

D.C. geared motors with brushes

→ 5 Nm 33 Watts

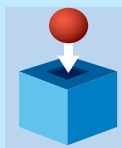
- A range of D.C. geared motors with solid metal gears.
Mechanical rating of gearbox with output shaft stalled : 5 Nm.
- 33 Watt motor power.
- Available in either 12, 24 or 48 V D.C.
- Gearbox ratios options for 7.4 to 426 rpm.



Specifications

		33 Watts	33 Watts
Type		80 835 0	80 835 0
Voltage		12 V	24 V
Standard speed (rpm)		1800 rpm	1800 rpm
Output speed (rpm)	Ratios (i)		
426	4.22	●	●
266	6.75	●	●
235	7.66	●	●
147	12.25	●	●
118	15.31	●	●
73	24.5	●	●
47	38.28	●	●
37	49	●	●
29.4	61.25	●	●
14.7	122.5	●	●
7.4	245	●	●
General characteristics			
Motor		82 830 0	82 830 0
Gearbox		81 035 0	81 035 0
Maximum permitted torque from gearmotor under continuous conditions (N.m)		5	5
Axial load dynamic (daN)		6	6
Radial load dynamic (daN)		6	6
Max. output (W)		33	33
Nominal output (W)		27	27
Gearbox case temperature rise (°C)		50	50
Weight (g)		1540	1540

Product adaptations

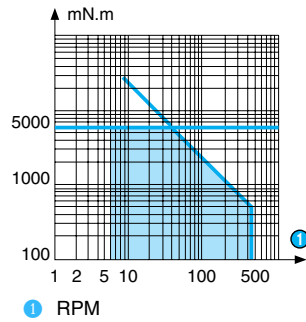


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

Curves

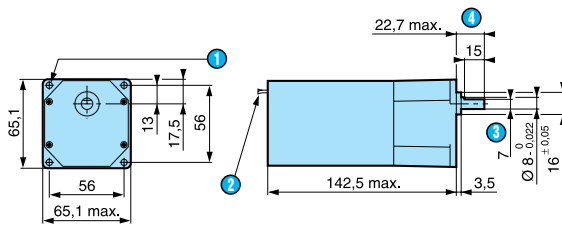
The shaded zone represents the operating range of the geared motor.
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.
For higher torque ratings, service life will be reduced.

Nominal speed and torque curves



Dimensions

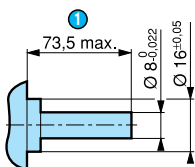
80 835 0



- 1 4 fixing holes $\text{Ø } 4.2$
- 2 Lead length $200 \text{ mm} \pm 10$
- 3 7 mm across flats
- 4 (shaft pushed-in ←)

Options

Gearbox shaft 79 290 064



- 1 (shaft pushed-in ←)