DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Close Coupled Pump NEMA Premium Efficiency Three-Phase	Product code :	13469138
		Catalog # :	06018OT3E364JPV

Frame	: 364/5JP	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 60 HP (45 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 140/69.9 A	Protection degree	: IP23
L. R. Amperes	: 937/468 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code G)	Mounting	: W-6
No load current	: 44.0/22.0 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1780 rpm	Noise level²	: 68.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 177 ft.lb	Approx. weight³	: 801 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 15.6 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%	
Efficiency (%)	94.0	93.9	94.5	94.5	94.5	94.5	95.0	95.0
	94.0	94.0	94.5	94.5	94.5	94.5	95.0	95.0
Power Factor	0.50	0.57	0.74	0.79	0.83	0.87	0.85	0.89
	0.52	0.48	0.75	0.72	0.84	0.82	0.87	0.86

Foundation loads

Max. traction	: 1351 lb
Max. compression	: 2151 lb

		Drive end	Non drive end
Bearing type	:	6314 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	19579 h	19579 h
Lubricant amount	:	27 g	27 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	29/03/2024		1 / 1	

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