## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



			-		
Customer	:				
Product line		: General Phase	High Efficiency Thro	ee- Product code :	11994425
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: E143/5TC : 1.5 HP (1.1 kW) : 2 : 60 Hz : 575 V : 1.56 A : 13.7 A : 8.8x(Code L) : 0.760 A : 3430 rpm : 4.72 % : 0.317 kgfm : 420 % : 340 % : F : 1.15 : 0.0018 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 58.0 dB(A) : Direct On Line : 0.0 kg
Output Efficiency (%) Power Factor	50% 81.5 0.69	75% 84.0 0.80	100% 84.0 0.86	Foundation loads Max. traction Max. compression	: 30 kgf : 30 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : Wit :	Drive end 6205 ZZ thout Bearing Seal - - Mol	Non drive end 6204 ZZ Without Bearing - - bil 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.

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## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



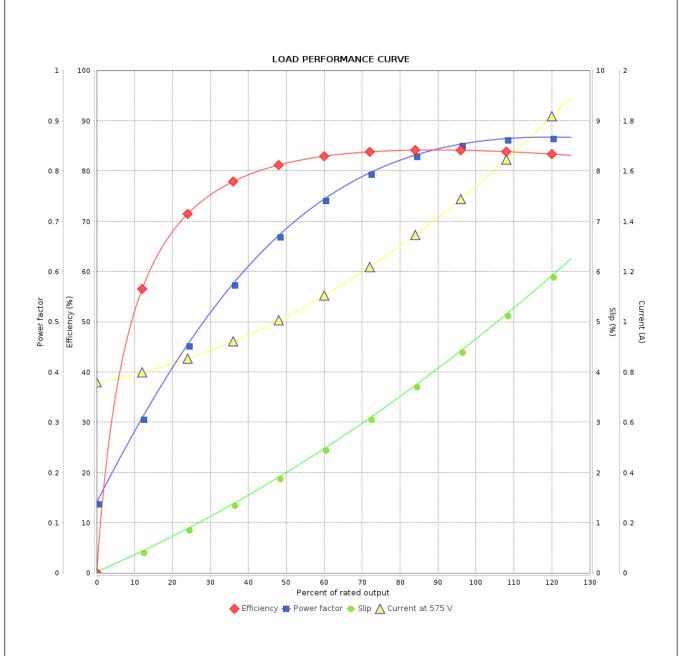
11994425

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Customer :

Product line : General High Efficiency Three- Product code :

Phase



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.56 A : 8.8 : 0.317 kgfm : 420 % : 340 % : 3430 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0018 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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