

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : General NEMA Premium Efficiency Three-Phase		Product code : 10919854			
Frame : E143/5T Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 4.40/2.20 A L. R. Amperes : 39.6/19.8 A LRC : 9.0x(Code M) No load current : 2.80/1.40 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 0.626 kgfm Locked rotor torque : 360 % Breakdown torque : 340 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0067 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 : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 19.8 kg				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.5	85.5	86.5	Max. traction : 51 kgf	
Power Factor	0.52	0.66	0.75	Max. compression : 70 kgf	
	<u>Drive end</u> Bearing type : 6205 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> Bearing type : 6204 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM		
Notes: USABLE @208V 4.50A SF 1.00 SFA 4.50A					
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.		
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LOAD PERFORMANCE CURVE

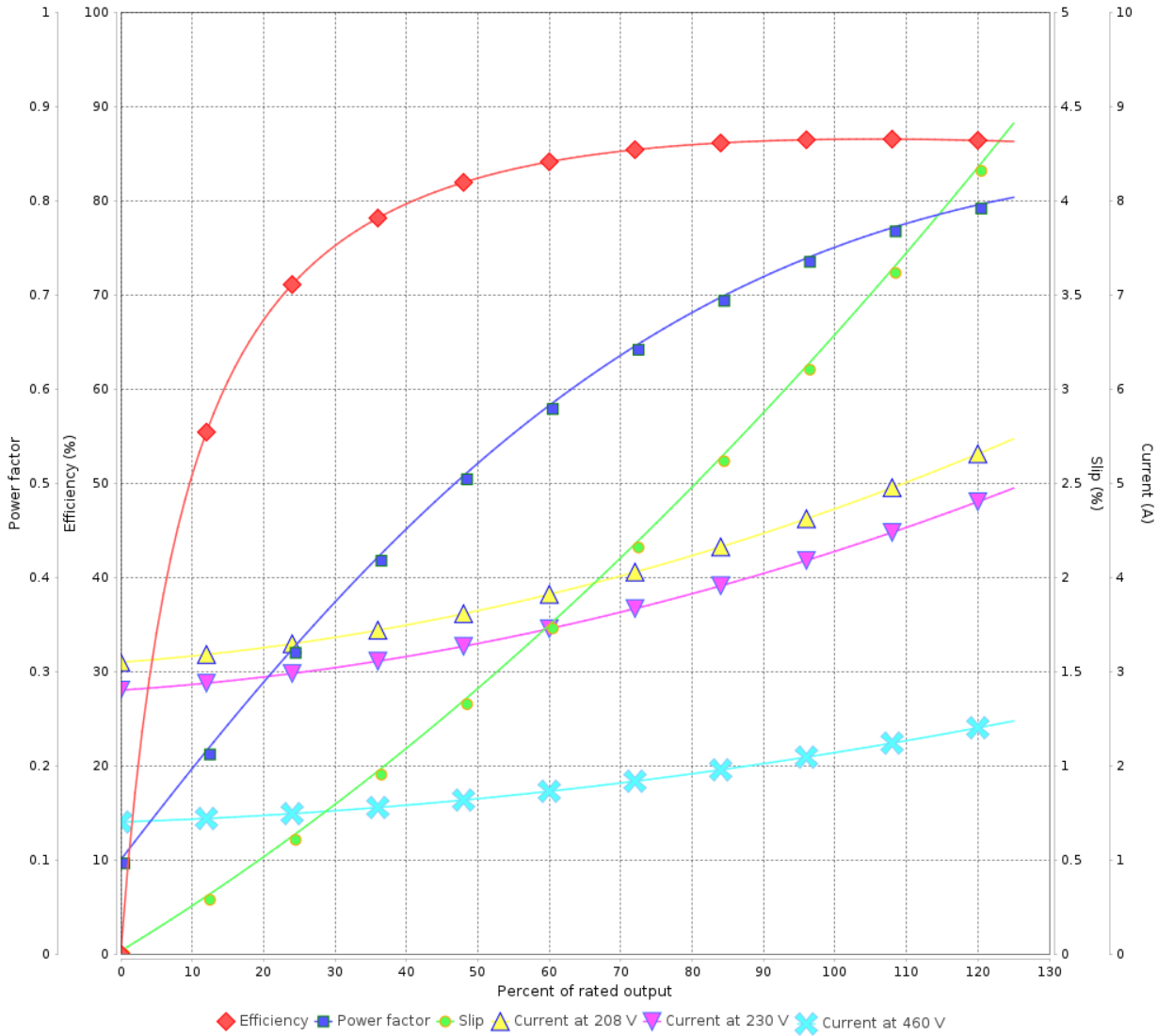
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Performance : 230/460 V 60 Hz 4P

Rated current : 4.40/2.20 A
 LRC : 9.0
 Rated torque : 0.626 kgfm
 Locked rotor torque : 360 %
 Breakdown torque : 340 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0067 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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Date	19/03/2024			