

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium  
Efficiency Three-Phase

Product code : 13180570

Catalog # : 01018ET3E215JM-S

Frame : 213/5JM  
Output : 10 HP (7.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 24.4/12.2 A  
L. R. Amperes : 171/85.4 A  
LRC : 7.0x(Code H)  
No load current : 11.1/5.54 A  
Rated speed : 1760 rpm  
Slip : 2.22 %  
Rated torque : 29.8 ft.lb  
Locked rotor torque : 250 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 1.07 sq.ft.lb  
Design : B

Locked rotor time : 27s (cold) 15s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 60.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 154 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.2	91.0	91.0	91.7
Power Factor	0.41	0.67	0.78	0.84

Foundation loads  
Max. traction : 428 lb  
Max. compression : 582 lb

	Drive end	Non drive end
Bearing type	6209 ZZ	6206 ZZ
Sealing	V'Ring	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

Notes:  
USABLE @208V 27.0A SF 1.00 SFA 27.0A

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		