

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase

Product code : 12723750

Frame : 215JP
Output : 10 HP (7.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230 V
Rated current : 43.2-38.8 A
L. R. Amperes : 294-264 A
LRC : 6.8x(Code G)
No load current : 6.64-7.70 A
Rated speed : 3510 rpm
Slip : 2.50 %
Rated torque : 15.0 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.5285 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 : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 161 lb

Output	25%	50%	75%	100%
Efficiency (%)	81.8	83.0	85.0	86.0
Power Factor	0.70	0.91	0.94	0.95

Foundation loads
Max. traction : 147 lb
Max. compression : 308 lb

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	6309 ZZ	6206 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			