



**PERFORMANCE DATA SHEET
NEMA PREMIUM NR CAN NEMA 12 - 12**

Catalogue #: **MQOP-96**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
200	149,20	460	1,15	95,0%	0,9	444TS	B	1450

60 Hz							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	/	219,00	/	/		G	3575

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
/	262		1,00		93,9%	0,920	F	2980

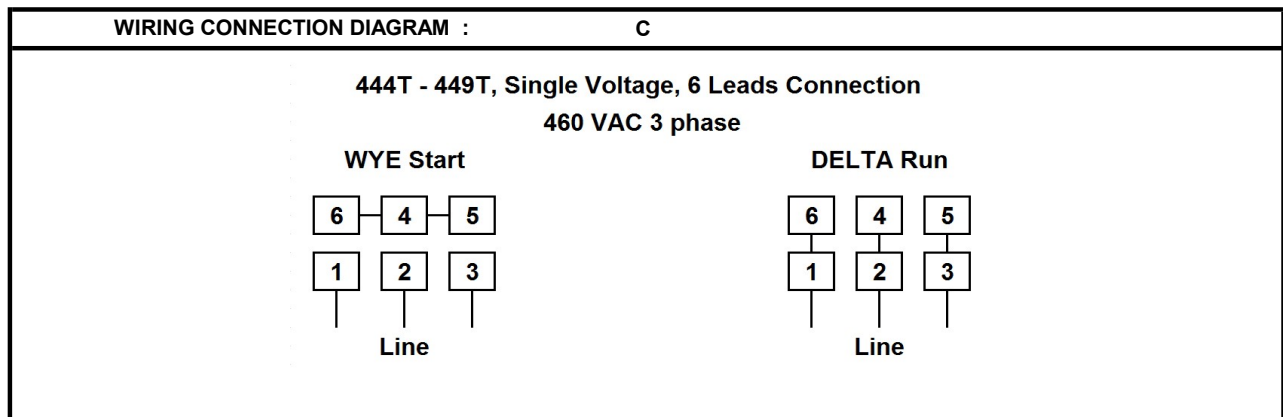
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1584	3	Cont.	F	40°C	1000M (3,300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	95,0%	Full Load:	0,90	Full Load Ft/Lbs	293,8		
3/4 Load:	94,4%	3/4 Load:	0,88	Locked Rotor %	130		
1/2 Load:	94,0%	1/2 Load:	0,84	Break Down %	240	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
27,29	220	1045	Cast Iron	Cast Iron	Cast Iron	ODP	IP23	3AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6314	6314	Mobil PolyrexEm	Rigid	Horizontal	RAL6022	95	107

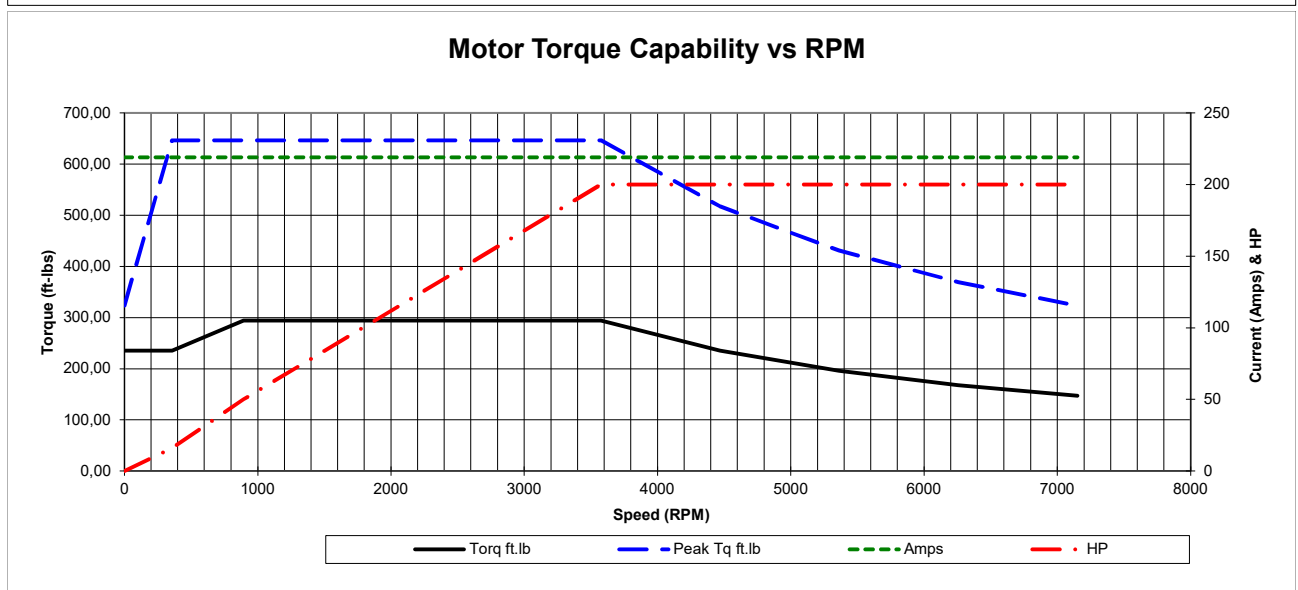
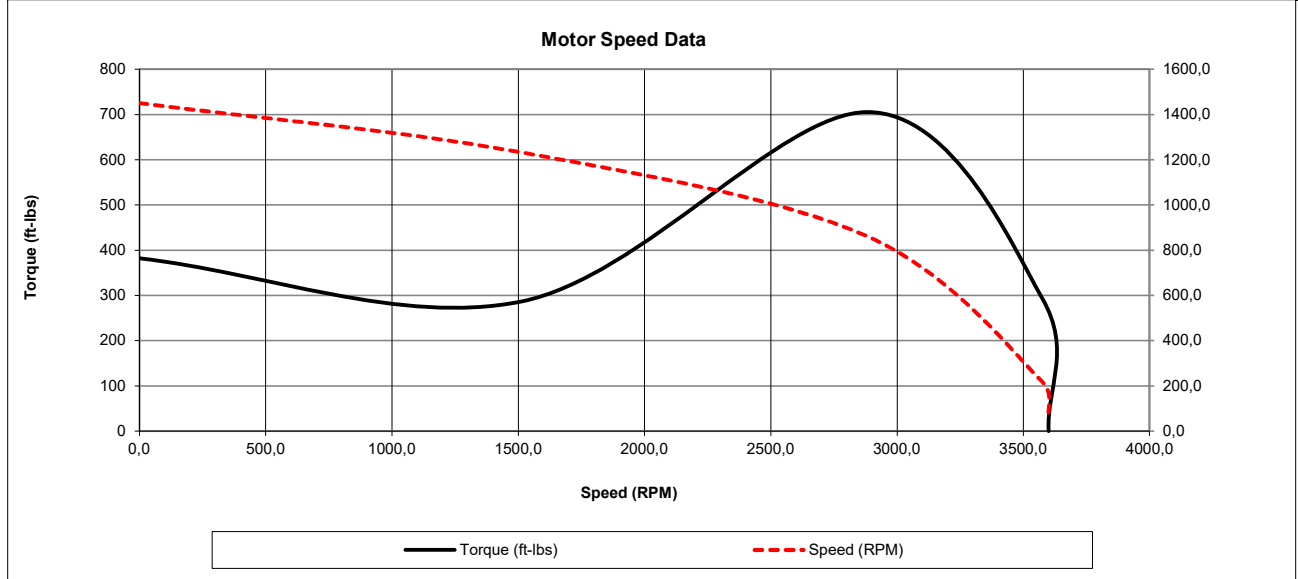
Inverter Duty, Motor meets MG1 parts 31.4.4.2	VFD SF	Constant Torque Range	Variable Torque Range	Constant HP RPM
	1,00	10:1	20:1	5400



Date: 2023-12-13
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
200	460	3575	ODP	444TS	60 Hz	B	2	G	F	< 80
	0Hz	6Hz	15Hz	30Hz	45Hz	60 Hz	75Hz	90Hz	105Hz	120Hz
Amps	219	219	219	219	219	219	219	219	219	219
RPM	0	357,5	893,75	1787,5	2681,25	3575	4468,75	5362,5	6256,25	7150
Torq ft.lb	235,05	235,05	293,82	293,82	293,82	293,82	235,05	195,88	167,90	146,91
Peak Tq ft.lb	323,20	646,40	646,40	646,40	646,40	646,40	517,12	430,93	369,37	323,20
HP	0	16,0	50,0	100,0	150,0	200,0	200,0	200,0	200,0	200,0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	1512	2880	3575	3600	Continuous	1,15	40°C	3,300 ft	95
Current (Amps)	1450,0	1232,5	862,8	219,0	83,2	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	382,0	286,5	705,2	293,8	0,0	C.T.	10:1	V.T.	20:1	VFD SF 1.00

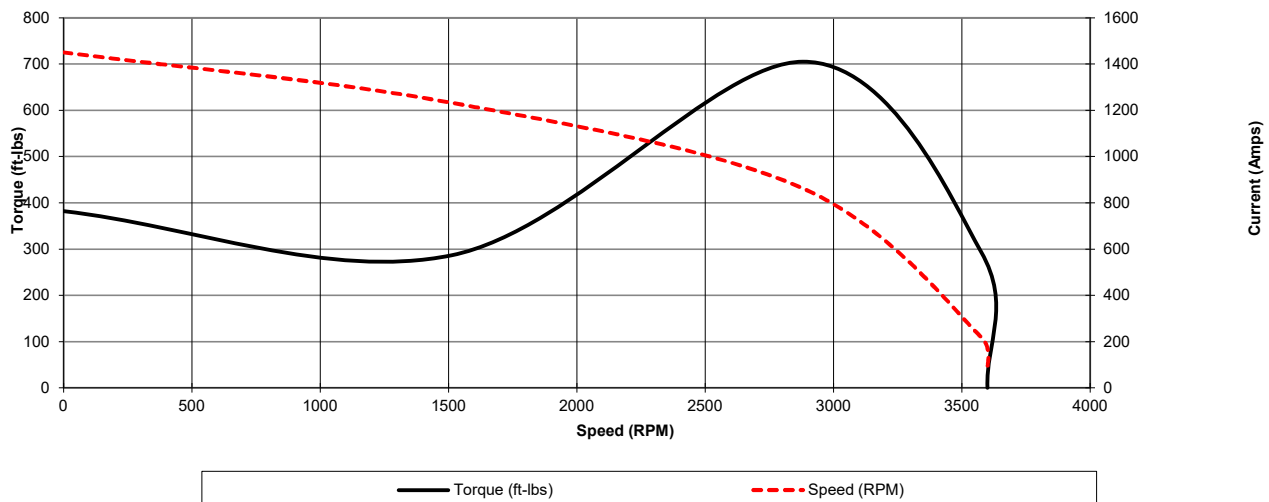


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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
200	460	3575	ODP	444TS	60 Hz	B	2	G	F	< 80
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	83,22	69,64	129,65	171,04	219,00	275,40	338,49			
Torq ft/lbs	0	73,07	146,40	219,98	293,82	367,92	442,27			
RPM	0	3593,75	3587,5	3581,25	3575	3568,75	3562,5			
Eff	0	93,37	94,00	94,40	95,00	93,51	93,14			
PF	0	72	84	88	90	90,9	89,1			
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1512	2880	3575	3600	Continuous	1,15	40°C	3,300 ft	95
Current (Amps)	1450	1232,5	862,8	219	83,22	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	381,96	286,47	705,16	293,82	0,0	C.T.	10:1	V.T.	20:1	VFD SF 1.00

Motor Speed Data



Motor Load Data

