

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

11963271

Catalog # :

12536OP3GFP404TS

Frame : 404/5TS
Output : 125 HP
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 137 A
L. R. Amperes : 863 A
LRC : 6.3x(Code F)
No load current : 36.0 A
Rated speed : 3560 rpm
Slip : 1.11 %
Rated torque : 184 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 9.37 sq.ft.lb
Design : B

Locked rotor time : 19s (cold) 11s (hot)
Temperature rise : 80 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
Rotation¹ : Both (CW and CCW)
Noise level² : 84.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 880 lb

Output	25%		50%		75%		100%	
Efficiency (%)	92.9	91.6	93.0	91.7	93.6	91.7	93.6	91.7
	91.6	92.2	91.7	91.7	91.7	92.4	91.7	91.7
Power Factor	0.58	0.61	0.81	0.81	0.87	0.86	0.88	0.87
	0.58	0.55	0.80	0.77	0.85	0.84	0.87	0.86

Foundation loads
Max. traction : 959 lb
Max. compression : 1839 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				
Checked by				
Date	30/03/2024			
			Page	Revision
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