

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase
Product code : 12625552

Frame	: 56	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 2.16-1.95/0.977 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 13.0-11.7/5.86 A	Mounting	: F-1
LRC	: 6.0x(Code L)	Rotation ¹	: Both (CW and CCW)
No load current	: 1.38-1.60/0.800 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1755 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight ³	: 17.2 lb
Rated torque	: 1.50 ft.lb		
Locked rotor torque	: 220 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0453 sq.ft.lb		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	62.0	66.3	64.0	67.5	70.0	72.3	72.0	73.2	Max. traction	: 39 lb
	57.9		60.5		68.1		71.2			
Power Factor	0.23	0.29	0.43	0.54	0.56	0.68	0.66	0.77	Max. compression	: 56 lb
	0.24		0.45		0.58		0.68			

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	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 1 / 1		
Checked by				
Date	27/03/2024			
			Revision	