

Date: 2019-01-29
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

Catalogue #: **MQSP-90L2FC**

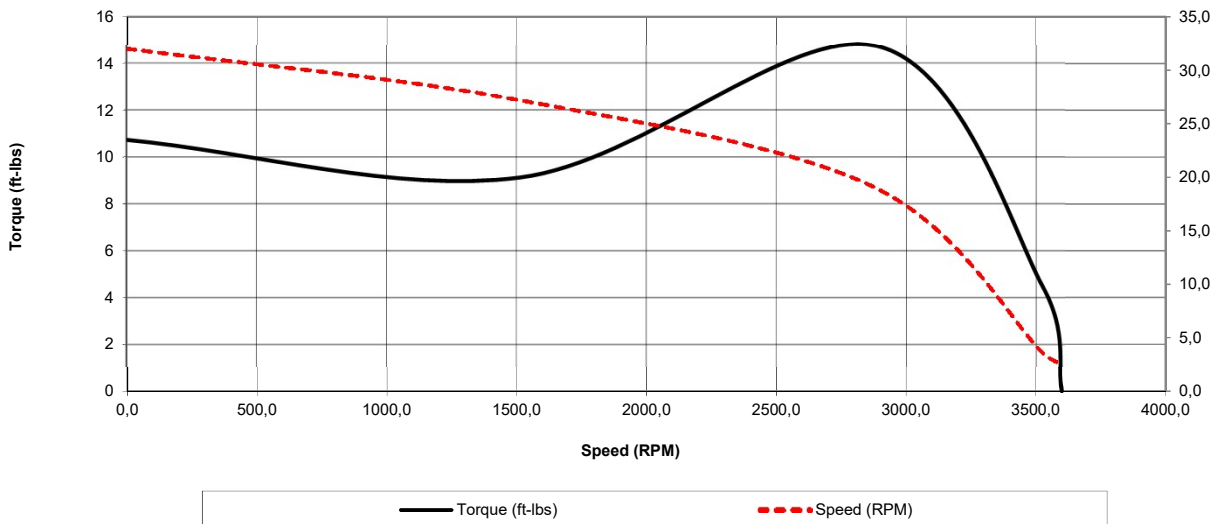
Meets or exceeds MEPS, as described by the US DOE in docket 10CFR431 and NRCan's Amendment 14

HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
3	460	3525	TEFC	90L	60	B	2	K	F	39

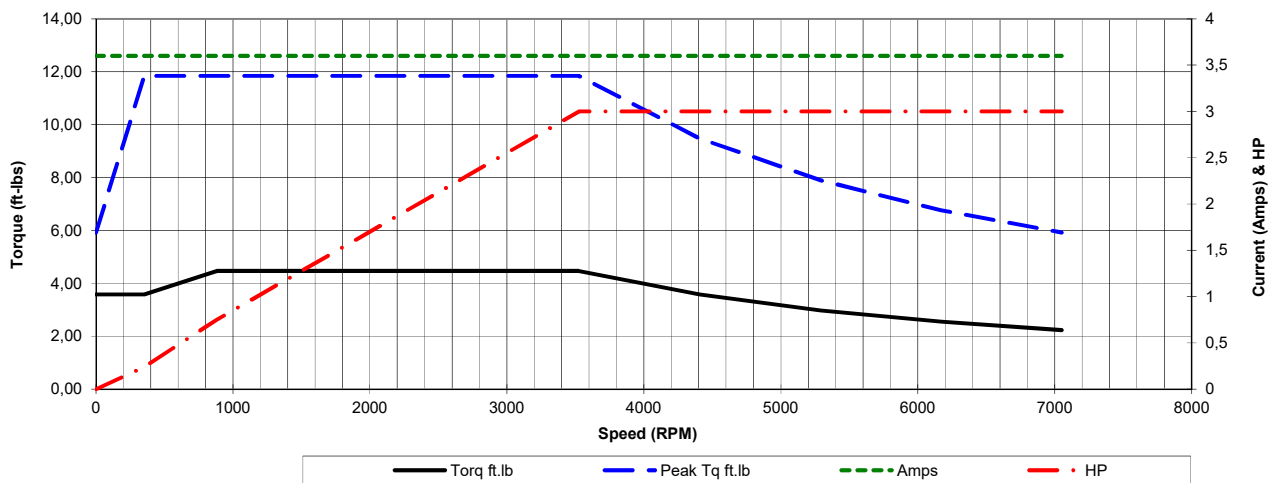
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
RPM	0	352,5	881,25	1762,5	2643,75	3525	4406,25	5287,5	6168,75	7050
Torq ft.lb	3,58	3,58	4,47	4,47	4,47	4,47	3,58	2,98	2,55	2,23
Peak Tq ft.lb	5,92	11,84	11,84	11,84	11,84	11,84	9,48	7,90	6,77	5,92
HP	0	0,2	0,8	1,5	2,3	3,0	3,0	3,0	3,0	3,0

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBa @ 1M
Speed (RPM)	0,0	1512	2880	3525	3600	Continuous	1,15	40°C	3,300 ft	/
Current (Amps)	32,0	27,2	19,0	3,6	2,6	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	10,7	9,1	14,8	4,5	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



Motor Torque Capability vs RPM



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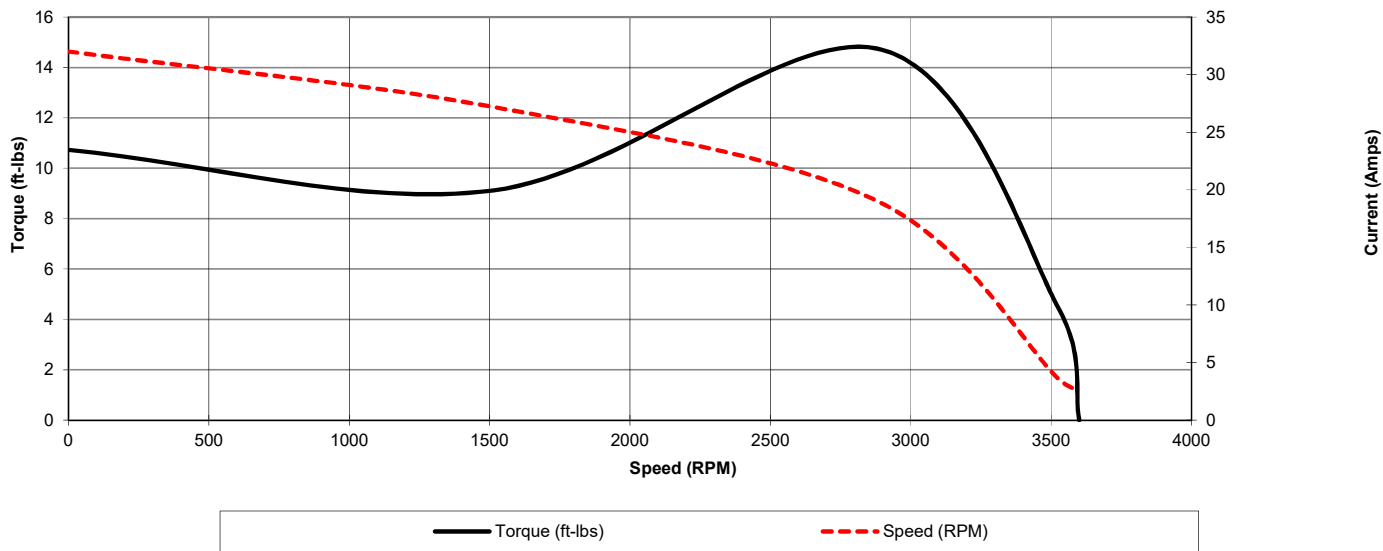
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HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
3	460	3525	TEFC	90L	60	B	2	K	F	39

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	2,56	2,74	2,92	3,17	3,60	4,50	5,40
Torq ft/lbs	0	1,10	2,21	3,33	4,47	5,62	6,78
RPM	0	3581,25	3562,5	3543,75	3525	3506,25	3487,5
Eff	0	76,22	86,92	87,43	86,50	85,00	82,57
PF	0	54,0	80,19	87,03	90,0	91,8	94,5

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1512	2880	3525	3600	Continuous	1,15	40°C	3,300 ft	/
Current (Amps)	32	27,2	19,0	3,6	2,556	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	10,73	9,12	14,75	4,47	0,0	C.T.	10:1	V.T.	20:1	

Motor Speed Data



440T, 480T Dual Voltage DOL & Load WYE Connection

Motor Load Data

