

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Centrifugal Pump Single-Phase Start Capacitor			Product code : 10749051			
Frame : B56J Output : 0.5 HP (0.37 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 7.60/3.80-3.80 A L. R. Amperes : 42.6/21.3-21.3 A LRC : 5.6x(Code L) No load current : 5.60/2.41-2.80 A Rated speed : 3480 rpm Slip : 3.33 % Rated torque : 0.104 kgfm Locked rotor torque : 320 % Breakdown torque : 280 % Insulation class : B Service factor : 1.15 Moment of inertia (J) : 0.0013 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 : CCW Noise level ² : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 11.2 kg					
Output	25%	50%	75%	100%	Foundation loads Max. traction : 3 kgf Max. compression : 15 kgf	
Efficiency (%)	41.2	45.0	52.0	58.0		
Power Factor	0.33	0.56	0.66	0.73		
Bearing type	:	<u>Drive end</u> 6203 2RS		<u>Non drive end</u> 6202 2RS		
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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LOAD PERFORMANCE CURVE

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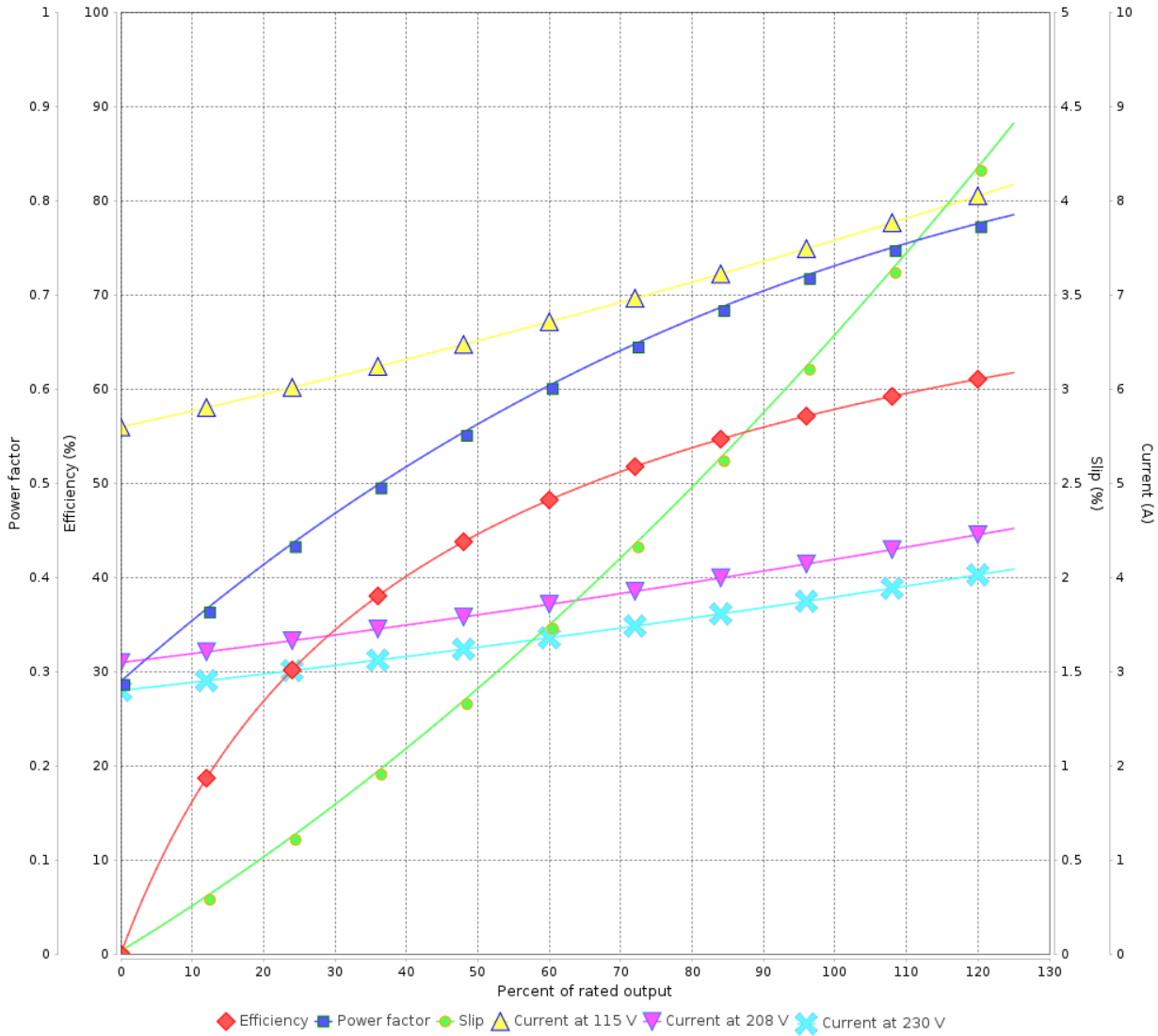


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Performance : 115/208-230 V 60 Hz 2P

Rated current : 7.60/3.80-3.80 A
 LRC : 5.6
 Rated torque : 0.104 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 280 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0013 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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