



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-304FDCH

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
3	2,24	208 - 230	60Hz	87,4%	0,978	184TC	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		1,15	/		2..66	H
/	13,2	11,30						

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)
300 μ f/300vac	60 μ f/450vac	/	0,810	1,280	12

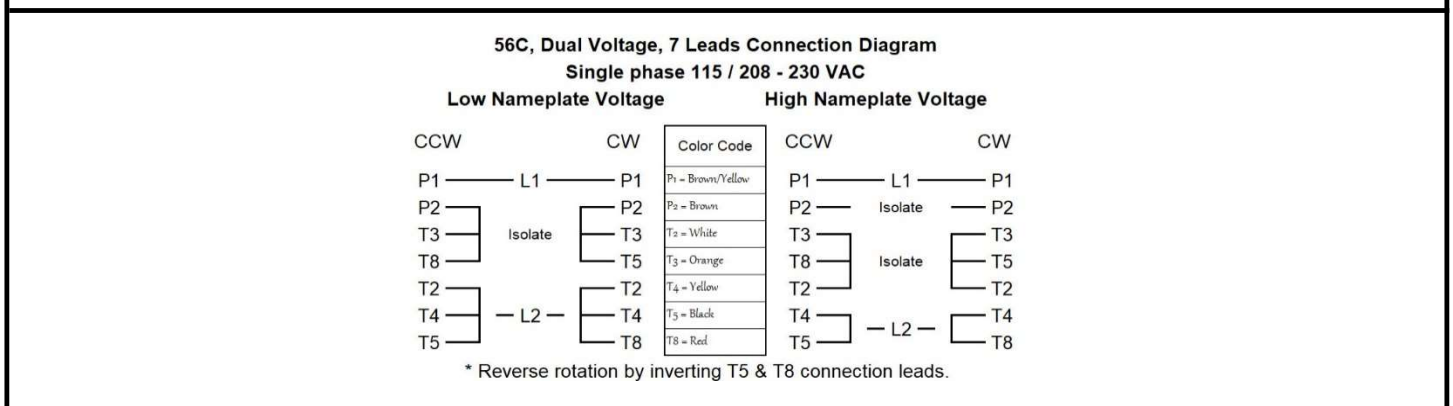
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
96	1	Cont.	F	40°C	1000M (3,300 Ft)	76

% Efficiency		Power Factor		Torque		Protection
Full Load:	87,4%	Full Load:	0,98	Full Load Ft/Lbs	8,9	
3/4 Load:	75,0%	3/4 Load:	0,95	Locked Rotor %	175	
1/2 Load:	55,5%	1/2 Load:	0,93	Break Down %	230	

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						

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
3	230	1770	TEFC	184TC	60	B	4	H	F	76

	0%	25%	50%	75%	100%	125%	150%
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	8,02	8,59	9,16	9,94	11,30	14,13	16,95
Torq ft/lbs	0	2,20	4,41	6,65	8,90	11,17	13,47
RPM	0	1792,5	1785	1777,5	1770	1762,5	1755
Eff	0	31,47	57,26	77,36	87,40	89,84	92,68
PF	0,00	90,00	92,71	94,87	97,80	95,84	92,91

	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	70
Current (Amps)	75	63,8	44,6	11,3	8,023	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	15,58	13,24	20,47	8,90	0,0	C.T.	0,81	V.T.	1,28	

