## **DATA SHEET**

Customer

#### Three Phase Induction Motor - Squirrel Cage



Product line : Explosion Proof Standard Efficiency Product code : 10687911

Three-Phase

Frame : B56CEX Locked rotor time : 27s (cold) 15s (hot)

Output : 0.5 HP (0.37 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 208-230/460 V : 1000 m.a.s.l. Rated voltage Altitude

Rated current : 1.80-1.63/0.812 A Protection degree : IP44
L. R. Amperes : 12.2-11.0/5.52 A Cooling method : IC411 - TEFC

L. R. Amperes : 12.2-11.0/5.52 A Cooling method : IC411 - TI

Slip : 2.50 % Starting method : Direct On Line
Rated torque : 0.207 kgfm Approx. weight³ : 15.6 kg
Locked rotor torque : 220 %
Breakdown torque : 330 %

Insulation class : B
Service factor : 1.15

Moment of inertia (J) : 0.0034 kgm²

Output 50% 75% 100% Foundation loads

 Efficiency (%)
 70.0
 75.5
 77.5
 Max. traction
 : 14 kgf

 Power Factor
 0.52
 0.64
 0.73
 Max. compression
 : 29 kgf

Drive endNon drive endBearing type: 6203 ZZ6203 ZZSealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : - - Lubricant amount : - - - - - - - -

Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V SF 1.00

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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Customer	

#### Thermal protection

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ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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# LOAD PERFORMANCE CURVE

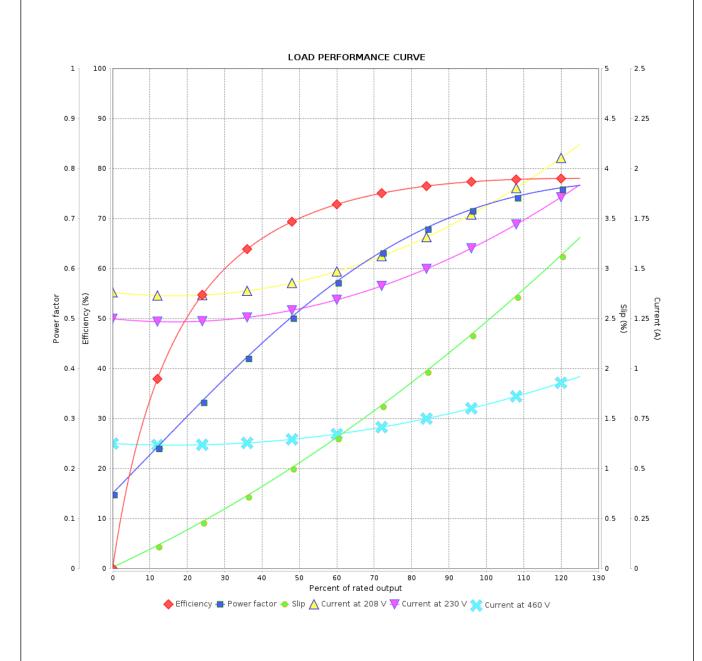
#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Product code : 10687911

Three-Phase



Performance : 208-230/460 V 60 Hz 4P : 1.80-1.63/0.812 A Rated current Moment of inertia (J) : 0.0034 kgm<sup>2</sup> **LRC** : 6.8 Duty cycle : Cont.(S1) : 0.207 kgfm Rated torque Insulation class : B Locked rotor torque : 220 % Service factor Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1755 rpm

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