

PERFORMANCE DATA SHEET EPACT NR CAN NEMA 12 - 11

Catalogue #: **MQC-76W**

HP	KW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
100	74,60	230/460	1,15	93,6%	0,92	405TS	C	725

60 Hz								Code	F.L. RPM
FLA									
208	230	416	460	480	575	600			
231	218	115,5	109,00	104	/	/	G	3560	

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						
266,0	133	121	1,00	92,1%	0,93	F	2960	

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1042	3	Cont.	F	40°C	1000M (3300 Ft)	65

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	93,6%	Full Load:	0,92	Full Load Ft/Lbs	147,2		
3/4 Load:	93,6%	3/4 Load:	0,89	Locked Rotor %	200		
1/2 Load:	92,0%	1/2 Load:	0,85	Break Down %	280	0,04	20

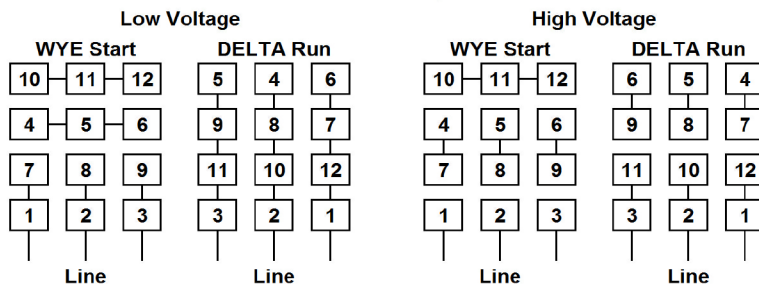
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
10,68	119,6	Standard	Cast Iron	Standard	Standard	TEFC	IP55	6AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6314	6314	Mobil PolyrexEm	Rigid	Horizontal	Blue	91	102

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

WIRING CONNECTION DIAGRAM : B

213T - 405T, Dual Voltage, 12 Leads Connection
230 / 460 VAC 3 phase



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

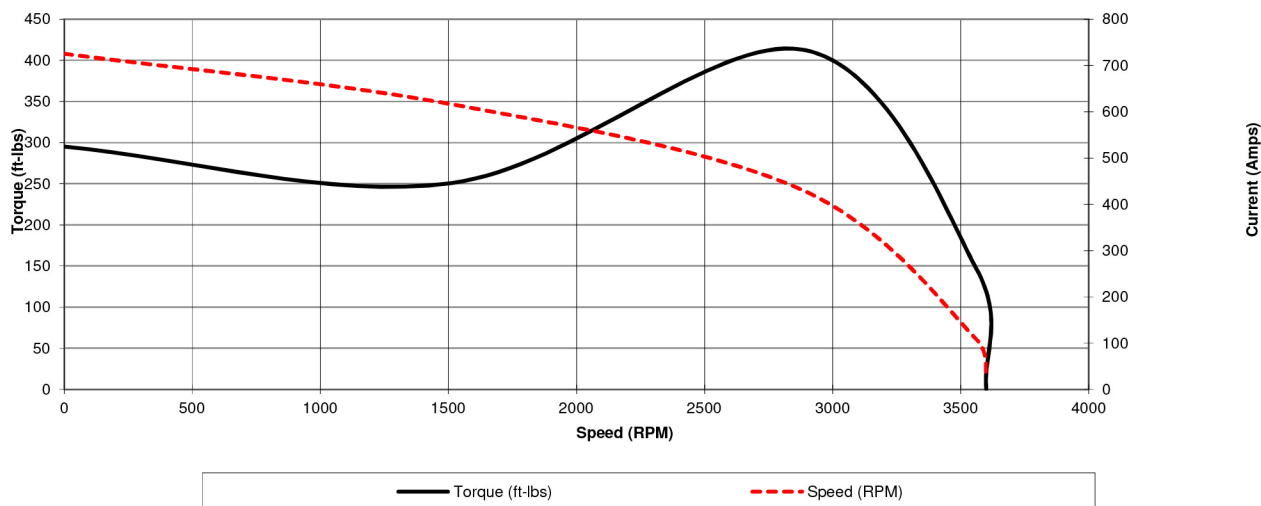
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EPACT NR CAN NEMA 12 - 11										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
100	460	3560	TEFC	405TS	60	C	2	G	F	65

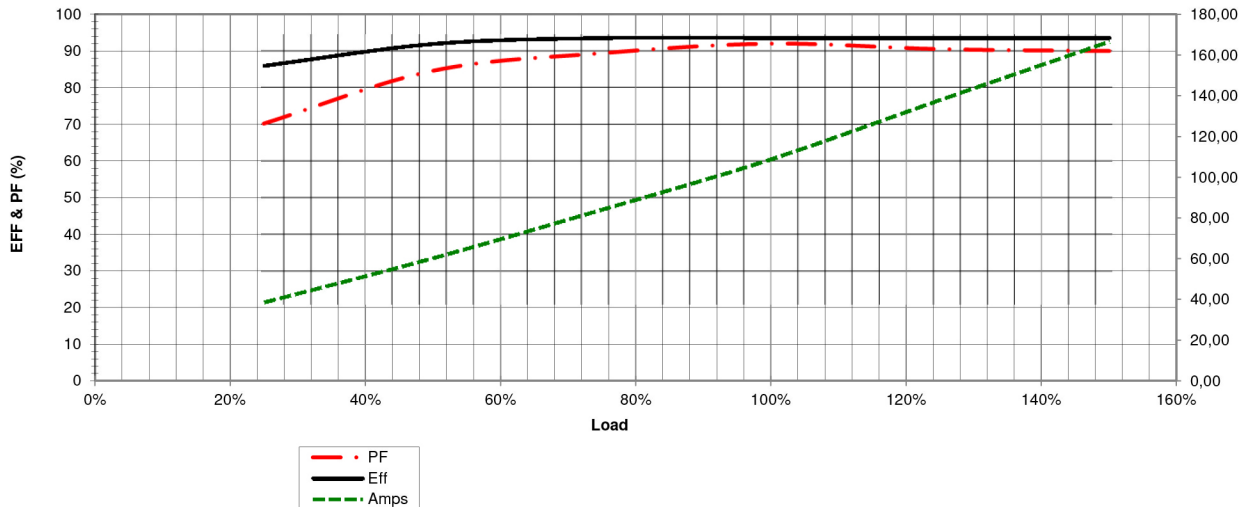
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	27,00	38,76	60,47	84,30	109,00	138,17	166,72
Torq ft/lbs	0	36,75	73,63	110,64	147,89	185,29	222,83
RPM	0	3590	3580	3570	3560	3550	3540
Eff	0	86,03	92,00	93,60	93,60	93,60	93,60
PF	0	70,2	84,6	89,4	92	90,5	90

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0	1512	2880	3560	3600	Continuous	1,15	40°C	3,300 ft	91
Current (Amps)	725	616,3	431,4	109	27	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	295,06	250,80	413,08	147,53	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data



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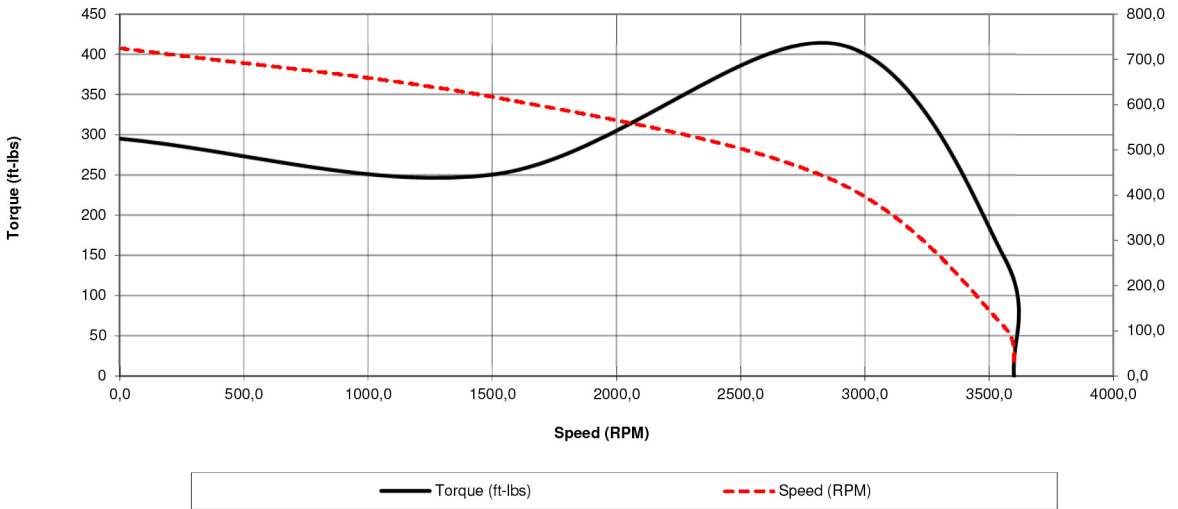
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
100	460	3560	TEFC	405TS	60	C	2	G	F	65

	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	109	109	109	109	109	109	109	109	109	109
RPM	0	356	890	1780	2670	3560	4450	5340	6230	7120
Torq ft.lb	118,02	118,02	147,53	147,53	147,53	147,53	118,02	98,35	84,30	73,76
Peak Tq ft.lb	177,03	354,07	354,07	354,07	354,07	354,07	283,25	236,04	202,32	177,03
HP	0	8,0	25,0	50,0	75,0	100,0	100,0	100,0	100,0	100,0

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Motor Speed Data



Motor Torque Capability vs RPM

