

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 14797780

Catalog # : .7536ES3V56C-S

Frame : 56C
 Output : 0.75 HP (0.55 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 200/400 V
 Rated current : 2.60/1.30 A
 L. R. Amperes : 18.2/9.10 A
 LRC : 7.0x(Code K)
 No load current : 1.27/0.633 A
 Rated speed : 3475 rpm
 Slip : 3.47 %
 Rated torque : 1.13 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0517 sq.ft.lb

Locked rotor time : 41s (cold) 23s (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 : 68.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 21.8 lb

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 58.8 | 62.0 | 68.0 | 72.0 |
| Power Factor | 0.45 | 0.70 | 0.79 | 0.85 |

Foundation loads
 Max. traction : 21 lb
 Max. compression : 43 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 | | |