



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 #: **MQSP-204LNV**

HP	kW	Voltage	S.F. @ 60Hz	Efficiency	Power Factor	Frame	Design	L.R. Amps
2	1,49	230 / 460	1,15	86,5%	0,800	56C	B	25

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
/	5,8	/	2,7	/	/	/	K	1760

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
6,0	3	/	1,00		86,5%	0,87	L	1450

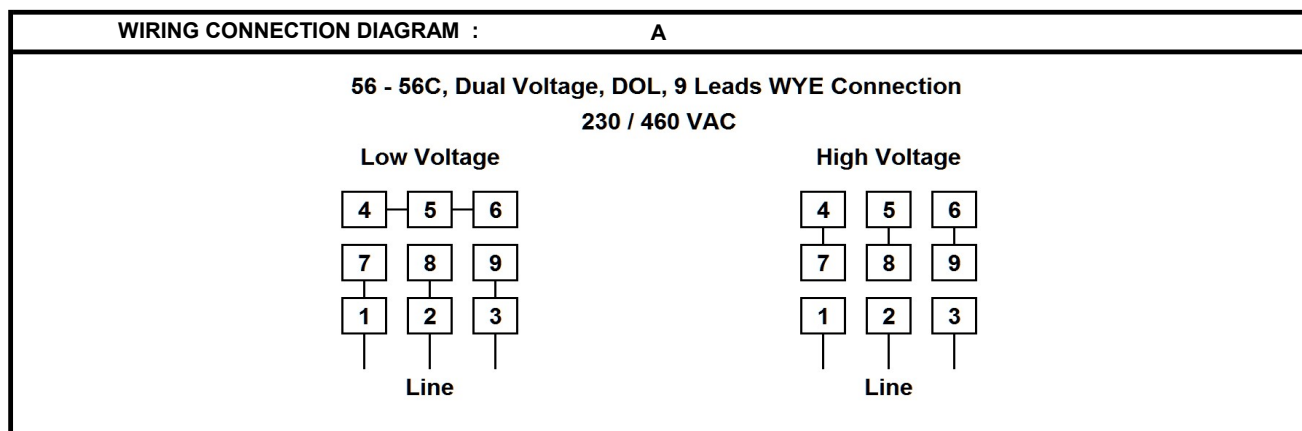
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
36	3	Cont.	F	40°C	1000M (3300 Ft)	79,8

% Efficiency		% Power Factor		Torque			
Full Load:	86,5%	Full Load:	0,80	Full Load Ft/Lbs	6,0	Winding Resist. Ω	Safe Cold Start (Secs)
3/4 Load:	82,0%	3/4 Load:	0,73	Locked Rotor %	260		
1/2 Load:	67,6%	1/2 Load:	0,64	Break Down %	330	7,1692	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
/	/	304SS	Stainless Steel			TENV	IP69K	14 AWG

Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6205	6205	Sealed Bearings	Foot	Horizontal	-	/	/

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



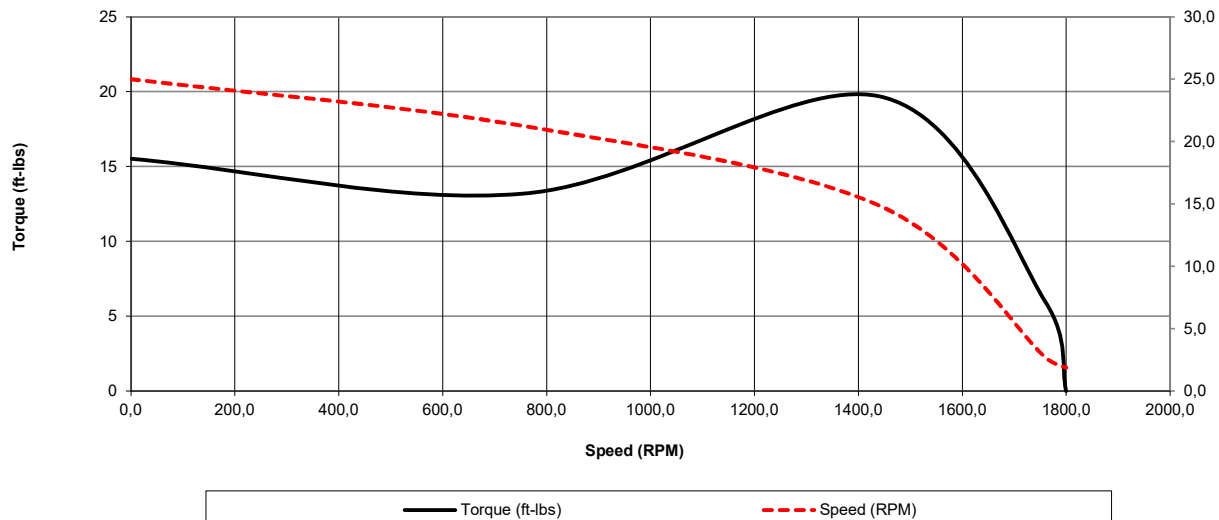
Date: 2024-01-29
 Customer:
 Contact:
 Submittee: J.C. Lavallée

Catalogue #: MQSP-204LNV

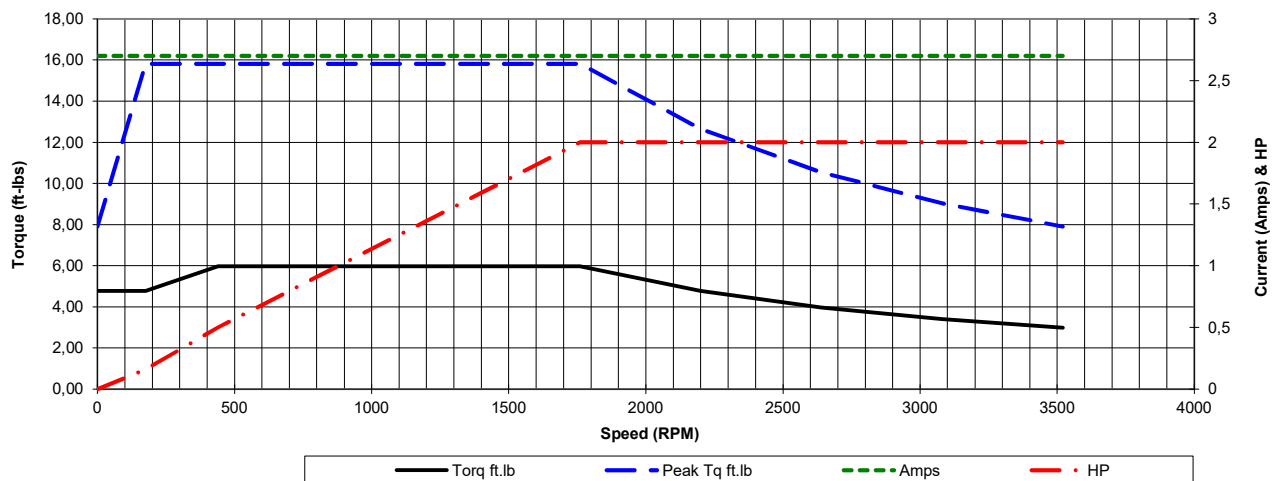
Meets or exceeds MEPS (Minimum Efficiency Performance Standards), as described by the US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14

HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
2	460	1760	TENV	56C	60	B	4	K	F	79,8
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7
RPM	0	176	440	880	1320	1760	2200	2640	3080	3520
Torq ft.lb	4,77	4,77	5,97	5,97	5,97	5,97	4,77	3,98	3,41	2,98
Peak Tq ft.lb	7,91	15,82	15,82	15,82	15,82	15,82	12,65	10,54	9,04	7,91
HP	0	0,2	0,5	1,0	1,5	2,0	2,0	2,0	2,0	2,0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0,0	756	1440	1760	1800	Continuous	1,15	40°C	3,300 ft	/
Current (Amps)	25,0	21,3	14,9	2,7	1,9	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	15,5	13,2	19,7	6,0	0,0	CT :	10:1	VT :	20:1	

Motor Speed Data



Motor Torque Capability vs RPM



Date: 2024-01-29
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

Catalogue #: **MQSP-204LNV**

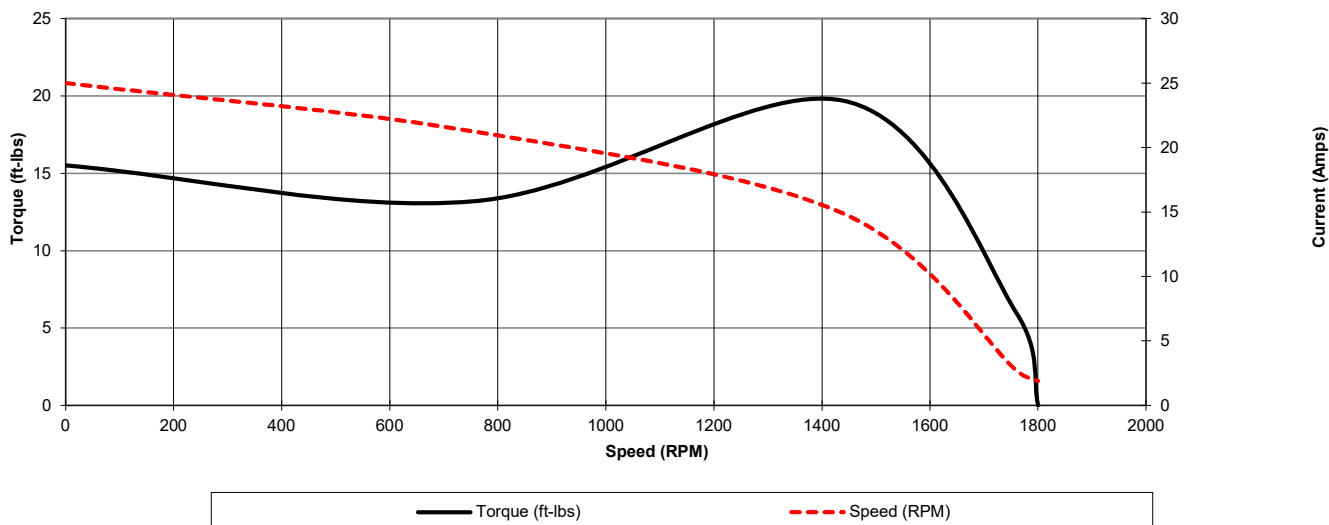
Meets or exceeds MEPS (Minimum Efficiency Performance Standards), as described by the US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14

HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
2	460	1760	TENV	56C	60	B	4	K	F	79,8

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	1,89	2,05	2,19	2,38	2,70	3,38	4,05
Torq ft/lbs	0	1,47	2,95	4,45	5,97	7,50	9,06
RPM	0	1790	1780	1770	1760	1750	1740
Eff	0	43,88	66,81	80,98	86,50	85,00	82,57
PF	0	52,0	64	73	80,0	81,6	84,0

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	756	1440	1760	1800	Continuous	1,15	40°C	3,300 ft	/
Current (Amps)	25	21,3	14,9	2,7	1,89	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	15,52	13,19	19,70	5,97	0,0	CT	10:1	VT	20:1	

Motor Speed Data



Motor Load Data

