

Ø 42 mm 10 and 17 Watts 17 W Part number 82800038



- Usable power : 9 to 16 W
- For low-speed drive applications
- Sintered bronze bearings lubricated for life
- Power supply by 4.75 mm tags
- Interchangeable brushes
- Optional one-channel encoder

Part numbers

	Type	Type	Voltage	References
82 800 038	17 W	82 800 0	48 V	-

Specifications

No-load characteristics

Speed of rotation (rpm)	2800
Absorbed power (W)	5,8
Absorbed current (A)	0,12

General characteristics

Speed (rpm)	2000
Torque (mNm)	72
Usable power (W)	15
Absorbed power (W)	28,8
Absorbed current (A)	0,6
Gearbox case temperature rise (°C)	45
Efficiency (%)	52

General characteristics

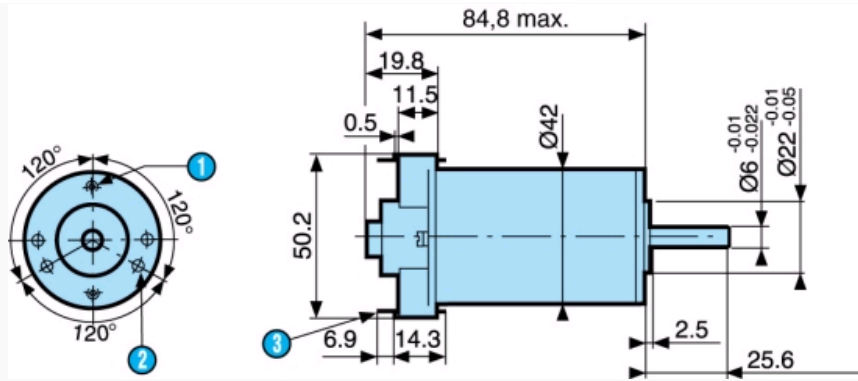
Insulation class (conforming to IEC 85)	F (155 °C)
Protection (IEC/EN 60529)	IP20
Max. output power (W)	16,7
Start torque (mNm)	210
Starting current (A)	1,5
Resistance (Ω)	30
Inductance (mH)	38
Torque constant (Nm/A)	0,1419
Electrical time constant (ms)	1,26
Mechanical time constant (ms)	17
Thermal time constant (mn)	12
Inertia (g.cm ²)	115
Weight (g)	400
Number of segments	8
Service life (h)	3000
Sintered bronze bearings	■
Replaceable brushes	■

Made to order products, available on request

- **Special interference suppression**
- Other supply voltages
- Motor with 1 ball bearing at front (essential for vertical motor)
- Shaft lengths at front and/or rear
- 5 pulses/revolution magnetic encoder
- Reversible magnetic encoder (1 or 5 pulses/revolution)
- Other fixing flanges on front

Dimensions (mm)

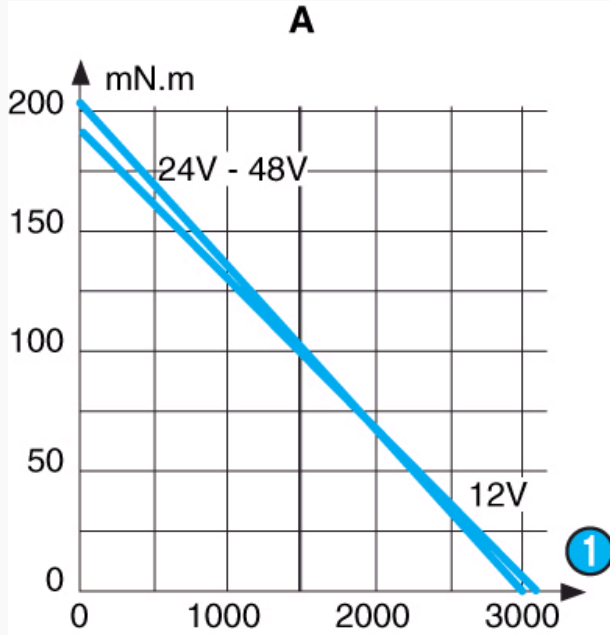
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N°	Legend
1	2 x M3 at 180°, depth 5 mm over Ø 32
2	2 holes Ø 2.75 ±0.05 at 120° depth 5 mm Ø 32
3	2 tags IEC 760, series 4.8 x 0.5

Curves

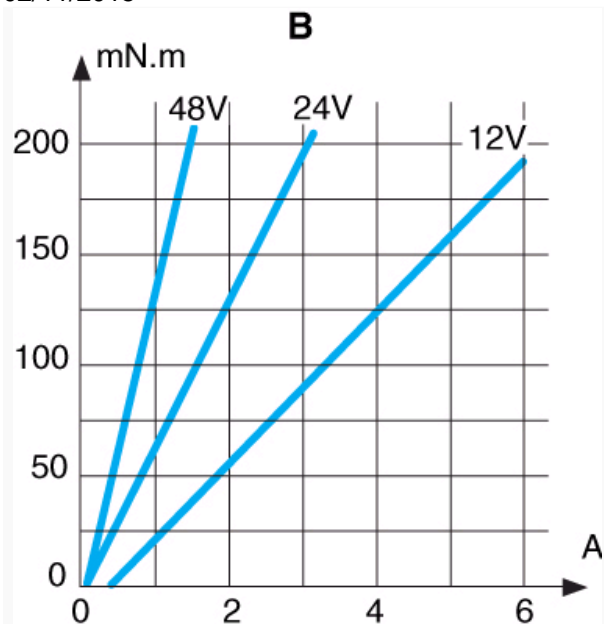
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N°	Legend
1	rpm
	Torque/speed curve

Curves

82 800 0



N°	Legend
	Torque/current curve

Product adaptations



- Special output shaft
- Pinion on output shaft
- Special supply voltage
- Special ball bearings
- Special mounting plate
- Special connections
- Encoder : 5, 200, 500 or 1000 pulses/revolution