



Notes

- Rare earth permanent magnet field
- Optional shaft/pinion arrangements available
- Motors meet requirements of MIL-M-8609B
- Alternate winding configurations available
- All steel construction

Motor Parameters (at 28 VDC)

Part Number	DC Resistance (ohms)	Torque Constant (oz-in/amp)	Voltage Constant (v/krpm)	Peak Current (amps)	Peak Torque (oz-in)	No Load Speed (rpm, ref.)
8MF-240	13.9	8.57	6.34	2.01	17.3	4,400
8MF-250	8.6	6.75	4.99	3.23	21.2	5,600
8MF-260	5.34	5.31	3.93	5.24	27.8	7,100
8MF-270	3.31	4.19	3.10	8.45	35.4	9,000
8MF-280	2.05	3.30	2.44	13.60	44.9	11,500
8MF-340	17.6	11.68	8.65	1.60	18.8	3,240
8MF-350	10.9	9.25	6.84	2.56	23.7	4,100
8MF-360	6.80	7.29	5.39	4.13	30.1	5,200
8MF-370	4.20	5.74	4.24	6.68	38.3	6,600
8MF-380	2.60	4.51	3.33	10.80	48.7	8,400
8MF-440	18.0	14.00	10.37	1.55	21.7	2,700
8MF-450	11.0	10.97	8.11	2.53	27.8	3,450
8MF-460	6.80	8.60	6.36	4.11	35.4	4,400
8MF-470	4.27	6.82	5.04	6.55	44.7	5,550
8MF-480	2.65	5.36	3.97	10.57	56.8	7,050
8MF-490	1.64	4.22	3.12	17.04	72.0	8,950

Motor Design Information (REF.)

Dash Number	Breakaway Torque (oz-in)	Thermal Resistance (°C/w)	Thermal Time Constant (minutes)	Weight (oz.)	Max Winding Temp (°C)	Inertia (oz-in-s ²)
-2xx	.35	8.0	12.0	8.0 oz.	180	2.2 x 10 ⁻⁴
-3xx	.40	7.2	14.5	9.1 oz.	180	3.5 x 10 ⁻⁴
-4xx	.45	6.3	17.0	10.2 oz.	180	5.0 x 10 ⁻⁴

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