

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

13778481

Catalog # :

12518OP3EFP405TS

Frame : 404/5TS  
Output : 125 HP  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 292/146 A  
L. R. Amperes : 1810/905 A  
LRC : 6.2x(Code G)  
No load current : 88.0/44.0 A  
Rated speed : 1775 rpm  
Slip : 1.39 %  
Rated torque : 370 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 20.8 sq.ft.lb  
Design : B

Locked rotor time : 19s (cold) 11s (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> : 69.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 934 lb

Output	25%	50%	75%	100%				
Efficiency (%)	94.0	92.8	94.1	92.4	94.5	92.4	94.5	91.7
	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4
Power Factor	0.51	0.60	0.75	0.82	0.83	0.85	0.85	0.87
	0.56	0.52	0.80	0.77	0.84	0.82	0.86	0.85

Foundation loads  
Max. traction : 2613 lb  
Max. compression : 3547 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 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				
Checked by				
Date	30/03/2024			

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Revision