

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump High Efficiency Three-Phase Product code : 12682702

Frame	: 143/5JP	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 1 HP (0.75 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	: 3.26/1.63 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 24.1/12.1 A	Mounting	: F-1
LRC	: 7.4x(Code L)	Rotation ¹	: Both (CW and CCW)
No load current	: 2.37/1.18 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 33.4 lb
Rated torque	: 2.98 ft.lb		
Locked rotor torque	: 280 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0906 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	75.7	78.2	77.0	78.5	81.5	81.2	82.5	81.0	Max. traction	: 86 lb
	72.8		74.3		79.0		80.3			
Power Factor	0.25	0.30	0.46	0.54	0.60	0.69	0.70	0.78	Max. compression	: 120 lb
	0.25		0.46		0.60		0.70			

		<u>Drive end</u>	<u>Non drive end</u>
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		Page 1 / 1		
Checked by				
Date	29/03/2024			
			Revision	