

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12676274

Catalog # : .7512ES3E56-S

Frame : 56H
 Output : 0.75 HP (0.55 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 2.96-2.68/1.34 A
 L. R. Amperes : 17.2-15.5/7.77 A
 LRC : 5.8x(Code K)
 No load current : 1.67-1.94/0.971 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 : 31.0 lb

Output	50%	75%	100%
Efficiency (%)	70.0 70.3 67.3	74.0 73.3 72.2	75.5 72.6 73.3
Power Factor	0.46 0.55 0.48	0.59 0.68 0.61	0.68 0.77 0.71

Foundation loads
 Max. traction : 87 lb
 Max. compression : 118 lb

	Drive end	Non drive end
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		