TEMA SPM132

Permanent Magnet Motors



Practicing the advantage of a new permanent magnet motor technology

16-76 HP

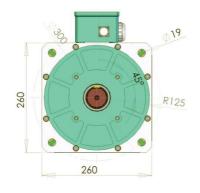


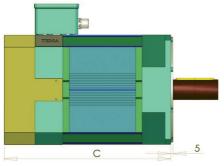
TEMA d.o.o.

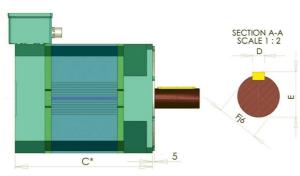
phone.+385/52 216 740 fax.+385/52 507 599 email. info@tema.hr www.tema.hr

SPM132 Your *Permanent* Power

SPM132 motor and generator family is extremely versatile and endurant. Whether in industrial, working machines, automotive or marine applications these motors will give you the best results.

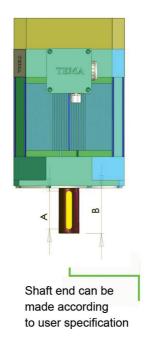


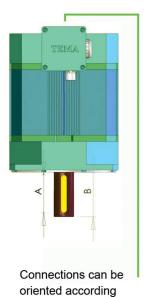




Motor with forced air cooling

Motor with natural cooling





to user specificaton

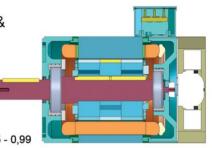
Motor Type	A [mm]	B [mm]	C [mm]	C* [mm]	D [mm]	E [mm]	F [mm]
SPM132-01	80	100	342,5	274,5	12	44,8	42
SPM132-12	90	106	395,0	327,0	14	51,5	48
SPM132-02	90	106	447,5	379,5	14	51,5	48
SPM132-22	90	106	500,0	432,0	14	51,5	48
SPM132-03	90	106	552,5	484,5	14	51,5	48

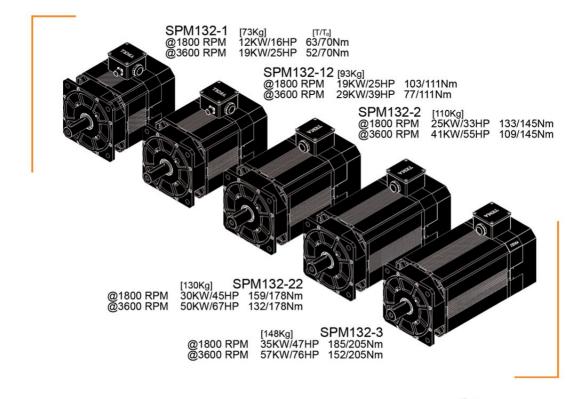
C* - Motor with natural cooling

SPM132 PERMANENT MAGNET MOTOR & GENERATOR FAMILY - TECHNICAL DATA

Isolat Class = H Flange = 260x260mmThrm Class = F Nnom = 1800 & 3600 RPM fnom = 120 & 240 Hz Nmax = 2500/4500 RPMMch Prt IP23 & IP54

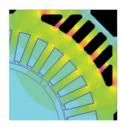
fmax = 166 & 300 Hz cos 0 = 0.95 - 0.99

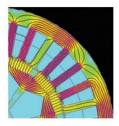






- · Rotor position feedback resolver sensor built in
- · All motors forced ventilation cooled or natural cooled on request
- All motors can operate in 40°C ambient temperature with different tech specification
- · Motors can be supplied in a frameless OEM version We retain the right to change any data without prior notice.





SPM132 is a surface permanent magnet motor and generator family in a standard 132 motor frame. Advanced design of these machines offers higher power concentration (W/cm3), high dynamic and lower torque ripple.

FEATURES |

- · Surface Permanent Magnet segments
- · Mechanical and chemical PM protection
- Constant torque & constant power control features
- · Very low torque ripple
- · Low vibration
- · High efficiency
- · High W/Kg ratio
- · Ambient friendly machine
- · Efficient air cooling system
- · Low thermal dissipation
- · Long life
- · Closed mechanical design

BENEFITS |

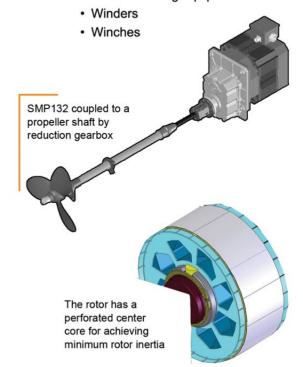
- · Smaller dimensions
- Lower weight
- · Lower cost
- · Smoother running
- · Constant torque across RPM's
- · Mechanically protected PM segments
- · Chemically protected PM segments
- Robust bearing support
- Higher efficiency under various conditions
- · Robust mechanical construction
- Fits submersed applications
- · No maintenance required



The connection box can be arranged according to user needs and specification

APPLICATIONS |

- · Industrial applications
- · Marine applications
- · Electric vehicles
- Power generation
- · Oil industry
- · Machine tool industry
- Mining
- Pumps
- Compressors
- · Cranes & Hoists
- Elevators
- · Paper machines
- · Air conditioning equipment



Advance technical features make these electric machines perfect for highly demanding purposes and long life reliance while offering an ambient friendly solution.

All applications where precise speed and/or torque control are required the SPM132 permanent magnet motor family is the best solution.



Cooling system integrated in to the stator structure



Precise and high quality winding



Robust industrial strength

The SPM132 is a highly efficient generator and can work with all types of prime movers, resulting in a very compact generator set.













SPM132 is optimal for electro propulsion solutions. Whether in marine applications or electric vehicles, the benefits are numerous. Smaller dimensions, less vibration and lower noise will make your driving experience more comfortable, while leaving no carbon footprint.