

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 14014001

Catalog # : 00158ET3J56-S

Frame : 56H
 Output : 1.5 HP (1.1 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 380/660 V
 Rated current : 2.45/1.41 A
 L. R. Amperes : 20.1/11.6 A
 LRC : 8.2x(Code K)
 No load current : 1.31/0.756 A
 Rated speed : 1750 rpm
 Slip : 2.78 %
 Rated torque : 4.50 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1092 sq.ft.lb
 Design : B

Locked rotor time : 37s (cold) 21s (hot)
 Temperature rise : 70 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +50°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 : 37.2 lb

| Output | 25% | 50% | 75% | 100% |
|----------------|-------|------|------|------|
| Efficiency (%) | 0.000 | 85.5 | 86.5 | 86.5 |
| Power Factor | 0.00 | 0.59 | 0.72 | 0.79 |

Foundation loads
 Max. traction : 114 lb
 Max. compression : 151 lb

| | Drive end | Non drive end |
|----------------------|------------------|----------------------|
| Bearing type | 6204 ZZ | 6202 ZZ |
| Sealing | V'Ring | Without Bearing Seal |
| Lubrication interval | 0 h | 0 h |
| Lubricant amount | 0 g | 0 g |
| 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 | | |