

FLAT SERVO TORQUE MOTORS

The most compact and powerful motor available.

Flat brushless, coreless motor for direct drive. A powerful machine with extraordinarily rapid response.



Advantages

- ✓ COMPACT - 60% shorter than others (same power)
- ✓ POWERFUL - superior torque capability
- ✓ SMOOTH - no cogging (coreless)
- ✓ COST EFFECTIVE – suitable for automated production in large series



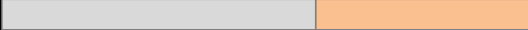
FLAT SERVO MOTORS

	DIMENSIONS			PERFORMANCE					ELECTRICAL		
Model	Frame Size [mm]	Axial Length [mm]	Weight [Kg]	Output Power [W]	Kt [Nm/A]	Rated Torque [Nm]	Rated Speed [rpm]	Peak Torque [Nm]	Volts	Rated Current [A]	Line Resistance [Ω]
CR2080-01	80	32	0.9	135	0.12	0.4	3,200	1.2	48	3.4	1.2
CR2100-01	100	40	1.7	480	0.22	1.2	3,800	3.6	100	5.4	1.3
CR2130-01	130	43	3.0	880	0.52	2.8	3,000	8.4	200	5.4	1.9
CR2150-01	150	48	4.7	1,215	0.82	5.8	2,000	17.4	200	7.0	1.6
CR2180-01	180	52	7.7	2,240	0.96	12.6	1,700	37.8	200	13.1	0.95

Notes:

- All data is given at 25°C with sinusoidal comm. Driver and motor mounted on standard heatsink 250 X 250 X 10 mm.
- 28V and 400V versions also available.
- Insulation class is 155°C. Insulation resistance is tested at 1,000 V.
- 4,096 cpr encoder included as standard. Other options available

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Model	Frame Size	Axial Length	TORQUE RANGE [Nm] @ speed 500 rpm							
			2	5	10	20	40	60	120	180
CR2080-00	80	32	 0.6 /1.8							
CR2100-00	100	40	 1.8 /5.5							
CR2130-00	130	43	 4.4 /13.2							
CR2150-00	150	48	 7.3 /22							
CR2180-00	180	52	 14.8 /44.5							
CR2230-00	230	74	 39.6 /119							
CR2260-00	260	86	 60 /180							

Rated Torque

Max. Torque

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	DIMENSIONS			PERFORMANCE					ELECTRICAL	
Model	Frame Size [mm]	Axial Length [mm]	Weight [Kg]	Output Power [W]	Kt [Nm/A]	Rated Torque [Nm]	Rated Speed [rpm]	Peak Torque [Nm]	Rated Current [A]	Line Resistance [Ω]
CR2080-00	80	32	0.9	31	0.18	0.6	500	1.8	3.4	1.6
CR2100-00	100	40	1.7	94	0.34	1.8	500	5.5	5.4	1.6
CR2130-00	130	43	3.0	230	0.83	4.4	500	13.2	5.3	2.4
CR2150-00	150	48	4.7	380	1.02	7.3	500	22.0	7.2	1.8
CR2180-00	180	52	7.7	775	1.16	14.8	500	44.5	12.8	1.1
CR2230-00	230	74	15	2,070	2.2	39.6	500	118.8	18	0.96
CR2260-00	260	86	19	3,140	2.1	60	500	180.0	29	0.45

Notes:

- All data is given at 25°C with motor mounted on standard heatsink 250 X 250 X 10 mm (CR2230, CR2260 tested on 350 X 350 X 15 mm heatsink).
- 28V, 200V and 400V versions also available.
- Insulation class is 155°C. Insulation resistance is tested at 1,000 V.
- 14 bit encoder included as standard. Other options available