

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 11812971

Frame	: 404/5T	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 60 HP (45 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	: 166-150/75.1 A	Protection degree	: IP23
L. R. Amperes	: 947-856/428 A	Cooling method	: IC01 - ODP
LRC	: 5.7x(Code G)	Mounting	: F-2
No load current	: 64.1-58.0/29.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1125 rpm	Noise level ²	: 69.0 dB(A)
Slip	: 6.25 %	Starting method	: Direct On Line
Rated torque	: 280 ft.lb	Approx. weight ³	: 932 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 27.9 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	88.4	88.5	89.0	88.5	Max. traction : -466 lb
Power Factor	0.45	0.70	0.81	0.85	Max. compression : 466 lb

	Drive end	Non drive end
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1 Revision		
Checked by				
Date	26/03/2024			