

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12674695

Catalog # : 01536OT3H215TC-S

Frame : 213/5TC
Output : 15 HP (11 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 13.8 A
L. R. Amperes : 93.6 A
LRC : 6.8x(Code G)
No load current : 4.93 A
Rated speed : 3535 rpm
Slip : 1.81 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.5512 sq.ft.lb
Design : B

Locked rotor time : 14s (cold) 8s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 141 lb

| Output | 50% | 75% | 100% |
|----------------|------|------|------|
| Efficiency (%) | 90.2 | 90.2 | 90.2 |
| Power Factor | 0.77 | 0.86 | 0.89 |

Foundation loads
Max. traction : 281 lb
Max. compression : 422 lb

| | Drive end | Non drive end |
|----------------------|----------------------|----------------------|
| Bearing type | 6208 ZZ | 6206 ZZ |
| Sealing | Without Bearing Seal | 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 | 26/03/2024 | | | |
| | | Revision | | |