DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : AutomationSTE Customer reference : AutomationSTE

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13207633

01036ET3E215T-SRT Catalog #:

: 213/5T Frame

Output : 10 HP (7.5 kW) Poles : 2

Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 25.9-23.5/11.7 A L. R. Amperes : 181-165/81.9 A **LRC** : 7.0x(Code H)

No load current : 0.000-8.20/4.10 A

Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 20.3 Nm Locked rotor torque : 229 % : 305 % Breakdown torque Insulation class : F Service factor : 1.15

: 0.0196 kgm² Moment of inertia (J)

Design

Locked rotor time : 27s (cold) 15s (hot)

: 80 K Temperature rise 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 : 70.0 dB(A) Starting method : Direct On Line Approx. weight³ : 55.4 kg

Output 25% 50% 75% 100% Foundation loads

Efficiency (%) 0.000 88.1 89.6 90.2 Max. traction : 874 N Power Factor 0.00 0.77 0.85 0.89 Max. compression : 1417 N

Drive end Non drive end Bearing type 6208 ZZ 6206 ZZ Sealing V'Ring Without Bearing Seal Lubrication interval 0 h 0 h

Lubricant amount 0 g 0 g

Mobil Polyrex EM Lubricant type

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.

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