

PERFORMANCE DATA SHEET EPACT NR CAN NEMA 12 - 11

Catalogue #: **MQC-86W**

HP	KW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
150	111,90	460	1,15	94,5%	0,91	445TS	C	1085

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	179	162,00	155	/	/		

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						1,00
/	201	184						

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
1408	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	94,5%	Full Load:	0,91	Full Load Ft/Lbs	220,5		
3/4 Load:	94,0%	3/4 Load:	0,93	Locked Rotor %	200		
1/2 Load:	93,3%	1/2 Load:	0,90	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
19,93	159,6	Standard	Cast Iron	Standard	Standard	TEFC	IP55	4AWG

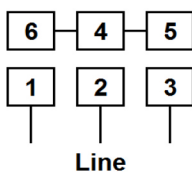
Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6314	6314	Mobil PolyrexEm	Rigid	Horizontal	Blue	92	104

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	10:1	20:1	5400

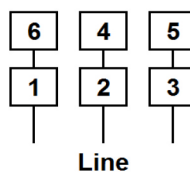
WIRING CONNECTION DIAGRAM : C

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

WYE Start



DELTA Run

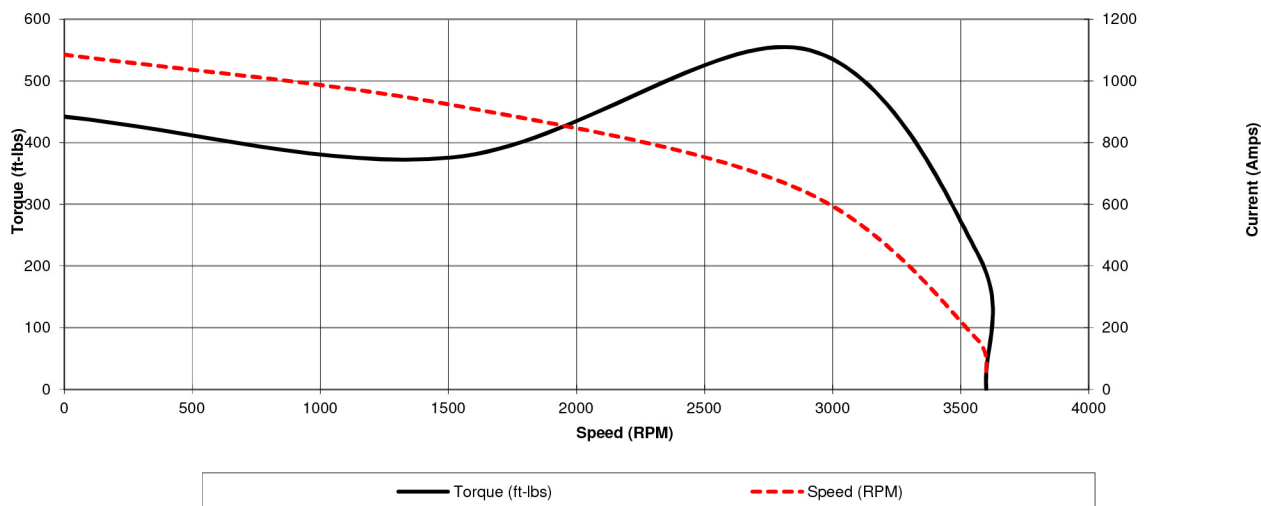


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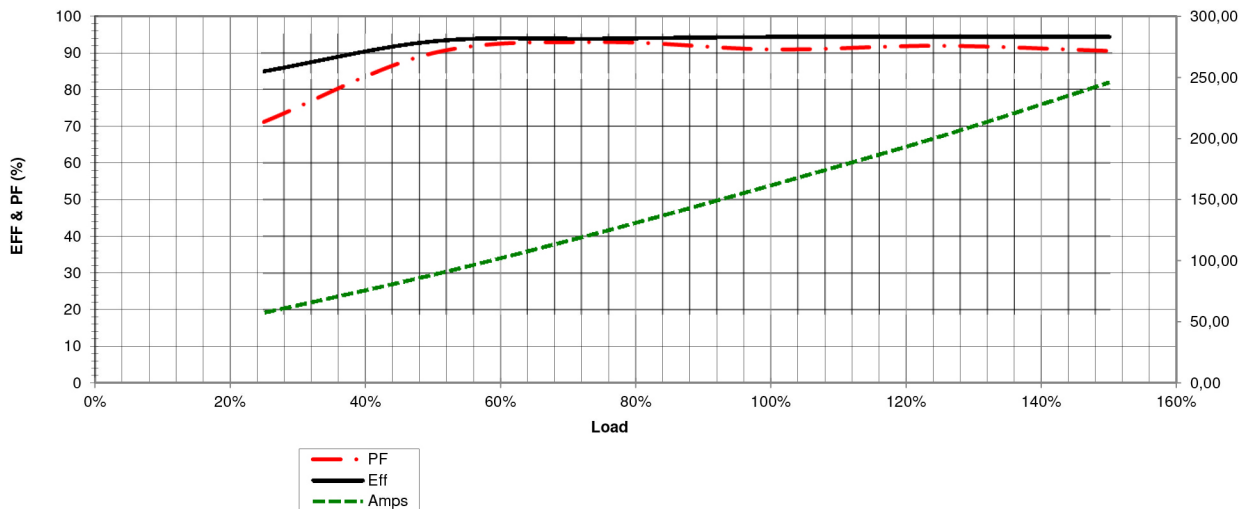
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
150	460	3565	TEFC	445TS	60	C	2	G	F	< 80
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	40,66	57,92	88,94	123,93	162,00	201,93	246,06			
Torq ft/lbs	0	54,84	109,95	165,33	220,98	276,91	333,11			
RPM	0	3591,25	3582,5	3573,75	3565	3556,25	3547,5			
Eff	0	85,15	93,30	94,00	94,50	94,50	94,50			
PF	0	71,2	90	93	91	92	90,6			
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0	1512	2880	3565	3600	Continuous	1,15	40°C	3,300 ft	92
Current (Amps)	1085	922,3	645,6	162	40,662	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	441,96	375,67	552,45	220,98	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data



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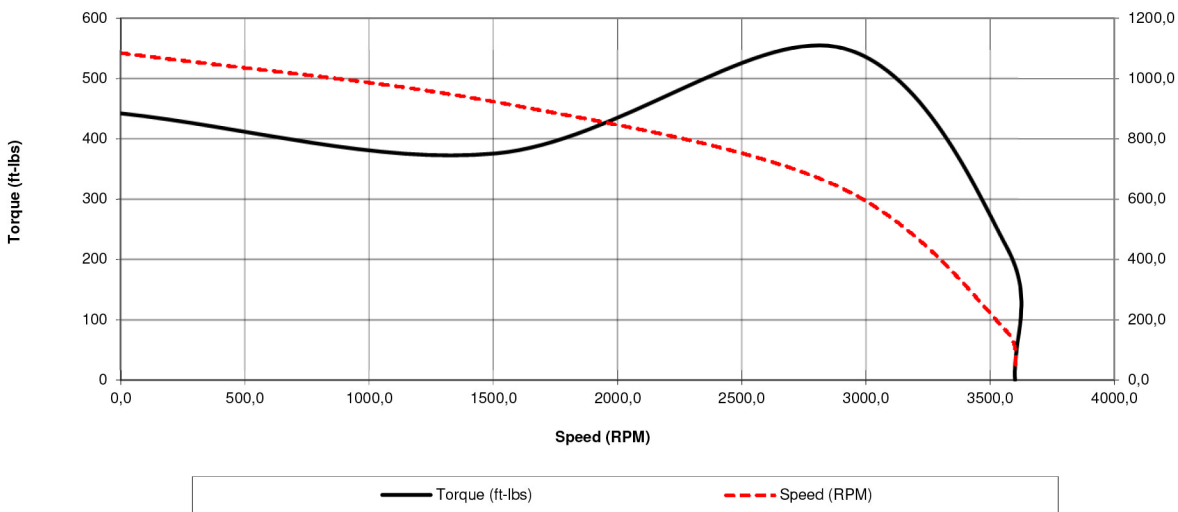
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
150	460	3565	TEFC	445TS	60	C	2	G	F	< 80

	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	162	162	162	162	162	162	162	162	162	162
RPM	0	356,5	891,25	1782,5	2673,75	3565	4456,25	5347,5	6238,75	7130
Torq ft.lb	176,79	176,79	220,98	220,98	220,98	220,98	176,79	147,32	126,28	110,49
Peak Tq ft.lb	248,60	497,21	497,21	497,21	497,21	497,21	397,77	331,47	284,12	248,60
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	3565	3600	Continuous	1,15	40°C	3,300 ft	92
Current (Amps)	1085,0	922,3	645,6	162,0	40,7	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	442,0	375,7	552,5	221,0	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM

