

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump NEMA Premium  
Efficiency Three-Phase

Product code : 12712280

Catalog # : 04018OT3H324JP

Frame : 324JP  
Output : 40 HP (30 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 38.6 A  
L. R. Amperes : 239 A  
LRC : 6.2x(Code G)  
No load current : 14.8 A  
Rated speed : 1775 rpm  
Slip : 1.39 %  
Rated torque : 118 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 229 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 6.05 sq.ft.lb  
Design : B

Locked rotor time : 50s (cold) 28s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP23  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 64.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 486 lb

Output	25%	50%	75%	100%
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Efficiency (%)	93.5	93.6	94.1	94.1
Power Factor	0.43	0.68	0.78	0.83

Foundation loads

Max. traction : 802 lb  
Max. compression : 1287 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		
Checked by				
Date	28/03/2024			
		Revision		