

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase Product code : 12805243

Frame	: 56C	Locked rotor time	: 43s (cold) 24s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 3.02/1.51 A	Protection degree	: IP55
L. R. Amperes	: 21.7/10.9 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code K)	Mounting	: F-1
No load current	: 1.42/0.710 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3480 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 1.51 ft.lb	Approx. weight ³	: 24.2 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0643 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	66.0 73.7	72.0 76.2	74.0 75.5	Max. traction	: 38 lb
	71.5	75.6	76.4		
Power Factor	0.68 0.76	0.79 0.86	0.84 0.91	Max. compression	: 62 lb
	0.67	0.79	0.86		

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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 Revision 1 / 1		
Checked by				
Date	27/03/2024			