



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-754FDH

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
7,5	5,60	208 - 230	60Hz	88,0%	0,970	215T	B	1770

FLA			Service Factor	N.L. Amps @ 115V	N.L. Amps @ 230V	KVA Code	L.R. Amps @ 15v	L.R. Amps @ 230v
115	208	230		/	/		5,7	H
/	33	28,10	1,15	/	5,7	H	/	190

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)
600 μ f/300vac	70 μ f/450vac	/	0,320	0,780	12

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
154	1	Cont.	F	40°C	1000M (3,300 Ft)	74

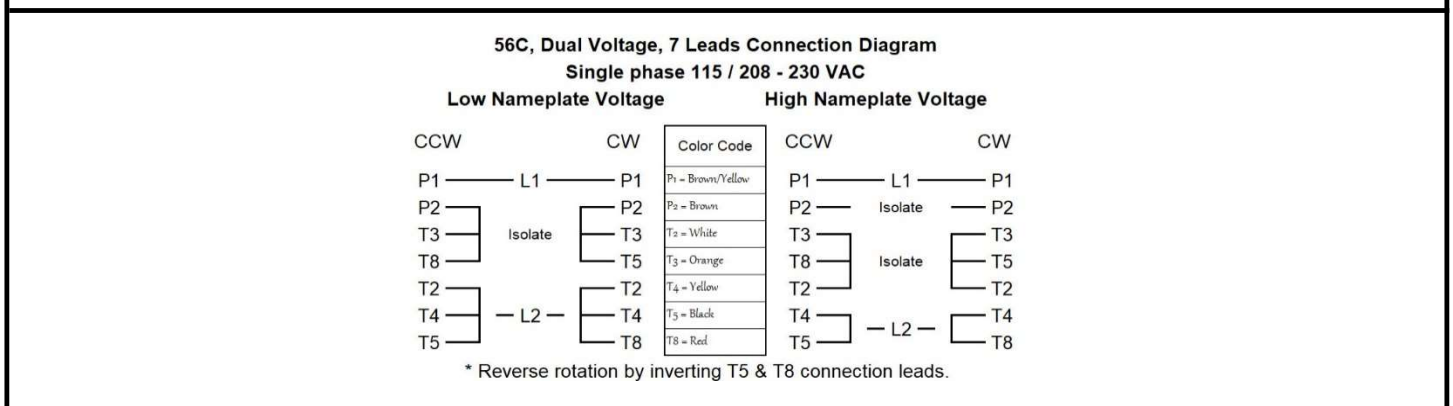
% Efficiency		Power Factor		Torque		Protection
Full Load:	88,0%	Full Load:	0,97	Full Load Ft/Lbs	22,3	
3/4 Load:	64,4%	3/4 Load:	0,94	Locked Rotor %	140	
1/2 Load:	57,8%	1/2 Load:	0,92	Break Down %	160	

Manual Thermal Protector

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						
6206	6205	Sealed Bearings	Rigid	Horizontal	Grey	72	/

WIRING CONNECTION DIAGRAM : D





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
7,5	230	1770	TEFC	215T	60	B	4	H	F	74

	0%	25%	50%	75%	100%	125%	150%
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,38	21,36	22,79	24,73	28,10	35,13	42,15
Torq ft/lbs	0	5,49	11,03	16,62	22,25	27,94	33,67
RPM	0	1792,5	1785	1777,5	1770	1762,5	1755
Eff	0	31,64	58,04	78,42	88,00	91,07	93,94
PF	0,00	90,00	91,96	94,09	97,00	95,06	92,15

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0	900	1440	1770	1800	Continuous	1,15	40°C	3,300 ft	72
Current (Amps)	190	161,5	113,1	28,1	0,375	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	31,16	26,48	35,61	22,25	0,0	C.T.	0,32	V.T.	0,78	

