

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase

Product code : 11454080

Frame	: C56	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.75 HP (0.55 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 9.20/5.00-4.60 A	Protection degree	: IP21
L. R. Amperes	: 43.2/23.5-21.6 A	Cooling method	: IC01 - ODP
LRC	: 4.7x(Code H)	Mounting	: F-1
No load current	: 5.20/2.24-2.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3400 rpm	Starting method	: Direct On Line
Slip	: 5.56 %	Approx. weight ³	: 22.0 lb
Rated torque	: 1.16 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 190 %		
Insulation class	: B		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0233 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	60.8	62.0	65.0	66.0	Max. traction	: 10 lb
Power Factor	0.36	0.61	0.72	0.80	Max. compression	: 32 lb

		<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	26/03/2024			
			Revision	