



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

Catalogue #: MPSP-2002TL

HP	kW	Voltage	S.F. @ 60Hz	Efficiency	Power Factor	Frame	Design	L.R. Amps
20	14,92	575	1,15	91,0%	0,895	256TC	B	116

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	/	/	/	/	18,4	/	G	3530

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

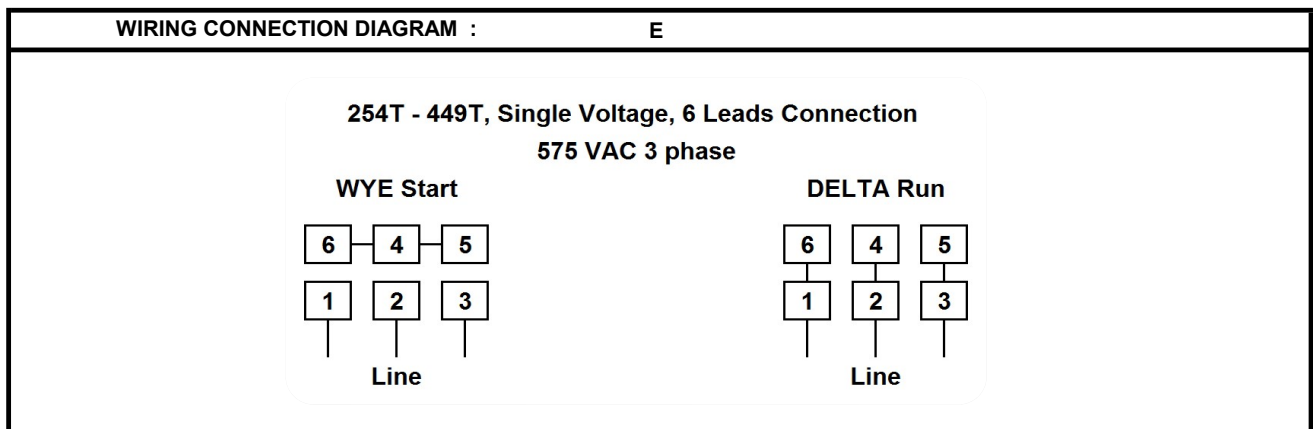
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
422	3	Cont.	F	40°C	1000M (3300 Ft)	50

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	91,0%	Full Load:	0,89	Full Load Ft/Lbs	29,8		
3/4 Load:	93,2%	3/4 Load:	0,85	Locked Rotor %	170		
1/2 Load:	92,9%	1/2 Load:	0,78	Break Down %	240	0,65	12

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
2,37	142	304SS	Stainless Steel			TEFC	IP69K	12AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6309	6309	Sealed Bearings	Foot	Horizontal	-	80	89

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

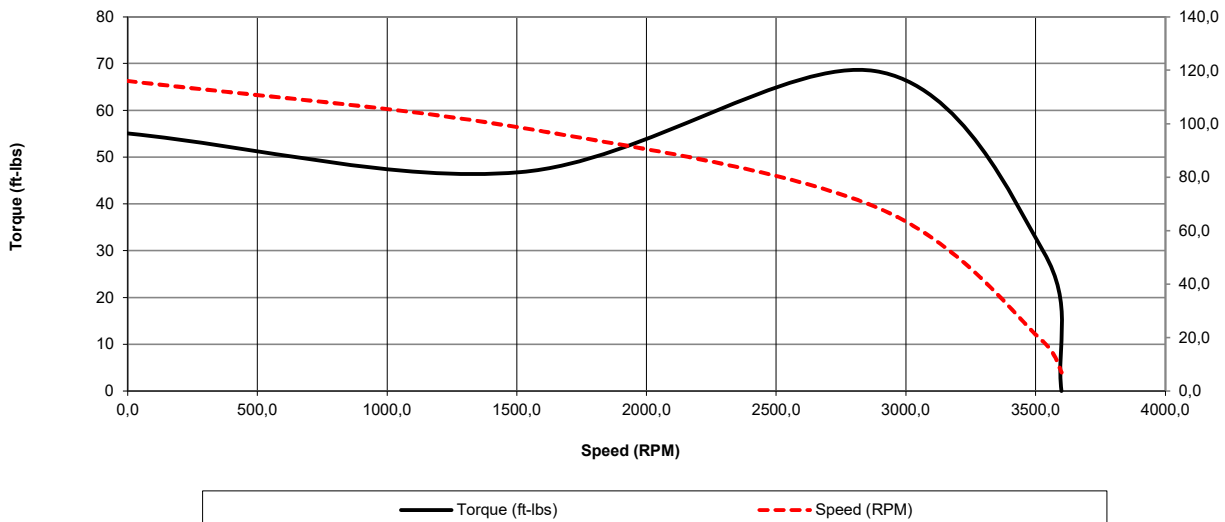


Date: 2024-01-29  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: J.C. Lavallée

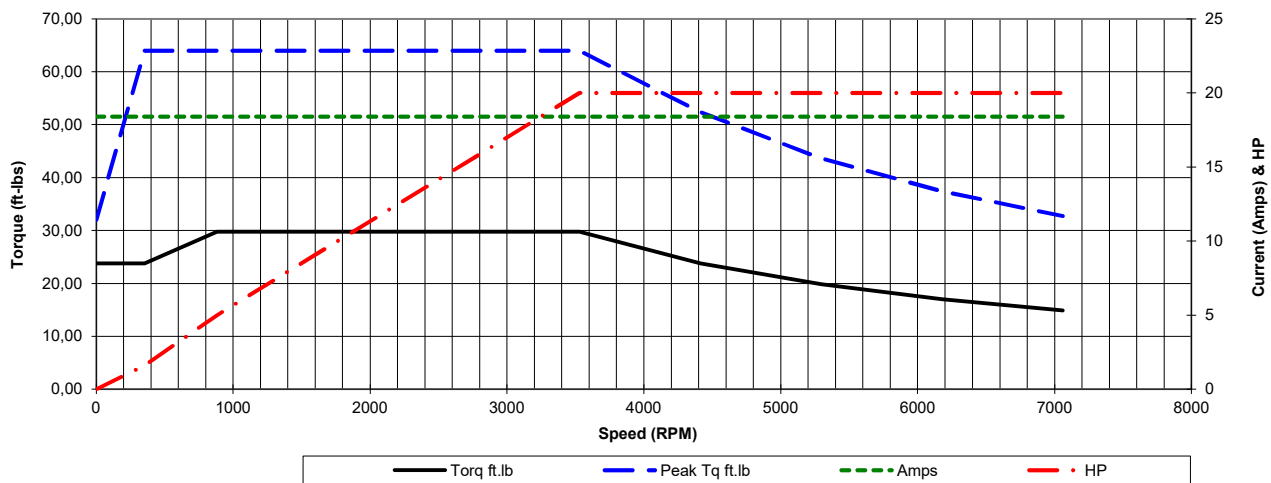
Catalogue #: **MPSP-2002TL**

NEMA PREMIUM NR CAN NEMA 12 - 12										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
20	575	3530	TEFC	256TC	60	B	2	G	F	50
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	18,4	18,4	18,4	18,4	18,4	18,4	18,4	18,4	18,4	18,4
RPM	0	353	882,5	1765	2647,5	3530	4412,5	5295	6177,5	7060
Torq ft.lb	23,81	23,81	29,76	29,76	29,76	29,76	23,81	19,84	17,00	14,88
Peak Tq ft.lb	31,99	63,98	63,98	63,98	63,98	63,98	52,37	43,64	37,41	32,73
HP	0	1,6	5,0	10,0	15,0	20,0	20,0	20,0	20,0	20,0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	1512	2880	3530	3600	Continuous	1,15	40°C	3,300 ft	80
Current (Amps)	116,0	98,6	69,0	18,4	7,0	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	55,0	46,8	68,4	29,8	0,0	CT	10:1	VT	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
20	575	3530	TEFC	256TC	60	B	2	G	F	50
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	6,99	7,86	10,89	14,37	18,40	22,55	26,93			
Torq ft/lbs	0	7,33	14,73	22,21	29,76	37,38	45,08			
RPM	0	3582,5	3565	3547,5	3530	3512,5	3495			
Eff	0	78,04	92,90	93,20	91,00	91,00	91,00			
PF	0	47,4	77,6	85	89,5	91,3	91,7			
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1512	2880	3530	3600	Continuous	1,15	40°C	3,300 ft	80
Current (Amps)	116	98,6	69,0	18,4	6,992	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	55,05	46,79	68,44	29,76	0,0	CT	10:1	VT	20:1	

