



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-342FDJH

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
0,75	0,56	115 / 208 - 230	60Hz	77,5%	0,949	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		1,15	2,62		1,31	L
6,82	3,77	3,44						

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)
150 μ f/300vac	30 μ f/450vac	0,5300	2,130	2,170	12

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
26	1	Cont.	F	40°C	1000M (3,300 Ft)	38

% Efficiency		Power Factor		Torque		Protection
Full Load:	77,5%	Full Load:	0,95	Full Load Ft/Lbs	1,1	
3/4 Load:	62,3%	3/4 Load:	0,92	Locked Rotor %	353	
1/2 Load:	53,8%	1/2 Load:	0,90	Break Down %	358	

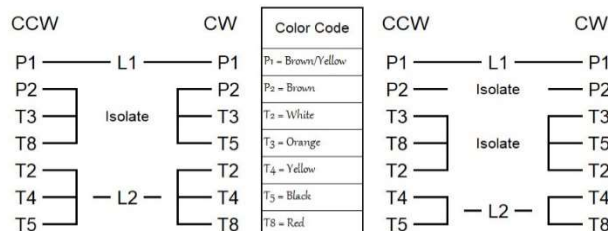
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
/	/	304SS	Rolled Steel	Aluminium Alloy		TEFC	IP55	/

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6205	6203	Sealed Bearings	Rigid	Horizontal	Black	69	/

WIRING CONNECTION DIAGRAM : B

56C, Dual Voltage, 7 Leads Connection Diagram
Single phase 115 / 208 - 230 VAC

Low Nameplate Voltage High Nameplate Voltage



* Reverse rotation by inverting T5 & T8 connection leads.



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
0,75	230	3520	TEFC	56J	60	B	2	L	F	38

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,51	2,61	2,79	3,03	3,44	4,30	5,16
Torq ft/lbs	0	0,28	0,55	0,83	1,12	1,41	1,70
RPM	0	3580	3560	3540	3520	3500	3480
Eff	0	26,43	48,46	65,47	77,50	76,04	78,44
PF	0,00	88,00	89,97	92,05	94,90	93,00	90,16

	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	69
Current (Amps)	27	23,0	16,1	3,44	0,513	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	3,95	3,36	4,01	1,12	0,0	C.T.	2,13	V.T.	2,17	

