

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase Product code : 14269639
Catalog # : 05012OT3E365JP-W40

Frame	: 364/5JP	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 50 HP (37 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 116/58.1 A	Protection degree	: IP23
L. R. Amperes	: 778/389 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code G)	Mounting	: F-1
No load current	: 37.0/18.5 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1183 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.42 %	Starting method	: Direct On Line
Rated torque	: 222 ft.lb	Approx. weight ³	: 820 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 23.9 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	93.4	92.3	93.6	92.5	94.1	92.9	94.1	92.9	Max. traction	: 1488 lb
	92.4	92.4	92.5	92.5	92.9	92.9	92.9	92.9		
Power Factor	0.50	0.50	0.74	0.74	0.82	0.83	0.85	0.86	Max. compression	: 2308 lb
	0.46	0.43	0.70	0.68	0.80	0.79	0.85	0.84		

				<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:			6314 C3	6212 Z C3
Sealing	:			Without Bearing Seal	Without Bearing Seal
Lubrication interval	:			20000 h	20000 h
Lubricant amount	:			27 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				
Date	30/03/2024			
			Page	Revision
			1 / 1	