

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 10562940

Frame	: 404/5T	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 50 HP (37 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 136-123/61.7 A	Protection degree	: IP23
L. R. Amperes	: 764-691/346 A	Cooling method	: IC01 - ODP
LRC	: 5.6x(Code F)	Mounting	: F-2
No load current	: 48.7-44.0/22.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1125 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 6.25 %	Starting method	: Direct On Line
Rated torque	: 233 ft.lb	Approx. weight ³	: 912 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 26.2 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	88.4	88.5	89.0	88.5	Max. traction : -455 lb
Power Factor	0.47	0.71	0.81	0.85	Max. compression : 455 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-316 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	34 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.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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