

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13550937

Catalog # : 02536OP3EFP256JPV-S

Frame : 254/6JP  
Output : 25 HP (18.5 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 58.0/29.0 A  
L. R. Amperes : 360/180 A  
LRC : 6.2x(Code G)  
No load current : 22.4/11.2 A  
Rated speed : 3530 rpm  
Slip : 1.94 %  
Rated torque : 37.2 ft.lb  
Locked rotor torque : 180 %  
Breakdown torque : 280 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.8718 sq.ft.lb  
Design : B

Locked rotor time : 16s (cold) 9s (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 : W-6  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 70.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 187 lb

Output	25%		50%		75%		100%	
Efficiency (%)	90.0	91.9	90.2	90.3	91.0	89.5	91.0	87.6
	90.4		89.6		89.8		88.7	
Power Factor	0.48	0.54	0.75	0.81	0.84	0.88	0.88	0.90
	0.43		0.71		0.82		0.87	

Foundation loads  
Max. traction : 446 lb  
Max. compression : 632 lb

	Drive end	Non drive end
Bearing type :	6309 Z C3	6208 Z C3
Sealing :	Without Bearing Seal	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				
Checked by				
Date	26/03/2024			
			Page	Revision
			1 / 1	