D.C. geared motors with brushes

➜ 1.2 Nm 10 and 17 Watts

A range of D.C. geared motors with solid metal gears

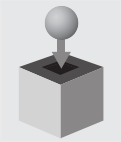
- **Mechanical rating of gearbox with output shaft stalled : 1.2 Nm**
- **10 and 17 Watt motor power**
- **Available in either 12, 24 or 48 V D.C.**
- **Gearbox ratios options for 20 to 100 rpm**



Specifications

		17 Watts		17 Watts		10 Watts		10 watts	
Type		82 802 0		82 802 0		82 812 0		82 812 0	
Voltage		12 V		24 V		12 V		24 V	
Output speed (rpm)	**Ratios (i)**								
100	26	**82 802 0X00026Z**	●	**82 802 0Y00026Z**	●	**82 812 0X00026Z**	●	**82 812 0Y00026Z**	●
80	32.5	**82 802 0X032.5Z**	●	**82 802 0Y032.5Z**	●	**82 812 0X032.5Z**	●	**82 812 0Y032.5Z**	●
60	130/3	**82 802 0X43.33Z**	●	**82 802 0Y43.33Z**	●	**82 812 0X43.33Z**	●	**82 812 0Y43.33Z**	●
38	67.6	**82 802 0X067.6Z**	●	**82 802 0Y067.6Z**	●	**82 812 0X067.6Z**	●	**82 812 0Y067.6Z**	●
30	598/7	**82 802 0X85.43Z**	●	**82 802 0Y85.43Z**	●	**82 812 0X85.43Z**	●	**82 812 0Y85.43Z**	●
20	130	**82 802 0X00130Z**	●	**82 802 0Y00130Z**	●	**82 812 0X00130Z**	●	**82 812 0Y00130Z**	●
General characteristics									
Motor		82 800 0		82 800 0		82 810 0		82 810 0	
Gearbox		81 032 1		81 032 1		81 032 1		81 032 1	
Maximum permitted torque from gearmotor under continuous conditions for 10 millions turns Nm		1.2		1.2		1.2		1.2	
Axial load (dynamic) daN		3.5		3.5		3.5		3.5	
Radial load (dynamic) daN		5		5		5		5	
Max. output (W)		16.3		17		10.3		9.5	
Nominal output (W)		15.7		15.6		9.4		8.7	
Gearbox case temperature rise (°C)		44		40		45		46	
Weight (g)		670		670		670		670	

Products adaptations, available on request

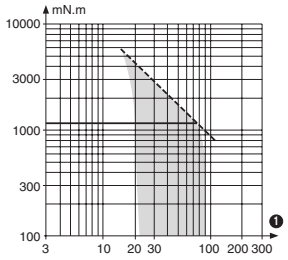


- **Special supply voltages**
- **Special lead lengths**
- **Optional encoder**
- **Special connectors**
- **Special output shafts**
- **Special gearbox ratios**
- **Special gear material**
- **Special output bearings**
- **Special mounting plate**

Curves

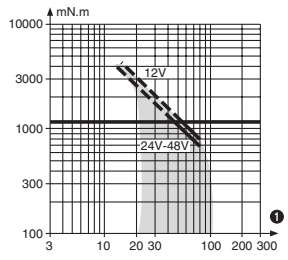
The shaded zone represents the operating range of the geared motor.
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.
For higher torque ratings, service life will be reduced.

Nominal speed and torque curves
82 802 0



❶ RPM

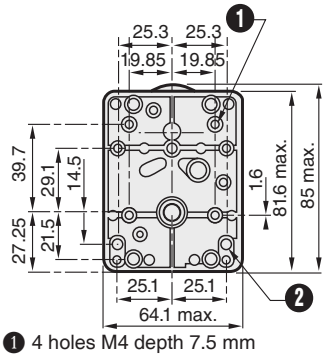
Nominal speed and torque curves
82 812 0

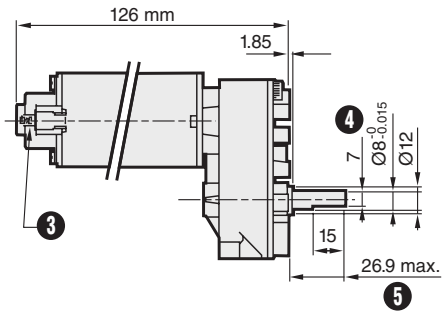


❶ RPM

Dimensions

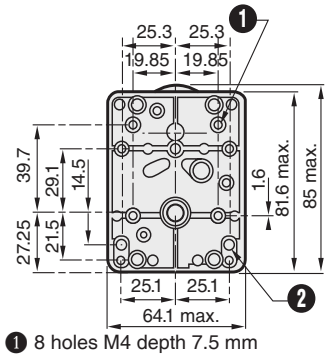
82 802 0 Standard

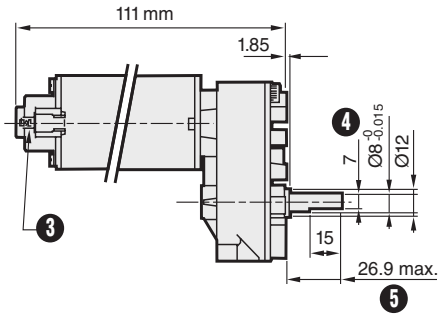




❶ 4 holes M4 depth 7.5 mm
❷ 3 holes M5 at 120° depth 7.5 mm
❸ 2 tags IEC 760 series 4.8 x 0.5 mm
❹ 7 mm across flats
❺ (shaft pushed-in ←)

82 812 0 Standard





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