

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - High Efficiency JM Derating Product code : 19441840

Frame	: 182/4JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6/V17R(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	: 72.8 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.1566 sq.ft.lb
Design	: B		

Output	7.5 HP (5.5 kW)	5.5 HP (4 kW)	5.5 HP (4 kW)
Poles	2	2	2
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	17.7/8.86 A	16.3/8.14 A	15.1/8.01 A
L. R. Amperes	124/62.0 A	124/61.9 A	124/65.7 A
LRC	7.0	7.6	8.2
No load current	6.99/3.49 A	6.86/3.43 A	8.05/4.27 A
Rated speed	3500 rpm	2915 rpm	2925 rpm
Slip	2.78 %	2.83 %	2.50 %
Rated torque	11.1 ft.lb	9.77 ft.lb	9.77 ft.lb
Locked rotor torque	180 %	130 %	240 %
Pull up torque	150 %	110 %	200 %
Breakdown torque	280 %	200 %	380 %
Service factor	1.15	1.00	1.00
Temperature rise	80 K	80 K	80 K
Noise level ²	65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Locked rotor time (hot)	11 s	14 s	12 s
Locked rotor time (cold)	20 s	25 s	22 s
Efficiency (%)	50%	87.5	85.0
	75%	88.5	85.8
	100%	87.5	85.8
Power Factor	50%	0.74	0.61
	75%	0.84	0.74
	100%	0.89	0.81

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads
	6207-ZZ	6205-ZZ	Max. traction :
	-	-	Max. compression :
	-	-	Load type : -
	MOBIL POLYREX EM		Load torque : -
			Load inertia (J=GD ² /4) : -

Notes
See notes on page 2.

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.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq			1871618429	
Checked by	AUTOMATICO			Page	Rev.
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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes

USABLE @208V 19.6A SF 1.15 SFA 22.5A

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