

# D.C. geared motors

- Speed range : 1 to 441 rpm
- Gearbox torque rating of 0.5 Nm, sintered metal gears
- Motors : max. usable power 1 to 3.9 W
- interference suppression on standard products



## Applications

- Photocopiers
- Mail handling machines
- Blind opening/closing
- Amusement machines
- Ticket printers
- Banknote counting machines
- Change-giving
- Etc.

## Made to order products, available on request

### Motors :

- other supply voltages
- motors with 2 ball bearings
- shaft lengths at front and/or rear
- connection by radial tags or leads
- specific interference suppression
- encoder : 5 or 12 pulses per revolution

### Gearboxes :

- special shaft, no flat/length
- ball bearings
- special fixings
- other reduction ratios
- special lubrication

## Other information

Basic principles see page 1/6.  
Encoder connections see page 1/41.

## Types

Standard version	82 862 0 or 82 862 2	82 862 0 or 82 862 2	82 842 0 or 82 842 2	82 842 0 or 82 842 2
Version with encoder	82 862 5 or 82 862 6	82 862 5 or 82 862 6	82 842 5 or 82 842 6	82 842 5 or 82 842 6

## Nominal voltage

Output speeds (rpm)	Ratios (i)	Part numbers			
		12 V	24 V	12 V	24 V
441	9.76	82 862 001	82 862 004	•	•
141	30.6	82 862 002	82 862 005	•	•
45	95.4	82 862 003	82 862 006	•	•
14	298	82 862 201	82 862 204	•	•
5	931	82 862 202	82 862 205	•	•
1.5	2910	82 862 203	82 862 206	•	•

## General characteristics

Motor		82 860 0	82 860 0	82 840 0	82 840 0
Gearbox		81 012 0 or 81 012 2	81 012 0 or 81 012 2	81 012 0 or 81 012 2	81 012 0 or 81 012 2

Maximum permitted torque on gearbox for continuous rating (for 1 million revolutions)	N.m	0.5	0.5	0.5	0.5
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Axial load (static)	daN	1	1	1	1
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Radial load (static)	daN	8	8	8	8
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Maximum usable power	W	3.9	3.9	1	1
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Maximum usable power	W	3	3	0.9	0.9
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Gearbox case temperature rise	°C	50	50	50	50
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Weight	g	160	170	125	135
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## Options : for standard products non stocked

With magnetic encoder 1 pulse per revolution for 82 862 5 (speeds 45 to 141 rpm) for 82 862 6 (speeds 1 to 14 rpm)

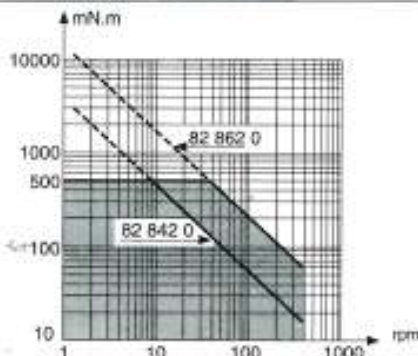
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## Nominal speed and torque curves

The shaded zone represents the operating range of the geared motor.

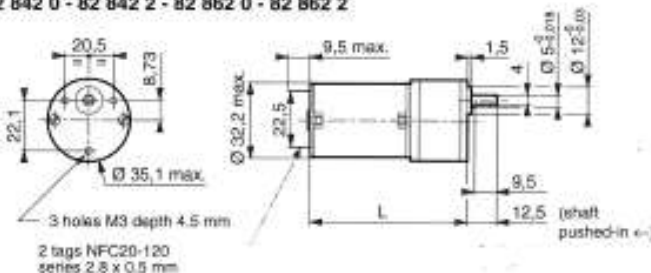
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.

For higher torque ratings, service life will be reduced.



## Dimensions

82 842 0 - 82 842 2 - 82 862 0 - 82 862 2



Type	L1 (mm)	L2 (mm)
82 862 0	24.3	68.1
82 862 2	35.1	78.9
82 842 0	24.3	58.1
82 842 2	35.1	68.9

## To order, specify :

Standard products

3 Part number  
Example : D.C. geared motors 82 862 001

Standard products, non stocked

1 Type      2 Nominal voltage      3 Output speed      4 Option  
Example : D.C. geared motors 82 862 6 - 12 V - 5 rpm - with magnetic encoder 1 pulse per revolution