



## 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-1004FDCH

HP	kW	Voltage	Frequency	EFF.	P.F.	Frame	Design	F.L. RPM
10	7,46	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						
/	45,1	38,20	1	/	10,1	G	/	230

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)
800 $\mu$ f/300vac	90 $\mu$ f/450vac	/	0,230	0,490	12

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
172	1	Cont.	F	40°C	1000M (3,300 Ft)	78

% Efficiency		Power Factor		Torque		Protection
Full Load:	88,0%	Full Load:	0,97	Full Load Ft/Lbs	29,7	
3/4 Load:	76,9%	3/4 Load:	0,94	Locked Rotor %	135	
1/2 Load:	56,9%	1/2 Load:	0,92	Break Down %	136	None

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	Black	75	/

**WIRING CONNECTION DIAGRAM : E**

213/5T, Single Voltage, 4 Leads Connection Diagram  
Single phase 208 - 230 VAC

Low Nameplate Voltage      High Nameplate Voltage

Color Code	CCW	CW
T <sub>1</sub> = Blue	T <sub>1</sub> —	T <sub>1</sub>
T <sub>4</sub> = Yellow	T <sub>8</sub> —	T <sub>5</sub>
T <sub>5</sub> = Black	T <sub>4</sub> —	T <sub>4</sub>
T <sub>8</sub> = Red	T <sub>5</sub> —	T <sub>8</sub>

\* Reverse rotation by inverting T<sub>5</sub> & T<sub>8</sub> connection leads.



Date: 2020-04-09  
 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
10	230	1770	TEFC	215T	60	B	4	G	F	78

	0%	25%	50%	75%	100%	125%	150%
Load %	0%	25%	50%	75%	100%	125%	150%
Amps	27,12	29,03	30,98	33,62	38,20	47,75	57,30
Torq ft/lbs	0	7,32	14,71	22,16	29,67	37,25	44,89
RPM	0	1792,5	1785	1777,5	1770	1762,5	1755
Eff	0	31,03	56,93	76,91	88,00	89,32	92,14
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	40°C	3,300 ft	75
Current (Amps)	230	195,5	136,9	38,2	27,122	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	40,06	34,05	40,35	29,67	0,0	C.T.	0,23	V.T.	0,49	

