

D.C. geared motors with brushes

→ 6 Nm 10 and 17 Watts

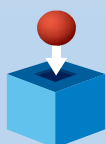
- A range of D.C. geared motors with solid metal gears. Mechanical rating of gearbox with output shaft stalled : 6 Nm.
- 10 and 17 Watt motor power.
- Available in either 12, 24 or 48 V D.C.
- Gearbox ratios options for 4 to 12 rpm.



Specifications

		10 Watts	10 Watts	17 Watts	17 Watts
Type		82 812 5	82 812 5	82 802 5	82 802 5
Voltage		12 V	24 V	12 V	24 V
Standard speed (rpm)		2600	2600	2600	2600
Output speed (rpm)	Ratios (i)				
12	650/3	●	●	●	●
8	338	●	●	●	●
4	650	●	●	●	●
General characteristics					
Motor		82 810 0	82 810 0	82 800 0	82 800 0
Gearbox		81 032 6	81 032 6	81 032 6	81 032 6
Maximum permitted torque from gearmotor under continuous conditions for 10 millions turns (Nm)		6	6	6	6
Axial load dynamic (daN)		3,5	3,5	3,5	3,5
Radial load dynamic (daN)		5	5	5	5
Max. output (W)		10,3	9,5	16,3	17
Nominal output (W)		9,4	8,7	15,7	15,6
Gearbox case temperature rise (°C)		45	46	44	40
Weight (g)		880	880	880	880

Product adaptations

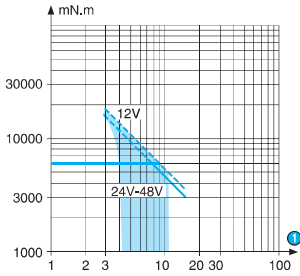


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

Curves

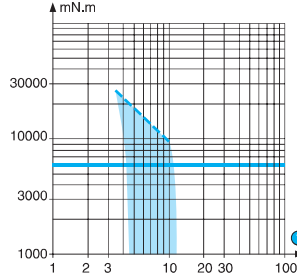
The shaded zone represents the operating range of the geared motor.
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.
For higher torque ratings, service life will be reduced.

Nominal speed and torque curves 82 812 5



① RPM

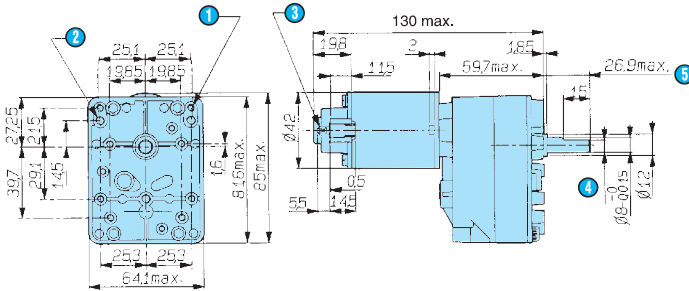
Nominal speed and torque curves 82 802 5



① RPM

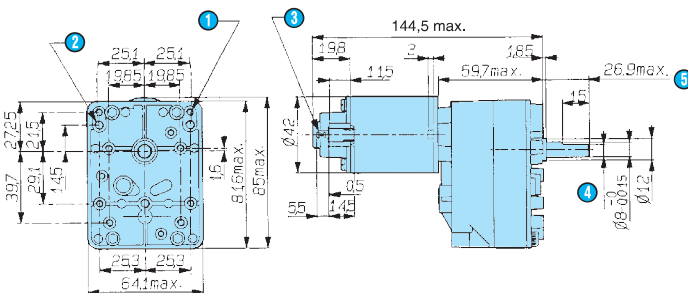
Dimensions

82 812 5



- ① 8 holes M4 depth 7.5 mm
- ② 3 holes M5 at 120° depth 7.5 mm
- ③ 2 tags IEC 760 series 4.8 x 0.5 mm
- ④ 7 mm across flats
- ⑤ (shaft pushed-in ←)

82 802 5



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