



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-344FDCH

HP	kW	Voltage	Frequency	Efficiency	Power Factor	Frame	Design	F.L. RPM
0,75	0,56	115 / 208 - 230	60Hz	77,0%	0,885	56C	B	1760

FLA			Service Factor	N.L. Amps @ 115V	N.L. Amps @ 230V	KVA Code	L.R. Amps @ 15v	L.R. Amps @ 230v
115	208	230						
7,33	4,05	3,66	1,15	3,63	1,8125	L	54	27

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)
200 μ f/300vac	40 μ f/450vac	0,6500	2,580	3,090	12

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
31	1	Cont.	F	40°C	1000M (3,300 Ft)	61

% Efficiency		Power Factor		Torque		Protection
Full Load:	77,0%	Full Load:	0,89	Full Load Ft/Lbs	2,2	
3/4 Load:	56,2%	3/4 Load:	0,86	Locked Rotor %	315	
1/2 Load:	45,9%	1/2 Load:	0,84	Break Down %	320	

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	Sealed Bearings	Rigid	Horizontal	Black	68	/

WIRING CONNECTION DIAGRAM :

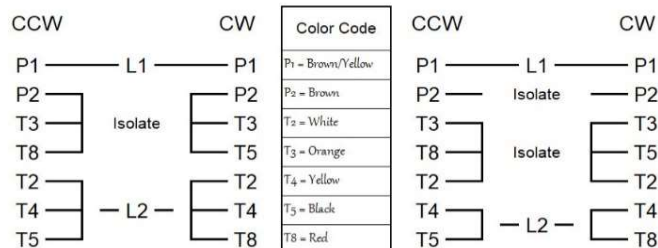
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56C, Dual Voltage, 7 Leads Connection Diagram

Single phase 115 / 208 - 230 VAC

Low Nameplate Voltage

High Nameplate Voltage



* Reverse rotation by inverting T5 & T8 connection leads.

Date: 2024-09-18
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

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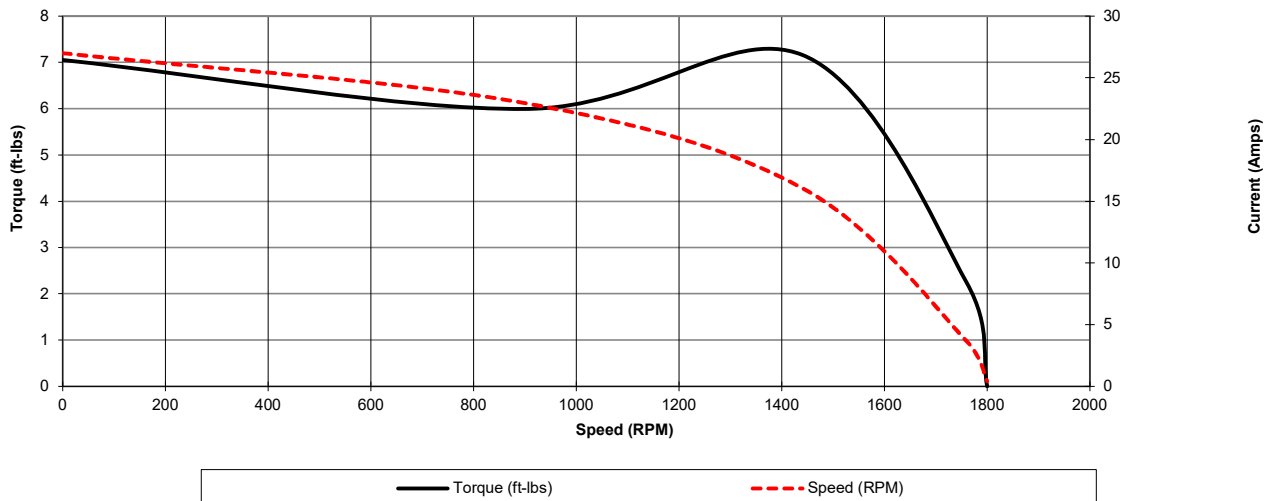
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
0,75	230	1760	TEFC	56C	60	B	4	L	F	61

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,43	2,78	2,97	3,22	3,66	4,58	5,49
Torq ft/lbs	0	0,55	1,11	1,67	2,24	2,81	3,40
RPM	0	1790	1780	1770	1760	1750	1740
Eff	0	27,33	48,84	65,99	77,00	73,63	71,53
PF	0,00	80,00	83,90	85,85	88,50	90,27	92,93

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	900	1440	1760	1800	Continuous	1,15	40°C	3,300 ft	68
Current (Amps)	27	23,0	16,1	3,66	0,426	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	7,05	5,99	7,16	2,24	0,0	C.T.		V.T.		

Motor Speed Data



Motor Load Data

