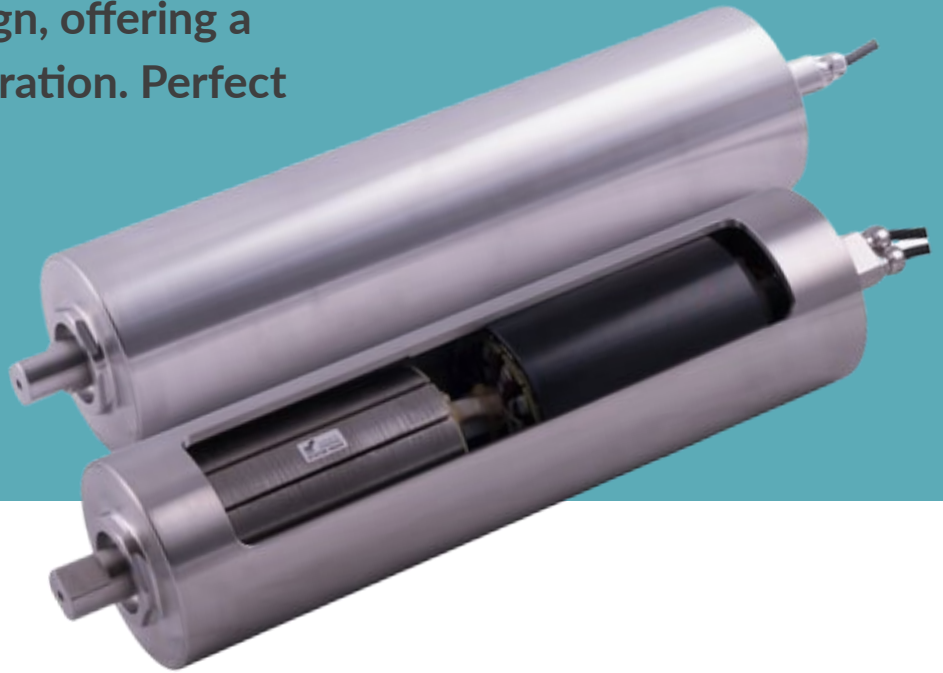


DIRECT DRIVE DRUM MOTOR

A unique gearless design, offering a clean and efficient operation. Perfect for the food industry.



Increase the overall performance and quality of your systems with the direct drive motor technology of Magnetic Innovations.

Are you having problems with?

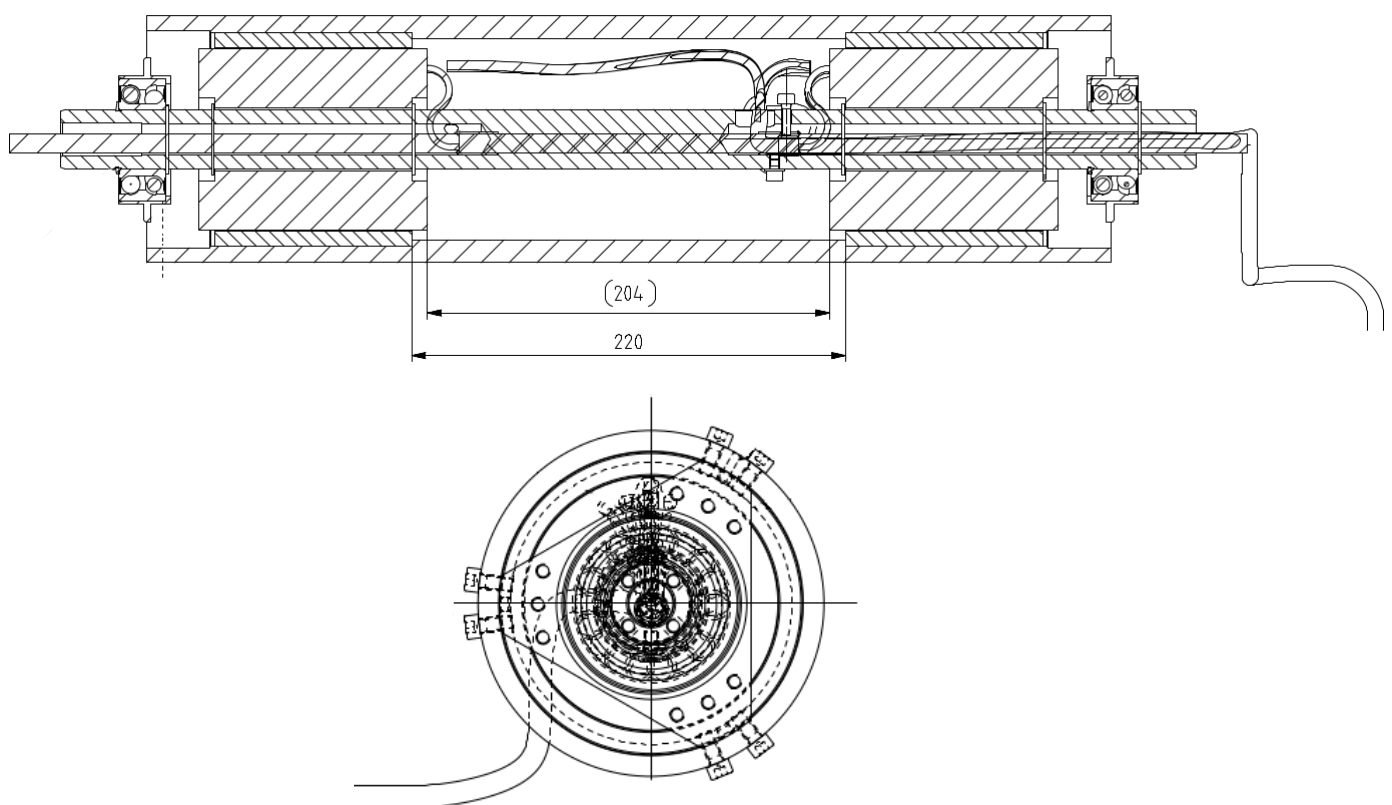
- Poor motor life
- High maintenance cost and downtime
- Bulky gearboxes
- Control complexity
- High energy usage

If so, you are looking for our drum motor!

Our motor offers companies the possibility to boost productivity while cutting cost at the same time. Perfect for the food industry. Our drum motor has:

- Long lifetime due to the absence of moving parts
- Low maintenance cost and downtime
- Fast start and stop movements
- A compact hygienic design (IP69K)
- Low energy usage
- A fair price

Mechanical Dimensions Drum Motor



Nominal motor performance

Description	Unit	MI-Drum
Motor type Max DC bus Voltage	VDC	600
Stall torque	Nm	38,8
Continuous torque	Nm	44,4
Peak torque	Nm	173,0
Torque constant at 20°C	Nm/Arms	12,19
Motor constant at 20°C	(Nm) ² /W	9,6
Stall current	Arms	3,1
Continuous current	Arms	3,6
Peak current	Arms	20,9
Maximum no load rpm	rpm	500
Back EMF constant *	V _{rms} /rpm	0,827
Coil Resistance at 20°C *	Ohm	10,33
Coil Induction *	mHenry	111,6
Electric time constant	msec	10,8
Max. Continuous Power Dissipation	Watt	310
Thermal resistance	K/W	0,32
Rotor outer diameter	mm	120
Shaft length	mm	530
Pole pairs	-	7
Temperature sensor	-	Optional
Rotor Inertia	kg.m ²	0,0256
Stator Mass	kg	13,3
Rotor Mass	kg	9,1
Total Mass	kg	22,5



GO DIRECT DRIVE!

Choose maintenance free and cost efficient design.

This information is confidential. All rights are reserved, reproduction in whole or in part is prohibited without written consent from Magnetic Innovations B.V.



For more detailed information please contact us via
info@magneticinnovations.com