

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14193778

Catalog # : 02018OT3V256JM-S

Frame : 254/6JM
Output : 20 HP (15 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 200/400 V
Rated current : 57.5/28.8 A
L. R. Amperes : 362/181 A
LRC : 6.3x(Code G)
No load current : 26.3/13.1 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 59.3 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.23 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.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 64.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 227 lb

Output	25%	50%	75%	100%
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Efficiency (%)	91.7	92.4	92.4	93.0
Power Factor	0.38	0.63	0.74	0.81

Foundation loads

Max. traction : 712 lb
Max. compression : 939 lb

	Drive end	Non drive end
Bearing type	6309 Z C3	6208 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	8 g
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		