

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

11621870

Catalog # :

15036OP3HFP405TS

Frame : 404/5TS  
 Output : 150 HP (110 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 134 A  
 L. R. Amperes : 860 A  
 LRC : 6.4x(Code G)  
 No load current : 28.0 A  
 Rated speed : 3555 rpm  
 Slip : 1.25 %  
 Rated torque : 222 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 11.9 sq.ft.lb  
 Design : B

Locked rotor time : 18s (cold) 10s (hot)  
 Temperature rise : 105 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP23  
 Cooling method : IC01 - ODP  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 84.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 1014 lb

Output	25%	50%	75%	100%
Efficiency (%)	93.5	93.6	93.6	93.6
Power Factor	0.63	0.84	0.87	0.88

Foundation loads  
 Max. traction : 1154 lb  
 Max. compression : 2168 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	14418 h	14418 h
Lubricant amount	27 g	27 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	30/03/2024			
		Revision		