DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Three- Product code : 10687989

Phase

Frame : B56CEX

Output : 0.75 HP (0.550 kW)

Poles : 4 Frequency : 60 Hz

 Frequency
 : 60 Hz

 Rated voltage
 : 208-230/460 V

 Rated current
 : 2.57-2.32/1.16 A

 L. R. Amperes
 : 14.6-13.2/6.61 A

LRC : 5.7x(Code H)
No load current : 1.55-1.40/0.700 A

Rated speed : 1730 rpm
Slip : 3.89 %
Rated torque : 0.315 kgfm
Locked rotor torque : 240 %
Breakdown torque : 280 %
Insulation class : B
Service factor : 1.15

Moment of inertia (J) : 0.0041 kgm²

Locked rotor time

: 27s (cold) 15s (hot)

Temperature rise : 80 K

Duty cycle : Cont.(S1)

Ambient temperature : -20°C to +40°C

Altitude : 1000 m.a.s.l.

Protection degree : IP44
Cooling method : IC411 - TEFC

Mounting : F-1 Rotation¹ : Both (CW and CCW)

Noise level² : 50.0 dB(A)
Starting method : Direct On Line

Approx. weight³ : 17.5 kg

 Output
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 77.0
 80.0
 81.5
 Max. traction

Efficiency (%) 77.0 80.0 81.5 Max. traction : 19 kgf Power Factor 0.53 0.66 0.74 Max. compression : 37 kgf

Drive end
Bearing typeNon drive end
6203 ZZSealing: 6203 ZZWithout Bearing SealWithout Bearing Seal

Lubrication interval : Lubricant amount : -

Lubricant amount : - 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	15/01/2024			1/3	

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Customer	
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Thermal protection

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	15/01/2024			2/3	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

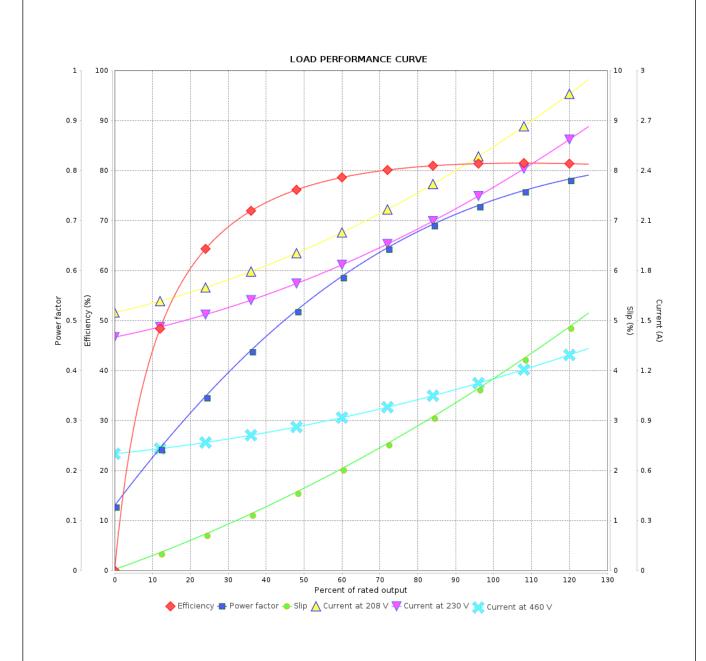
Checked by

Date

15/01/2024

Product line : Explosion Proof Standard Efficiency Three- Product code : 10687989

Phase



Performance		: 208-230/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 2.57-2.32/1.16 A : 5.7 : 0.315 kgfm : 240 % : 280 % : 1730 rpm	Moment of Duty cycle Insulation Service fa	class ctor	: 0.0041 kgm² : Cont.(S1) : B : : 80 K		
Rev.	Rev. Changes Summary		Performed	Checked	Date		
Performed by							

Page

3/3

Revision