

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12895581

Catalog # : .3336ES3H56CFL-S

Frame : 56C
Output : 0.33 HP (0.25 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 0.482 A
L. R. Amperes : 3.08 A
LRC : 6.4x(Code L)
No load current : 0.288 A
Rated speed : 3485 rpm
Slip : 3.19 %
Rated torque : 0.497 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0389 sq.ft.lb

Locked rotor time : 72s (cold) 40s (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 : 17.2 lb

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 44.9 | 48.0 | 57.5 | 62.0 |
| Power Factor | 0.44 | 0.72 | 0.79 | 0.84 |

Foundation loads
Max. traction : 6 lb
Max. compression : 23 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 Revision 1 / 1 | | |
| Checked by | | | | |
| Date | 27/03/2024 | | | |