



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

Catalogue #: **MQOP-86**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
150	111,90	460	1,15	94,1%	0,9	405TS	B	1085

60 Hz							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	/	166,00	/	/		G	3575

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
/	197		1,00		93,5%	0,920	D	2980

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1408	3	Cont.	F	40°C	1000M (3,300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	94,1%	Full Load:	0,90	Full Load Ft/Lbs	220,4		
3/4 Load:	93,5%	3/4 Load:	0,88	Locked Rotor %	150		
1/2 Load:	93,0%	1/2 Load:	0,84	Break Down %	250	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
21,36	170	1045	Cast Iron	Cast Iron	Cast Iron	ODP	IP23	4AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6314	6314	Mobil PolyrexEm	Rigid	Horizontal	RAL6022	92	104

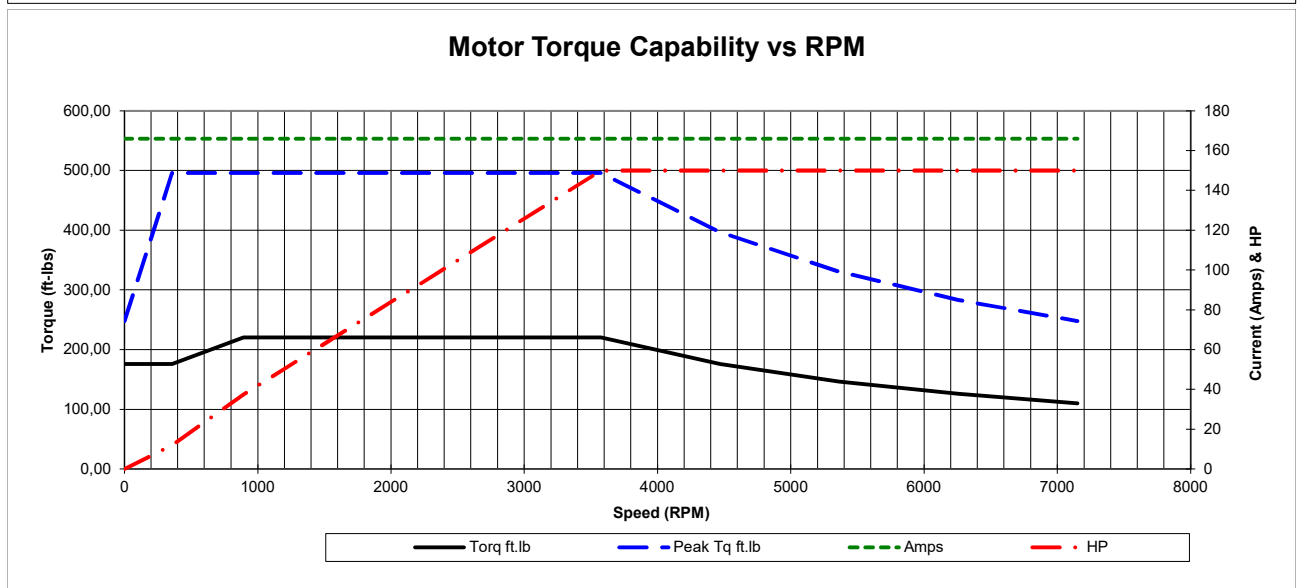
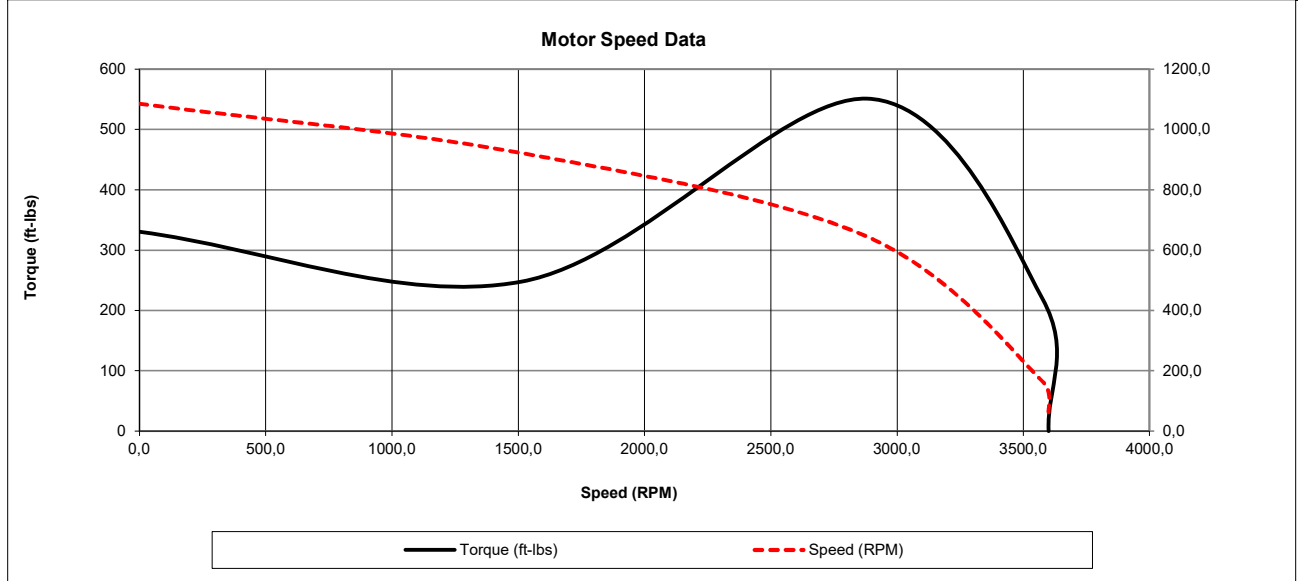
Inverter Duty, Motor meets MG1 parts 31.4.4.2	VFD SF	Constant Torque Range	Variable Torque Range	Constant HP RPM
	1,00	10:1	20:1	5400



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
150	460	3575	ODP	405TS	60 Hz	B	2	G	F	< 80
	0Hz	6Hz	15Hz	30Hz	45Hz	60 Hz	75Hz	90Hz	105Hz	120Hz
Amps	166	166	166	166	166	166	166	166	166	166
RPM	0	357,5	893,75	1787,5	2681,25	3575	4468,75	5362,5	6256,25	7150
Torq ft.lb	176,29	176,29	220,36	220,36	220,36	220,36	176,29	146,91	125,92	110,18
Peak Tq ft.lb	247,91	495,82	495,82	495,82	495,82	495,82	396,65	330,55	283,32	247,91
HP	0	12,0	37,5	75,0	112,5	150,0	150,0	150,0	150,0	150,0
	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	92
Current (Amps)	1085,0	922,3	645,6	166,0	63,1	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft.-lbs)	330,5	247,9	550,9	220,4	0,0	C.T.	10:1	V.T.	20:1	VFD SF 1.00

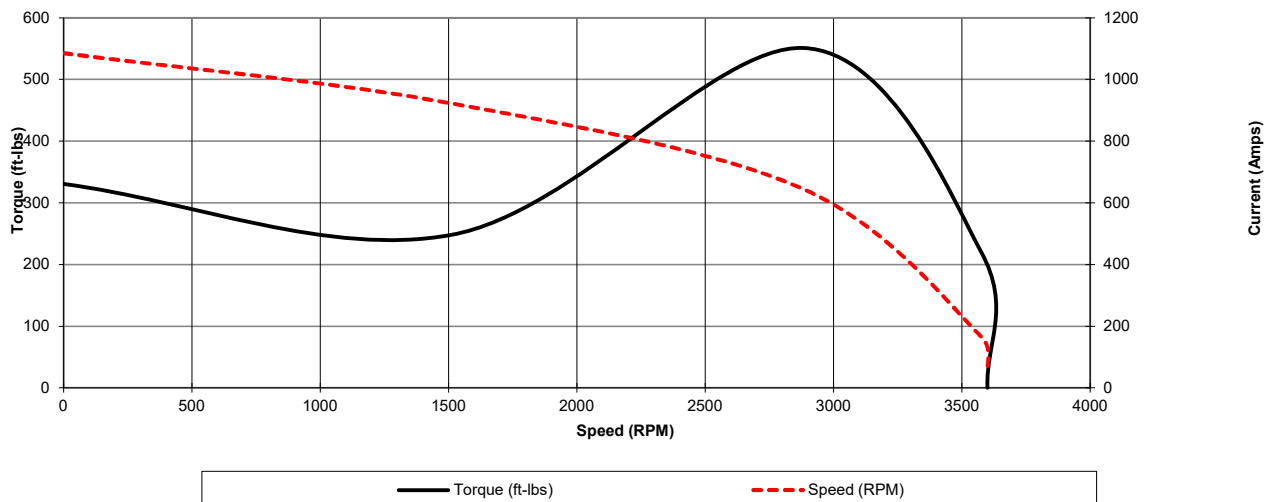


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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
150	460	3575	ODP	405TS	60 Hz	B	2	G	F	< 80
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	63,08	53,12	98,27	129,65	166,00	208,53	256,29			
Torq ft/lbs	0	54,80	109,80	164,98	220,36	275,94	331,71			
RPM	0	3593,75	3587,5	3581,25	3575	3568,75	3562,5			
Eff	0	92,84	93,00	93,50	94,10	92,62	92,26			
PF	0	71,2	84	88	90	90,9	89,1			
Speed (RPM)	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	92
Current (Amps)	1085	922,3	645,6	166	63,08	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	330,55	247,91	550,91	220,36	0,0	C.T.	10:1	V.T.	20:1	VFD SF 1.00

Motor Speed Data



Motor Load Data

