

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:		
Product line	: Close Coupled Pump High Efficiency Three-Phase	Product code :	11947084
Frame	: 324JP	Locked rotor time	: 50s (cold) 28s (hot)
Output	: 50 HP (37 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	: 46.7 A	Protection degree	: IP23
L. R. Amperes	: 290 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 12.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3560 rpm	Noise level <sup>2</sup>	: 74.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 73.8 ft.lb	Approx. weight <sup>3</sup>	: 516 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 3.30 sq.ft.lb		
Design	: B		
Output	25%	50%	75% 100%
Efficiency (%)	90.8	91.0	92.4 92.4
Power Factor	0.54	0.75	0.83 0.86
			Foundation loads
Bearing type	: 6312 Z C3	Max. traction	: 365 lb
Sealing	: Without Bearing Seal	Max. compression	: 880 lb
Lubrication interval	: 19658 h		
Lubricant amount	: 21 g		
Lubricant type		Mobil Polyrex EM	
Notes:			
This revision replaces and cancel the previous one, which must be eliminated.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
(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.			

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	28/03/2024		Page 1 / 1	Revision