

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12805240

Catalog # : .3336ES3E56C-S

Frame	: 56C	Locked rotor time	: 72s (cold) 40s (hot)
Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 1.33-1.20/0.602 A	Protection degree	: IP55
L. R. Amperes	: 8.52-7.71/3.85 A	Cooling method	: IC411 - TEFC
LRC	: 6.4x(Code L)	Mounting	: F-1
No load current	: 0.621-0.720/0.360 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3485 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.19 %	Starting method	: Direct On Line
Rated torque	: 0.497 ft.lb	Approx. weight ³	: 17.6 lb
Locked rotor torque	: 250 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0389 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	44.9	57.8	48.0	59.6	57.5	65.4	62.0	67.2	Max. traction	: 8 lb
	55.1		57.7		64.6		67.7			
Power Factor	0.44	0.48	0.72	0.77	0.79	0.85	0.84	0.89	Max. compression	: 25 lb
	0.41		0.69		0.79		0.85			

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 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 1 / 1		
Checked by				
Date	27/03/2024			
			Revision	