

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA Premium
Efficiency Three-Phase

Product code : 14008444

Catalog # : 00218OT3E145JP-SG

Frame : 143/5JP
Output : 2 HP (1.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 5.38/2.69 A
L. R. Amperes : 41.4/20.7 A
LRC : 7.7x(Code K)
No load current : 2.75/1.38 A
Rated speed : 1740 rpm
Slip : 3.33 %
Rated torque : 6.04 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1168 sq.ft.lb
Design : B

Locked rotor time : 30s (cold) 17s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 42.4 lb

Output	25%		50%		75%		100%	
Efficiency (%)	85.2	88.2	85.5	85.9	86.5	85.0	86.5	82.2
	85.5		84.6		85.2		83.8	
Power Factor	0.36	0.42	0.61	0.69	0.74	0.80	0.81	0.85
	0.35		0.61		0.74		0.81	

Foundation loads
Max. traction : 158 lb
Max. compression : 200 lb

	Drive end	Non drive end
Bearing type :	6206 ZZ	6203 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	-	-
Lubricant amount :	-	-
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	29/03/2024			
			Page	Revision
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