

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : _____

Product line : General High Efficiency Three-Phase Product code : 11994480

Frame : E143/5TC Output : 2 HP (1.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 5.00/2.50 A L. R. Amperes : 45.0/22.5 A LRC : 9.0x(Code K) No load current : 2.00/1.00 A Rated speed : 3430 rpm Slip : 4.72 % Rated torque : 0.423 kgfm Locked rotor torque : 450 % Breakdown torque : 350 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0025 kgm ² Design : B	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 : IP21 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 60.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 0.0 kg
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Output	50%	75%	100%	Foundation loads
Efficiency (%)	84.0	85.5	85.5	Max. traction : 42 kgf
Power Factor	0.73	0.83	0.88	Max. compression : 42 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type :		6205 ZZ	6204 ZZ
Sealing :		Without Bearing Seal	Without Bearing Seal
Lubrication interval :		-	-
Lubricant amount :		-	-
Lubricant type :		Mobil Polyrex EM	

Notes
 USABLE @208V 5.50A SF 1.00 SFA 5.50A

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				
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Date				
		1 / 2		

LOAD PERFORMANCE CURVE

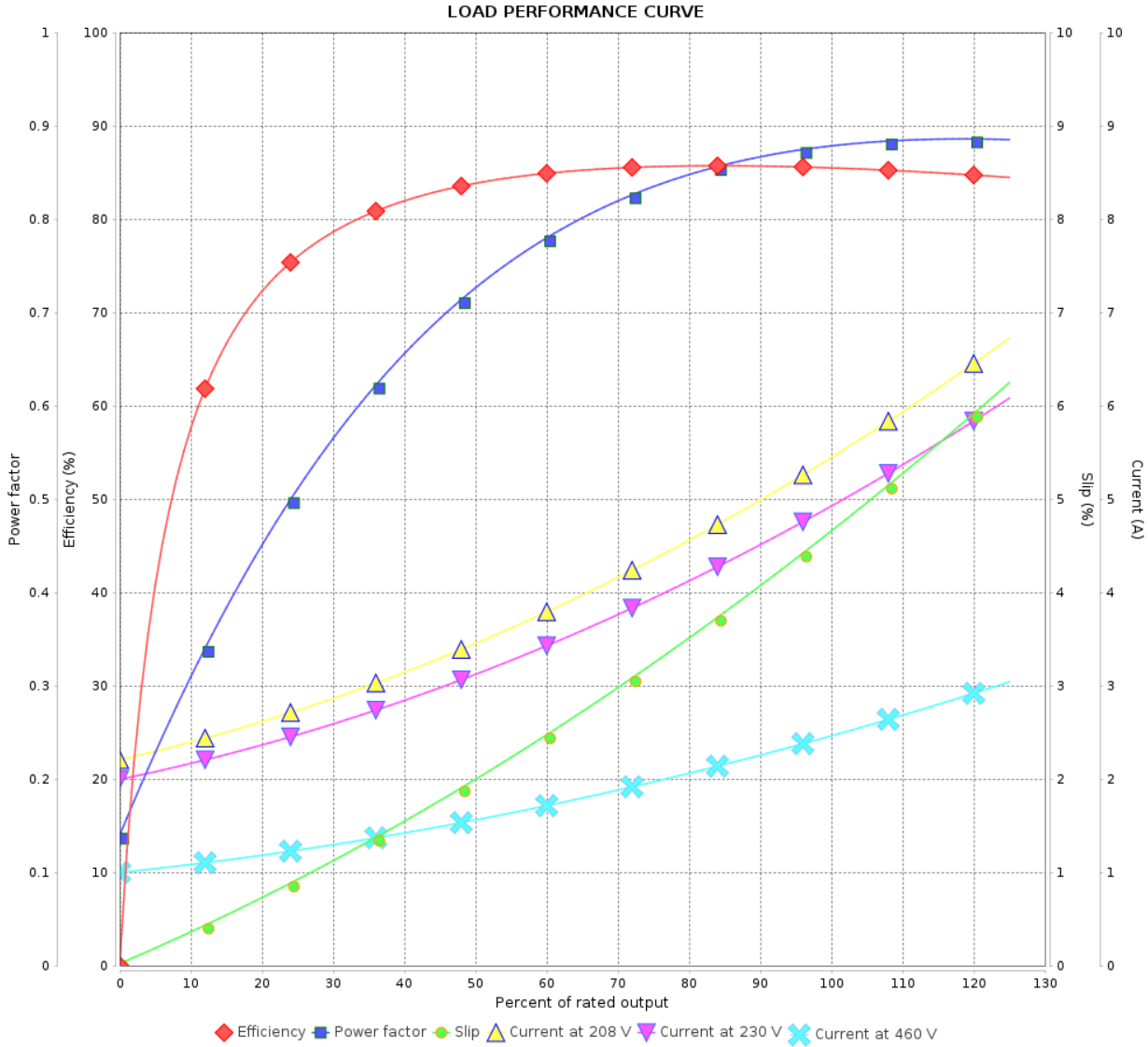
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11994480



Performance : 230/460 V 60 Hz 2P

Rated current : 5.00/2.50 A
 LRC : 9.0
 Rated torque : 0.423 kgfm
 Locked rotor torque : 450 %
 Breakdown torque : 350 %
 Rated speed : 3430 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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