

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10678049		
Frame	: D56C		Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 1.5 HP (1.1 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	: 17.1/8.80-8.55 A		Protection degree	: IP55		
L. R. Amperes	: 116/59.8-58.1 A		Cooling method	: IC411 - TEFC		
LRC	: 6.8x(Code K)		Mounting	: F-1		
No load current	: 10.8/4.66-5.40 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3480 rpm		Noise level ²	: 55.0 dB(A)		
Slip	: 3.33 %		Starting method	: Direct On Line		
Rated torque	: 0.313 kgfm		Approx. weight ³	: 16.3 kg		
Locked rotor torque	: 250 %					
Breakdown torque	: 250 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0025 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	62.0	69.0	70.0	Max. traction : 17 kgf		
Power Factor	0.61	0.72	0.80	Max. compression : 33 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6204 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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LOAD PERFORMANCE CURVE

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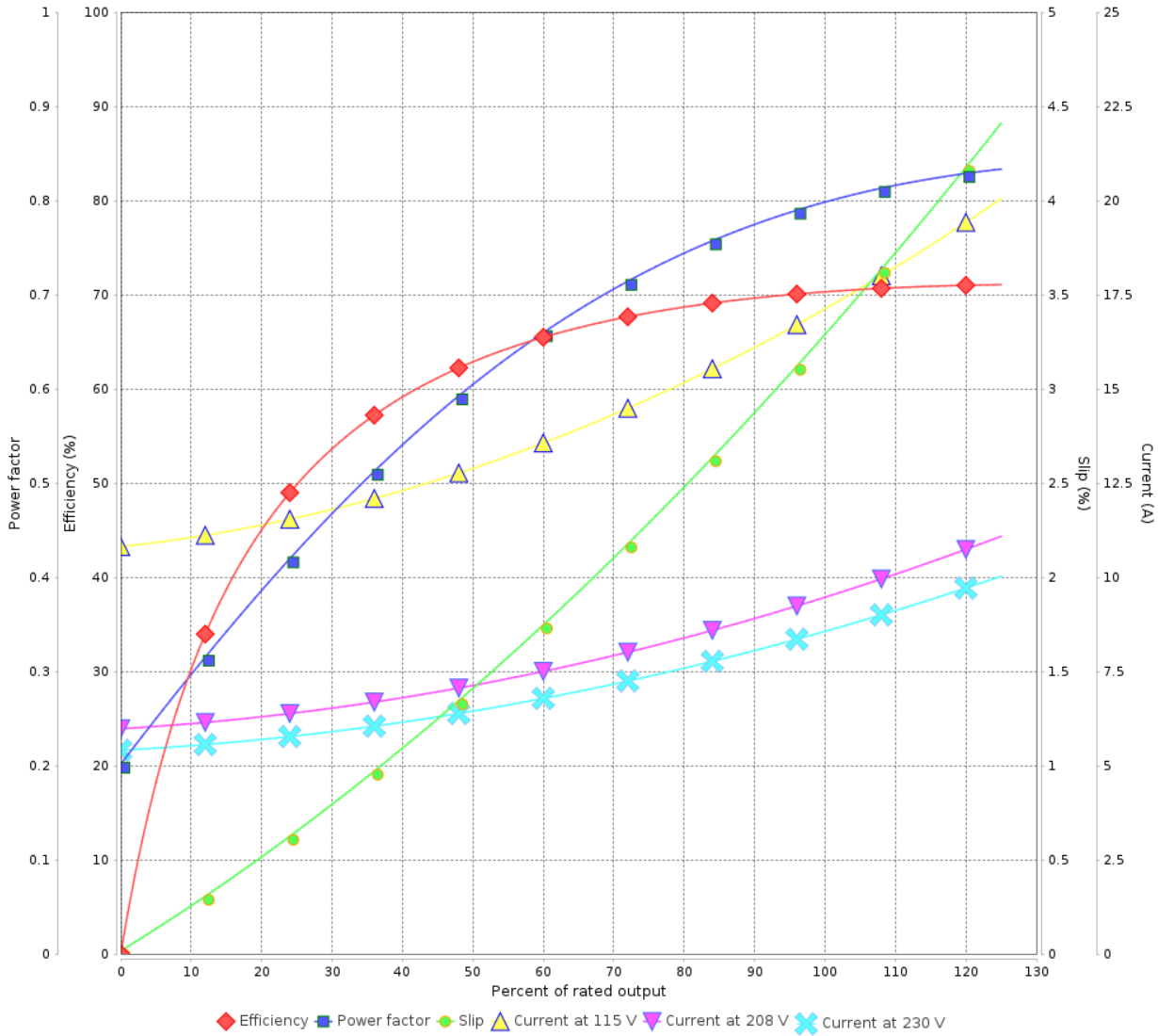


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10678049

LOAD PERFORMANCE CURVE



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

Rated current : 17.1/8.80-8.55 A
 LRC : 6.8
 Rated torque : 0.313 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 250 %
 Rated speed : 3480 rpm

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

Rev.	Changes Summary	Performed	Checked	Date
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