



CW ROTATION VIEWING SHAFT END

Notes

- Large motor performance in small package
- New magnetic circuit design (patent pending)
- Ultra efficient— cooler running
- Rare earth magnetic field
- Optional shaft/pinion arrangements available
- Motor meets requirements of MIL-M-8609B
- Alternate winding configurations available
- Unit has phenolic rear cover

Motor Parameters (at 28 VDC)

Part Number	DC Resistance (ohms)	Torque Constant (oz. in/amp)	Voltage Constant (v/krpm)	Peak Current (amps)	Peak Torque (in-oz)	No Load Spd. (Ref.) (rpm)
8ME-630	71.3	16.46	12.17	0.39	6.47	2,300
8ME-640	44.2	12.96	9.58	0.63	8.21	2,920
8ME-650	27.4	10.21	7.55	1.02	10.43	3,710
8ME-660	17.0	8.04	5.94	1.65	13.25	4,710
8ME-670	10.5	6.33	4.68	2.66	16.83	5,990
8ME-680	6.5	4.98	3.68	4.29	21.37	7,600
8ME-690	4.0	3.92	2.90	6.92	27.14	9,650

Motor Design Information (REF.)

Breakaway Torque (in-oz)	Thermal Resistance (°C/w)	Thermal Time Constant (sec.)	Weight (oz.)	Max Winding Temp (°C)	Inertia (oz-in-s ²)
0.45	12	240	2.2 oz.	155	9.4 x 10 ⁻⁵