

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

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
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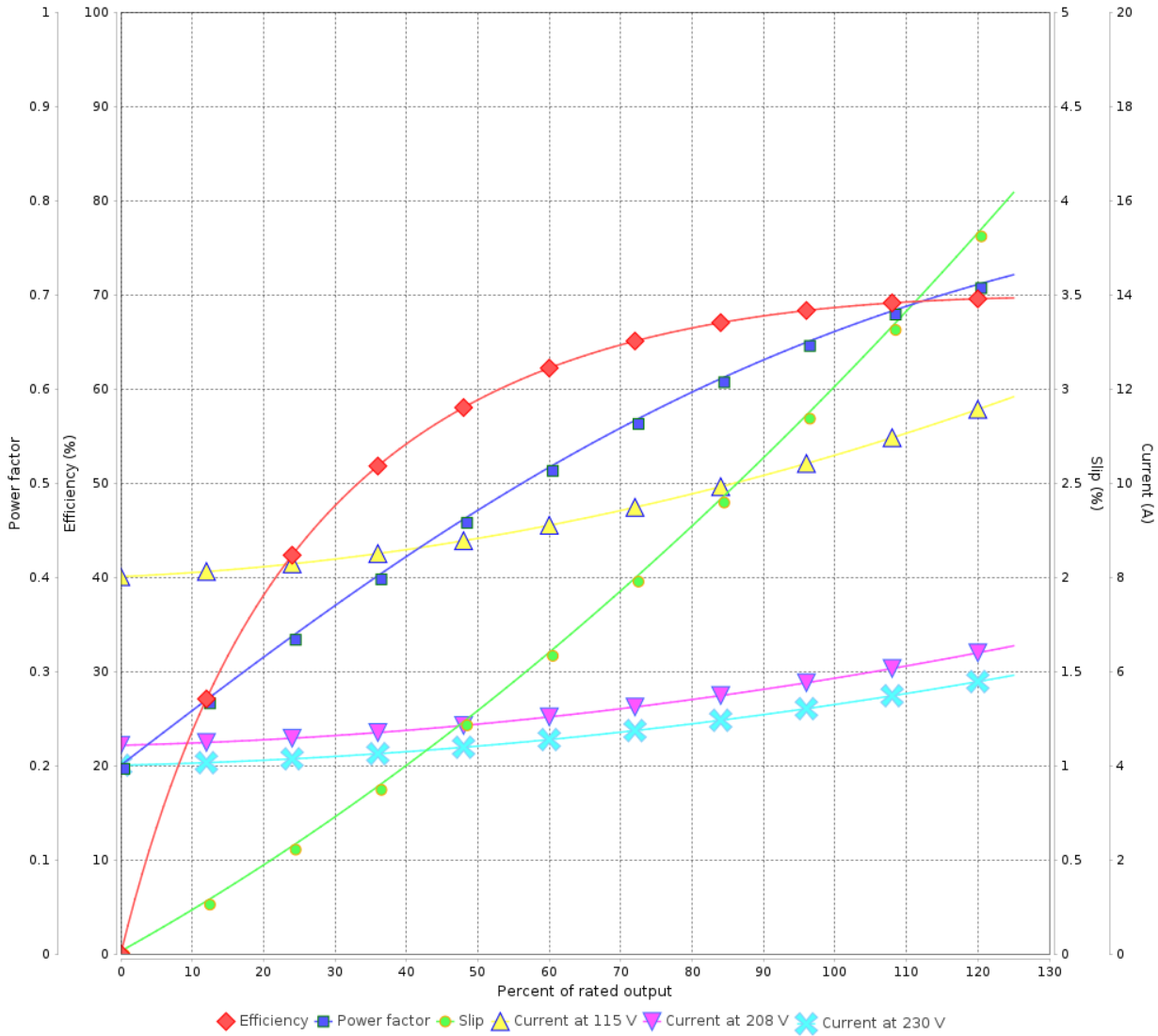
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 12024231

LOAD PERFORMANCE CURVE



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

Rev.	Changes Summary	Performed	Checked	Date
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Date				