

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10749078	
Frame	: B56J		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.75 HP (0.55 kW)		Temperature rise	: 80 K	
Poles	: 2		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 115/208-230 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 10.4/5.00-5.20 A		Protection degree	: IP55	
L. R. Amperes	: 65.5/31.5-32.8 A		Cooling method	: IC411 - TEFC	
LRC	: 6.3x(Code K)		Mounting	: F-1	
No load current	: 7.60/3.28-3.80 A		Rotation ¹	: CCW	
Rated speed	: 3490 rpm		Noise level ²	: 55.0 dB(A)	
Slip	: 3.06 %		Starting method	: Direct On Line	
Rated torque	: 0.157 kgfm		Approx. weight ³	: 12.7 kg	
Locked rotor torque	: 300 %				
Breakdown torque	: 290 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0017 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	52.0	60.0	64.0	Max. traction : 8 kgf	
Power Factor	0.54	0.64	0.72	Max. compression : 20 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 2RS		6202 2RS	
Sealing	:	V'Ring		V'Ring	
Lubrication interval	:	-		-	
Lubricant amount	:	-		-	
Lubricant type	:	Mobil Polyrex EM			
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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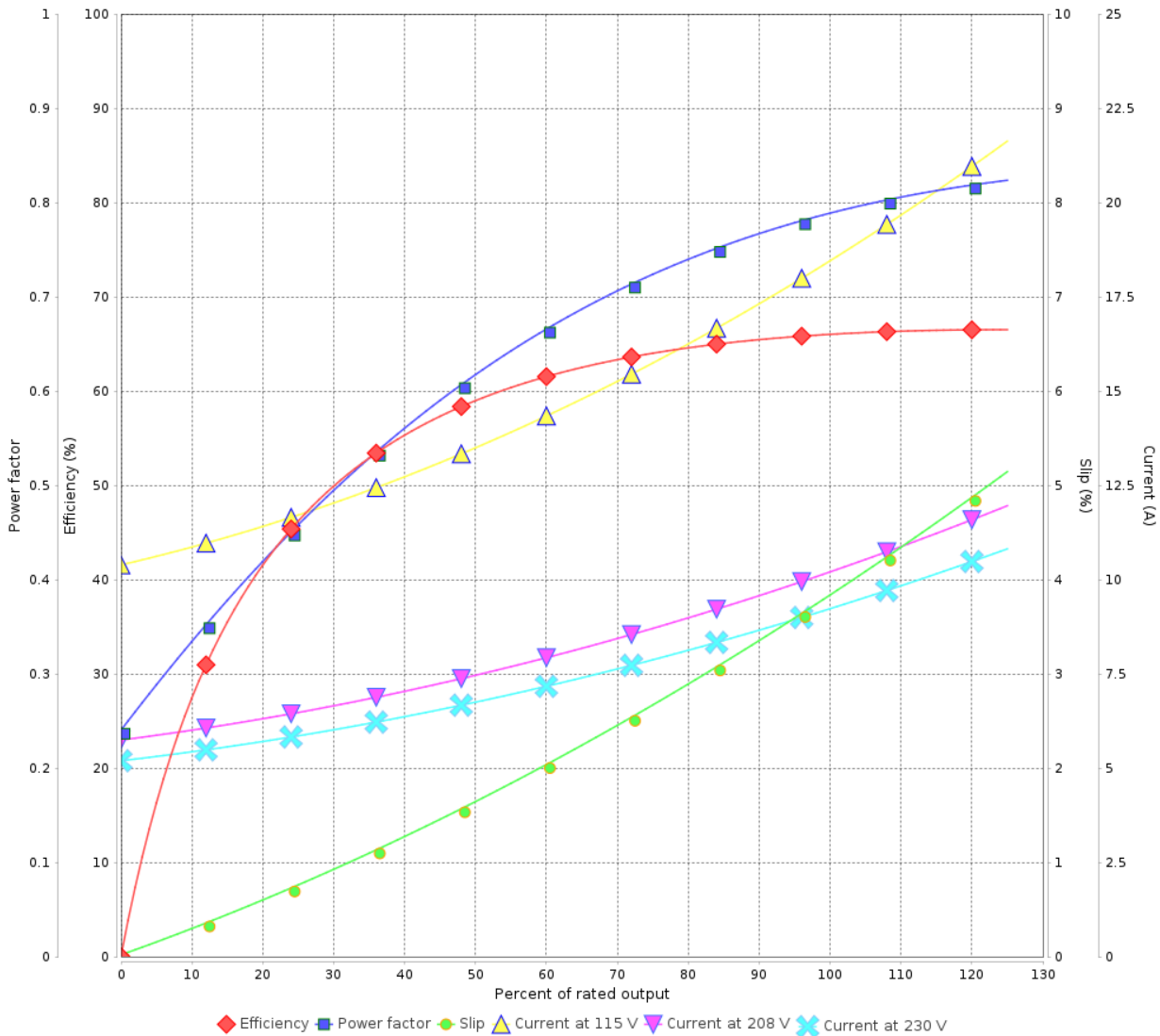
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10749078

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

Rated current	: 10.4/5.00-5.20 A	Moment of inertia (J)	: 0.0017 kgm ²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.157 kgfm	Insulation class	: B
Locked rotor torque	: 300 %	Service factor	:
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3490 rpm		

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