



PERFORMANCE DATA SHEET
NEMA PREMIUM NR CAN NEMA 12 - 12



Catalogue #: **MQOP-107**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
300	223.80	460	1.15	95.8%	0.87	449T	B	2200

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	370.4	335	321	/	/	G	1790

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						
/	411	376.3	1.00	95.0%	0.87	D	1488	

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
2220	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	95.8%	Full Load:	0.87	Full Load Ft/Lbs	885.4		
3/4 Load:	96.0%	3/4 Load:	0.86	Locked Rotor %	140	0	20
1/2 Load:	95.6%	1/2 Load:	0.80	Break Down %	245		

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
94.92	1500	Standard	Cast Iron	Standard	Standard	ODP	IP23	1AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
NU318	6318	Mobil PolyrexEm	Rigid	Horizontal	Green	93	105

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	10:1	20:1	2700

WIRING CONNECTION DIAGRAM : **C**

