

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W22

Frame	: 182/4TC	Locked rotor time	: 10 s (hot) 18 s (cold)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V	Altitude	: 3280 ft
Rated current	: 17.8/8.50-8.91 A	Protection degree	: IP55
L. R. Amperes	: 102/48.5-50.8 A	Cooling method	: IC411 - TEFC
LRC	: 5.7	Mounting	: F-1
No load current	: 12.2/5.26-6.10 A	Rotation ¹	: Both
Rated speed	: 1185 rpm	Noise level ²	: 60.0 dB(A)
Slip	: 1.25 %	Vibration class	: NOT APPLICABLE
Rated torque	: 6.55 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 265 %	Coupling	: Direct
Pull up torque	: 225 %	Approx. weight ³	: 119 lb
Breakdown torque	: 320 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 7022
Service factor	: 1.15		
Moment of inertia (J)	: 0.5624 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	59.5	68.0	72.5
Power Factor	0.59	0.68	0.74

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type #1	6207-ZZ	6206-ZZ
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
Lubricant type	POLYUREA BASED GREASE	

Foundation loads	
Max. traction	: -
Max. compression	: -

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.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq			1867145002	
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