

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13550935

Catalog # : 02036OP3HFP254JPV-S

Frame : 254/6JP  
 Output : 20 HP (15 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 19.0 A  
 L. R. Amperes : 114 A  
 LRC : 6.0x(Code G)  
 No load current : 7.30 A  
 Rated speed : 3520 rpm  
 Slip : 2.22 %  
 Rated torque : 29.4 ft.lb  
 Locked rotor torque : 180 %  
 Breakdown torque : 240 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 0.6974 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> : 178 lb

Output	25%	50%	75%	100%
--------	-----	-----	-----	------

Efficiency (%)	87.7	88.5	89.5	90.2
Power Factor	0.48	0.75	0.84	0.88

Foundation loads

Max. traction : 254 lb  
 Max. compression : 432 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		Page 1 / 1		
Checked by				
Date	18/01/2018			
		Revision		