MaxMotion

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 #: MQR-134CH

HP	kW	Voltage	S.F. @ 60Hz	Efficiency	Power Factor	Frame	Design	L.R. Amps
0,33	0,25	230 / 460	1,15	66,1%	0,580	56HC	B	6

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	1,63	/	0,82	/	/	/	L	1744

50 Hz								
HP	kW	FLA		S.F. @ 50Hz	Efficiency	Power Factor	Code	F.L. RPM
		190	380					
0,25	0,1865	1,5	0,8	1,15	65,6%	0,58	L	1450

Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
22	3	Cont.	F	40°C	1000M (3300 Ft)	39

% Efficiency		% Power Factor		Torque			
Full Load:	66,1%	Full Load:	0,58	Full Load Ft/Lbs	1,0	Winding Resist. Ω	Safe Cold Start (Secs)
3/4 Load:	62,7%	3/4 Load:	0,48	Locked Rotor %	210		
1/2 Load:	54,3%	1/2 Load:	0,38	Break Down %	312	19,18 / 76,7	12

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	16AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6205	6203	Sealed Bearings	Rigid	Horizontal	Black	48	/

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	10:1	20:1	2700

WIRING CONNECTION DIAGRAM : A

56 - 56C, Dual Voltage, DOL, 9 Leads WYE Connection
230 / 460 VAC

Date: 2024-05-01
Customer:
Contact:
Submittee: J.C. Lavallée

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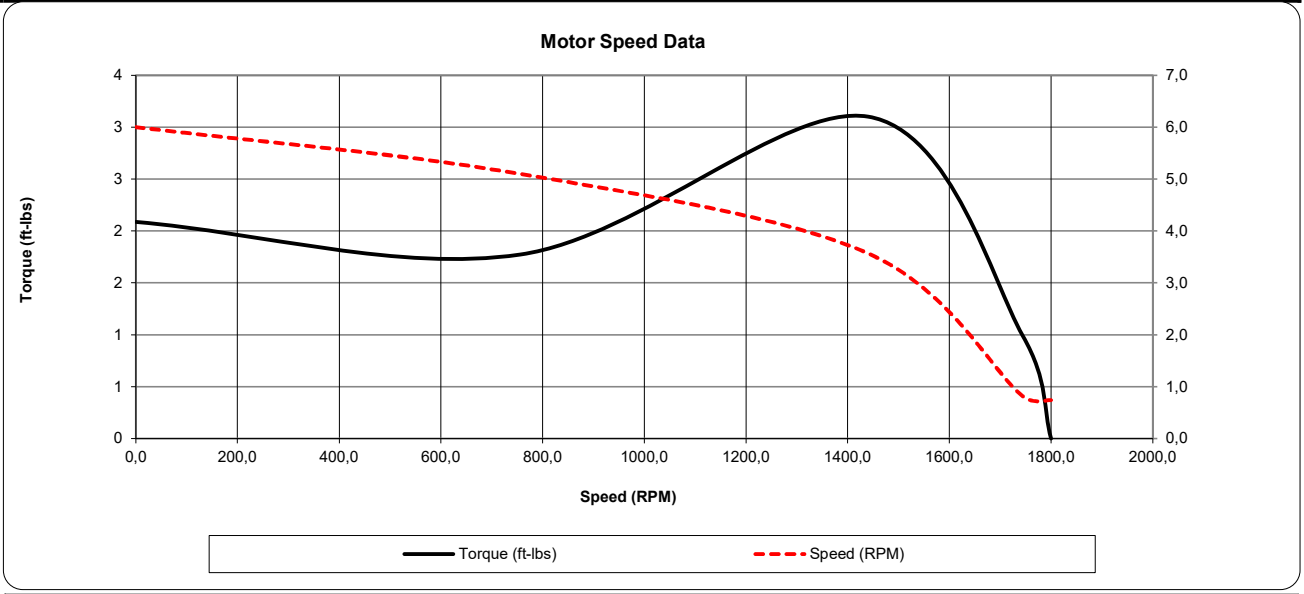
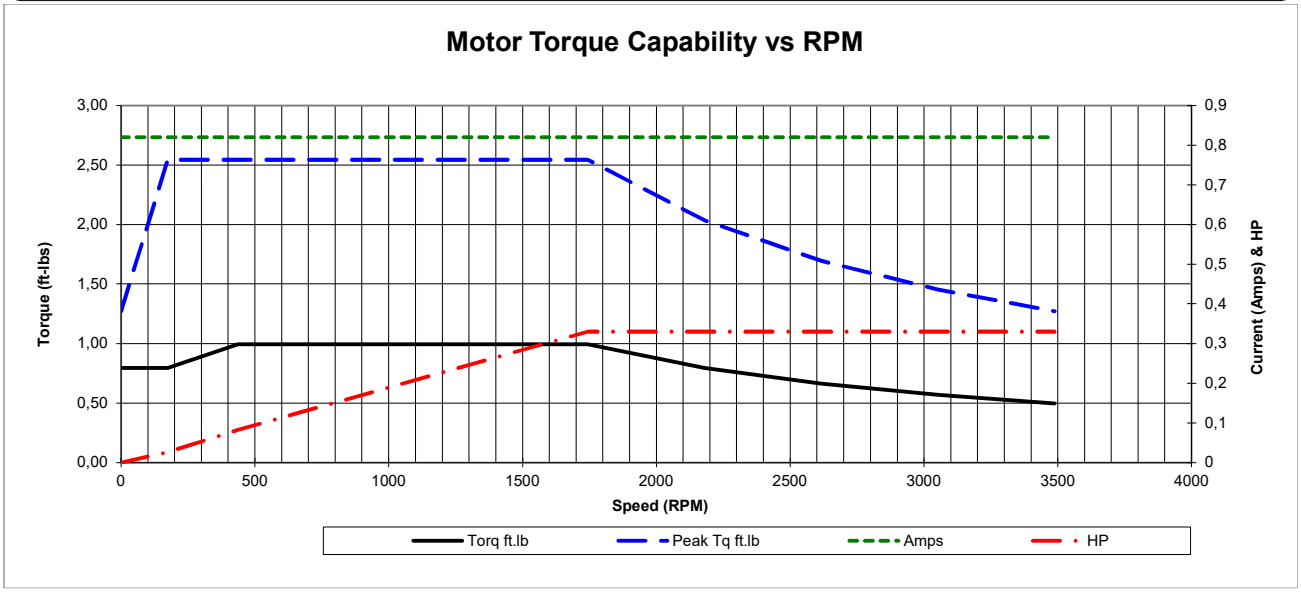
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
0,33	460	1744	TEFC	56HC	60	B	4	L	F	39

	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82
RPM	0	174,4	436	872	1308	1744	2180	2616	3052	3488
Torq ft.lb	0,80	0,80	0,99	0,99	0,99	0,99	0,80	0,66	0,57	0,50
Peak Tq ft.lb	1,27	2,54	2,54	2,54	2,54	2,54	2,04	1,70	1,45	1,27
HP	0	0,0	0,1	0,2	0,2	0,3	0,3	0,3	0,3	0,3

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	756	1440	1744	1800	Continuous	1,15	40°C	3,300 ft	48
Current (Amps)	6,0	5,1	3,6	0,8	0,7	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	2,1	1,8	3,1	1,0	0,0	C.T.	10:1	V.T.	20:1	





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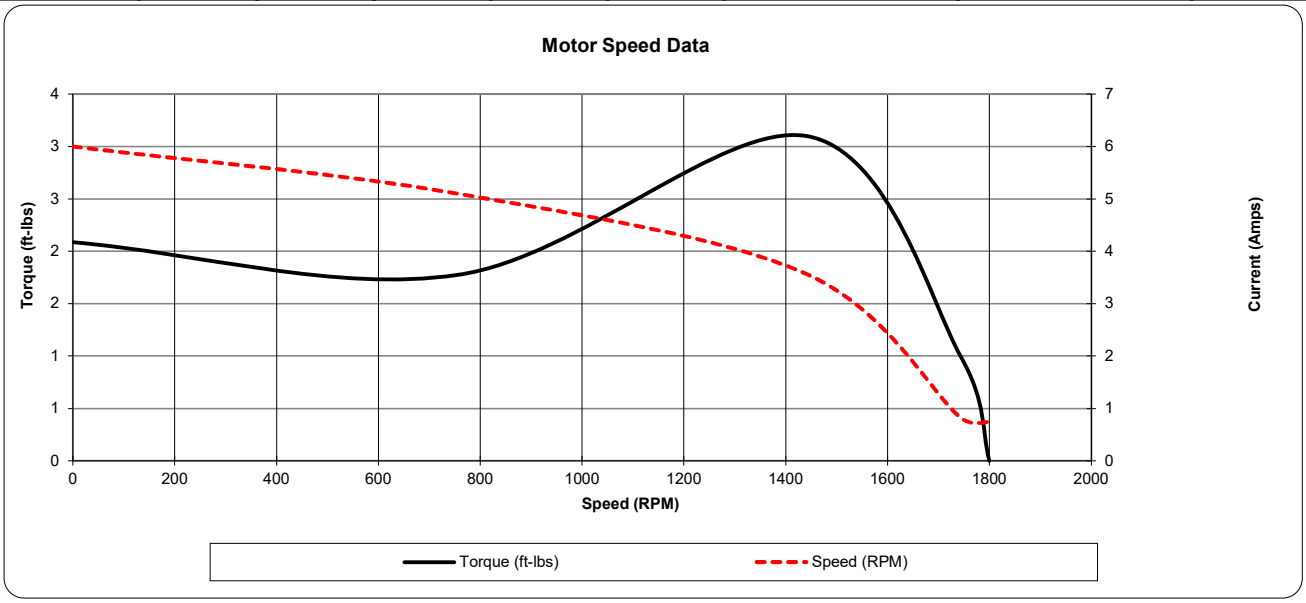
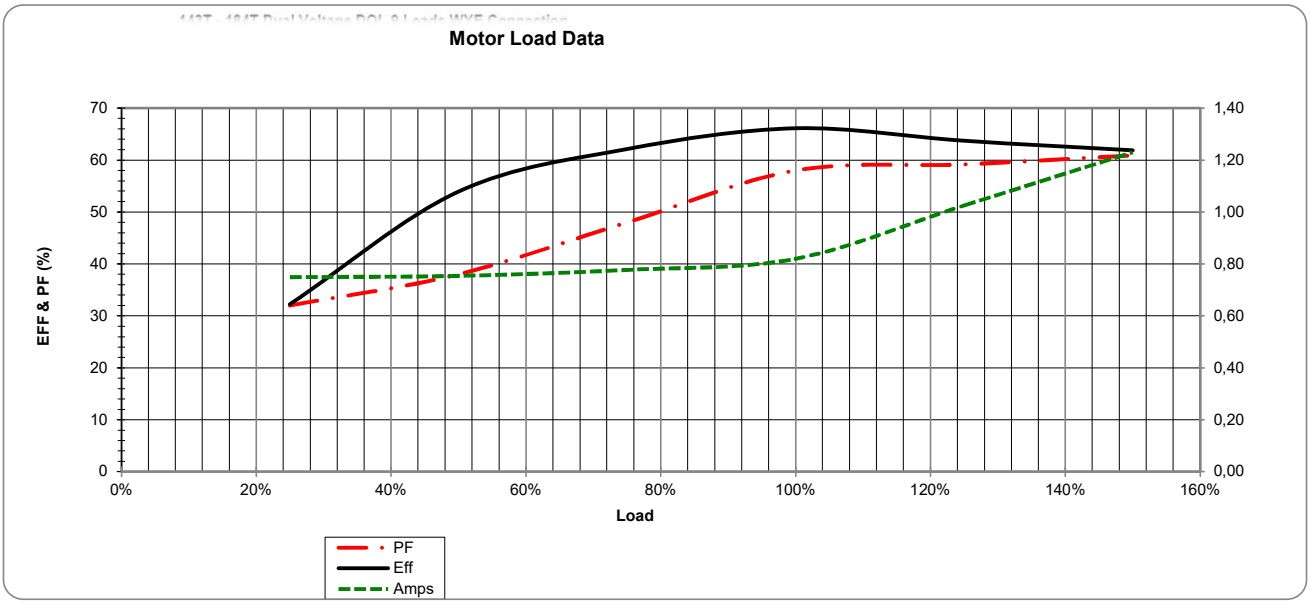
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
0,33	460	1744	TEFC	56HC	60	B	4	L	F	39

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,74	0,75	0,75	0,78	0,82	1,03	1,23
Torq ft/lbs	0	0,24	0,49	0,74	0,99	1,25	1,52
RPM	0	1786	1772	1758	1744	1730	1716
Eff	0	32,23	53,92	62,14	66,10	63,69	61,88
PF	0	32,0	38	48	58,0	59,2	60,9

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	756	1440	1744	1800	Continuous	1,15	40°C	3,300 ft	48
Current (Amps)	6	5,1	3,6	0,82	0,744	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	2,09	1,77	3,10	0,99	0,0	C.T.	10:1	V.T.	20:1