

D.C. geared motors with brushes

→ 0.5 Nm 3.9 Watts

- A range of D.C. geared motors with ovoid gearbox. Mechanical rating of gearbox with output shaft stalled : 0.5 Nm.
- 3.9 Watt motor versions.
- Available in either 12 or 24 V D.C.
- Gearbox ratios options for 0.36 to 430 rpm.



Specifications

Type
Voltage
Standard speed (rpm)

Output speed (rpm) **Ratios (i)**

430	10
215	20
179	24
143	30
108	40
90	48
54	80
49	90
29	150
22	200
11	375
8.6	500
5.8	750
3.6	1200
1.8	2400
0.80	5400
0.36	12000

General characteristics

Motor	82 860 0	82 860 0
Gearbox	81 021 0	81 021 0
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) Nm	0.5	0.5
Axial load static (daN)	1	1
Radial load static (daN)	8	8
Max. output (W)	3.9	3.9
Nominal output (W)	3	3
Gearbox case temperature rise (°C)	50	50
Weight (g)	160	160

3.9 Watts

82 861 0
12 V
4300

82 861 006

82 861 007

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82 861 008

82 861 009

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82 861 010

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82 861 011

82 861 012

82 861 013

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82 861 014

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3.9 Watts

82 861 0
24 V
4300

82 861 015

82 861 016

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82 861 017

82 861 018

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82 861 019

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82 861 020

82 861 021

82 861 022

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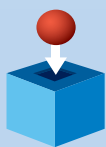
82 861 023

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Product adaptations

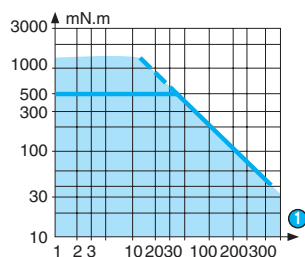


- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

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.

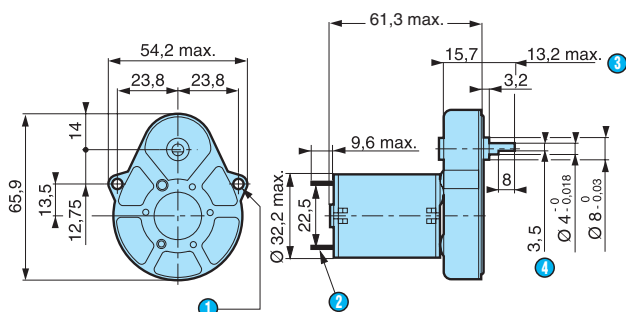
Nominal speed and torque curves



① RPM

Dimensions

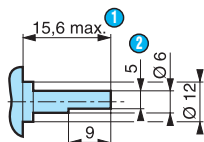
82 861 0



- ① 2 fixing holes $\varnothing 3.2$
- ② 2 tags NFC 20-120 series 2.8 x 0.5 mm
- ③ (shaft pushed-in $\leftarrow$)
- ④ 3.5 mm across flats

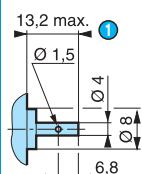
Options

Shaft 70 999 421
SP1295.10



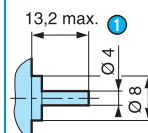
- ① (shaft pushed-in $\leftarrow$)
- ② 5 across flat

Shaft 79 200 779



- ① (shaft pushed-in $\leftarrow$)

Shaft 79 200 967



- ① (shaft pushed-in $\leftarrow$)