

Single direction synchronous geared motors

→ 0.5 Nm 3.5 Watts

- Mechanical strength : 0.5 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by long-life mechanical anti-return device
- Permanent magnet rotor

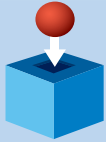


Specifications

		3.5 Watts	3.5 Watts	3.5 Watts	3.5 Watts
Type		82 334 5	82 334 5	82 334 5	82 334 5
Direction of rotation		Anti-clockwise	Clockwise	Anti-clockwise	Clockwise
Voltages/Frequencies		230 V 50 Hz	230 V 50 Hz	240 V 50 Hz	240 V 50 Hz
Output speed	Ratios (i)				
60 rpm	10	82 334 734	82 334 726	82 334 811	82 334 803
50 rpm	12	●	●	●	●
30 rpm	20	82 334 728	82 334 736	82 334 805	82 334 813
20 rpm	30	82 334 730	82 334 738	82 334 807	82 334 815
15 rpm	40	82 334 731	82 334 739	82 334 808	82 334 816
12.5 rpm	48	●	●	●	●
12 rpm	50	82 334 733	82 334 741	82 334 810	82 334 818
10 rpm	60	82 334 756	82 334 764	82 334 772	82 334 780
7.5 rpm	80	82 334 758	82 334 766	82 334 774	82 334 782
6 rpm	100	82 334 759	82 334 767	82 334 775	82 334 783
5 rpm	120	82 334 760	82 334 768	82 334 776	82 334 784
4 rpm	150	82 334 769	82 334 761	82 334 785	82 334 777
3 rpm	200	●	●	●	●
2.5 rpm	240	●	●	●	●
2 rpm	300	82 334 748	82 334 742	82 334 796	82 334 789
1 rpm	600	82 334 744	82 334 751	82 334 792	82 334 799
0.80 rpm	750	●	●	●	●
0.5 rpm	1200	●	●	●	●
0.33 rpm	1800	●	●	82 334 794	82 334 801
0.25 rpm	2400	●	●	●	●
0.20 rpm	3000	●	●	●	●
0.10 rpm	6000	●	●	●	●
5.00 rph	7200	●	●	●	●
4.00 rph	9000	●	●	●	●
3.00 rph	12000	●	●	●	●
2.50 rph	14400	●	●	●	●
1.00 rph	36000	●	●	●	●
0.50 rph	72000	●	●	●	●
1/12 rph	432000	●	●	●	●
1/24 rph	864000	●	●	●	●
General characteristics					
Motor		82 340 0	82 340 0	82 340 0	82 340 0
Gearbox		81 021 0	81 021 0	81 021 0	81 021 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns of the gearmotor (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
Absorbed power (W)		3	3	3	3
Motor output (W)		0.16	0.16	0.16	0.16
Maximum temperature rise (°C)		55	55	55	55
Ambient temperature (°C)		-5 → +60	-5 → +60	-5 → +60	-5 → +60
Weight (g)		160	160	160	160
Wires length mm (approximately)		250	250	250	250
Protection rating		IP40	IP40	IP40	IP40

To order, see page 13

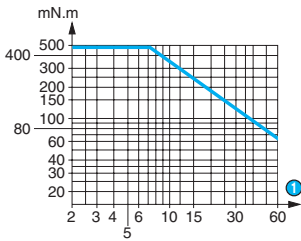
Product adaptations



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

Curves

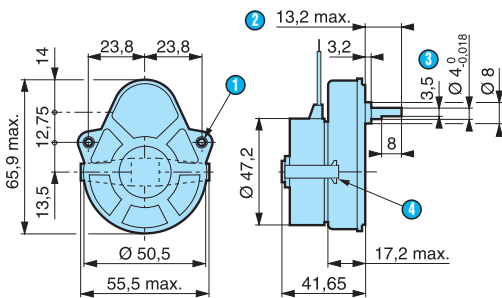
Graph of torque versus speed 82 334 5



① RPM

Dimensions

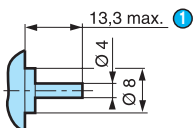
82 334 5



- ① 2 fixing holes $\text{Ø } 3.2$
- ② (pushed-in shaft)
- ③ 3.5 across flat
- ④ Fixing clip

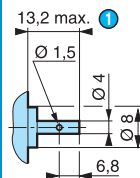
Options

Shaft 79 200 967



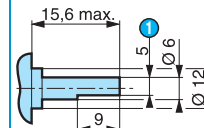
- ① (pushed-in shaft ←)

Shaft 79 200 779



- ① (pushed-in shaft ←)

Shaft 70 999 421 SP1295-10



- ① Across flat

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.

Single direction synchronous geared motors

→ 0.5 Nm 3 Watts

- Mechanical strength : 0.5 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by long-life mechanical anti-return device
- Permanent magnet rotor

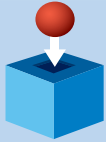


Specifications

		3 Watts	3 Watts	3 Watts	3 Watts
Type		82 344 0	82 344 0	82 344 0	82 344 0
Direction of rotation		Anti-clockwise	Anti-clockwise	Clockwise	Clockwise
Voltages/Frequencies		230 V 50 Hz	240 V 50 Hz	230 V 50 Hz	240 V 50 Hz
Output speed	Ratios (i)				
60 rpm	10	82 344 744	82 344 736	82 344 698	82 344 690
50 rpm	12	●	●	●	●
50 rpm	20	82 344 738	82 344 746	82 344 692	82 344 700
20 rpm	30	82 344 740	82 344 748	82 344 694	82 344 702
15 rpm	40	82 344 741	82 344 749	82 344 695	82 344 703
12.5 rpm	48	●	●	●	●
12 rpm	50	82 344 743	82 344 751	82 344 697	82 344 705
10 rpm	60	82 344 752	82 344 760	82 344 706	82 344 714
7.5 rpm	80	82 344 754	82 344 762	82 344 708	82 344 716
6 rpm	100	82 344 755	82 344 763	82 344 709	82 344 717
5 rpm	120	82 344 756	82 344 764	82 344 710	82 344 718
4 rpm	150	82 344 765	82 344 767	82 344 719	82 344 711
3 rpm	200	82 344 766	82 344 768	82 344 720	82 344 712
2.5 rpm	240	●	●	●	●
2 rpm	300	82 344 775	82 344 768	82 344 729	82 344 722
1 rpm	600	82 344 771	82 344 778	82 344 725	82 344 732
0.80 rpm	750	●	●	●	●
0.5 rpm	1200	82 344 772	82 344 779	82 344 726	82 344 733
0.33 rpm	1800	82 344 773	82 344 780	82 344 727	82 344 734
0.25 rpm	2400	●	●	●	●
0.20 rpm	3000	●	●	●	●
0.10 rpm	6000	●	●	●	●
5.00 rph	7200	●	●	●	●
4.00 rph	9000	●	●	●	●
3.00 rph	12000	●	●	●	●
2.50 rph	14400	●	●	●	●
1.00 rph	36000	●	●	●	●
0.50 rph	72000	●	●	●	●
1/12 rph	432000	●	●	●	●
1/24 rph	864000	●	●	●	●
General characteristics					
Motor		82 340 0	82 340 0	82 340 0	82 340 0
Gearbox		81 021 0	81 021 0	81 021 0	81 021 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns of the gearmotor (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
Absorbed power (W)		3	3	3	3
Motor output (W)		0.16	0.16	0.16	0.16
Maximum temperature rise (°C)		55	55	55	55
Ambient temperature (°C)		-5 → +60	-5 → +60	-5 → +60	-5 → +60
Weight (g)		160	160	160	160
Wires length mm (approximately)		250	250	250	250
Protection rating		IP40	IP40	IP40	IP40

To order, see page 13

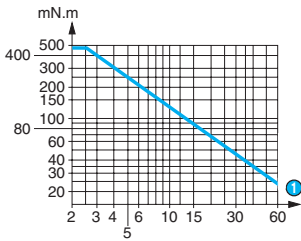
Product adaptations



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

Curves

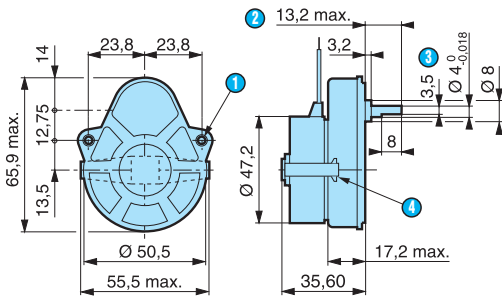
Graph of torque versus speed 82 344 0



① RPM

Dimensions

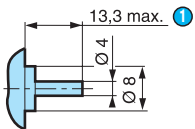
82 344 0



- ① 2 fixing holes $\text{Ø } 3.2$
- ② (pushed-in shaft)
- ③ 3.5 across flat
- ④ Fixing clip

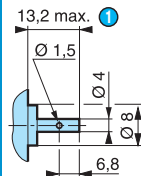
Options

Shaft 79 200 967



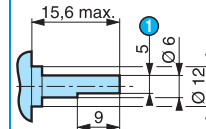
① (pushed-in shaft ←)

Shaft 79 200 779



① (pushed-in shaft ←)

Shaft 70 999 421 SP1295-10



① Across flat

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.

Single direction synchronous geared motors

→ 2 Nm 3 and 3.5 Watts

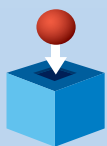
- Mechanical strength : 2 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by long-life mechanical anti-return
- Permanent magnet rotor
- Silent operation
- UL, CSA, VDE approved, comply with IEC standards



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

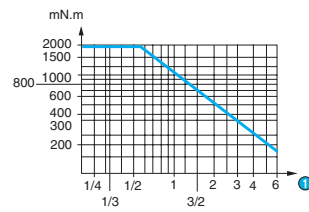


- Special supply voltages
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

To order, see page 13

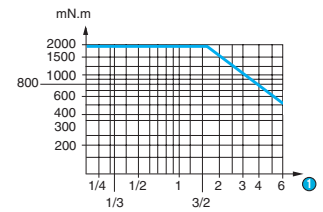
Curves

Graph of torque versus speed 82 304 0



① RPM

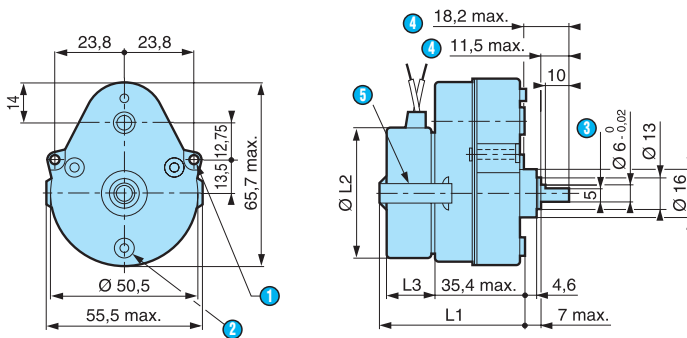
Graph of torque versus speed 82 305 0



① RPM

Dimensions

82 304 0 - 82 305 5

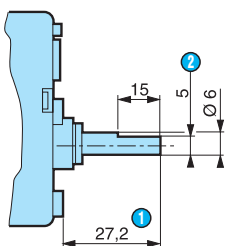


- ① 2 fixing holes Ø 3.2
- ② 3 mounting bosses Ø 7.2 at 120° on radius = 19.5 with 3 holes M3 depth 4
- ③ across flat
- ④ (pushed-in shaft ←)
- ⑤ fixing claw

82 304 0 L1 = 54.8 mm max. / Ø L2 = 47.2 mm max. / L3 = 16.9 mm max.
 82 305 5 L1 = 59.85 mm max. / Ø L2 = 47.2 mm max. / L3 = 22.9 mm max.

Options

Shaft 79 202 573



- ① 5 across flat
- ② (pushed-in shaft ←)

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.

Single direction synchronous geared motors

→ 3 Nm 3.5 Watts

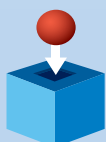
- Mechanical strength : 3 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by long-life mechanical
- Permanent magnet rotor
- UL, CSA, VDE approved, comply with IEC standards



Specifications

		3.5 Watts
Type		80 333 5
Base speed of motor (rpm)		600
Voltage / Frequency		230-240 V - 50 Hz
Output speed (rpm)	Ratios (i)	
29	20.83	●
14	41.66	●
7	83.33	●
4	150	●
3.2	187.5	●
2	300	●
1.6	375	●
1	600	●
0.8	750	●
0.5	1200	●
0.267	2250	●
0.25	2400	●
0.167	3600	●
General characteristics		
Motor		82 330 5
Gearbox		81 023
Maximum permitted continuous rated gearbox output torque (Nm)		3
Axial load static (daN)		2
Radial load static (daN)		3
Absorbed power (W)		3.5
Motor output (W)		0.42
Maximum temperature rise (°C)		55
Ambient temperature (°C)		-5 → +60
Weight (g)		440
Wires length mm (approximately)		250
Protection rating		IP30

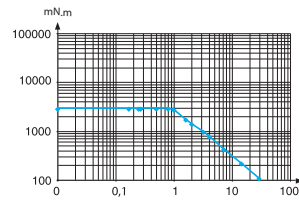
Product adaptations



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

Curves

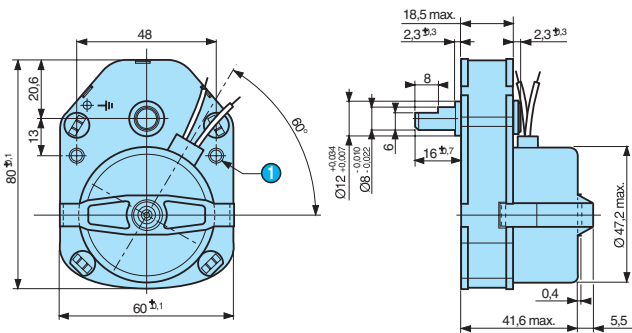
Graph of torque versus speed 82 333 5



① RPM

Dimensions

80 333 5



① 2 fixing holes $\varnothing 4.1$ max.

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.

Single direction synchronous geared motors

→ 5 Nm 3.5 Watts

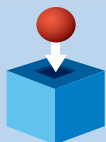
- Mechanical strength : 5 Nm
- Constant speed, dependent on supply frequency
- Speeds from 0.24 rpm to 24 rpm
- Direction of rotation controlled by long-life mechanical anti-return
- Permanent magnet rotor
- UL, CSA, VDE approved, comply with IEC standards



Specifications

			3.5 Watts	3.5 Watts
Type			80 337 5	80 337 5
Voltage / Frequency			230 V 50 Hz	240 V 50 Hz
Direction of rotation	Output speed	Ratios		
Anti-clockwise	24 rpm	25	80 337 506	80 337 524
Anti-clockwise	14.40 rpm	41.66	80 337 509	80 337 534
Anti-clockwise	9.60 rpm	62.5	●	●
Anti-clockwise	7.20 rpm	83.33	●	●
Anti-clockwise	4.80 rpm	125	80 337 514	80 337 528
Anti-clockwise	2.40 rpm	250	80 337 516	80 337 529
Anti-clockwise	1.20 rpm	500	80 337 519	80 337 539
Anti-clockwise	0.80 rpm	750	●	●
Anti-clockwise	0.24 rpm	2500	80 337 523	80 337 541
Clockwise	24 rpm	25	80 337 507	80 337 533
Clockwise	14.40 rpm	41.66	80 337 508	80 337 525
Clockwise	9.60 rpm	62.5	●	●
Clockwise	7.20 rpm	83.33	●	●
Clockwise	4.80 rpm	125	80 337 515	80 337 537
Clockwise	2.40 rpm	250	80 337 517	80 337 538
Clockwise	1.20 rpm	500	80 337 518	80 337 530
Clockwise	0.80 rpm	750	●	●
Clockwise	0.24 rpm	2500	80 337 522	80 337 532
General characteristics				
Motor			82 330 5	82 330 5
Gearbox			81 037 0	81 037 0
Maximum permitted continuous-rated gearbox output torque over 1 million revolutions (N.m)			5	5
Radial load static (daN)			2	2
Axial load static (daN)			3	3
Absorbed power (W)			3.5	3.5
Motor output (W)			0.42	0.42
Maximum temperature rise (°C)			55	55
Ambient temperature (°C)			-5 → +60	-5 → +60
Weight (g)			480	480
Wires length mm (approximately)			250	250
Protection rating			IP40	IP40

Product adaptations

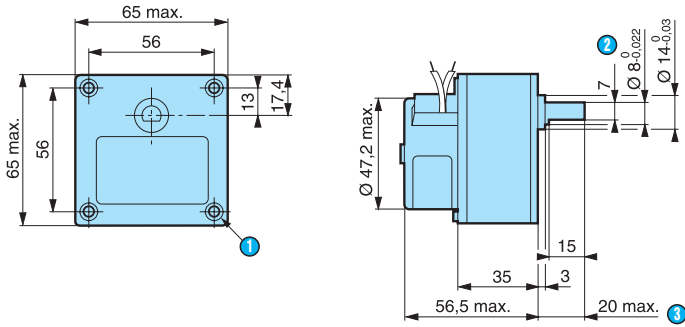


- Special supply voltages
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

To order, see page 13

Dimensions

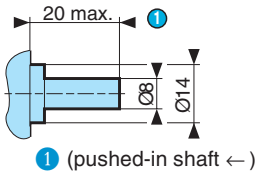
80 337 5



- 1 4 holes M4 depth 12 mm
- 2 7 across flat
- 3 pushed-in shaft

Options

Shaft 79 206 478



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.