

PERFORMANCE DATA SHEET EPACT NR CAN NEMA 12 - 11

Catalogue #: **MQC-97W**

HP	KW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
200	149,20	460	1,15	95,0%	0,89	447T	C	1450

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	241	218,00	209	/	/		

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						1,00
/	269	246,3						

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1782	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	95,0%	Full Load:	0,89	Full Load Ft/Lbs	590,3		
3/4 Load:	94,7%	3/4 Load:	0,89	Locked Rotor %	210		
1/2 Load:	94,3%	1/2 Load:	0,84	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
64,07	997,2	Standard	Cast Iron	Standard	Standard	TEFC	IP55	3AWG

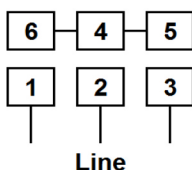
Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
NU319	6318	Mobil PolyrexEm	Rigid	Horizontal	Blue	91	103

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

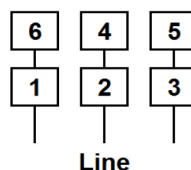
WIRING CONNECTION DIAGRAM : C

444T - 449T, Single Voltage, 6 Leads Connection
460 VAC 3 phase

WYE Start



DELTA Run



Date: 2018-07-06
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

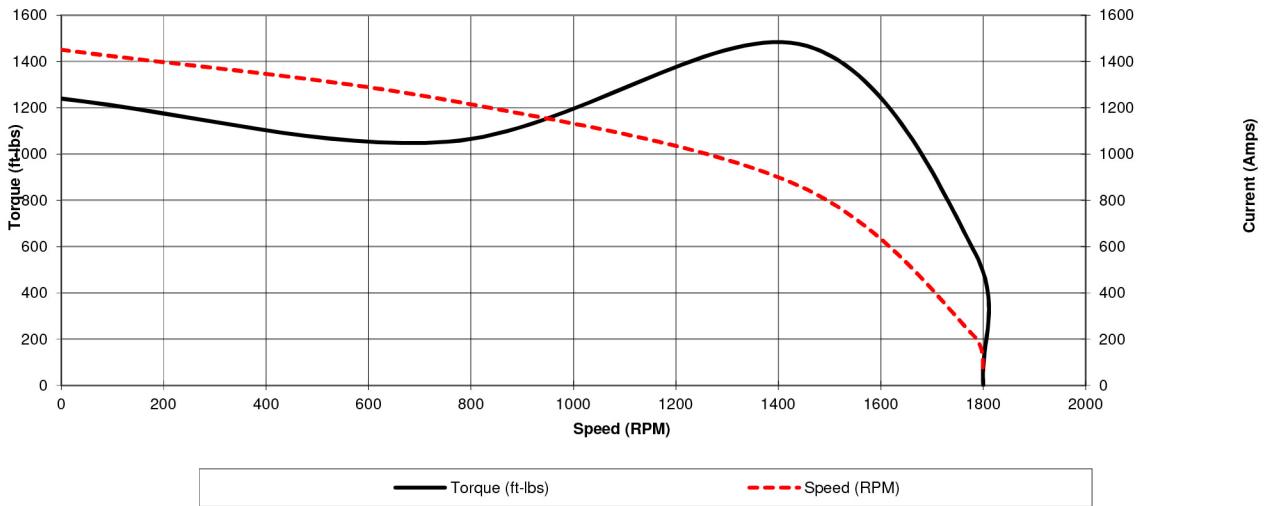
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EPACT NR CAN NEMA 12 - 11										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
200	460	1780	TEFC	447T	60	C	4	G	F	< 80

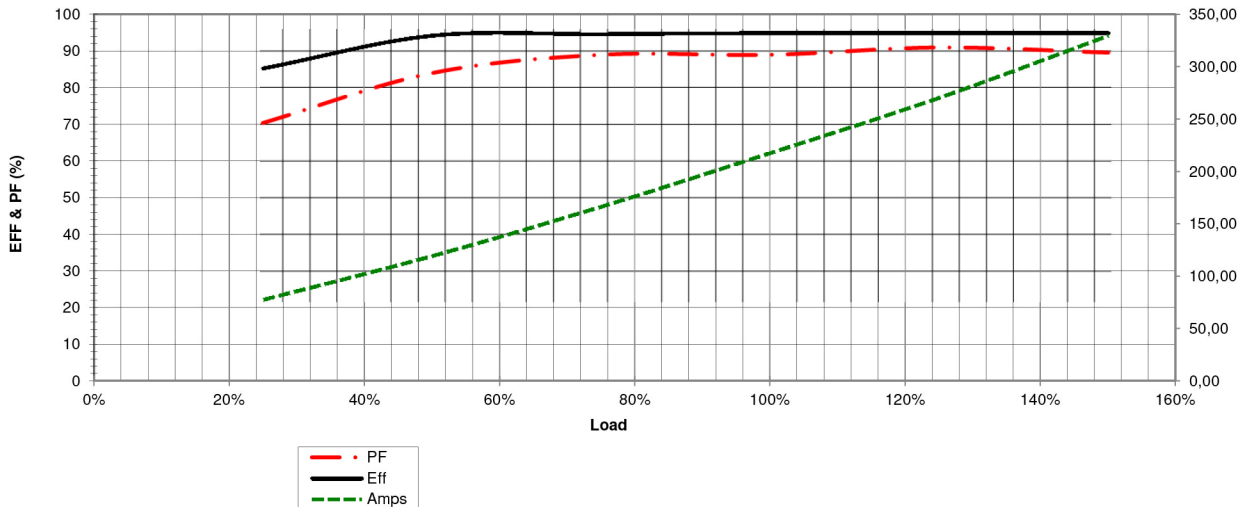
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	54,72	77,94	119,68	166,77	218,00	270,77	330,00
Torq ft/lbs	0	146,30	293,41	441,34	590,11	739,72	890,17
RPM	0	1795	1790	1785	1780	1775	1770
Eff	0	85,33	94,30	94,70	95,00	95,00	95,00
PF	0	70,4	84	89	89	91	89,6

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0	756	1440	1780	1800	Continuous	1,15	40°C	3,300 ft	91
Current (Amps)	1450	1232,5	862,8	218	54,718	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	1239,24	1053,35	1475,28	590,11	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data



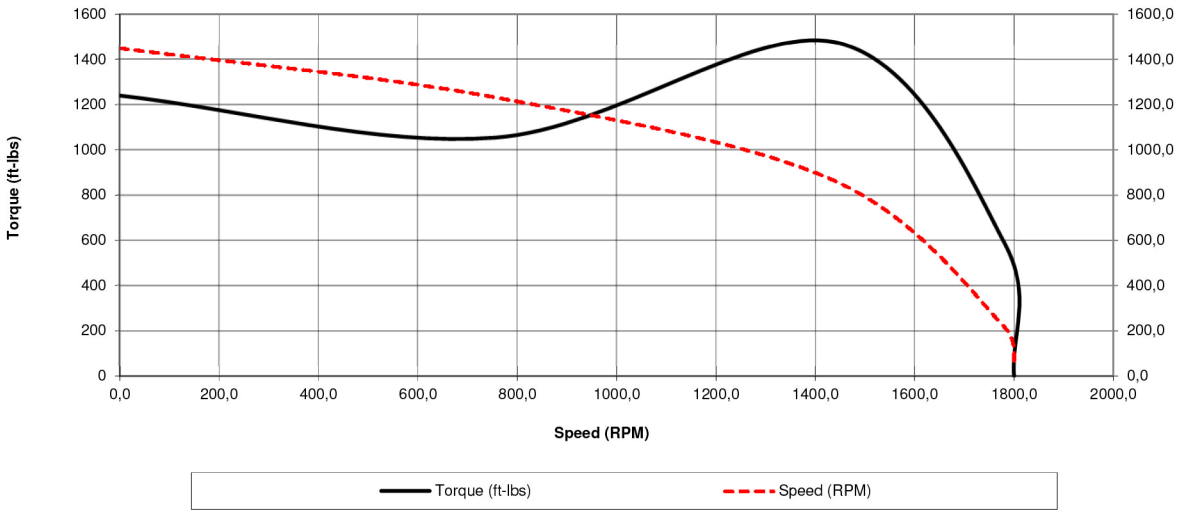
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
200	460	1780	TEFC	447T	60	C	4	G	F	< 80
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	218	218	218	218	218	218	218	218	218	218
RPM	0	178	445	890	1335	1780	2225	2670	3115	3560
Torq ft.lb	472,09	472,09	590,11	590,11	590,11	590,11	472,09	393,41	337,21	295,06
Peak Tq ft.lb	663,88	1327,75	1327,75	1327,75	1327,75	1327,75	1062,20	885,17	758,72	663,88
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	756	1440	1780	1800	Continuous	1,15	40°C	3,300 ft	91
Current (Amps)	1450,0	1232,5	862,8	218,0	54,7	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	1239,2	1053,4	1475,3	590,1	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM

