

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Nema Premium Efficiency JP
Derating

Frame	: 213/5JP	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B34R(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	: 138 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.5505 sq.ft.lb
Design	: B		

Output	15 HP (11 kW)	10 HP (7.5 kW)	10 HP (7.5 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	35.2/17.6 A	30.2/15.1 A	28.3/15.0 A
L. R. Amperes	239/120 A	227/113 A	232/123 A
LRC	6.8	7.5	8.2
No load current	14.6/7.30 A	14.2/7.10 A	17.4/9.20 A
Rated speed	3525 rpm	2940 rpm	2950 rpm
Slip	2.08 %	2.00 %	1.67 %
Rated torque	22.1 ft.lb	17.6 ft.lb	17.6 ft.lb
Locked rotor torque	230 %	260 %	310 %
Pull up torque	170 %	220 %	260 %
Breakdown torque	280 %	330 %	400 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	66.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Locked rotor time (hot)	14 s	18 s	15 s
Locked rotor time (cold)	25 s	32 s	27 s
Efficiency (%)	50%	90.0	88.0
	75%	90.1	89.5
	100%	90.2	90.1
Power Factor	50%	0.72	0.54
	75%	0.82	0.68
	100%	0.87	0.77

	Drive end	Non drive end	Foundation loads
Bearing type	6209-ZZ	6206-ZZ	Max. traction :
Lubrication interval	-	-	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.

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			1895651628	
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Product line	: W01 - ODP - Nema Premium Efficiency JP Derating			
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

Notes

USABLE @208V 38.0A SF 1.15 SFA 43.7A

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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