

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency
Three-Phase

Product code : 14836796

Catalog # : 07536OT3E364JPV-W40

Frame	: 364/5JP	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 75 HP (55 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	: 170/84.8 A	Protection degree	: IP23
L. R. Amperes	: 1119/560 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: W-6
No load current	: 43.0/21.5 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3555 rpm	Noise level ²	: 84.0 dB(A)
Slip	: 1.25 %	Starting method	: Direct On Line
Rated torque	: 111 ft.lb	Approx. weight ³	: 693 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 6.40 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	91.0	90.5	91.7	91.7	93.0	92.9	93.6	94.0	Max. traction	: 673 lb
	90.2	89.7	91.4	91.0	92.8	92.7	94.0	94.0		
Power Factor	0.56	0.56	0.77	0.78	0.84	0.85	0.87	0.88	Max. compression	: 1366 lb
	0.51	0.47	0.73	0.69	0.83	0.80	0.87	0.85		

				<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	:			7209 h		12143 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	