

PERFORMANCE DATA SHEET NEMA PREMIUM NR CAN NEMA 12 - 12

Catalogue #: **MPP-78**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
100	74,60	575	1,15	95,0%	0,815	444T	B	580

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	/	/	/	96,8	/	G	1185

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
/	/	/	/		/	/	/	/

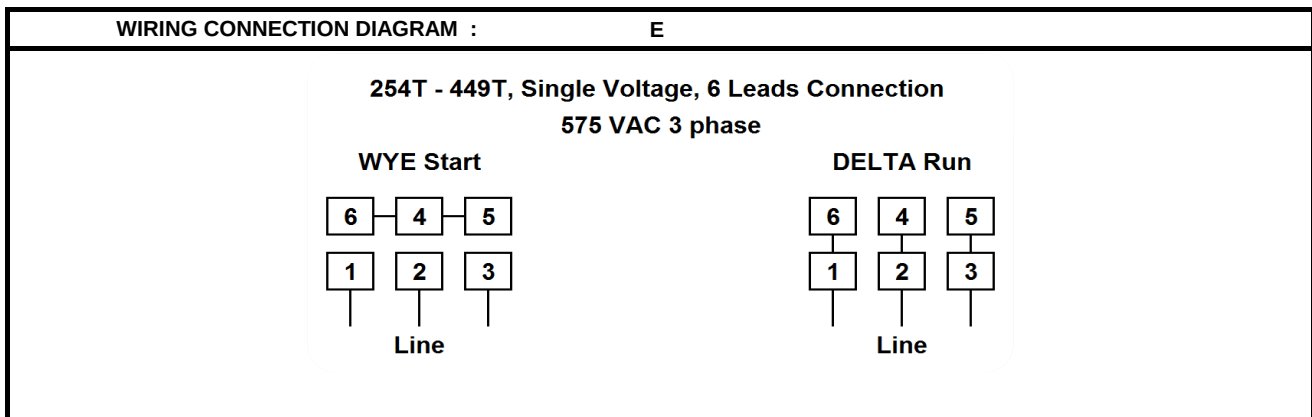
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1320	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque			
Full Load:	95,0%	Full Load:	0,82	Full Load Ft/Lbs	443,2	Winding Resist. Ω	Safe Cold Start (Secs)
3/4 Load:	95,0%	3/4 Load:	0,79	Locked Rotor %	150		
1/2 Load:	95,0%	1/2 Load:	0,71	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
80,68	1610	Standard	Cast Iron	Standard	Standard	TEFC	IP55	6AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
NU319	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

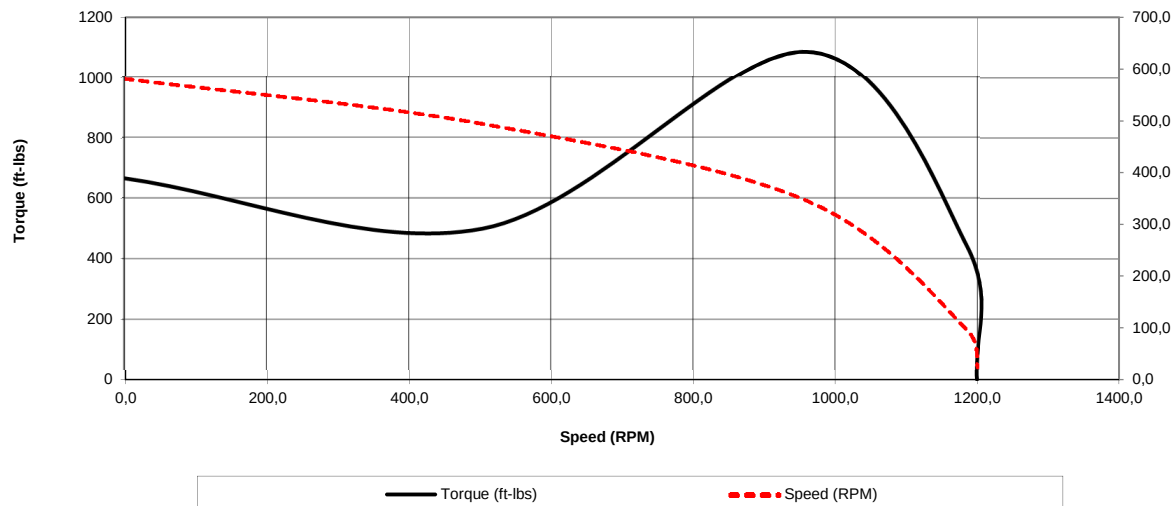


Date: 2020-02-27
 Customer:
 Contact:
 Submittee: J.C. Lavallée

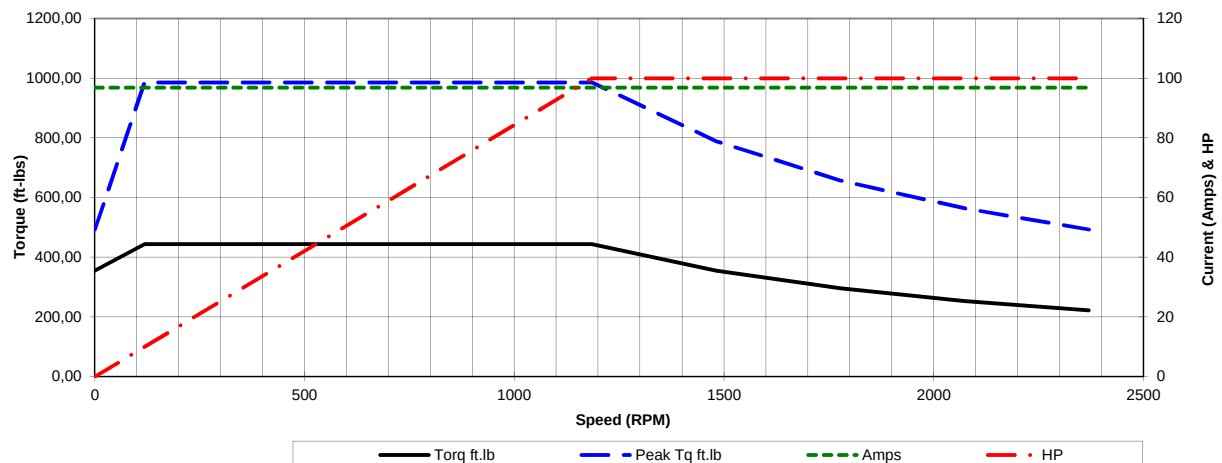
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NEMA PREMIUM NR CAN NEMA 12 - 12										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
100	575	1185	TEFC	444T	60	B	6	G	F	< 80
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	96,8	96,8	96,8	96,8	96,8	96,8	96,8	96,8	96,8	96,8
RPM	0	118,5	296,25	592,5	888,75	1185	1481,25	1777,5	2073,75	2370
Torq ft.lb	354,57	443,21	443,21	443,21	443,21	443,21	354,57	295,47	253,26	221,60
Peak Tq ft.lb	493,07	986,14	986,14	986,14	986,14	986,14	788,91	657,42	563,51	493,07
HP	0	10,0	25,0	50,0	75,0	100,0	100,0	100,0	100,0	100,0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	504	960	1185	1200	Continuous	1,15	40°C	3300 ft	82
Current (Amps)	580,0	493,0	345,1	96,8	24,3	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	664,8	498,6	1085,9	443,2	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM

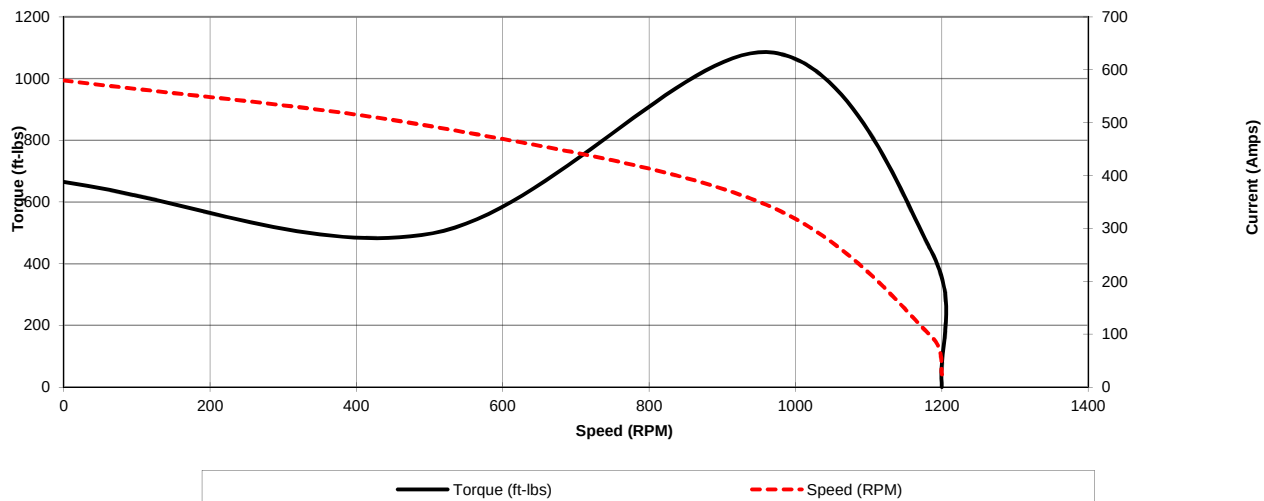


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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
100	575	1185	TEFC	444T	60	B	6	G	F	< 80
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	24,30	34,61	53,14	74,05	96,80	118,75	139,97			
Torq ft./lbs	0	109,76	220,21	331,36	443,21	555,77	669,04			
RPM	0	1196,25	1192,5	1188,75	1185	1181,25	1177,5			
Eff	0	79,46	95,00	95,00	95,00	95,00	95,00			
PF	0	68,1	71	79	81,5	83	84,5			
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	504	960	1185	1200	Continuous	1,15	40°C	3300 ft	82
Current (Amps)	580	493,0	345,1	96,8	24,2968	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft.-lbs)	664,81	498,61	1085,86	443,21	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data

