

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12894834

Catalog # : .7512ES3H56CFL-S

Frame : 56C
Output : 0.75 HP (0.55 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 1.07 A
L. R. Amperes : 6.22 A
LRC : 5.8x(Code K)
No load current : 0.777 A
Rated speed : 1155 rpm
Slip : 3.75 %
Rated torque : 3.41 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1331 sq.ft.lb
Design : A

Locked rotor time : 37s (cold) 21s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 50.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 30.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	68.4	70.0	74.0	75.5
Power Factor	0.26	0.46	0.59	0.68

Foundation loads
Max. traction : 85 lb
Max. compression : 116 lb

		<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		