

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12894832

Catalog # : .7518ES3E56C-S

Frame : 56C
 Output : 0.75 HP (0.55 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 2.70-2.44/1.22 A
 L. R. Amperes : 18.6-16.8/8.42 A
 LRC : 6.9x(Code K)
 No load current : 1.55-1.80/0.900 A
 Rated speed : 1755 rpm
 Slip : 2.50 %
 Rated torque : 2.24 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0648 sq.ft.lb

Locked rotor time : 30s (cold) 17s (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 : 52.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 23.0 lb

Output	50%	75%	100%
Efficiency (%)	72.0 73.1	77.0 76.5	78.5 76.5
	68.6	74.2	76.1
Power Factor	0.48 0.58	0.61 0.72	0.72 0.80
	0.49	0.62	0.73

Foundation loads
 Max. traction : 66 lb
 Max. compression : 89 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		