# 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 | Locked rotor time | : 25s (cold) 14s (hot) |
| Output | : 15 HP (11 kW) | Temperature rise | : 80 K |
| Poles | : 2 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 575 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 14.1 A | Cooling method | : IC01 - ODP |
| L. R. Amperes | : 95.7 A | Mounting | : F-1 |
| LRC | : 6.8x(Code H) | Rotation¹ | : Both (CW and CCW) |
| No load current | : 5.84 A | Noise level² | : 66.0 dB(A) |
| Rated speed | : 3525 rpm | Starting method | : Direct On Line |
| Slip | : 2.08 % | Approx. weight³ | : 135 lb |
| Rated torque | : 22.3 ft.lb | | |
| Locked rotor torque | : 229 % | | |
| Breakdown torque | : 280 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.5512 sq.ft.lb | | |
| Design | : B | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 90.0 | 90.1 | 90.2 |
| Power Factor | 0.72 | 0.82 | 0.87 |

| Foundation loads | |
|---|---|
| Max. traction | : 285 lb |
| Max. compression | : 420 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 |
|---|---|---|---|---|
| | | | | |

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|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 21/11/2024 | | 1 / 1 | |

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