

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14270478

Catalog # : 07536OT3G364JP-W40

Frame : 364/5JP
Output : 75 HP (55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 84.8 A
L. R. Amperes : 560 A
LRC : 6.6x(Code G)
No load current : 21.5 A
Rated speed : 3555 rpm
Slip : 1.25 %
Rated torque : 111 ft.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

Locked rotor time : 34s (cold) 19s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 84.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 751 lb

Output	25%		50%		75%		100%	
Efficiency (%)	91.0	90.5	91.7	91.7	93.0	92.9	93.6	94.0
	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
	0.51	0.47	0.73	0.69	0.83	0.80	0.87	0.85

Foundation loads
Max. traction : 644 lb
Max. compression : 1395 lb

	Drive end	Non drive end
Bearing type	: 6314 C3	: 6212 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 14418 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
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