

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : ODP NEMA Premium Efficiency Jet Pump Motors Product code : 11169007
JM (IP23)

Frame	: 286JM	Locked rotor time	: 14 s (hot) 25 s (cold)
Output	: 30 HP (22 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 27.9 A	Protection degree	: IP23
L. R. Amperes	: 184 A	Cooling method	: IC01 - ODP
LRC	: 6.6	Mounting	: F-1
No load current	: 9.68 A	Rotation ¹	: Both
Rated speed	: 1770 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.67 %	Vibration class	: A
Rated torque	: 87.5 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 240 %	Coupling	: Direct
Pull up torque	: 220 %	Approx. weight ³	: 421 lb
Breakdown torque	: 270 %	Painting plan	: 203A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.15	Design	: B
Moment of inertia (J)	: 4.90 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	93.6	94.1	94.1
Power Factor	0.70	0.80	0.84

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

	Drive end	Non drive end
Bearing type #1	6311-Z-C3	6211-Z-C3
Bearing type #2	-	-
Lubrication interval	20000 h	20000 h
Lubricant amount #1	18 g	11 g
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 3672 N
Max. compression	: 5545 N

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			1873879060	
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