

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 Shark - TEFC Premium Efficiency Derating Product code : 18932555

Frame	: 56C	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	: 37.9 lb
Protection degree	: IP66	Moment of inertia (J)	: 0.1092 sq.ft.lb
Design	: B		

Output	1.5 HP (1.1 kW)	1 HP (0.75 kW)	1 HP (0.75 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	4.04/2.02 A	3.78/1.89 A	3.62/1.92 A
L. R. Amperes	33.1/16.6 A	25.3/12.7 A	26.4/14.0 A
LRC	8.2	6.7	7.3
No load current	2.17/1.08 A	2.10/1.05 A	2.32/1.23 A
Rated speed	1750 rpm	1458 rpm	1465 rpm
Slip	2.78 %	2.80 %	2.33 %
Rated torque	4.44 ft.lb	3.55 ft.lb	3.54 ft.lb
Locked rotor torque	270 %	350 %	440 %
Pull up torque	230 %	295 %	370 %
Breakdown torque	300 %	340 %	420 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Locked rotor time (hot)	21 s	41 s	34 s
Locked rotor time (cold)	38 s	74 s	61 s
Efficiency (%)	50%	85.5	84.3
	75%	86.5	87.1
	100%	86.5	82.5
Power Factor	50%	0.59	0.52
	75%	0.72	0.65
	100%	0.79	0.73

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

Losses (%)	P1(0,9;1,0)	17.8	22.9	22.7
	P2(0,5;1,0)	15.9	20.5	20.4
	P3(0,25;1,0)	14.9	19.2	19.0
	P4(0,9;0,5)	9.1	11.7	11.6
	P5(0,5;0,5)	6.7	8.6	8.5
	P6(0,5;0,25)	4.8	6.2	6.2
	P7(0,25;0,25)	3.6	4.7	4.6

Bearing type	Drive end 6204-2RS	Non drive end 6203-2RS	Foundation loads	
Lubrication interval	-	-	Max. traction	:
Lubricant amount	-	-	Max. compression	:
Lubricant type	MOBIL POLYREX EM		Load type	:-
			Load torque	:-
			Load inertia (J=GD ² /4)	:-

Notes

See notes on page 2.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq				
Checked by	AUTOMATICO				
Date	17/07/2026				

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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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Performed by	farazq		1875520816		
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