DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel JP Pump High Efficiency Three-Phase	Product code :	12682681
		Catalog # :	00336OP3E145JP-S

Frame	: 143/5JP	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 3 HP (2.2 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	: 7.38/3.69 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 57.6/28.8 A	Mounting	: F-1
LRC	: 7.8x(Code J)	Rotation¹	: Both (CW and CCW)
No load current	: 3.20/1.60 A	Noise level²	: 62.0 dB(A)
Rated speed	: 3475 rpm	Starting method	: Direct On Line
Slip	: 3.47 %	Approx. weight³	: 39.7 lb
Rated torque	: 4.53 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0496 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%	
Efficiency (%)	83.8	88.1	84.0	85.7	84.0	84.6	84.0	81.7
	85.0		84.1		84.7		83.3	
Power Factor	0.45	0.52	0.73	0.80	0.84	0.89	0.89	0.92
	0.43		0.71		0.83		0.89	

Foundation loads

Max. traction	: 114 lb
Max. compression	: 154 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			Page	Revision
Date	29/03/2024		1 / 1	

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