

D.C. geared motors with brushes

→ 0.5 Nm 3.9 Watts

A range of D.C. geared motors with void gearbox.

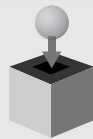
- Mechanical rating of gearbox with output shaft stalled : 0.5 Nm .
- 3.9 W att motor versions .
- Available in either 12 or 24 V D.C .
- Gearbox ratios options for 0.36 to 430 rpm .



Specifications

		3.9 Watts	3.9 Watts
Type		82 861 0	82 861 0
Voltage		12 V	24 V
Standard speed (rpm)		4300	4300
Output speed (rpm)	Ratios (i)		
430	10	82 861 006	82 861 015
215	20	82 861 007	82 861 016
179	24	82 861 0X00024B ●	82 861 0Y00024B ●
143	30	82 861 008	82 861 017
108	40	82 861 009	82 861 018
90	48	82 861 0X00048B ●	82 861 0Y00048B ●
54	80	82 861 010	82 861 019
49	90	82 861 0X00090B ●	82 861 0Y00090B ●
29	150	82 861 0X00150B ●	82 861 0Y00150B ●
22	200	82 861 011	82 861 020
11	375	82 861 012	82 861 021
8.6	500	82 861 013	82 861 022
5.8	750	82 861 0X00750B ●	82 861 0Y00750B ●
3.6	1200	82 861 014	82 861 023
1.8	2400	82 861 0X02400B ●	82 861 0Y02400B ●
0.80	5400	82 861 0X05400B ●	82 861 0Y05400B ●
0.36	12000	82 861 0X12000B ●	82 861 0Y12000B ●
General characteristics			
Motor		82 860 0	82 860 0
Gearbox		81 021 0	81 021 0
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) Nm		0.5	0.5
Axial load (static) daN		1	1
Radial load (static) daN		8	8
Max. output (W)		3.9	3.9
Nominal output (W)		3	3
Gearbox case temperature rise (°C)		50	50
Weight (g)		160	160

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

Products and specifications subject to change without notice.

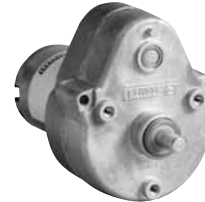
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D.C. geared motors with brushes

→ 2 Nm 3.9 Watts

A range of D.C. geared motors with void gearbox.

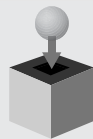
- Mechanical rating of gearbox with output shaft stalled : 2 Nm .
- 3.9 W attm otor versions .
- Available in either 12 or 24 V D.C .
- Gearbox ratios options for 0.36 to 430 rpm .
- Alternative shaft options .



Specifications

		3.9 W atts	3.9 W atts
Type		82 869 0	82 869 0
Voltage		12 V	24 V
Output speed (rpm)	Ratios (i)		
108	40	82 869 001	82 869 011
54	80	82 869 006	82 869 012
27	160	82 869 007	82 869 013
13	320	82 869 008	82 869 014
7.2	600	82 869 009	82 869 015
5.4	800	82 869 0X00800X ●	82 869 0Y00800X ●
2.9	1500	82 869 010	82 869 016
0.90	4800	82 869 0X04800X ●	82 869 0Y04800X ●
General characteristics			
Motor		82 860 0	82 860 0
Gearbox		81 033 0	81 033 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns Nm		2	2
Axial load (static) daN		1	1
Radial load (static) daN		10	10
Max. output (W)		3.9	3.9
Nominal output (W)		3	3
Gearbox case temperature rise (°C)		50	50
Weight (g)		240	240

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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D.C. geared motors with brushes

→ 2 Nm 10 and 17 Watts

A range of D.C. geared motors with solid metal gears

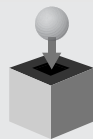
- Mechanical rating of gearbox with output shaft stalled : 1.2 Nm
- 10 and 17 W attm otor power
- Available in either 12, 24 or 48 V D.C.
- Gearbox ratios options for 60 to 400 rpm



Specifications

		17 Watts	17 Watts	10 Watts	10 Watts
Type		80 803 0	80 803 0	80 813 0	80 813 0
Voltage		12 V	24 V	12 V	24 V
Output speed (rpm)	Ratios (i)				
400	13/2	80 803 0X006.5Z ●	80 803 0Y006.5Z ●	80 813 0X006.5Z ●	80 813 0Y006.5Z
301	855/99	80 803 0X8.636Z ●	80 803 0Y8.636Z ●	80 813 0X8.636Z ●	80 813 0Y8.636Z
161	728/45	80 803 005	80 803 008	80 813 0X16.18Z ●	80 813 0Y16.18Z
120	65/3	80 803 0X21.67Z ●	80 803 0Y21.67Z ●	80 813 0X21.67Z ●	80 813 0Y21.67Z
103	455/18	80 803 0X25.28Z ●	80 803 0Y25.28Z ●	80 813 0X25.28Z ●	80 813 0Y25.28Z
80	32.5	80 803 006	80 803 009	80 813 0X32.5Z ●	80 813 0Y32.5Z
60	130/3	80 803 007	80 803 010	80 813 0X43.33Z ●	80 813 0Y43.33Z
General characteristics					
Motor		82 800 0	82 800 0	82 810 0	82 810 0
Gearbox		81 043 0	81 043 0	81 043 0	81 043 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns Nm		2	2	2	2
Axial load (dynamic) daN		2	2	2	2
Radial load (dynamic) daN		2	2	2	2
Max. output (W)		16.3	17	10.3	9.5
Nominal output (W)		15.7	15.6	9.4	8.7
Gearbox case temperature rise (°C)		44	40	45	46
Weight (g)		600	600	500	500

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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D.C. geared motors with brushes

→ 2 Nm 3.9 Watts

A range of D.C. geared motors with metal gearbox.

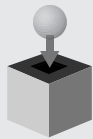
- Mechanical rating of gearbox with output shaft stalled : 2 Nm .
- 3.9 W att motor power.
- Available in either 12 or 24 V D.C .
- Gearbox ratios options for 99 to 662 rpm .



Specifications

		3.9 Watts	3.9 Watts
Type		82 863 0	82 863 0
Voltage		12 V	24 V
Output speed (rpm)	Ratios (i)		
662	13/2	82 863 0X006.5Z ●	82 863 0Y006.5Z ●
498	855/99	82 863 0X8.636Z ●	82 863 0Y8.636Z ●
266	728/45	82 863 0X16.18Z ●	82 863 0Y16.18Z ●
198	65/3	82 863 0X21.67Z ●	82 863 0Y21.67Z ●
170	455/18	82 863 0X25.28Z ●	82 863 0Y25.28Z ●
132	32.5	82 863 0X032.5Z ●	82 863 0Y032.5Z ●
99	130/3	82 863 0X43.33Z ●	82 863 0Y43.33Z ●
General characteristics			
Motor		82 860 0	82 860 0
Gearbox		81 043 0	81 043 0
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) N.m		2	2
Axial load (dynamic) daN		2	2
Radial load (dynamic) daN		2	2
Max. output (W)		3.9	3.9
Nominal output (W)		3	3
Gearbox case temperature rise (°C)		50	50
Weight (g)		285	285

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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D.C. geared motors with brushes

→ 2 Nm 3.9 Watts

A range of D.C. geared motors with metal gearbox.

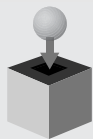
- Mechanical rating of gearbox with output shaft stalled : 2 Nm .
- 3.9 Watt motor versions.
- Available in either 12 or 24 V D.C .
- Gearbox ratios options for 2 to 66 rpm .



Specifications

		3.9 Watts		3.9 Watts	
		82 864 0		82 864 0	
		12 V		24 V	
Output speed (rpm)	Ratios (i)				
66	65	82 864 0X00065Z ●		82 864 0Y00065Z ●	
40	325/3	82 864 0X108.3Z ●		82 864 0Y108.3Z ●	
26	162.5	82 864 0X162.5Z ●		82 864 0Y162.5Z ●	
13	325	82 864 0X00325Z ●		82 864 0Y00325Z ●	
7	650	82 864 0X00650Z ●		82 864 0Y00650Z ●	
2	2600	82 864 0X02600Z ●		82 864 0Y02600Z ●	
General characteristics					
Motor		82 860 0		82 860 0	
Gearbox		81 044 0		81 044 0	
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) N.m		2		2	
Axial load (dynamic) daN		2		2	
Radial load (dynamic) daN		2		2	
Max. output (W)		3.9		3.9	
Nominal output (W)		3		3	
Gearbox case temperature rise (°C)		50		50	
Weight (g)		355		355	

Products adaptations



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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D.C. geared motors with brushes

→ 5 Nm 3.9 Watts

A range of D.C. geared motors with solid metal gears.

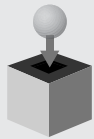
- Mechanical rating of gearbox with output shaft stalled : 5 Nm .
- 3.9 W att motor versions.
- Available in either 12 or 24 V D.C .
- Gearbox ratios options for 1.7 to 344 rpm .
- Interference suppression on standard products



Specifications

		3.9 Watts	3.9 watts
Type		82 867 0	82 867 0
Voltage		12 V	24 V
Output speed (rpm)	Ratios (i)		
344	12.5	82 867 001	82 867 007
258	50/3	82 867 0X16.67Z ●	82 867 0Y16.67Z ●
172	25	82 867 002	82 867 008
103	125/3	82 867 003	82 867 009
69	62.5	82 867 004	82 867 010
34	125	82 867 005	82 867 011
17	250	82 867 0X00250Z ●	82 867 0Y00250Z ●
8.6	500	82 867 006	82 867 012
1.72	2500	82 867 0X2500Z ●	82 867 0Y2500Z ●
General characteristics			
Motor		82 860 0	82 860 0
Gearbox		81 037 0	81 037 0
Maximum permitted torque from gearmotor under continuous conditions (for 1 millions turns) N.m		5	5
Axial load (dynamic) daN		2	2
Radial load (dynamic) daN		3	3
Max. output (W)		3.9	3.9
Nominal output (W)		3	3
Gearbox case temperature rise (°C)		50	50
Weight (g)		465	465

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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D.C. geared motors with brushes

→ 5 Nm 10 and 17 Watts

A range of D.C. geared motors with solid metal gears.

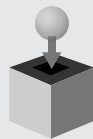
- Mechanical rating of gearbox with output shaft stalled : 5 Nm .
- 10 and 17 W attm otorpower.
- Available in either 12, 24 or 48 V D.C .
- Gearbox ratios options for 10.5 to 616 rpm .



Specifications

		17 W atts	17 W atts	10 W atts	10 W atts
Type		80 805 0	80 805 0	80 815 0	80 815 0
Voltage		12 V	24 V	12 V	24 V
Standard speed (rpm)		2600 rpm	2600 rpm	2600 rpm	2600 rpm
Output speed (rpm)	Ratios (i)				
616	4.22	80 805 0X04.22Z ●	80 805 0Y04.22Z ●	80 815 0X04.22Z ●	80 815 0Y04.22Z ●
385	6.75	80 805 0X06.75Z ●	80 805 0Y06.75Z ●	80 815 0X06.75Z ●	80 815 0Y06.75Z ●
339.5	7.66	80 805 0X07.66Z ●	80 805 0Y07.66Z ●	80 815 0X07.66Z ●	80 815 0Y07.66Z ●
212	12.25	80 805 0X12.25Z ●	80 805 0Y12.25Z ●	80 815 0X12.25Z ●	80 815 0Y12.25Z ●
170	15.31	80 805 0X15.31Z ●	80 805 0Y15.31Z ●	80 815 0X15.31Z ●	80 815 0Y15.31Z ●
106	24.5	80 805 0X024.5Z ●	80 805 0Y024.5Z ●	80 815 0X024.5Z ●	80 815 0Y024.5Z ●
68	38.28	80 805 0X38.28Z ●	80 805 0Y38.28Z ●	80 815 0X38.28Z ●	80 815 0Y38.28Z ●
53	49	80 805 0X00049Z ●	80 805 0Y00049Z ●	80 815 0X00049Z ●	80 815 0Y00049Z ●
42.5	61.25	80 805 0X61.25Z ●	80 805 0Y61.25Z ●	80 815 0X61.25Z ●	80 815 0Y61.25Z ●
21	122.5	80 805 0X122.5Z ●	80 805 0Y122.5Z ●	80 815 0X122.5Z ●	80 815 0Y122.5Z ●
10.5	245	80 805 0X00245Z ●	80 805 0Y00245Z ●	80 815 0X00245Z ●	80 815 0Y00245Z ●
General characteristics					
Motor		82 800 0	82 800 0	82 810 0	82 810 0
Gearbox		81 035 0	81 035 0	81 035 0	81 035 0
Maximum permitted torque from gearmotor under continuous conditions (N.m)		5	5	5	5
Axial load (dynamic) daN		6	6	6	6
Radial load (dynamic) daN		6	6	6	6
Max. output (W)		16.3	17	10.3	9.5
Nominal output (W)		15.7	15.6	9.4	8.7
Gearbox case temperature rise (°C)		44	40	45	46
Weight (g)		920	920	820	820

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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→ 5 Nm 10 and 17 Watts

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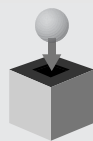
- Mechanical rating of gearbox with output shaft stalled : 5 Nm .
- 10 and 17 W attm otorpower.
- Available in either 12, 24 or 48 V D.C .
- Gearbox ratios options for 1 to 208 rpm .



Specifications

		17 W atts	17 W atts	10 watts	10 W atts
Type		80 807 0	80 807 0	80 817 0	80 817 0
Voltage		12 V	24 V	12 V	24 V
Output speed (rpm)	Ratios (i)				
208	12.5	80 807 012	80 807 018	80 817 0X012.5Z ●	80 817 0Y012.5Z ●
156	50/3	80 807 0X16.67Z ●	80 807 0Y16.67Z ●	80 817 0X16.67Z ●	80 817 0Y16.67Z ●
104	25	80 807 013	80 807 019	80 817 0X00025Z ●	80 817 0Y00025Z ●
62	125/3	80 807 014	80 807 020	80 817 0X41.67Z ●	80 817 0Y41.67Z ●
42	62.5	80 807 015	80 807 021	80 817 0X062.5Z ●	80 817 0Y062.5Z ●
21	125	80 807 016	80 807 001	80 817 0X00125Z ●	80 817 0Y00125Z ●
10	250	80 807 0X00250Z ●	80 807 0Y00250Z ●	80 817 0X00250Z ●	80 817 0Y00250Z ●
5.20	500	80 807 017	80 807 022	80 817 0X00500Z ●	80 817 0Y00500Z ●
1.04	2500	80 807 0X2500Z ●	80 807 0Y02500Z ●	80 817 0X02500Z ●	80 817 0Y02500Z ●
General characteristics					
Motor		82 800 0	82 800 0	82 810 0	82 810 0
Gearbox		81 037 0	81 037 0	81 037 0	81 037 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns N.m		5	5	5	5
Axial load (dynamic) daN		2	2	2	2
Radial load (dynamic) daN		3	3	3	3
Max. output (W)		16.3	17	10.3	9.5
Nominal output (W)		15.7	15.6	9.4	8.7
Gearbox case temperature rise (°C)		44	40	45	46
Weight (g)		800	800	710	710

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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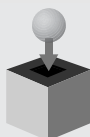
- Mechanical rating of gearbox with output shaft stalled : 2 Nm.
- 10 and 17 Watt motor power.
- Available in either 12, 24 or 48 V D.C.
- Gearbox ratios options for 1 to 40 rpm.



Specifications

		17 Watts	17 Watts	10 Watts	10 Watts
Type		80 804 0	80 804 0	80 814 0	80 814 0
Voltage		12 V	24 V	12 V	24 V
Output speed (rpm)	Ratios (i)				
40	65	80 804 0X00065Z ●	80 804 0Y00065Z ●	80 814 0X00065Z ●	80 814 0Y00065Z ●
24	325/3	80 804 006	80 804 009	80 814 0X108.3Z ●	80 814 0Y108.3Z ●
16	162.5	80 804 0X162.5Z ●	80 804 0Y162.5Z ●	80 814 0X162.5Z ●	80 814 0Y162.5Z ●
8	325	80 804 007	80 804 010	80 814 0X00325Z ●	80 814 0Y00325Z ●
4	650	80 804 008	80 804 011	80 814 0X00650Z ●	80 814 0Y00650Z ●
1	2600	80 804 0X02600Z ●	80 804 0Y02600Z ●	80 814 0X02600Z ●	80 814 0Y02600Z ●
General characteristics					
Motor		82 800 0	82 800 0	82 810 0	82 810 0
Gearbox		81 044 0	81 044 0	81 044 0	81 044 0
Maximum permitted torque from gearmotor under continuous conditions for 1 millions turns Nm		2	2	2	2
Axial load (dynamic) daN		2	2	2	2
Radial load (dynamic) daN		2	2	2	2
Max. output (W)		16.3	17	10.3	9.5
Nominal output (W)		15.7	15.6	9.3	8.7
Gearbox case temperature rise (°C)		44	40	45	46
Weight (g)		670	670	570	570

Products adaptations, available on request



- Special supply voltages
- Special lead lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

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