

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase

Product code : 10021666

Frame : 145JM
Output : 3 HP (2.2 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230 V
Rated current : 14.6-13.5 A
L. R. Amperes : 102-94.5 A
LRC : 7.0x(Code J)
No load current : 4.57-5.30 A
Rated speed : 3500 rpm
Slip : 2.78 %
Rated torque : 4.50 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0664 sq.ft.lb

Locked rotor time : 14s (cold) 8s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : CCW
Starting method : Direct On Line
Approx. weight³ : 67.2 lb

Output	25%	50%	75%	100%
Efficiency (%)	74.2	75.0	78.5	79.0
Power Factor	0.51	0.79	0.87	0.90

Foundation loads
Max. traction : 56 lb
Max. compression : 123 lb

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	: 6206 ZZ	: 6203 ZZ
Sealing	: V'Ring	: V'Ring
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 / 1Revision		
Checked by				
Date	26/03/2024			