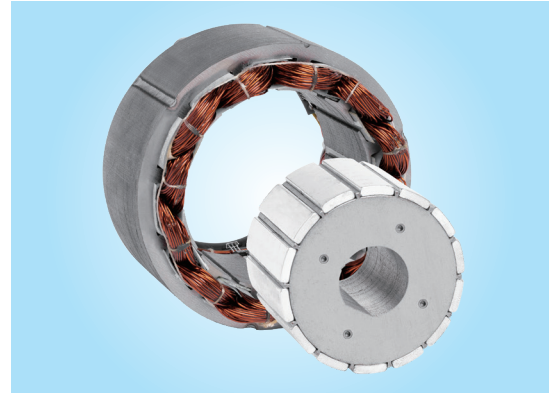


MF080AS

Frameless Brushless Torque Motor

General information

- Multipolar and high torque density
- Low Speed and High Torque
- Low Rotor Inertia
- High overload capability
- Hall Board or encoder available



Specification

	Unit	MF080AS100	MF080AS200	MF080AS300
Winding Voltage	V	48	48	48
Rated Torque (continuous)	Nm	2.4	3.6	4.8
Rated Current	A	5.2	7.8	10.4
Rated Speed (max)	RPM	750	750	750
Rated Power	W	188	283	377
Peak Torque	Nm	7.2	10.8	14.4
No Load Speed	RPM	1000	1000	1000
Torque Constant ($\pm 10\%$)	Nm / A	0.462	0.462	0.462
Voltage Constant ($\pm 10\%$)	V / KRPM	32	32	32
Terminal Resistance ($\pm 12\%$)	ohm	1.75	0.96	0.7
Terminal Inductance ($\pm 30\%$)	mH	2	1.2	0.9
Motor Inertia	Kg-cm ²	1.46	2.19	2.92
Poles		14	14	14
Stator length (L1)	mm	40	60	80
Rotor sleeve length (L2)	mm	40	60	80

Mechanical

