

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : General Single-Phase			Product code : 10022074			
Frame : B56 Output : 0.5 HP (0.37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 7.44/3.60-3.72 A L. R. Amperes : 43.2/20.9-21.6 A LRC : 5.8x(Code L) No load current : 6.00/2.59-3.00 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 0.207 kgfm Locked rotor torque : 290 % Breakdown torque : 270 % Insulation class : B Service factor : 1.15 Moment of inertia (J) : 0.0034 kgm ²	Locked rotor time : 10s (cold) 6s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 10.9 kg					
Output	25%	50%	75%	100%	Foundation loads Max. traction : 12 kgf Max. compression : 23 kgf	
Efficiency (%)	53.8	56.0	64.0	66.5		
Power Factor	0.25	0.46	0.57	0.65		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6203 ZZ		6202 ZZ		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil 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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Date	14/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

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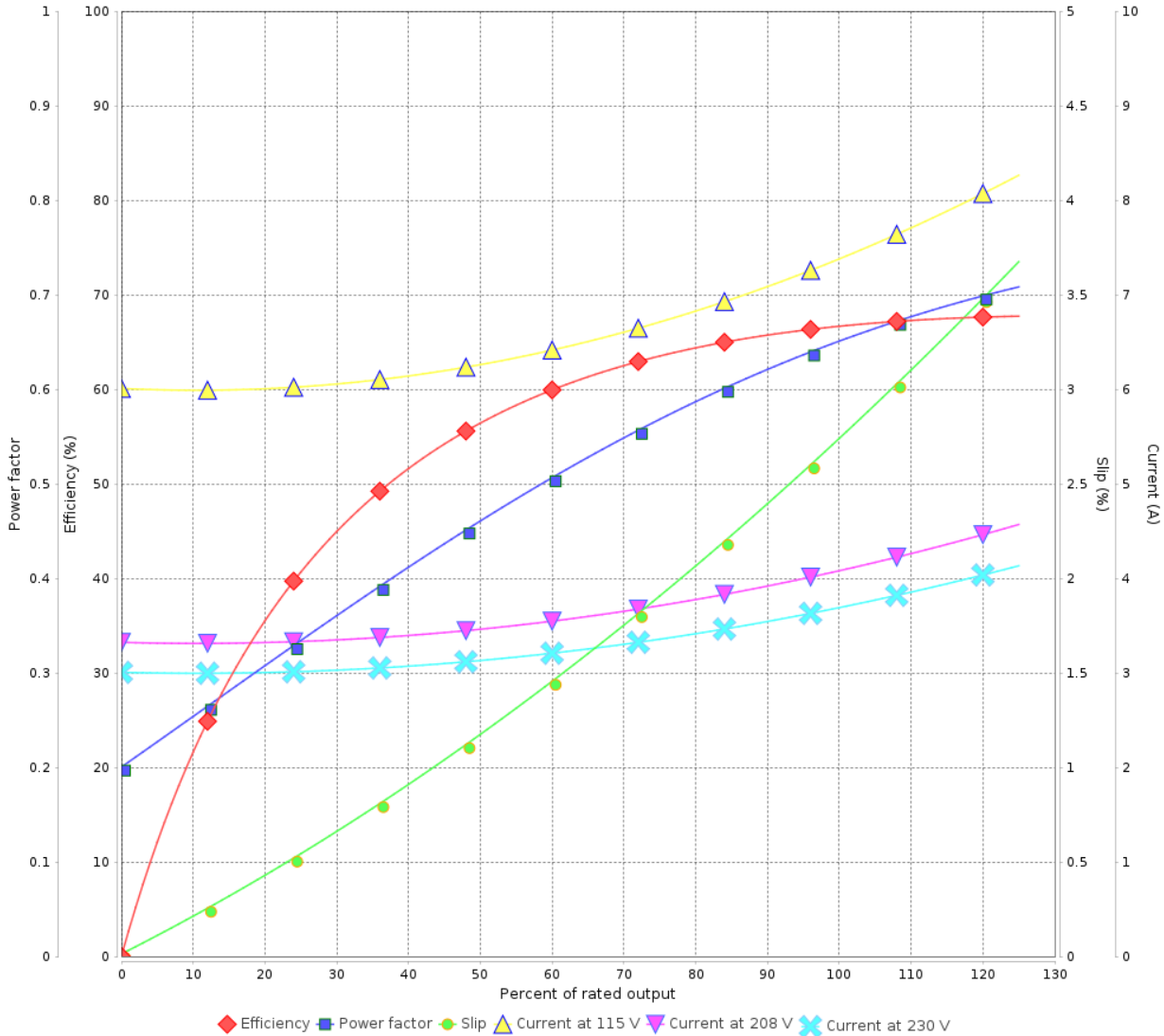


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Performance : 115/208-230 V 60 Hz 4P

Rated current : 7.44/3.60-3.72 A
 LRC : 5.8
 Rated torque : 0.207 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 270 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0034 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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