

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 12676938

Catalog # : 00718OP3E213JM-S

Frame : 213/5JM
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 18.6/9.29 A
L. R. Amperes : 121/60.4 A
LRC : 6.5x(Code H)
No load current : 8.64/4.32 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 22.4 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8040 sq.ft.lb
Design : B

Locked rotor time : 18s (cold) 10s (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 : 59.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 110 lb

Output	25%		50%		75%		100%	
Efficiency (%)	87.3	90.4	87.5	87.4	88.5	86.0	88.5	82.8
	87.7		86.4		86.4		84.7	
Power Factor	0.41	0.47	0.67	0.75	0.79	0.84	0.84	0.88
	0.40		0.67		0.79		0.85	

Foundation loads
Max. traction : 281 lb
Max. compression : 391 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	29/03/2024			
			Revision	