

D.C. geared motors with brushes

→ 0.5 Nm 3.9 Watts

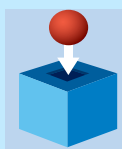
- A range of D.C. geared motors with sintered metal gears. Mechanical rating of gearbox with output shaft stalled : 0.5 Nm.
- 3.9 Watt motor power
- Available in either 12 or 24 V D.C. versions.
- Gearbox ratios options for 1.5 to 441 rpm.
- Options with magnetic encoder.



Specifications

		3.9 Watts	3.9 Watts
Type		82 862 0/2	82 862 0/2
Voltage		12 V	24 V
Output speed (rpm)	Ratios (i)		
441	9.76	82 862 001	82 862 004
141	30.6	82 862 002	82 862 005
45	95.4	82 862 003	82 862 006
14	298	82 862 201	82 862 204
5	931	82 862 202	82 862 205
1.5	2910	82 862 203	82 862 206
General characteristics			
Motor		82 860 0	82 860 0
Gearbox		81 012 0 / 81 012 2	81 012 0 / 81 012 2
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) N.m		0.5	0.5
Axial load static (daN)		1	1
Radial load static (daN)		8	8
Max. output (W)		3.9	3.9
Nominal output (W)		3	3
Gearbox case temperature rise (°C)		50	50
Weight (g)		160 / 170	160 / 170

Product adaptations

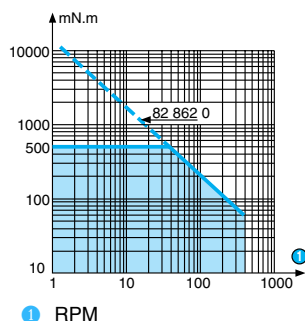


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

Curves

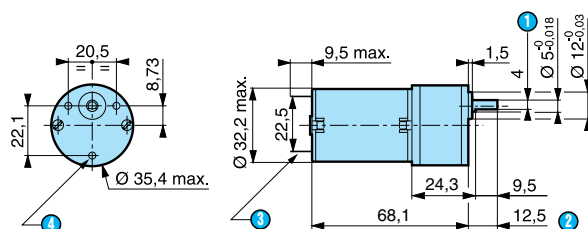
The shaded zone represents the operating range of the geared motor.
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.
For higher torque ratings, service life will be reduced.

Nominal speed and torque curves



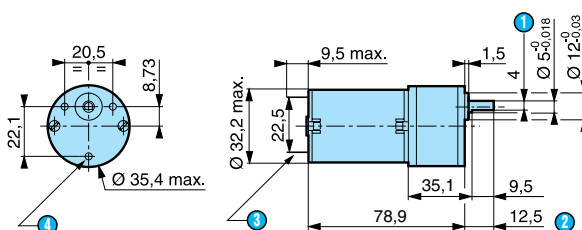
Dimensions

82 862 0



- 1 4 mm across flats
- 2 (shaft pushed-in ←)
- 3 2 tags NFC 20-120 series 2.8 x 0.5 mm
- 4 3 holes M3 depth 4.5 mm

82 862 2



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- 2 (shaft pushed-in ←)
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