

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code :	12024231	
Frame	:	B56J		Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	0.75 HP (0.55 kW)		Temperature rise	: 80 K	
Poles	:	4		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	:	10.6/5.20-5.30 A		Protection degree	: IP55	
L. R. Amperes	:	65.7/32.2-32.9 A		Cooling method	: IC411 - TEFC	
LRC	:	6.2x(Code M)		Mounting	: F-1	
No load current	:	8.00/0.000-4.00 A		Rotation ¹	: CCW	
Rated speed	:	1745 rpm		Noise level ²	: 55.0 dB(A)	
Slip	:	3.06 %		Starting method	: Direct On Line	
Rated torque	:	0.312 kgfm		Approx. weight ³	: 12.6 kg	
Locked rotor torque	:	300 %				
Breakdown torque	:	250 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0041 kgm ²				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	58.5	66.0	68.5	Max. traction	: 18 kgf
Power Factor	0.00	0.47	0.58	0.66	Max. compression	: 31 kgf
Bearing type	:	<u>Drive end</u> 6203 2RS		<u>Non drive end</u> 6202 2RS		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	0 h		0 h		
Lubricant amount	:	0 g		0 g		
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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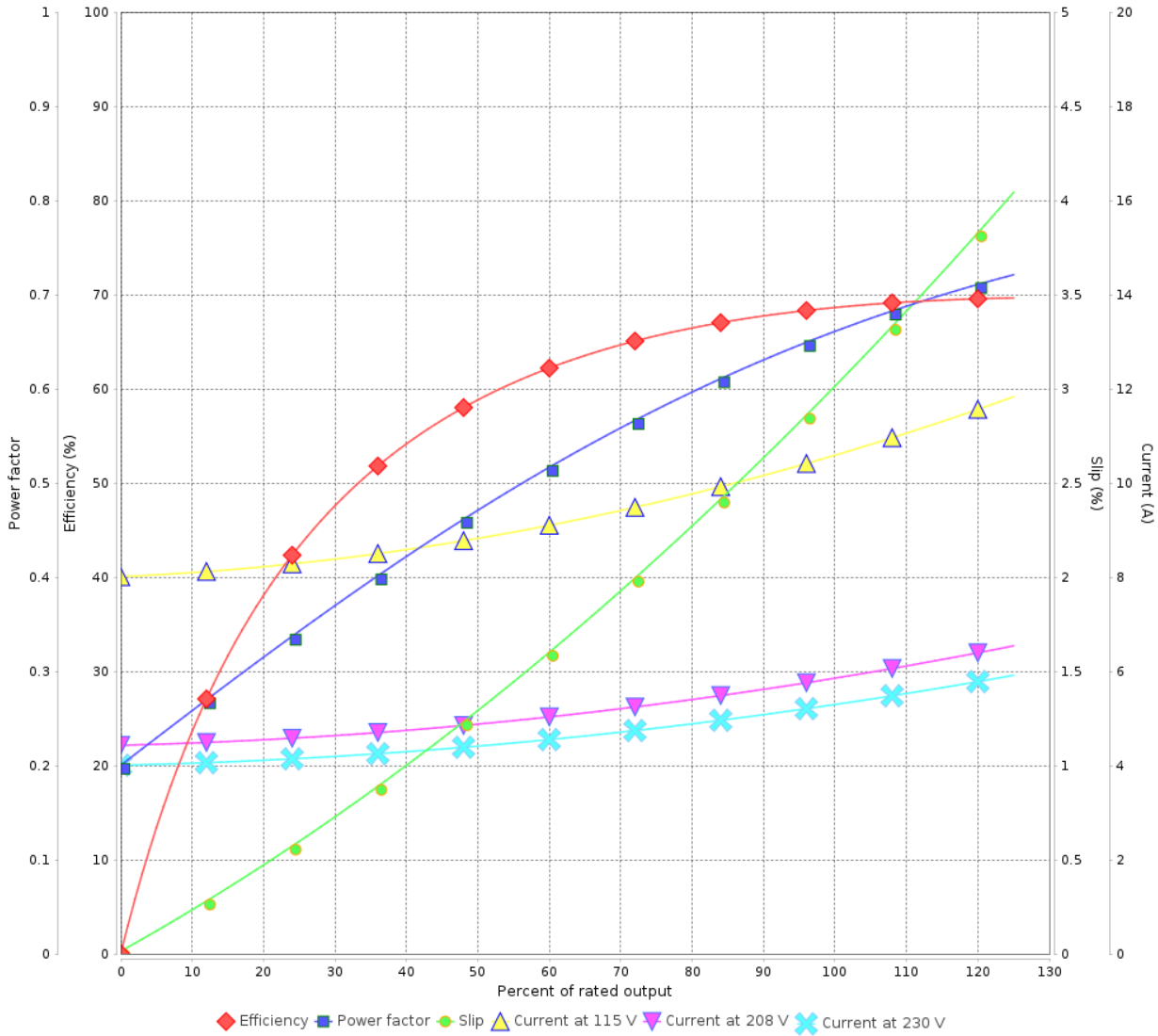


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 12024231

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

Rated current : 10.6/5.20-5.30 A
 LRC : 6.2
 Rated torque : 0.312 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 250 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0041 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

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