



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-504FDCH

HP	kW	Voltage	Frequency	Efficiency	Power Factor	Frame	Design	F.L. RPM
5	3,73	208 - 230	60Hz	85,9%	0,985	184T	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						
/	23	19,30	1,15	/	3,5	G	/	115

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

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
109	1	Cont.	F	40°C	1000M (3,300 Ft)	67

% Efficiency		Power Factor		Torque		Protection
Full Load:	85,9%	Full Load:	0,99	Full Load Ft/Lbs	14,9	
3/4 Load:	68,6%	3/4 Load:	0,96	Locked Rotor %	150	
1/2 Load:	60,1%	1/2 Load:	0,93	Break Down %	230	

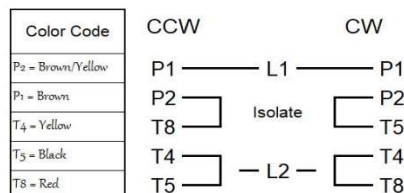
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
/	/	Steel	Rolled Steel	Aluminium Alloy		TEFC	IP55	/

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure 3FT @	Sound Power
DE	ODE						
6206	6205	Sealed Bearings	Rigid	Horizontal	Black	75	/

WIRING CONNECTION DIAGRAM :

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182/4T, Single Voltage, 5 Leads Connection Diagram
Single phase 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

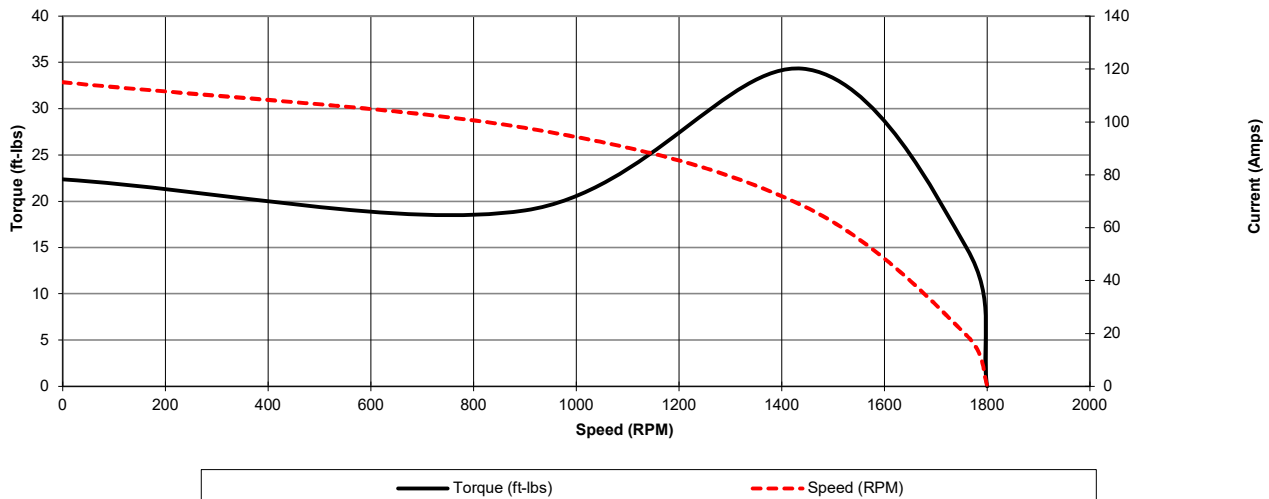
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
5	230	1760	TEFC	184T	60	B	4	G	F	67
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	0,50	14,67	15,65	16,98	19,30	24,13	28,95			
Torq ft/lbs	0	3,67	7,38	11,13	14,92	18,76	22,64			
RPM	0	1790	1780	1770	1760	1750	1740			
Eff	0	30,71	55,48	74,95	85,90	87,05	89,80			
PF	0,00	90,00	93,38	95,55	98,50	96,53	93,58			
Speed (RPM)	0	900	1440	1760	1800	Continuous	1,15	40°C	3,300 ft	75
Current (Amps)	115	97,8	68,4	19,3	0,495	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	22,38	19,02	34,32	14,92	0,0	C.T.		V.T.		

Motor Speed Data



Motor Load Data

