

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 Shark - TEFC Nema Premium Efficiency Derating Product code : 18893182

Frame	: 182/4T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation ¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 80.3 lb
Protection degree	: IP66	Moment of inertia (J)	: 0.4010 sq.ft.lb
Design	: B		

Output	3 HP (2.2 kW)	3 HP (2.2 kW)	3 HP (2.2 kW)
Poles	4	4	4
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	7.62/3.81 A	9.08/4.54 A	8.15/4.32 A
L. R. Amperes	67.1/33.5 A	60.8/30.4 A	65.2/34.6 A
LRC	8.8	6.7	8.0
No load current	4.00/2.00 A	3.94/1.97 A	4.23/2.24 A
Rated speed	1765 rpm	1455 rpm	1465 rpm
Slip	1.94 %	3.00 %	2.33 %
Rated torque	8.82 ft.lb	10.7 ft.lb	10.6 ft.lb
Locked rotor torque	220 %	180 %	220 %
Pull up torque	185 %	150 %	185 %
Breakdown torque	300 %	260 %	320 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	56.0 dB(A)	53.0 dB(A)	53.0 dB(A)
Locked rotor time (hot)	18 s	25 s	21 s
Locked rotor time (cold)	32 s	45 s	38 s
Efficiency (%)	50%	87.5	86.9
	75%	88.5	88.0
	100%	89.5	87.4
Power Factor	50%	0.61	0.62
	75%	0.74	0.74
	100%	0.81	0.81

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1(0,9;1,0)	12.6	13.6	13.7
	P2(0,5;1,0)	10.6	11.4	11.6
	P3(0,25;1,0)	10.2	10.9	11.0
	P4(0,9;0,5)	6.8	7.3	7.4
	P5(0,5;0,5)	4.8	5.1	5.2
	P6(0,5;0,25)	3.5	3.8	3.8
	P7(0,25;0,25)	2.6	2.8	2.8

Bearing type	Drive end 6206-2RS	Non drive end 6205-2RS	Foundation loads
Lubrication interval	-	-	Max. traction : Max. compression :
Lubricant amount	-	-	Load type : -
Lubricant type	MOBIL POLYREX EM		Load torque : - Load inertia (J=GD ² /4) : -

Notes
See notes on page 2.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq			1875555850	
Checked by	AUTOMATICO			Page	Rev.
Date	17/07/2026			1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight, subject to be changed after manufacturing process.	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.
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