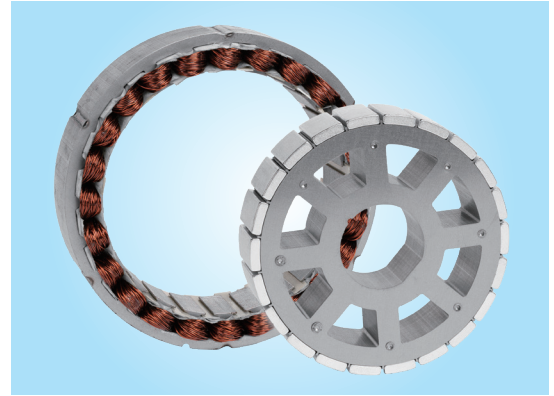


MF130AS

Frameless Brushless Torque Motor

General information

- Multipolar and high torque density
- Low Cogging Torque
- Low torque ripple
- High overload capability
- Hall Board or encoder available



Specification

	Unit	MF130AS100	MF130AS200	MF130AS300	MF130AS400
Winding Voltage	V	48	48	48	48
Rated Torque (continuous)	Nm	4.5	6	9	12
Rated Current	A	4	5.2	8	10.4
Rated Speed (max)	RPM	300	300	300	300
Rated Power	W	141	188.5	283	377
Peak Torque	Nm	13.5	18	27	36
No Load Speed	RPM	400	400	400	400
Torque Constant ($\pm 10\%$)	Nm / A	1.125	1.125	1.125	1.125
Voltage Constant ($\pm 10\%$)	V / KRPM	83	83	83	83
Terminal Resistance ($\pm 12\%$)	ohm	2.1	1.38	0.88	0.6
Terminal Inductance ($\pm 30\%$)	mH	2.65	1.91	1.18	0.82
Motor Inertia	Kg-cm ²	10.9	14.5	21.8	29
Poles		22	22	22	22
Stator length (L1)	mm	24	32	48	64
Rotor sleeve length (L2)	mm	24	32	48	64

Mechanical

