

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump High Efficiency Three-Phase Product code : 11396407

Frame	: 324JM	Locked rotor time	: 43s (cold) 24s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 39.5 A	Protection degree	: IP23
L. R. Amperes	: 229 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code G)	Mounting	: F-1
No load current	: 16.8 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 118 ft.lb	Approx. weight ³	: 514 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.40 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction	: 742 lb
Power Factor	0.41	0.67	0.77	0.82	Max. compression	: 1256 lb

	Drive end	Non drive end
Bearing type	: 6312 Z C3	6212 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 21 g	13 g
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
Performed by		Page 1 / 1 Revision		
Checked by				
Date	28/03/2024			