 | 239 |
| | D160 | 768 | 350 | 540 | | |
| | D180 | 768 | 350 | 598 | | |
| | D200 | 768 | 400 | 651 | | |
| | D225 | 798 | 450 | 786 | | |
| | D250 | 798 | 550 | 839 | | |
| 225 | D200 | 833 | 400 | 651 | 250 | 268 |
| | D225 | 883 | 450 | 786 | | |
| | D250 | 883 | 550 | 839 | | |
| | D280 | 913 | 550 | 951 | | |
| 250 | D225 | 958 | 450 | 786 | 280 | 298 |
| | D250 | 958 | 550 | 839 | | |
| | D280 | 988 | 550 | 951 | | |
| | D315 | 988 | 660 | 1028 | | |
| 280 | D225 | 1028 | 450 | 786 | 315* | 327 |
| | D250 | 1058 | 550 | 839 | | |
| | D280 | 1088 | 550 | 951 | | |
| | D315 | 1088 | 660 | 1028 | | |
| 315 | D250 | 1148 | 550 | 839 | 355* | 350 |
| | D280 | 1178 | 550 | 951 | | |
| | D315 | 1178 | 660 | 1028 | | |

B3SM - Shaft Mounted



B3SFM - Foot / Shaft Mounted



* Note: For shaft mounted units, type B3SM
D = 310 for size 280
D = 330 for size 315

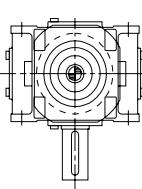
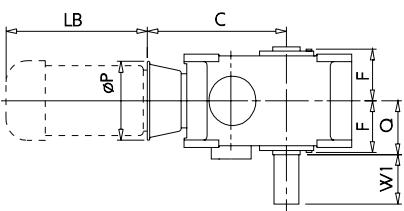
MOTORISED UNITS

VERTICAL DRIVES

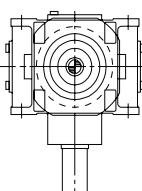
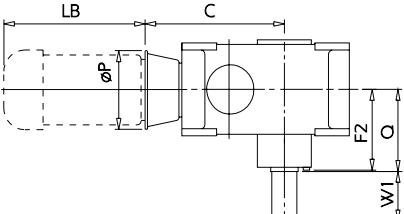
RIGHT ANGLE SHAFTS

9709

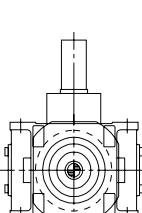
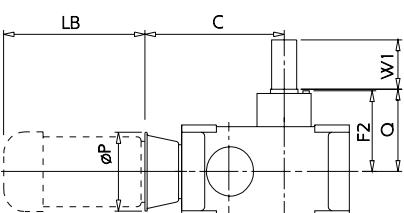
VB2 M - Standard Unit



VB2 SAM - Heavy Duty Stirrer Drives



VB2 CTM - Cooling Tower Drives



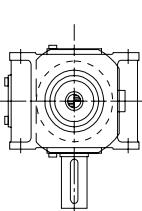
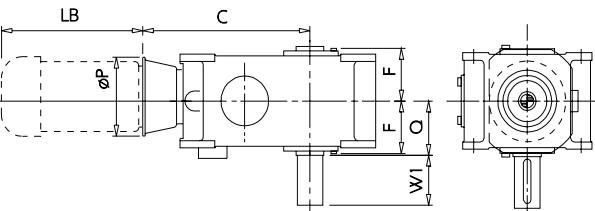
Types VB2M, VB2 SAM, VB2 STM - Right Angle Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | F | F2 | | Q | | W1 * | |
|-----------|------------------|-----|-----|----------|-----|-----|-----|-----|-----|------|-----|
| | | | | | | SAM | CTM | M | SAM | CTM | M |
| 200 | D225 | 748 | 450 | 786 | 180 | 295 | 330 | 185 | 300 | 335 | 170 |
| | D250 | 778 | 550 | 839 | | 330 | 370 | 205 | 335 | 375 | 210 |
| | D280 | 808 | 550 | 951 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 225 | D250 | 833 | 550 | 839 | 203 | 330 | 370 | 205 | 335 | 375 | 210 |
| | D280 | 863 | 550 | 951 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D315 | 863 | 660 | 1028 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 250 | D280 | 918 | 550 | 951 | 215 | 355 | 395 | 220 | 360 | 400 | 210 |
| | D315 | 918 | 660 | 1028 | | 355 | 395 | 220 | 360 | 400 | 210 |

* Dimension W1 for VB2 CTM cooling tower units are made to suit customers' fan hub requirements

Dimensions LB show maximum recommended motor lengths. Where motor lengths greater than those indicated are considered, refer to Radicon

VB3 M - Standard Unit



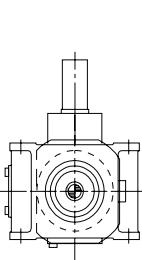
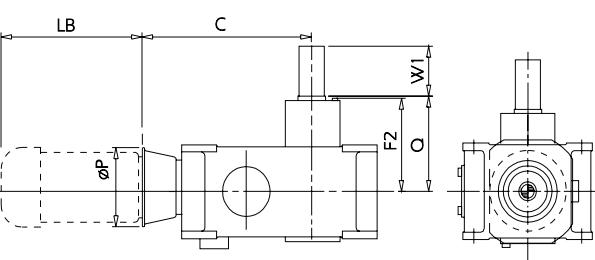
Types VB3M, VB3 SAM, VB3 STM - Right Angle Shafts

| Unit Size | Motor Frame Size | C | P | LB (Max) | F | F2 | | Q | | W1 * | |
|-----------|------------------|------|-----|----------|-----|-----|-----|-----|-----|------|-----|
| | | | | | | SAM | CTM | M | SAM | CTM | M |
| 200 | D132 | 728 | 300 | 418 | 180 | 295 | 330 | 185 | 300 | 335 | 170 |
| | D160 | 768 | 350 | 540 | | 330 | 370 | 205 | 335 | 375 | 210 |
| | D180 | 758 | 350 | 598 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D200 | 758 | 400 | 651 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D225 | 798 | 450 | 786 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D250 | 798 | 550 | 839 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 225 | D200 | 833 | 400 | 651 | 203 | 330 | 370 | 205 | 335 | 375 | 210 |
| | D225 | 883 | 450 | 786 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D250 | 883 | 550 | 839 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D280 | 913 | 550 | 951 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 250 | D225 | 958 | 450 | 786 | 215 | 355 | 395 | 220 | 360 | 400 | 210 |
| | D250 | 958 | 550 | 839 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D280 | 988 | 550 | 951 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D315 | 988 | 660 | 1028 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 280 | D225 | 1028 | 450 | 786 | 237 | 390 | 430 | 240 | 395 | 435 | 210 |
| | D250 | 1058 | 550 | 839 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D280 | 1088 | 550 | 951 | | 355 | 395 | 220 | 360 | 400 | 210 |
| | D315 | 1088 | 660 | 1028 | | 355 | 395 | 220 | 360 | 400 | 210 |
| 315 | D250 | 1148 | 550 | 839 | 256 | 435 | 465 | 260 | 440 | 470 | 250 |
| | D280 | 1178 | 550 | 951 | | 435 | 465 | 260 | 440 | 470 | 250 |
| | D315 | 1178 | 660 | 1028 | | 435 | 465 | 260 | 440 | 470 | 300 |

* Dimension W1 for VB3 CTM cooling tower units are made to suit customers' fan hub requirements

Dimensions LB show maximum recommended motor lengths. Where motor lengths greater than those indicated are considered, refer to Radicon

VB3 CTM - Cooling Tower Drives



SHIPPING SPECIFICATION

WEIGHT

9605

| UNIT TYPE | UNITSIZE | | | | | | | | | | |
|--------------|----------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| H1 | 150 | 190 | 240 | 300 | 395 | 495 | 680 | 915 | 1210 | 1650 | 2265 |
| H2 | 235 | 265 | 300 | 360 | 470 | 590 | 810 | 1090 | 1445 | 1970 | 2690 |
| H2SF | 235 | 265 | 300 | 360 | 470 | 590 | 810 | 1090 | 1445 | 1970 | 2690 |
| H2S | 235 | 265 | 300 | 352 | 460 | 580 | 795 | 1070 | 1420 | 1930 | 2640 |
| VH2 | 235 | 265 | 300 | 360 | 470 | 590 | 810 | 1090 | 1445 | 1970 | 2690 |
| VH2SA | 260 | 295 | 330 | 400 | 520 | 650 | 890 | 1200 | 1590 | 2170 | 2960 |
| VH2CT | 260 | 295 | 330 | 400 | 520 | 650 | 890 | 1200 | 1590 | 2170 | 2960 |
| H3 | 290 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| H3SF | 290 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| H3S | 290 | 310 | 330 | 373 | 480 | 620 | 835 | 1130 | 1500 | 2040 | 2790 |
| VH3 | 290 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| VH3SA | 320 | 340 | 365 | 420 | 540 | 695 | 935 | 1265 | 1680 | 2290 | 3125 |
| VH3CT | 320 | 340 | 365 | 420 | 540 | 695 | 935 | 1265 | 1680 | 2290 | 3125 |
| B2 | 270 | 285 | 305 | 340 | 455 | 560 | 750 | 1000 | 1520 | 2050 | 2680 |
| B2SF | 270 | 285 | 305 | 340 | 455 | 560 | 750 | 1000 | 1520 | 2050 | 2680 |
| B2S | 270 | 285 | 305 | 334 | 448 | 550 | 738 | 985 | 1500 | 2010 | 2630 |
| VB2 | 270 | 285 | 305 | 340 | 455 | 560 | 750 | 1000 | 1520 | 2050 | 2680 |
| VB2SA | 300 | 315 | 335 | 375 | 500 | 615 | 825 | 1100 | 1670 | 2255 | 2950 |
| VB2CT | 300 | 315 | 335 | 375 | 500 | 615 | 825 | 1100 | 1670 | 2255 | 2950 |
| B3 | 300 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| B3SF | 300 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| B3S | 300 | 310 | 330 | 373 | 480 | 620 | 835 | 1130 | 1500 | 2040 | 2790 |
| VB3 | 300 | 310 | 330 | 380 | 490 | 630 | 850 | 1150 | 1525 | 2080 | 2840 |
| VB3SA | 330 | 340 | 365 | 420 | 540 | 695 | 935 | 1265 | 1680 | 2290 | 3125 |
| VB3CT | 330 | 340 | 365 | 420 | 540 | 695 | 935 | 1265 | 1680 | 2290 | 3125 |

ALL WEIGHTS IN KG

ALL WEIGHTS EXCLUDE LUBRICANT

SHIPPING SPECIFICATION

VOLUME

9606

| UNIT TYPE | UNITSIZE | | | | | | | | | | |
|--------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 |
| H1 | 0.073 | 0.112 | 0.152 | 0.200 | 0.281 | 0.377 | 0.489 | 0.695 | 0.975 | 1.322 | 1.867 |
| H2 | 0.088 | 0.092 | 0.161 | 0.208 | 0.308 | 0.401 | 0.534 | 0.728 | 1.073 | 1.443 | 2.059 |
| H2SF | 0.079 | 0.107 | 0.141 | 0.183 | 0.264 | 0.351 | 0.479 | 0.636 | 0.915 | 1.256 | 1.764 |
| H2S | - | - | - | 0.178 | 0.255 | 0.340 | 0.463 | 0.596 | 0.875 | 1.206 | 1.663 |
| VH2 | - | - | - | 0.202 | 0.298 | 0.388 | 0.516 | 0.682 | 1.027 | 1.386 | 1.941 |
| VH2SA | - | - | - | 0.269 | 0.374 | 0.490 | 0.677 | 0.906 | 1.281 | 1.812 | 2.430 |
| H3 | 0.092 | 0.127 | 0.175 | 0.202 | 0.296 | 0.385 | 0.515 | 0.704 | 1.012 | 1.404 | 1.947 |
| H3SF | 0.064 | 0.092 | 0.125 | 0.160 | 0.228 | 0.303 | 0.418 | 0.556 | 0.777 | 1.114 | 1.516 |
| H3S | - | - | - | 0.155 | 0.221 | 0.294 | 0.404 | 0.521 | 0.743 | 1.070 | 1.430 |
| VH3 | - | - | - | 0.195 | 0.286 | 0.373 | 0.497 | 0.659 | 0.968 | 1.348 | 1.836 |
| VH3SA | - | - | - | 0.246 | 0.339 | 0.444 | 0.618 | 0.832 | 1.149 | 1.676 | 2.197 |
| B2 | 0.086 | 0.119 | 0.163 | 0.221 | 0.300 | 0.382 | 0.518 | 0.702 | 1.019 | 1.383 | 1.945 |
| B2SF | 0.058 | 0.084 | 0.131 | 0.176 | 0.238 | 0.314 | 0.441 | 0.495 | 0.826 | 1.171 | 1.611 |
| B2S | - | - | - | 0.181 | 0.246 | 0.324 | 0.450 | 0.573 | 0.831 | 1.178 | 1.606 |
| VB2 | - | - | - | 0.225 | 0.318 | 0.403 | 0.539 | 0.713 | 1.046 | 1.416 | 1.978 |
| VB2SA | - | - | - | 0.290 | 0.385 | 0.491 | 0.692 | 0.927 | 1.266 | 1.813 | 2.420 |
| B3 | 0.090 | 0.123 | 0.170 | 0.218 | 0.316 | 0.408 | 0.542 | 0.734 | 1.058 | 1.216 | 1.634 |
| B3SF | 0.061 | 0.087 | 0.967 | 0.167 | 0.251 | 0.335 | 0.462 | 0.604 | 0.857 | 1.239 | 1.681 |
| B3S | - | - | - | 0.180 | 0.251 | 0.335 | 0.458 | 0.583 | 0.841 | 1.219 | 1.631 |
| VB3 | - | - | - | 0.214 | 0.306 | 0.396 | 0.524 | 0.688 | 1.012 | 1.406 | 1.915 |
| VB3SA | - | - | - | 0.285 | 0.388 | 0.503 | 0.762 | 0.932 | 1.270 | 1.860 | 2.435 |

ALL VOLUMES IN m³

CONTACT US

AUSTRALIA

Radicon Transmission (Australia) PTY Ltd

Australia
Tel: +61 421 822 315

DENMARK

Benzler Transmission A/S

Dalager 1
DK-2605 Brøndby,
Denmark

Tel: +45 36 34 03 00
Fax: +45 36 77 02 42

SWEDEN & NORWAY

AB Benzlers

Porfyrgatan
254 68 Helsingborg
Sweden

Tel: +46 42 18 68 00
Fax: +46 42 21 88 03

UNITED KINGDOM

Radicon Transmission UK Ltd

Unit J3
Lowfields Business Park,
Lowfields Way, Elland
West Yorkshire, HX5 9DA

Tel: +44 1484 465 800
Fax: +44 1484 465 801

EUROPE

Benzler TBA BV

Jachthavenweg 2
NL-5928 NT Venlo

Germany
Tel: 0800 350 40 00
Fax: 0800 350 40 01

Italy
Tel: +39 02 824 3511

Netherlands & the rest of Europe
Tel: +31 77 324 59 00
Fax: +31 77 324 59 01

FINLAND

Oy Benzler AB

Vanha Talvitie 3C
FI-00580 Helsinki
Finland

Tel: +358 9 340 1716
Fax: +358 10 296 2072

THAILAND

Radicon Transmission (Thailand) Ltd

700/43 Moo 6
Amata Nakorn Industrial Estate
Tumbol Klongtumru
Muang,
Chonburi
20000

Thailand
Tel: +66 3845 9044
Fax: +66 3821 3655

USA

Radicon Drive Systems, Inc.

2475 Alft Lane
Elgin
Chicago
Illinois
60124
USA

Tel: +1 847 593 9910
Fax: +1 847 593 9950

INDIA

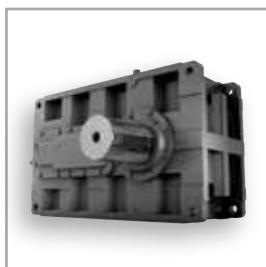
Elecon. Engineering Company Ltd.

Anand Sojitra Road
Vallabh Vidyanagar
388120 Gujarat
India

Tel: +91 2692 236513

www.benzlers.com

www.radicon.com



benzlers®

radicon®

Benzlers

Denmark +45 36 340300
Finland +358 9 3401716
Germany +49 800 3504000
Italy +39 02 824 3511
Sweden +46 42 186800
The Netherlands +31 77 3245900

www.benzlers.com

Radicon

Thailand +66 38459044
United Kingdom +44 1484 465800
USA +1 847 5939910

www.radicon.com