DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Jet Pump - J type Premium Efficiency Three-Phase	Product code :	14804686
		Catalog # :	00336ET3HJP56J-S

Frame	: 56HJ	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 2.94 A	Protection degree	: IP55
L. R. Amperes	: 27.3 A	Cooling method	: IC411 - TEFC
LRC	: 9.3x(Code L)	Mounting	: F-1
No load current	: 1.28 A	Rotation¹	: CCW
Rated speed	: 3505 rpm	Noise level²	: 68.0 dB(A)
Slip	: 2.64 %	Starting method	: Direct On Line
Rated torque	: 4.49 ft.lb	Approx. weight³	: 46.8 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 380 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1663 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	78.7	81.0	84.0	86.5
Power Factor	0.45	0.71	0.82	0.87

Foundation loads	
Max. traction	: 144 lb
Max. compression	: 191 lb

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

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 changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

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Checked by			Page	Revision
Date	27/03/2024		1 / 1	

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