

# 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.

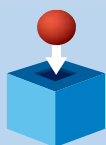


## Specifications

	33 Watts	33 Watts
Type	80 835 0	80 835 0
Voltage	12 V	24 V
Standard speed (rpm)	1800 rpm	1800 rpm
<b>Output speed (rpm)</b>		
	●	●
	80 835 012	80 835 009
	●	●
	80 835 013	80 835 004
	●	●
	80 835 014	80 835 002
	80 835 015	80 835 003
	●	●
	80 835 016	80 835 008
	80 835 017	80 835 006
	80 835 018	80 835 005
<b>General characteristics</b>		
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

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

## Product adaptations

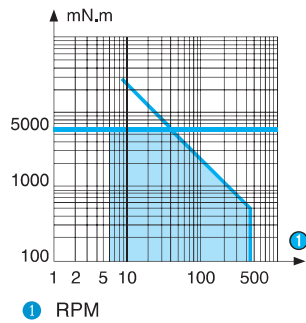


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

## Curves

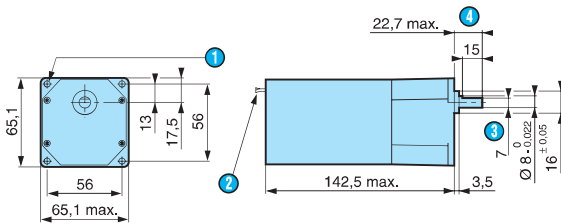
The shaded zone represents the operating range of the geared motor.  
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.  
For higher torque ratings, service life will be reduced.

Nominal speed and torque curves



## Dimensions

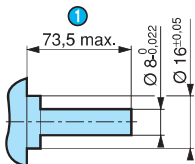
80 835 0



- ① 4 fixing holes  $\varnothing 4.2$
- ② Lead length 200 mm  $\pm 10$
- ③ 7 mm across flats
- ④ (shaft pushed-in  $\leftarrow$ )

## Options

Gearbox shaft 79 290 064



- ① (shaft pushed-in  $\leftarrow$ )