



**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-102FDCH**

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
1	0,75	115 / 208 - 230	60Hz	77,9%	0,996	56C	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						
8,61	4,76	4,31	1,15	1,90	0,95	J	64	32

Start Cap.	Run Cap.	Main Winding $\Omega$ 115V @ 25°C	Main Winding $\Omega$ 230V @ 25°C	Auxillary Winding $\Omega$ @ 25°C	Safe Cold Start (Secs)
200 $\mu$ f/300vac	50 $\mu$ f/450vac	0,4700	1,890	1,860	12

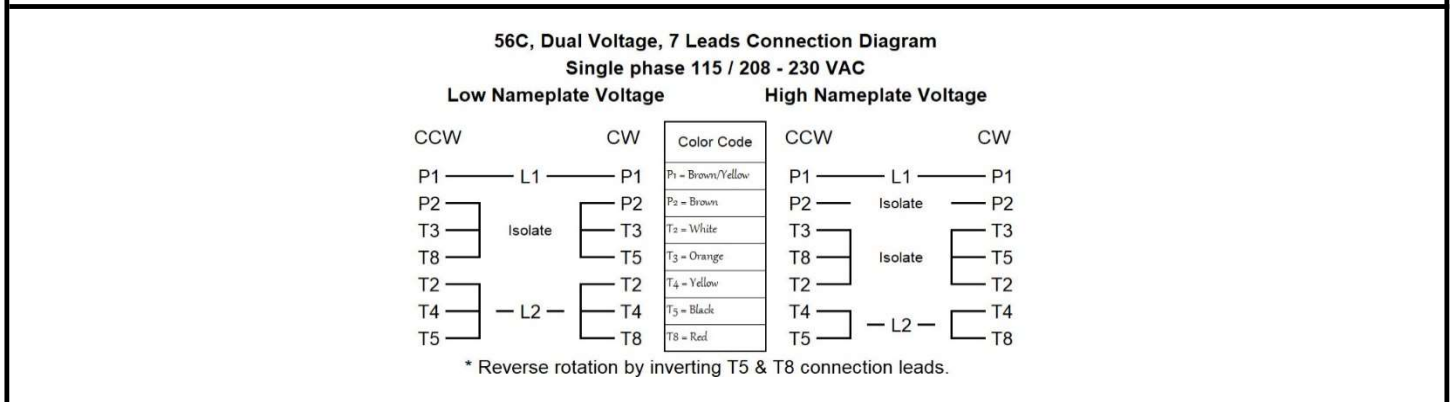
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
30	1	Cont.	F	40°C	1000M (3,300 Ft)	56

% Efficiency		Power Factor		Torque		Protection
Full Load:	77,9%	Full Load:	1,00	Full Load Ft/Lbs	1,5	
3/4 Load:	66,4%	3/4 Load:	0,97	Locked Rotor %	304	
1/2 Load:	49,1%	1/2 Load:	0,94	Break Down %	314	

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
/	/	Steel	Rolled Steel	Aluminium Alloy		TEFC	IP55	/

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6205	6203						

**WIRING CONNECTION DIAGRAM : A**





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
1	230	3520	TEFC	56C	60	B	2	J	F	56

	0%	25%	50%	75%	100%	125%	150%
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	3,06	3,28	3,50	3,79	4,31	5,39	6,47
Torq ft/lbs	0	0,37	0,74	1,11	1,49	1,88	2,26
RPM	0	3580	3560	3540	3520	3500	3480
Eff	0	27,51	49,14	66,39	77,90	77,10	79,53
PF	0,00	90,00	94,42	96,61	99,60	97,61	94,62

	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	70
Current (Amps)	32	27,2	19,0	4,31	3,0601	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	4,54	3,86	4,69	1,49	0,0	C.T.	1,89	V.T.	1,86	

