

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14478902

Catalog # : 02536ET3V256JM-S

Frame	: 254/6JM	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 65.5/32.8 A	Protection degree	: IP55
L. R. Amperes	: 544/272 A	Cooling method	: IC411 - TEFC
LRC	: 8.3x(Code J)	Mounting	: F-1
No load current	: 23.1/11.6 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level <sup>2</sup>	: 75.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 37.2 ft.lb	Approx. weight <sup>3</sup>	: 220 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 340 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.31 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
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Efficiency (%)	90.8	91.0	91.7	91.7
Power Factor	0.50	0.77	0.85	0.89

Foundation loads

Max. traction : 496 lb  
Max. compression : 716 lb

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	: 6309 Z C3	6208 Z C3
Sealing	: V'Ring	Without Bearing Seal
Lubrication interval	: 15797 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	