DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Close Coupled Pump NEMA Premium Efficiency Three-Phase	Product code :	13469118
		Catalog # :	04018OT3V324JPV

Frame	: 324JP	Locked rotor time	: 50s (cold) 28s (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	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 111/55.4 A	Protection degree	: IP23
L. R. Amperes	: 687/344 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: W-6
No load current	: 42.5/21.3 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level²	: 64.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 118 ft.lb	Approx. weight³	: 481 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		

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

Foundation loads	
Max. traction	: 804 lb
Max. compression	: 1285 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				
Checked by			Page	Revision
Date	28/03/2024		1 / 1	

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