

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump High Efficiency
Three-Phase

Product code : 13702525

Catalog # : 01036OP3EFP213JM-S

Frame : 213/5JM
Output : 10 HP (7.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 24.4/12.2 A
L. R. Amperes : 156/78.1 A
LRC : 6.4x(Code G)
No load current : 10.3/5.13 A
Rated speed : 3530 rpm
Slip : 1.94 %
Rated torque : 14.9 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.3816 sq.ft.lb
Design : B

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.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 112 lb

Output	25%		50%		75%		100%	
Efficiency (%)	87.3	90.4	87.5	87.8	88.5	86.6	88.5	83.8
	87.9		86.7		86.9		85.4	
Power Factor	0.45	0.51	0.72	0.79	0.83	0.88	0.87	0.91
	0.42		0.71		0.82		0.88	

Foundation loads
Max. traction : 167 lb
Max. compression : 279 lb

	Drive end	Non drive end
Bearing type :	6209 ZZ	6206 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	26/03/2024			
		Revision		