## **DATA SHEET**

Customer

## Three Phase Induction Motor - Squirrel Cage



Product line : General High Efficiency Three-Product code: 11994523 : E143/5TC Locked rotor time Frame : 27s (cold) 15s (hot) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 230/460 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 5.80/2.90 A Protection degree : IP21 : IC01 - ODP L. R. Amperes : 45.2/22.6 A Cooling method **LRC** : 7.8x(Code L) Mounting : F-1 : Both (CW and CCW) No load current : 3.60/1.80 A Rotation<sup>1</sup> Rated speed : 1730 rpm Noise level<sup>2</sup> : 52.0 dB(A)

Slip : 3.89 % Starting method : Direct On Line Rated torque : 0.839 kgfm Approx. weight<sup>3</sup> : 20.2 kg Locked rotor torque : 340 % Breakdown torque : 320 % : F Insulation class Service factor : 1.15

 Design
 : B

 Output
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 82.5
 84.0
 84.0
 Max. traction
 : 66 kgf

Efficiency (%) 82.5 84.0 84.0 Max. traction : 66 kgf

Power Factor 0.58 0.70 0.78 Max. compression : 86 kgf

| Drive end | Non drive end |

Bearing type : 6205 ZZ 6204 ZZ
Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : - -

Lubricant amount : - -

Lubricant type : Mobil Polyrex EM

: 0.0068 kgm<sup>2</sup>

Notes

Moment of inertia (J)

USABLE @208V 6.30A SF 1.00 SFA 6.30A

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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## LOAD PERFORMANCE CURVE

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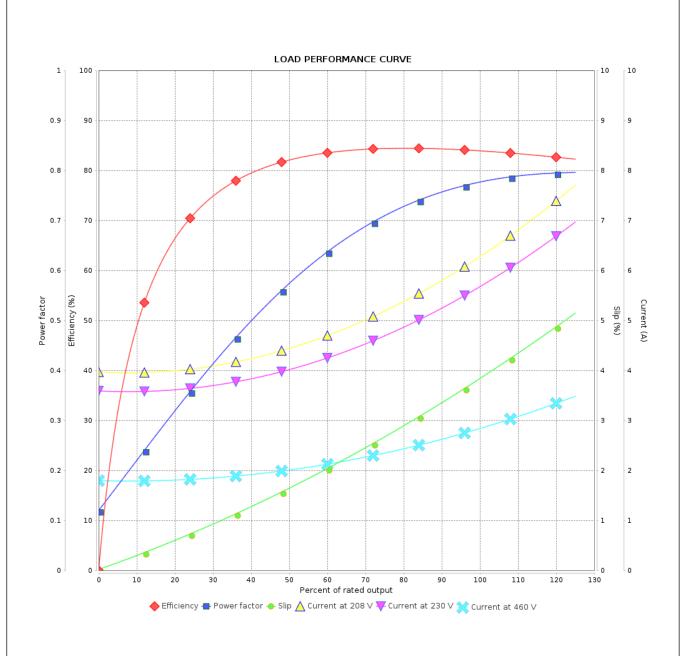
11994523

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Customer :

Product line : General High Efficiency Three- Product code :

Phase



Performance	: 230/460 V 60 Hz 4P				
Rated current	: 5.80/2.90 A	Moment of inertia (J)		: 0.0068 kgm²	
LRC	: 7.8	Duty cycle		: Cont.(S1)	
Rated torque	: 0.839 kgfm	Service factor Temperature rise		: F : : 80 K : B	
Locked rotor torque	: 340 %				
Breakdown torque	: 320 %				
Rated speed	: 1730 rpm				
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Date