

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

Catalogue #: MQA-26

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
7,5	5,60	230/460	1,25	89,5%	0,9	213T	B	63

60 Hz								Code	F.L. RPM
FLA									
208	230	416	460	480	575	600			
18,8	17,6	9,4	8,80	8,5	/	/	H	3530	

50 Hz								
FLA			S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM	
190	380	415						
21,0	10,5	9,6	1,00	87,5%	0,92	E	2920	

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
119	3	Cont.	F	40°C	1000M (3300 Ft)	42

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	89,5%	Full Load:	0,90	Full Load Ft/Lbs	11,2		
3/4 Load:	89,1%	3/4 Load:	0,88	Locked Rotor %	180		
1/2 Load:	85,5%	1/2 Load:	0,81	Break Down %	300	1,5	20

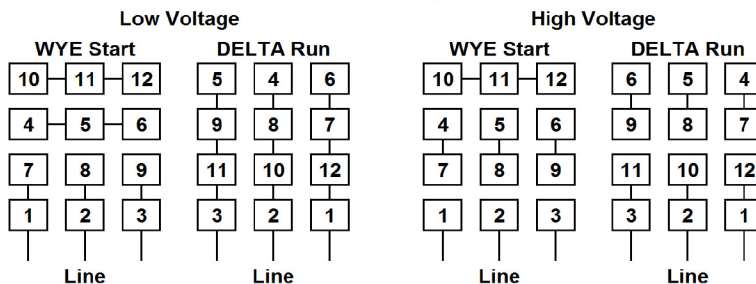
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
0,31	12,2	Standard	Aluminum	Standard	Standard	TEFC	IP55	14 AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6308	6308	Sealed Bearings	Rigid	Horizontal	Aluminum	81	91

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

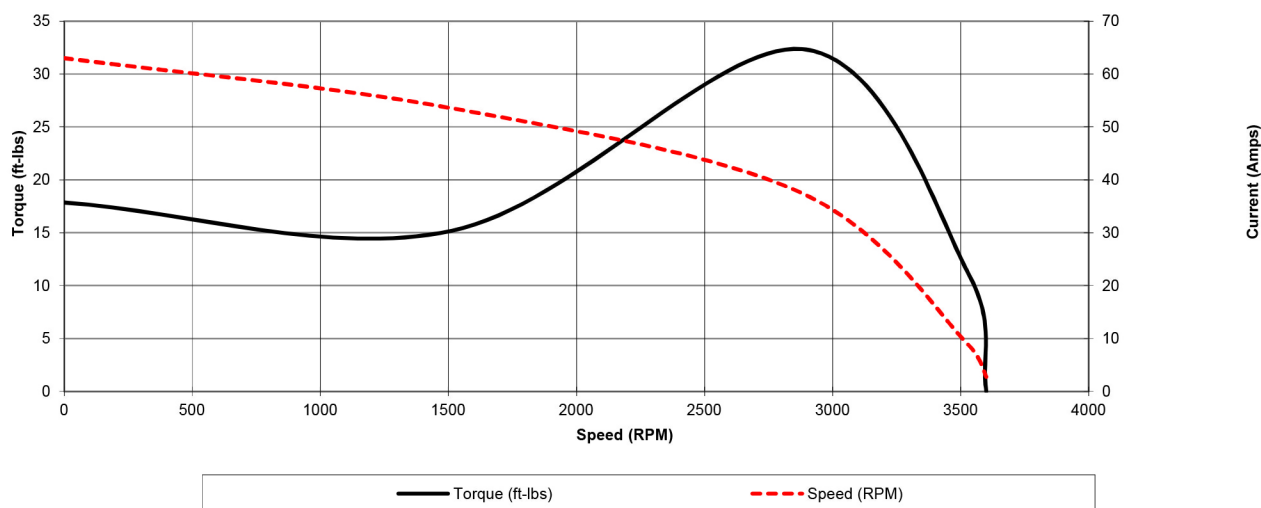


Date: 10/07/2018  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: J.C. Lavallée

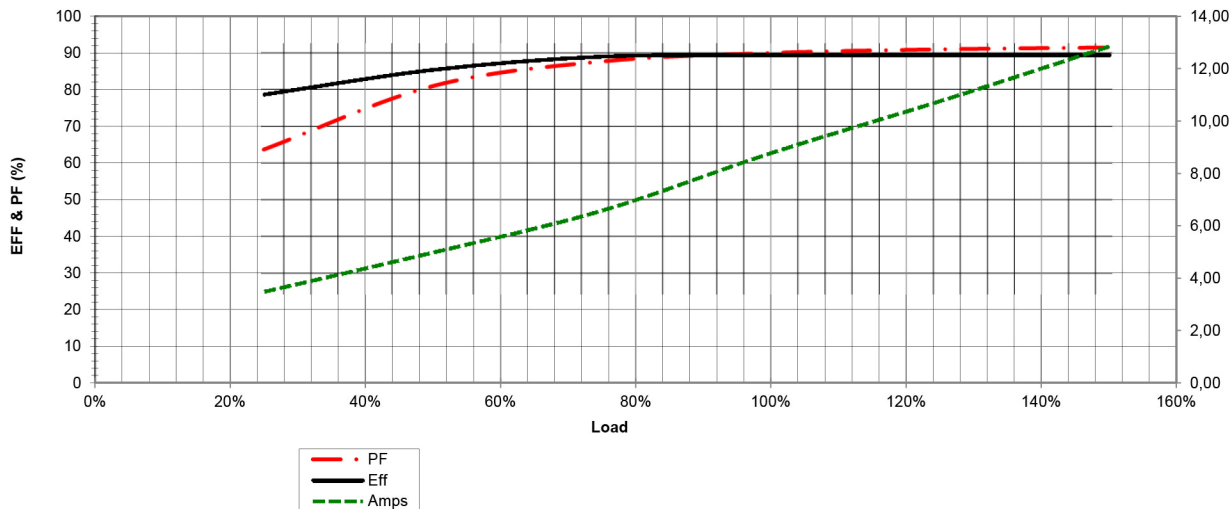
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NEMA PREMIUM NR CAN NEMA 12 - 12										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
7,5	460	3530	TEFC	213T	60	B	2	H	F	42
<b>Load %</b>	<b>0%</b>	<b>25%</b>	<b>50%</b>	<b>75%</b>	<b>100%</b>	<b>125%</b>	<b>150%</b>			
<b>Amps</b>	2,75	3,50	5,00	6,60	8,80	10,78	12,86			
<b>Torq ft/lbs</b>	0	2,71	5,43	8,19	10,99	13,79	16,67			
<b>RPM</b>	0	3582,5	3565	3547,5	3530	3512,5	3495			
<b>Eff</b>	0	78,75	85,50	89,10	89,50	89,50	89,50			
<b>PF</b>	0	63,7	81	87,7	90	91	91,5			
	<b>Locked Rotor</b>	<b>Pull-Up</b>	<b>Breakdown</b>	<b>Rated Load</b>	<b>Idle</b>	<b>Duty</b>	<b>S. F.</b>	<b>Ambient</b>	<b>Elevation</b>	<b>dBa @ 1M</b>
<b>Speed (RPM)</b>	0	1512	2880	3530	3600	Continuous	1,25	40°C	3,300 ft	81
<b>Current (Amps)</b>	63	53,6	37,5	8,8	2,75	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
<b>Torque (ft-lbs)</b>	17,85	15,18	32,36	11,16	0,0	C.T.	10:1	V.T.	20:1	

**Motor Speed Data**



**Motor Load Data**



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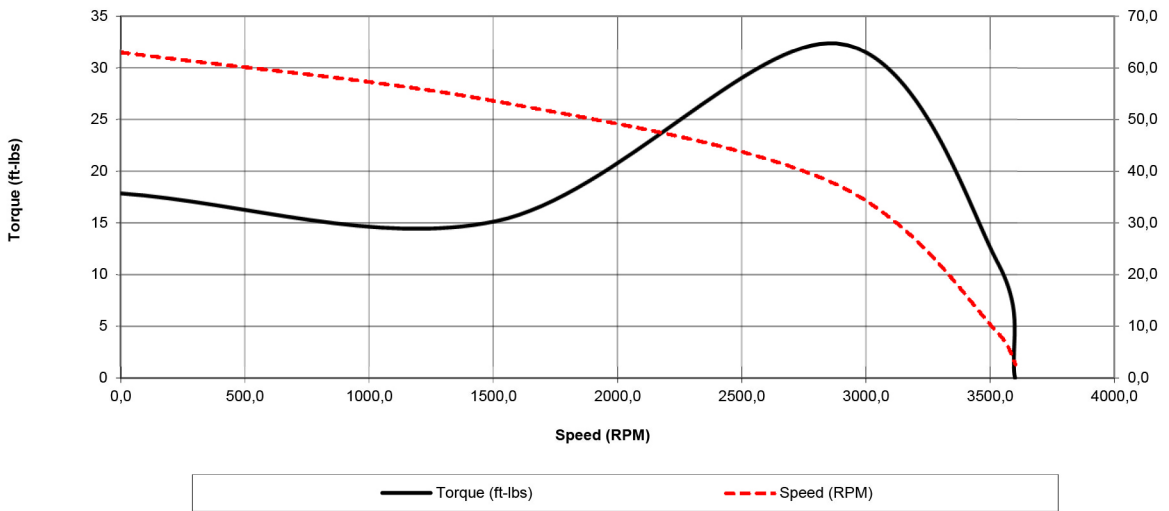
### NEMA PREMIUM NR CAN NEMA 12 - 12

HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
7,5	460	3530	TEFC	213T	60	B	2	H	F	42

	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	8,8	8,8	8,8	8,8	8,8	8,8	8,8	8,8	8,8	8,8
RPM	0	353	882,5	1765	2647,5	3530	4412,5	5295	6177,5	7060
Torq ft.lb	8,93	11,16	11,16	11,16	11,16	11,16	8,93	7,44	6,38	5,58
Peak Tq ft.lb	13,67	27,34	27,34	27,34	27,34	27,34	21,87	18,23	15,62	13,67
HP	0	0,8	1,9	3,8	5,6	7,5	7,5	7,5	7,5	7,5

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	1512	2880	3530	3600	Continuous	1,25	40°C	3,300 ft	81
Current (Amps)	63,0	53,6	37,5	8,8	2,8	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	17,9	15,2	32,4	11,2	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM

