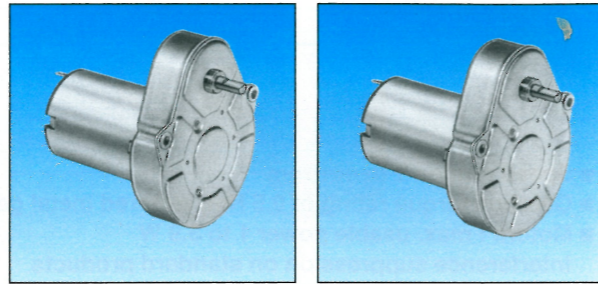


# D.C. geared motors

- D.C. geared motors : 0.3 to 430 rpm
- Gearbox torque ratings from : 0.5 to 2 Nm, high-performance plastic gears
- Motors : max. usable power 1 to 3.9 W interference suppression on standard products



## Applications

- Blood analysers
- Machines for making spectacle lenses
- Microvalves for heating systems
- Change-giving systems
- Packaging machines
- Moving light displays
- Etc.

## Types

		82 861 0	82 861 0	82 841 0	82 841 0
<b>Nominal voltage</b>		12 V	24 V	12 V	24 V
<b>Output speeds (rpm)</b>	<b>Ratios (i)</b>	<b>Part numbers</b>			
430	10	82 861 006	82 861 015	•	•
215	20	82 861 007	82 861 016	•	•
179	24	•	•	•	•
143	30	82 861 008	82 861 017	•	•
108	40	82 861 009	82 861 018	•	•
90	48	•	•	•	•
54	80	82 861 010	82 861 019	•	•
49	90	•	•	•	•
29	150	•	•	•	•
27	160	•	•	•	•
22	200	82 861 011	82 861 020	•	•
13	320	•	•	•	•
11	375	82 861 012	82 861 021	•	•
8.6	500	82 861 013	82 861 022	•	•
7.2	600	•	•	•	•
5.8	750	•	•	•	•
5.4	800	•	•	•	•
3.6	1200	82 861 014	82 861 023	•	•
2.9	1500	•	•	•	•
1.8	2400	•	•	•	•
0.90	4800	•	•	•	•
0.80	5400	•	•	•	•
0.36	12000	•	•	•	•

Standard gearbox shaft : see dimensions

## General characteristics

		82 860 0	82 860 0	82 840 0	82 840 0
Motor		81 021 0	81 021 0	81 021 0	81 021 0
Gearbox		81 021 0	81 021 0	81 021 0	81 021 0
Maximum permitted torque on gearbox for continuous rating (for 1 million revolutions)	Nm	0.5	0.5	0.5	0.5
Axial load (static)	daN	1	1	1	1
Radial load (static)	daN	8	8	8	8
Maximum usable power	W	3.9	3.9	1	1
Maximum usable power	W	3	3	0.9	0.9
Gearbox case temperature rise	°C	50	50	50	50
Weight	g	160	160	130	130

## Options : for standard products non stocked

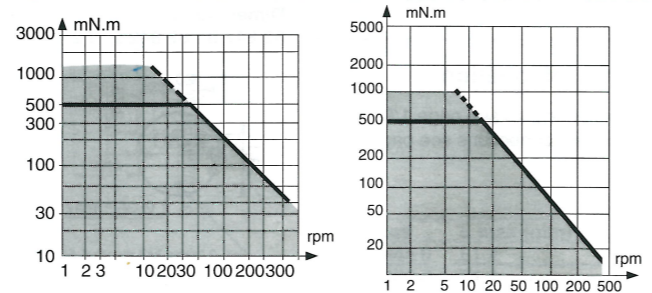
Output shaft Ø 4 mm	79 200 967	•	•	•	•
	79 200 779	•	•	•	•
Ø 6 mm	70 999 421	•	•	•	•
	79 202 573	•	•	•	•
With magnetic encoder 1 pulse per revolution	82 861 5	82 861 5	•	•	•

## Nominal speed and torque curves

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

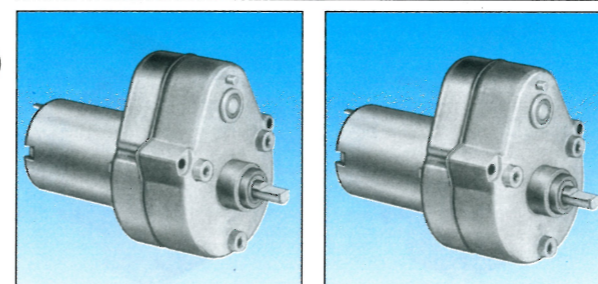
The horizontal line marks the maximum torque available in continuous duty cycle for a given life.

For higher torque ratings, service life will be reduced.



## Other information

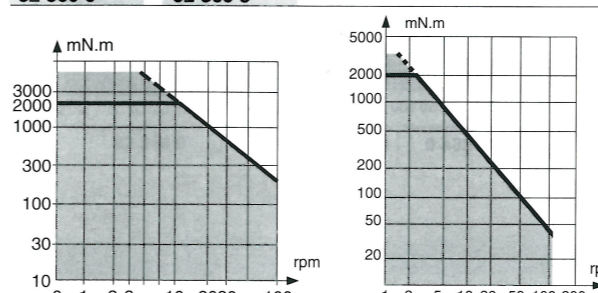
Basic principles : see page 1/6.  
Motor 82 840 0, 82 860 0 : see page 1/7.  
Friction clutch : see page 1/42.



		82 869 0	82 869 0	82 849 0	82 849 0
<b>Nominal voltage</b>		12 V	24 V	12 V	24 V
<b>Output speeds (rpm)</b>	<b>Ratios (i)</b>	<b>Part numbers</b>			
430	10	82 869 001	82 869 011	•	•
215	20	82 869 006	82 869 012	•	•
179	24	•	•	•	•
143	30	82 869 007	82 869 013	•	•
108	40	82 869 008	82 869 014	•	•
90	48	•	•	•	•
54	80	82 869 009	82 869 015	•	•
49	90	•	•	•	•
29	150	•	•	•	•
27	160	•	•	•	•
22	200	82 869 010	82 869 016	•	•
13	320	•	•	•	•
11	375	•	•	•	•
8.6	500	•	•	•	•
7.2	600	•	•	•	•
5.8	750	•	•	•	•
5.4	800	•	•	•	•
3.6	1200	•	•	•	•
2.9	1500	•	•	•	•
1.8	2400	•	•	•	•
0.90	4800	•	•	•	•
0.80	5400	•	•	•	•
0.36	12000	•	•	•	•

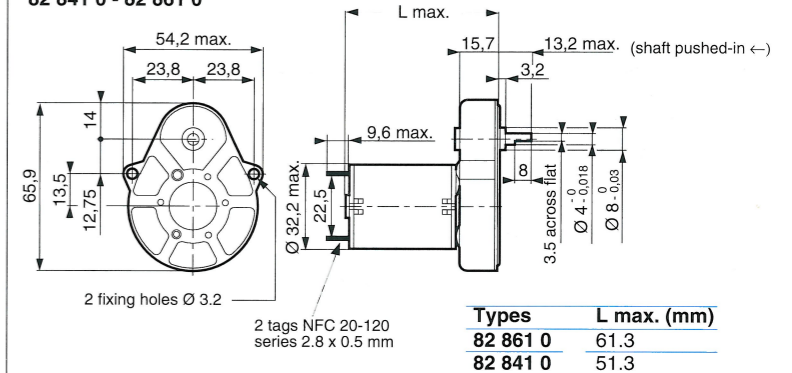
		82 860 0	82 860 0	82 840 0	82 840 0
Motor		81 033 0	81 033 0	81 033 0	81 033 0
Gearbox		81 033 0	81 033 0	81 033 0	81 033 0
Maximum permitted torque on gearbox for continuous rating (for 1 million revolutions)	Nm	2	2	2	2
Axial load (static)	daN	1	1	1	1
Radial load (static)	daN	10	10	10	10
Maximum usable power	W	3.9	3.9	1	1
Maximum usable power	W	3	3	0.9	0.9
Gearbox case temperature rise	°C	50	50	50	50
Weight	g	240	240	210	210

Output shaft Ø 4 mm	79 200 967	•	•	•	•
	79 200 779	•	•	•	•
Ø 6 mm	70 999 421	•	•	•	•
	79 202 573	•	•	•	•
With magnetic encoder 1 pulse per revolution	82 869 5	82 869 5	•	•	•

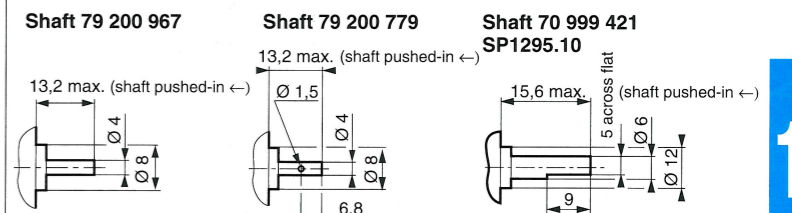


- 1
- 2
- 3

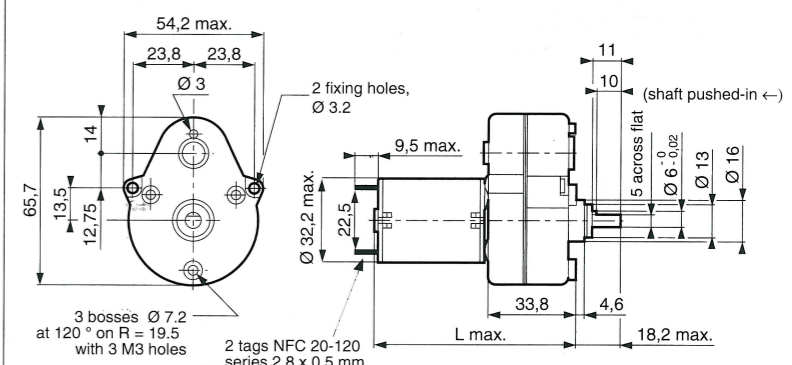
## Dimensions : 82 841 0 - 82 861 0



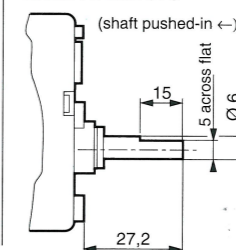
## Non stocked products : with gearbox output shafts 82 841 0 - 82 861 0



## 82 849 0 - 82 869 0



## Shaft 79 202 573



## To order, specify :

- Standard products: 3 Part number  
Example : D.C. geared motor - 82 869 001
- Standard products, non stocked: 1 Type  
Example : D.C. geared motor - 82 861 5 - 12 V - 179 rpm - output shaft 79 200 967 - with magnetic encoder 1 pulse per revolution
- 2 Nominal voltage
- 3 Output speeds
- 4 Option