



PERFORMANCE DATA SHEET

Meets or exceeds MEPS (Minimum Efficiency Performance Standards), as described by the US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14

Catalogue #: MTR-122FDJH

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
0,5	0,37	115 / 208 - 230	60Hz	71,3%	0,910	56J	B	3520

FLA			Service Factor	N.L. Amps @ 115V	N.L. Amps @ 230V	KVA Code	L.R. Amps @ 15v	L.R. Amps @ 230v
115	208	230						
5,03	2,78	2,52	1,15	2,53	1,264	L	42	21

Start Cap.	Run Cap.	Main Winding Ω 115V @ 25°C	Main Winding Ω 230V @ 25°C	Auxillary Winding Ω @ 25°C	Safe Cold Start (Secs)
100 μ f/300vac	30 μ f/450vac	0,7600	3,050	3,280	12

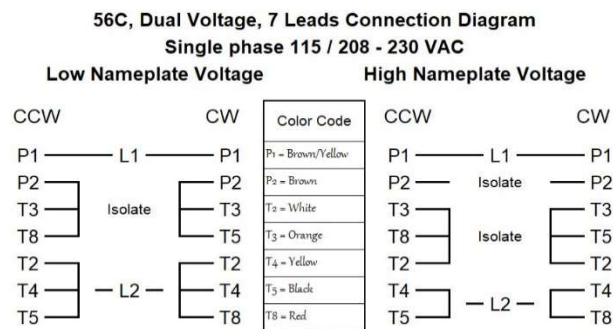
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
25	1	Cont.	F	40°C	1000M (3,300 Ft)	32

% Efficiency		Power Factor		Torque		Protection
Full Load:	71,3%	Full Load:	0,91	Full Load Ft/Lbs	0,7	
3/4 Load:	66,4%	3/4 Load:	0,88	Locked Rotor %	393	
1/2 Load:	49,1%	1/2 Load:	0,86	Break Down %	343	

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
/	/	304SS	Rolled Steel	Aluminium Alloy		TEFC	IP55	/

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6205	6203	Sealed Bearings	Rigid	Horizontal	Black	68	/

WIRING CONNECTION DIAGRAM : B





Date: 2023-12-22
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
0,5	230	3520	TEFC	56J	60	B	2	L	F	32

	0%	25%	50%	75%	100%	125%	150%
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	1,79	1,92	2,04	2,22	2,52	3,15	3,78
Torq ft/lbs	0	0,18	0,37	0,56	0,75	0,94	1,13
RPM	0	3580	3560	3540	3520	3500	3480
Eff	0	26,46	45,99	62,14	71,30	69,33	67,35
PF	0,00	80,00	86,27	88,27	91,00	92,82	95,55

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0	1800	2880	3520	3600	Continuous	1,15	40°C	3,300 ft	68
Current (Amps)	21	17,9	12,5	2,52	1,7892	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	2,93	2,49	2,56	0,75	0,0	C.T.	3,05	V.T.	3,28	

