

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump High Efficiency Three-Phase Product code : 12440722

Frame	: 284JP	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 30 HP (22 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 69.0/34.5 A	Protection degree	: IP23
L. R. Amperes	: 428/214 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 18.2/9.10 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3540 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 44.5 ft.lb	Approx. weight ³	: 327 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.68 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	90.9	89.1	91.0	88.5	Max. traction : 375 lb
	89.1	88.2	88.5	88.5	Max. compression : 703 lb

Bearing type	:	Drive end	Non drive end
		6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 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					
Checked by					
Date	28/03/2024				
				Page	Revision
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