

Brake

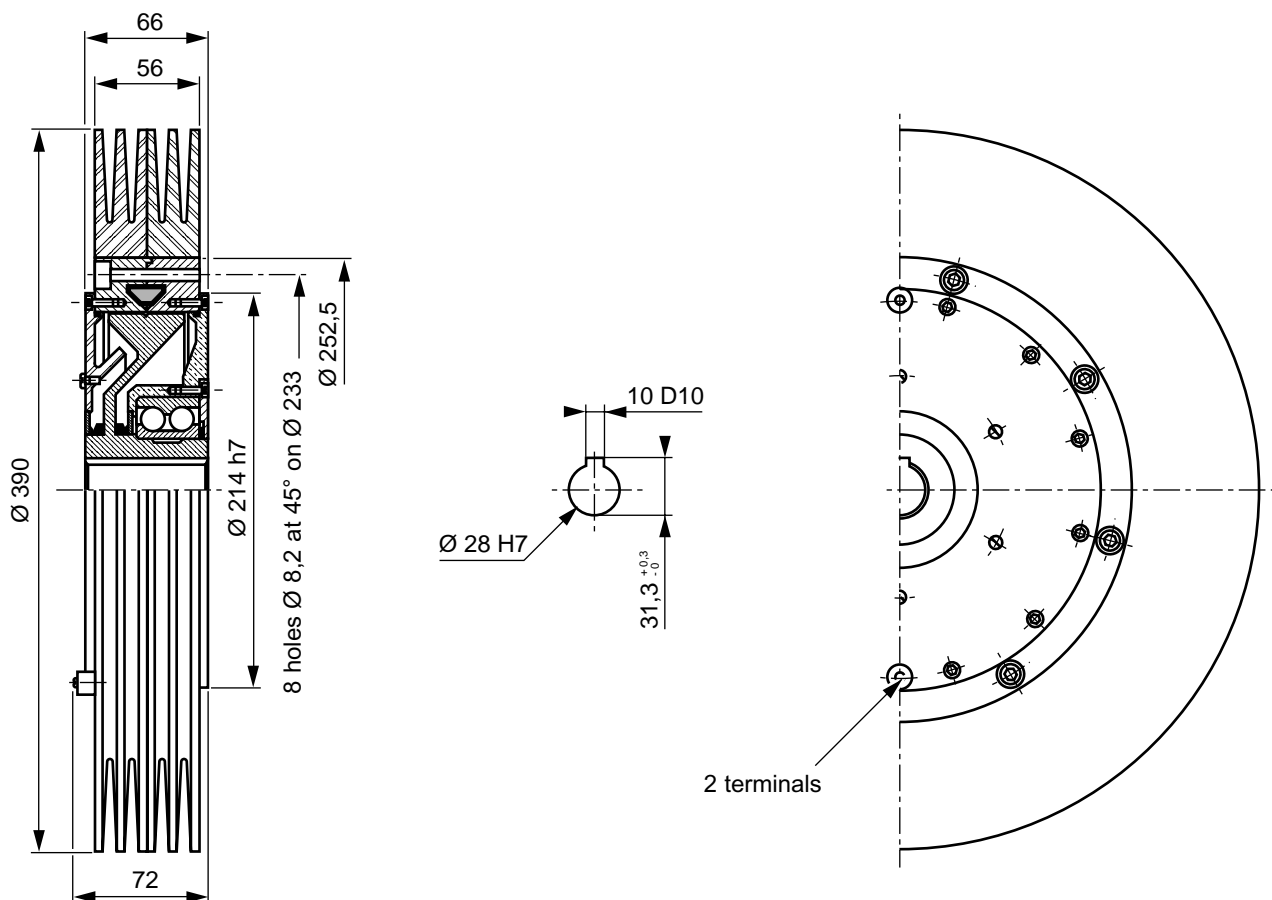
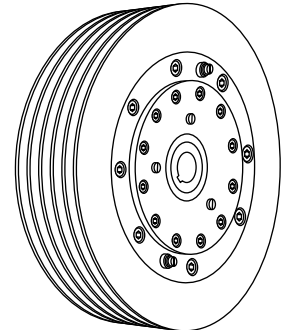
FRAT 1200

ref: 322.600.00

Specifications

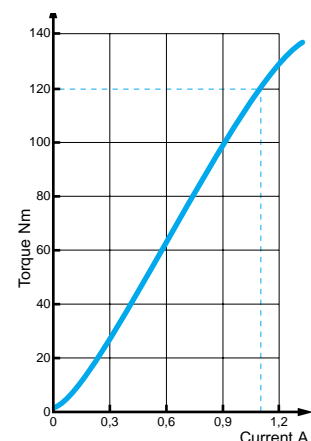
Nominal torque	120	N.m	<i>ft.lbf</i>	90
Minimal torque	1.2	N.m	<i>ft.lbf</i>	0.9
Coil resistance - 20°C			<i>W</i>	12.5
Rated current DC			<i>A</i>	1.1
Rotor inertia	26.5.10 ⁻³	kg.m ²	<i>lb.ft²</i>	615.10⁻³
Weight	25	kg	<i>lb</i>	55.1
Heat dissipation			<i>W*</i>	
continuous sustained without ventilation				550
continuous sustained with MEROBEL ventilation				1900

* Heat dissipation is the mechanical power ($P = cw$) maximum allowable.



Utilization

- Mounting must be made without any stress.
Lubricated for life (other internal lubrication not allowed).
The shaft should be lubricated upon assembly, to prevent seizing.
- Low DC current power supply for coil.
(See MEROBEL Electronic data sheets)
- The standard device is designed for horizontal shaft orientation, and a minimal speed of 60 RPM. Maximum speed is 2000 RPM (without exceeding the max. heat dissipation capability).
- For Engineering application, please contact our technical support.
- In normal use, the outside temperature of the device can increase up to 100°C, without damage.



Safety

- If the device is to be used in dusty, humid or corrosive environment, special protection needs to be considered.
- To protect the device from overheating, a thermal sensor can be added.

Maintenance

- Two procedures are available:
 - Full inhouse maintenance servicing:

MEROBEL Inc. after sales	Ph 732 493 3232
1705 Valley Road	Fax 732 493 2949
Wanamassa, NJ 07712	
 - Spare parts or repair kits (depending on maintenance level):

- Kit (powder, ball bearings, seals, felts)	ref: 812.040.00
- Coil	ref: 317.400.10
- Rotor	ref: 316.200.04
- In any case, our After Sales service is at your disposal.

Recommended mounting principle

