

Single direction synchronous geared motors

→ 2 Nm 3 and 3.5 Watts

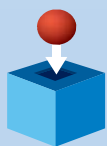
- Mechanical strength : 2 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by long-life mechanical anti-return
- Permanent magnet rotor
- Silent operation
- UL, CSA, VDE approved, comply with IEC standards



Specifications

		3 Watts	3.5 Watts
Type		82 304 0	82 305 5
Voltage / Frequency		230 V 50 Hz	230 V 50 Hz
Output speed	Ratios		
32 rpm	18.75	●	●
24 rpm	25	●	●
15 rpm	40	●	●
12 rpm	50	●	●
10 rpm	60	●	●
7.5 rpm	80	●	●
6 rpm	100	●	●
5 rpm	120	●	●
3.75 rpm	160	●	●
2.4 rpm	250	●	●
2 rpm	300	●	●
1.11 rpm	540	●	●
1 rpm	600	●	●
0.75 rpm	800	●	●
0.56 rpm	1080	●	●
0.4 rpm	1500	●	●
0.2 rpm	3000	●	●
0.13 rpm	4800	●	●
0.10 rpm	6000	●	●
3/4 rph	27000	●	●
2/3 rph	54000	●	●
1/5 rph	180000	●	●
General characteristics			
Motor		82 340 0	82 330 5
Gearbox		81 033 0	81 033 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns of the gearmotor (N.m)		2	2
Radial load static (daN)		1	1
Axial load static (daN)		10	10
Absorbed power (W)		3	3.5
Motor output (W)		0.16	0.42
Maximum temperature rise (°C)		55	55
Ambient temperature (°C)		-50 → +60	-50 → +60
Weight (g)		250	300
Wires length mm (approximately)		250	250
Protection rating		IP40	IP40

Product adaptations

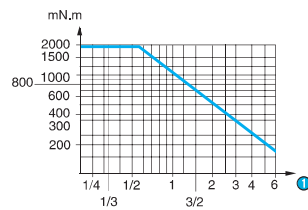


- Special supply voltages
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

To order, see page 13

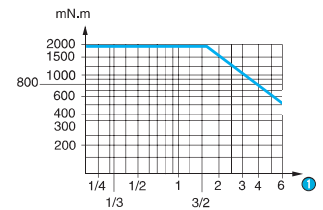
Curves

Graph of torque versus speed 82 304 0



① RPM

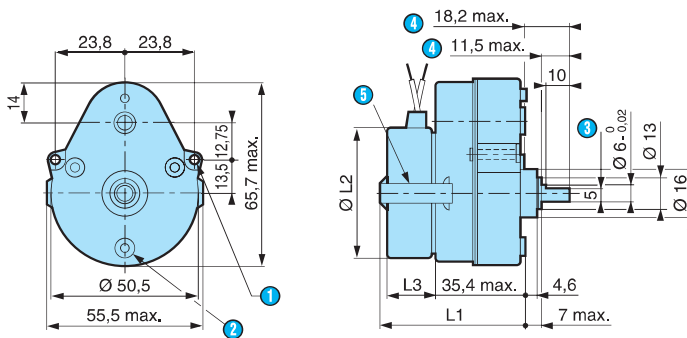
Graph of torque versus speed 82 305 0



① RPM

Dimensions

82 304 0 - 82 305 5

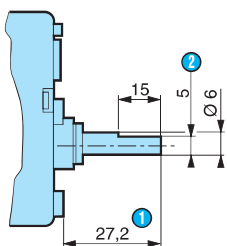


- ① 2 fixing holes $\text{Ø } 3.2$
- ② 3 mounting bosses $\text{Ø } 7.2$ at 120° on radius = 19.5 with 3 holes M3 depth 4
- ③ across flat
- ④ (pushed-in shaft \leftarrow)
- ⑤ fixing claw

82 304 0 L1 = 54.8 mm max. / $\text{Ø } \text{L2} = 47.2$ mm max. / L3 = 16.9 mm max.
 82 305 5 L1 = 59.85 mm max. / $\text{Ø } \text{L2} = 47.2$ mm max. / L3 = 22.9 mm max.

Options

Shaft 79 202 573



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

Other information

The speed of a motor powered by a 60 Hz supply is 20 % higher than that of a motor powered by a 50 Hz supply.