

# D.C. geared motors with brushes

→ 5 Nm 10 and 17 Watts

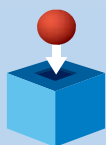
- A range of D.C. geared motors with solid metal gears. Mechanical rating of gearbox with output shaft stalled : 5 Nm.
- 10 and 17 Watt motor power.
- Available in either 12, 24 or 48 V D.C.
- Gearbox ratios options for 1 to 208 rpm.



## Specifications

		17 Watts	17 Watts	10 watts	10 Watts
Type		80 807 0	80 807 0	80 817 0	80 817 0
Voltage		12 V	24 V	12 V	24 V
<b>Output speed (rpm)</b>	<b>Ratios (i)</b>				
208	12,5	80 807 012	80 807 018	•	•
156	50/3	•	•	•	•
104	25	80 807 013	80 807 019	•	•
62	125/3	80 807 014	80 807 020	•	•
42	62,5	80 807 015	80 807 021	•	•
21	125	80 807 016	80 807 001	•	•
10	250	•	•	•	•
5,20	500	80 807 017	80 807 022	•	•
1,04	2500	•	•	•	•
<b>General characteristics</b>					
Motor		82 800 0	82 800 0	82 810 0	82 810 0
Gearbox		81 037 0	81 037 0	81 037 0	81 037 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns (Nm)		5	5	5	5
Axial load dynamic (daN)		2	2	2	2
Radial load dynamic (daN)		3	3	3	3
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)		800	800	710	710

## Product adaptations

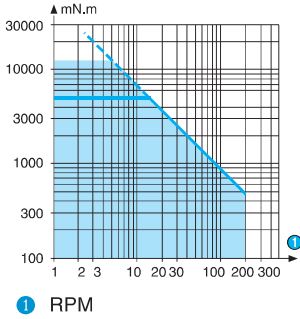


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

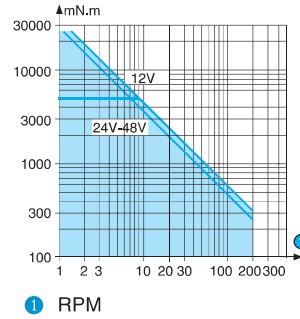
## Curves

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 80 807 0

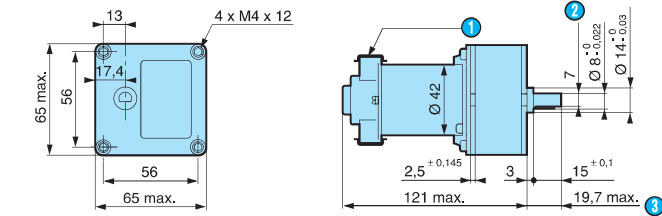


Nominal speed and torque curves 80 817 0



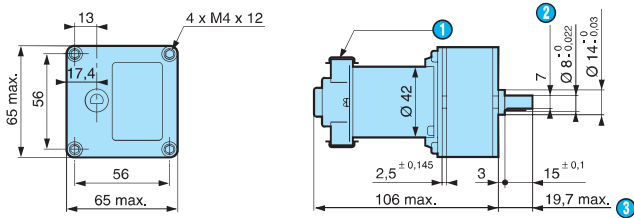
## Dimensions

80 807 0



- ① 2 tags IEC 760 series 4.8 x 0.5 mm
- ② 7 mm across flats
- ③ (shaft pushed-in ←)

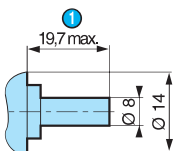
80 817 0



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## Options

Gearbox shaft 79 206 478



- ① (shaft pushed-in ←)