



PERFORMANCE DATA SHEET NEMA PREMIUM NR CAN NEMA 12 - 12



Catalogue #: **MQOP-78**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
100	74.60	230/460	1.15	95.0%	0.84	444T	B	725

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
257	234	129.4	117	112.1	/	/	G	1190

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
294.0	147	134.6	1.00		93.5%	0.82	E	985

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1320	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	95.0%	Full Load:	0.84	Full Load Ft/Lbs	442.5		
3/4 Load:	94.5%	3/4 Load:	0.82	Locked Rotor %	150		
1/2 Load:	94.5%	1/2 Load:	0.75	Break Down %	245	0	20

Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
80.68	1610	Standard	Cast Iron	Standard	Standard	ODP	IP23	6AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
NU318	6318	Mobil PolyrexEm	Rigid	Horizontal	Green	82	94

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	10:1	20:1	1800

