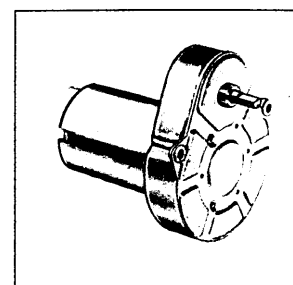
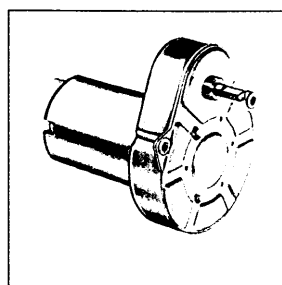


D.C. geared motors

311 5598

- 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
Nominal voltage		12 V	24 V	12 V	24 V
Output speeds (rpm)	Ratios (i)	Part numbers			
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

Motor		82 860 0	82 860 0	82 840 0	82 840 0
Gearbox		81 021 0	81 021 0	81 021 0	81 021 0
Maximum permitted torque on gearbox for continuous rating	Nm	0.5	0.5	0.5	0.5
(for 1 million revolutions)					
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

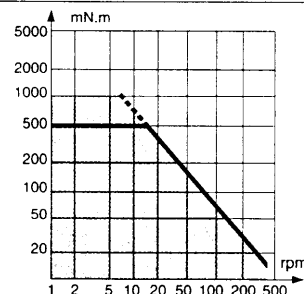
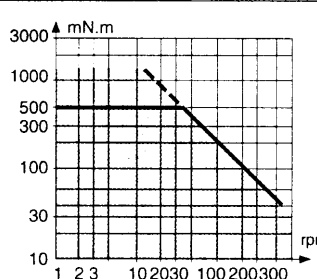
Output shaft	Ø 4 mm	79 200 967	•	•	•	•
		79 200 779	•	•	•	•
	Ø 6 mm	70 999 421	•	•	•	•
		79 202 573	—	—	—	—
With magnetic encoder 1 pulse per revolution		82 861 5	82 861 5	—	—	—

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.



Made to order products, available on request

Motors :

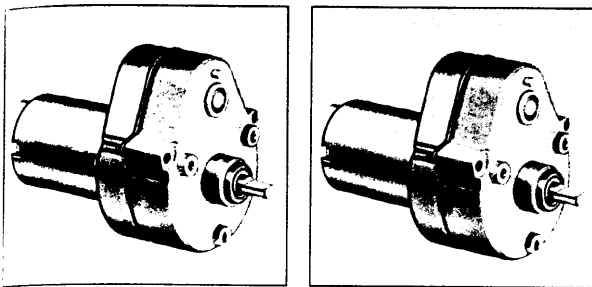
- other supply voltages
- motors with 2 ball bearings
- shaft lengths at front and/or rear
- connection by radial tags or leads
- specific interference suppression
- encoder : 5 or 12 pulses per revolution

Gearboxes :

- special shaft
- ball bearings
- special lubrication
- friction clutch
- M3 gearbox fixings
- other speeds

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
12 V	24 V	12 V	24 V

82 869 001 82 869 011

82 869 006 82 869 012

82 869 007 82 869 013

82 869 008 82 869 014

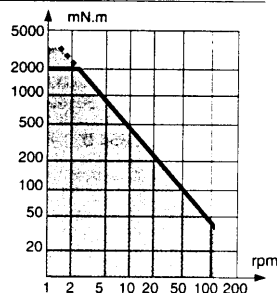
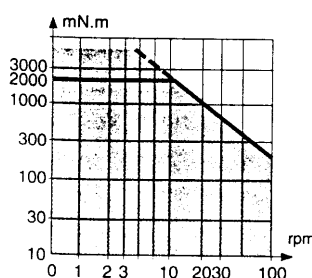
82 869 009 82 869 015

82 869 010 82 869 016

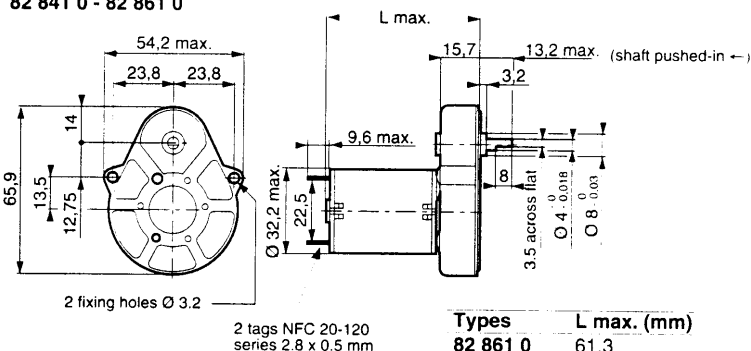
82 860 0	82 860 0	82 840 0	82 840 0
81 033 0	81 033 0	81 033 0	81 033 0

2	2	2	2
1	1	1	1
10	10	10	10
3.9	3.9	1	1
3	3	0.9	0.9
50	50	50	50
240	240	210	210

82 869 5 82 869 5



Dimensions :
82 841 0 - 82 861 0



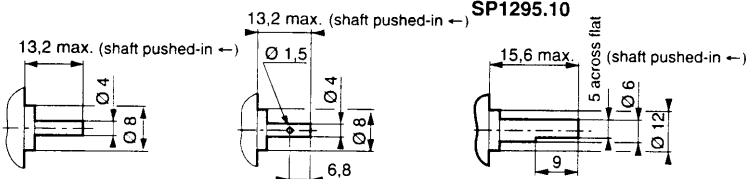
Types	L max. (mm)
82 861 0	61.3
82 841 0	51.3

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

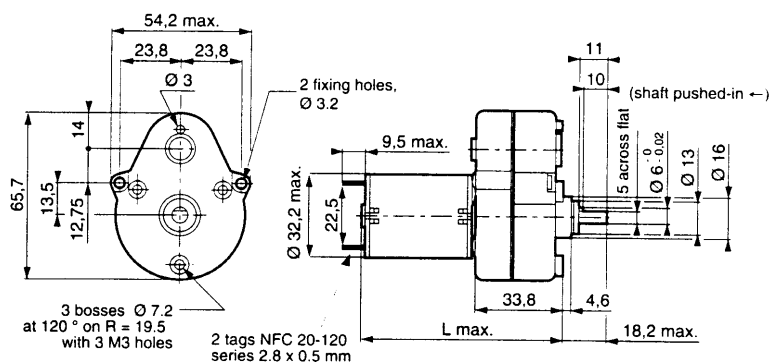
Shaft 79 200 967

Shaft 79 200 779

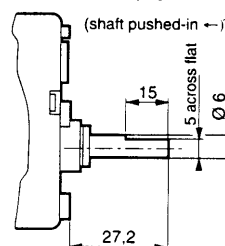
Shaft 70 999 421
SP1295.10



82 849 0 - 82 869 0



Shaft 79 202 573



Types	L max. (mm)
82 869 0	79.6
82 849 0	69.6

To order, specify :

Standard products

Part number

Example : D.C. geared motor - 82 869 001

Standard products,
non stocked

Type

Nominal voltage

Output speeds

Option

Example : D.C. geared motor - 82 861 5 - 12 V - 179 rpm - output shaft 79 200 967 - with magnetic encoder 1 pulse per revolution