

PERFORMANCE DATA SHEET NEMA PREMIUM NR CAN NEMA 12 - 12

Catalogue #: **MPP-4**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
1	0,75	575	1,25	75,5%	0,65	182T	B	12

60 Hz							
FLA						Code	F.L. RPM
208	230	416	460	480	575	600	
/	/	/	/	/	1,55	/	M 865

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
/	/	/						

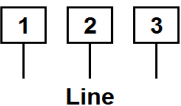
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
64	3	Cont.	F	40°C	1000M (3300 Ft)	< 80

% Efficiency		% Power Factor		Torque			
Full Load:	75,5%	Full Load:	0,65	Full Load Ft/Lbs	6,1	Winding Resist. Ω	Safe Cold Start (Secs)
3/4 Load:	74,0%	3/4 Load:	0,55	Locked Rotor %	230		
1/2 Load:	70,0%	1/2 Load:	0,42	Break Down %	320		

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
0,28	33,8	Standard	Cast Iron	Standard	Standard	TEFC	IP55	16AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6306	6306						
		Sealed Bearings	Rigid	Horizontal	Green	53	60

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	10:1	20:1	1350

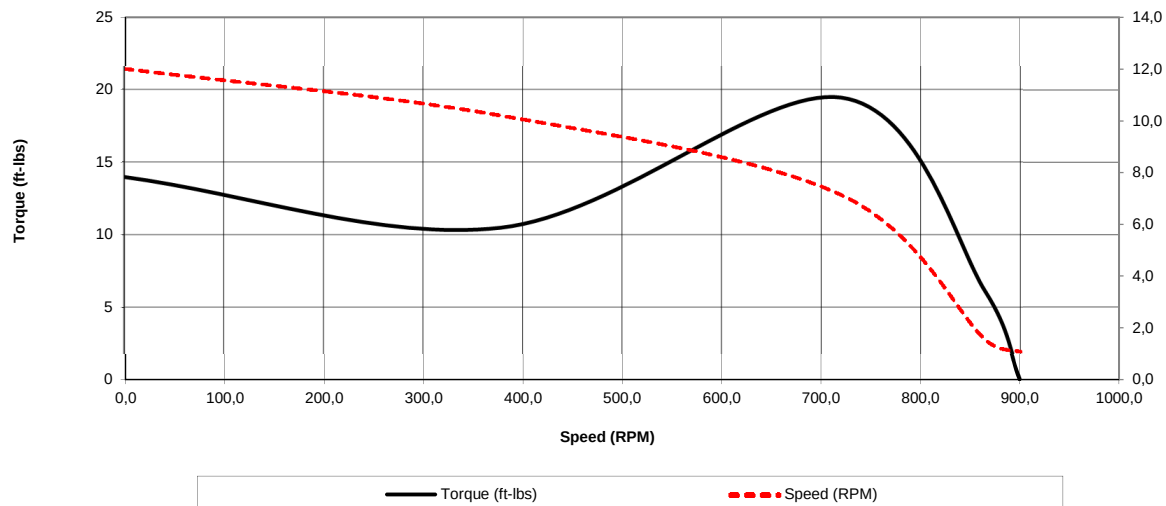
WIRING CONNECTION DIAGRAM : D
143T - 215T, Single Voltage, DOL, 3 Leads WYE Connection 575 VAC 3 phase 

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 Submittee: J.C. Lavallée

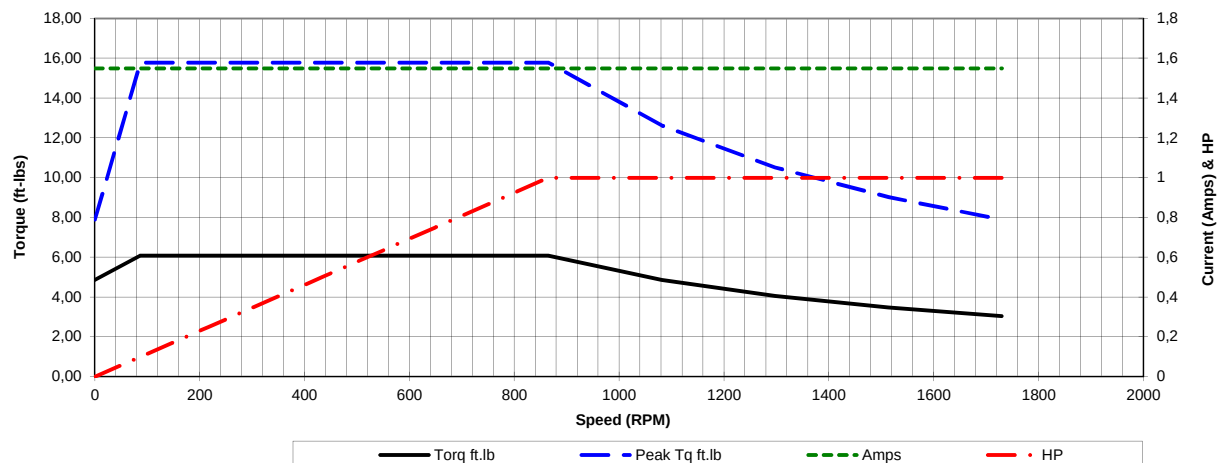
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NEMA PREMIUM NR CAN NEMA 12 - 12										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
1	575	865	TEFC	182T	60	B	8	M	F	< 80
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	1,55	1,55	1,55	1,55	1,55	1,55	1,55	1,55	1,55	1,55
RPM	0	86,5	216,25	432,5	648,75	865	1081,25	1297,5	1513,75	1730
Torq ft.lb	4,86	6,07	6,07	6,07	6,07	6,07	4,86	4,05	3,47	3,04
Peak Tq ft.lb	7,89	15,79	15,79	15,79	15,79	15,79	12,63	10,52	9,02	7,89
HP	0	0,1	0,3	0,5	0,8	1,0	1,0	1,0	1,0	1,0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	378	720	865	900	Continuous	1,25	40°C	3300 ft	53
Current (Amps)	12,0	10,2	7,1	1,6	1,1	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	14,0	10,5	19,4	6,1	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM



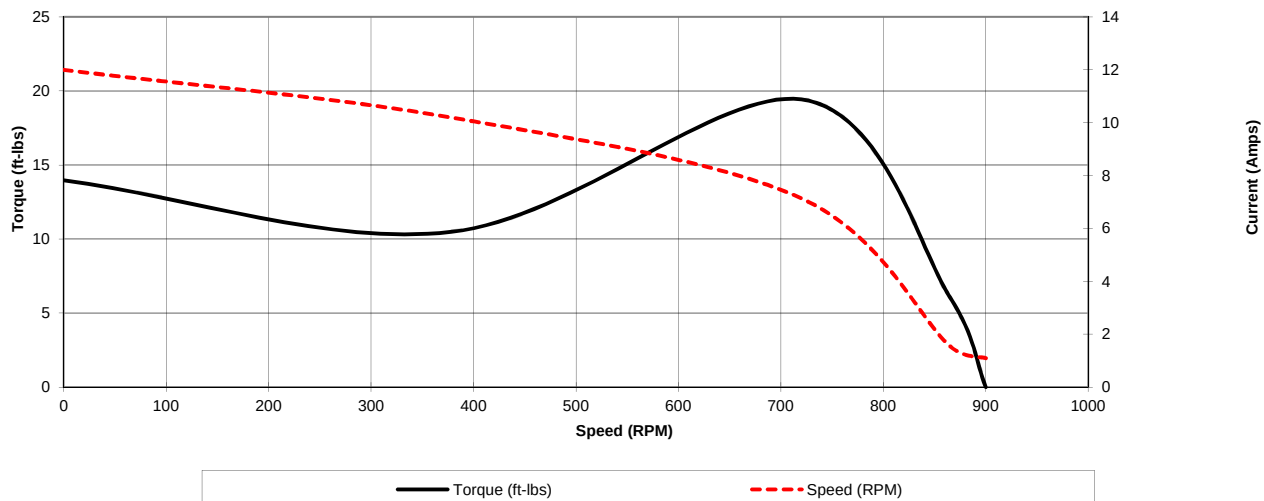


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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
1	575	865	TEFC	182T	60	B	8	M	F	< 80
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	1,10	1,18	1,26	1,41	1,55	1,82	2,13			
Torq ft/lbs	0	1,47	2,98	4,51	6,07	7,67	9,30			
RPM	0	891,25	882,5	873,75	865	856,25	847,5			
Eff	0	53,53	70,00	74,00	75,50	75,50	75,50			
PF	0	29,7	42	55	65	68	70			
Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M	
Speed (RPM)	0	378	720	865	900	Continuous	1,25	40°C	3300 ft	53
Current (Amps)	12	10,2	7,1	1,55	1,1005	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	13,96	10,47	19,43	6,07	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data

