



PERFORMANCE DATA SHEET  
NEMA PREMIUM NR CAN NEMA 12 - 12



Catalogue #: **MQP-62**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
50	37.30	230/460	1.25	94.5%	0.83	326T	B	362

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
124	116.6	62	58.3	55.8	/	/	G	1780

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						
143.0	71.5	65.5	1.00	93.0%	0.85	F	1475	

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
594	3	Cont.	F	40°C	1000M (3300 Ft)	61

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	94.5%	Full Load:	0.83	Full Load Ft/Lbs	148.0		
3/4 Load:	94.0%	3/4 Load:	0.80	Locked Rotor %	175	0.15	20
1/2 Load:	93.8%	1/2 Load:	0.71	Break Down %	250		

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
7.59	340	Standard	Cast Iron	Standard	Standard	TEFC	IP55	8AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6312	6312	Mobil PolyrexEm	Rigid	Horizontal	Green	78	89

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 : **B**

