Date: 2020-04-02
Customer:
Contact:
Submittee: J.C. Lavallée

PERFORMANCE DATA SHEET
NEMA PREMIUM NR CAN NEMA 12 - 12

Catalogue #: JMPP-16S

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
3	2,24	575	1,25	86,5%	0,81	145JM	B	26

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	/	/	/	3,2	/	K	3470

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
90	3	Cont.	F	40°C	1000M (3300 Ft)	32

% Efficiency		% Power Factor			Torque		
Full Load:	86,5%	Full Load:	0,81	Full Load Ft/Lbs	4,5	Winding Resist. Ω	Safe Cold Start (Secs)
3/4 Load:	87,1%	3/4 Load:	0,74	Locked Rotor %	200		
1/2 Load:	84,0%	1/2 Load:	0,61	Break Down %	300	5,9	20

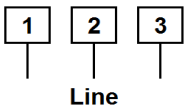
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
0,06	17	Standard	Cast Iron	Standard	Standard	TEFC	IP55	14 AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6308	6306	Sealed Bearings	Rigid	Horizontal	Green	78	88

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 : D

143T - 215T, Single Voltage, DOL, 3 Leads WYE Connection
575 VAC 3 phase



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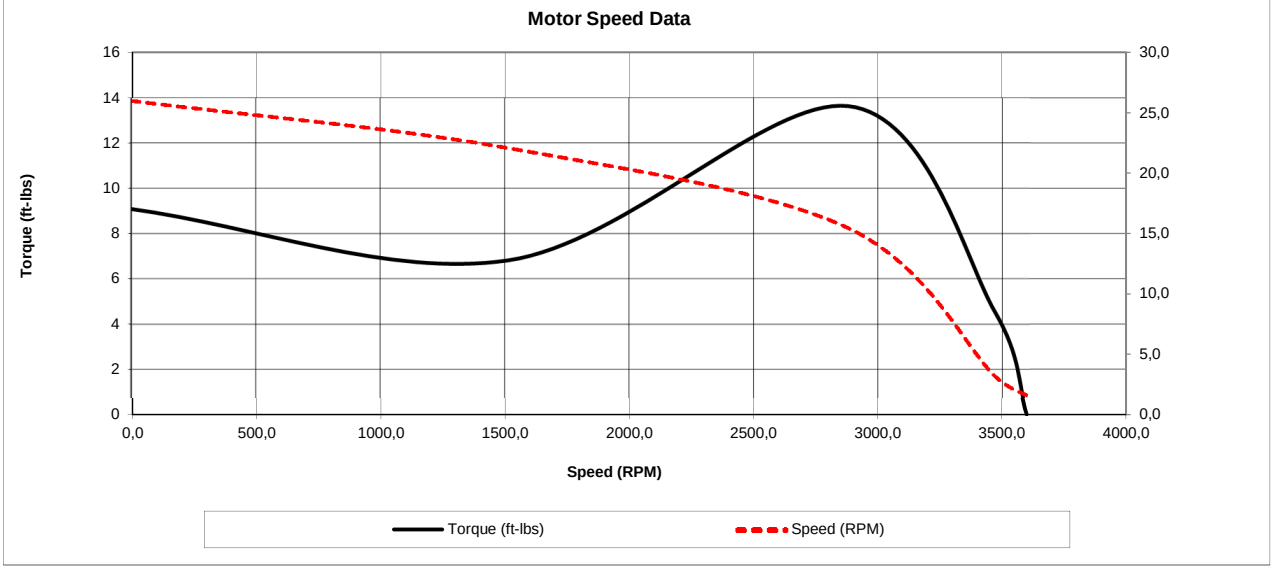
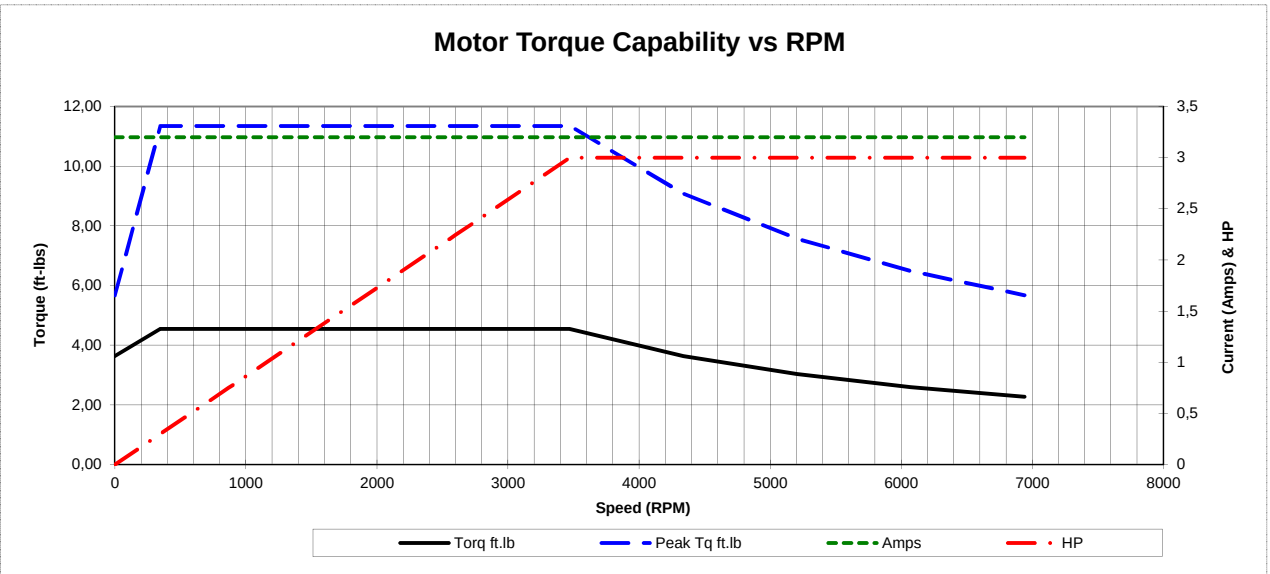
NEMA PREMIUM NR CAN NEMA 12 - 12										
HP	**VAC**	**RPM**	**Enclosure**	**Frame**	**Frequency**	**Design**	**Poles**	**LR Code Letter**	**Insulation Class**	**Temp. Rise °C**
3	**575**	**3470**	**TEFC**	**145JM**	**60**	**B**	**2**	**K**	**F**	**32**

	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
RPM	0	347	867,5	1735	2602,5	3470	4337,5	5205	6072,5	6940
Torq ft.lb	3,63	4,54	4,54	4,54	4,54	4,54	3,63	3,03	2,59	2,27
Peak Tq ft.lb	5,68	11,35	11,35	11,35	11,35	11,35	9,08	7,57	6,49	5,68
HP	0	0,3	0,8	1,5	2,3	3,0	3,0	3,0	3,0	3,0

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	1512	2880	3470	3600	Continuous	1,25	40°C	3300 ft	78
Current (Amps)	26,0	22,1	15,5	3,2	1,6	**VFD Rating: Meets MG1 parts 31.4.4.2**				
Torque (ft-lbs)	9,1	6,8	13,6	4,5	0,0	C.T.	10:1	V.T.	20:1	





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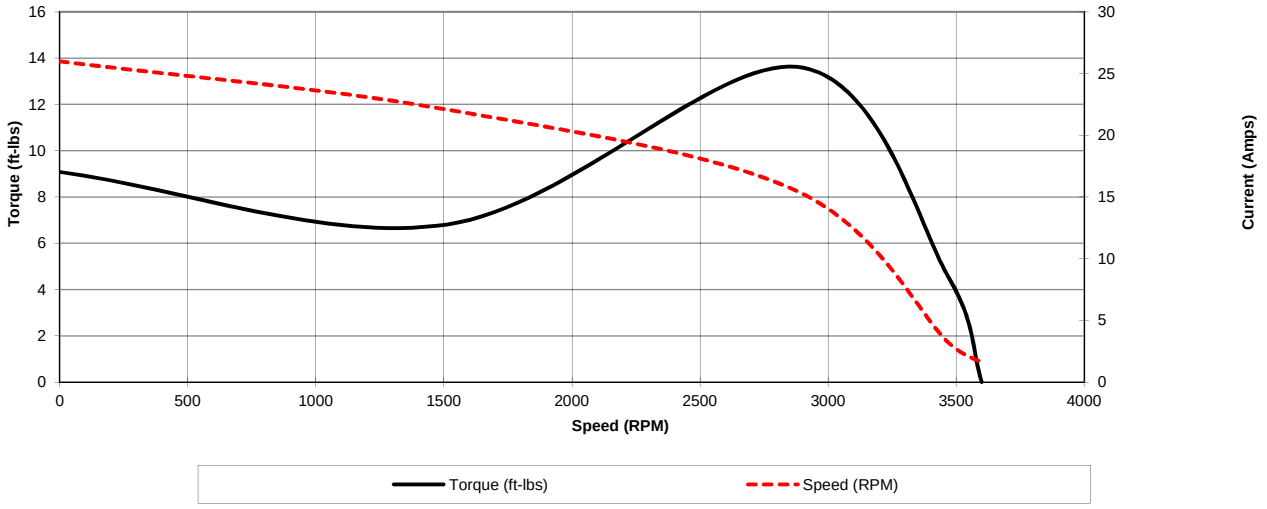
3	**575**	**3470**	**TEFC**	**145JM**	**60**	**B**	**2**	**K**	**F**	**32**

Load %	**0%**	**25%**	**50%**	**75%**	**100%**	**125%**	**150%**
Amps	1,60	1,82	2,10	2,65	3,20	4,36	5,41
Torq ft/lbs	0	1,08	2,18	3,27	4,35	5,46	6,64
RPM	0	3567,5	3535	3502,5	3470	3437,5	3405
Eff	0	76,41	84,00	87,10	86,50	86,50	86,50
PF	0	40,4	61	74	81	74,4	72

	Locked Rotor	**Pull-Up**	**Breakdown**	**Rated Load**	**Idle**	**Duty**	**S. F.**	**Ambient**	**Elevation**	**dBA @ 1M**
Speed (RPM)	0	1512	2880	3470	3600	Continuous	1,25	40°C	3300 ft	78
Current (Amps)	26	22,1	15,5	3,2	1,6	**VFD Rating: Meets MG1 parts 31.4.4.2**				
Torque (ft-lbs)	9,08	6,81	13,62	4,54	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Load Data