

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10611229

Frame	: E56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1 HP (0.75 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	: 13.6/6.80-6.80 A	Protection degree	: IP21
L. R. Amperes	: 95.2/47.6-47.6 A	Cooling method	: IC01 - ODP
LRC	: 7.0x(Code M)	Mounting	: F-1
No load current	: 9.70/4.18-4.85 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3520 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 2.22 %	Vibration	: Not Applicable
Rated torque	: 0 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 280 %	Approx. weight ³	: 16.0 kg
Breakdown torque	: 290 %		: 207N (ISO 12944 - C2)
Insulation class	: B		: Munsell N 1 - Matte
Service factor	: 1.40		
Moment of inertia (J)	: 0.0018 kgm ²		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	54.5	62.1	66.3	Max. traction : 0 kgf
Power Factor	0.53	0.63	0.71	Max. compression : 0 kgf

	Drive end	Non drive end
Bearing type	: 6203 2RS	: 6203 2RS
Sealing	: Without Bearing Seal	: Without Bearing Seal
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
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LOAD PERFORMANCE CURVE

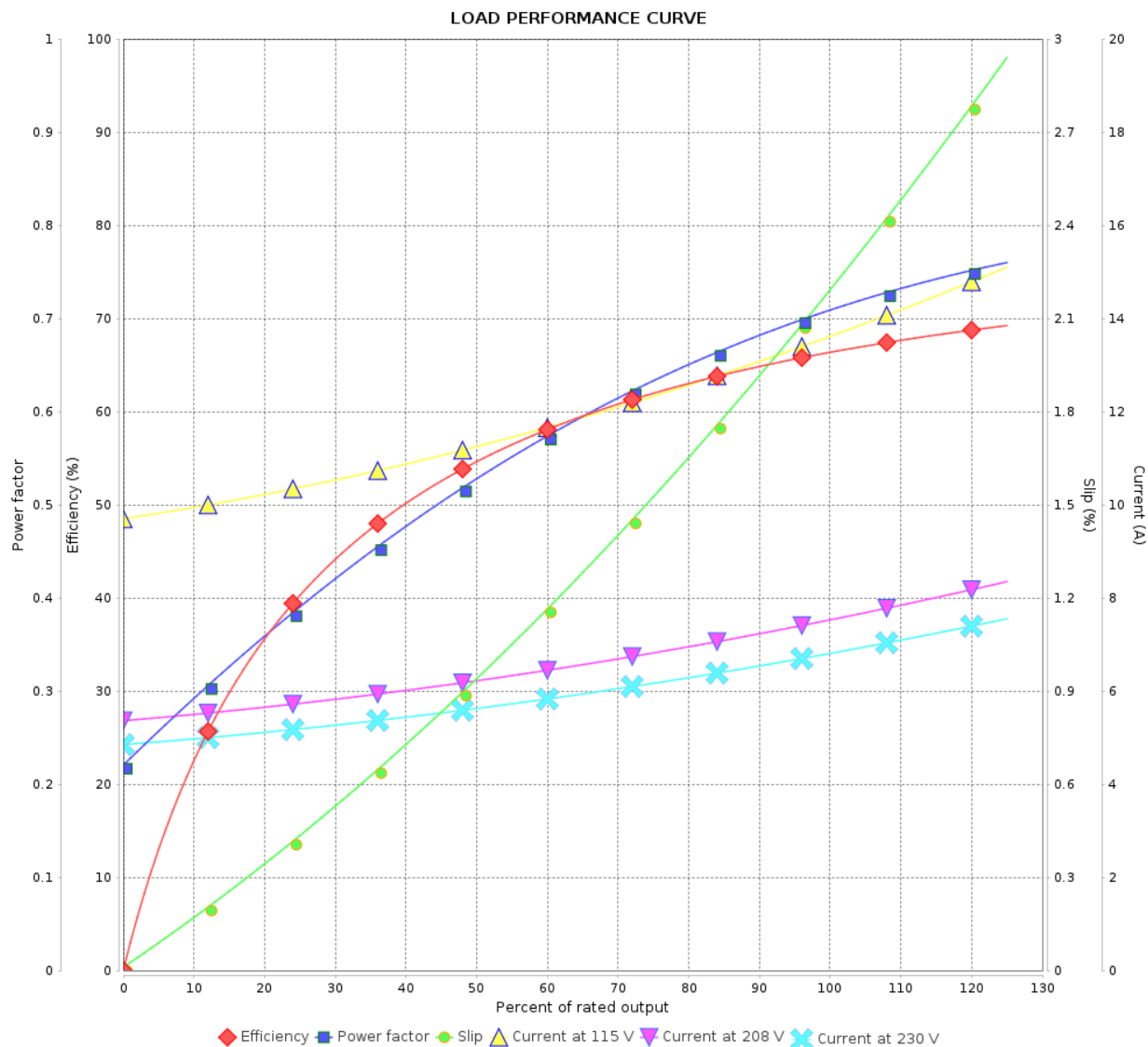
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Customer :

Product line : Centrifugal Pump Single-Phase
Start Capacitor

Product code : 10611229



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

Rated current : 13.6/6.80-6.80 A
LRC : 7.0
Rated torque : 0 kgfm
Locked rotor torque : 280 %
Breakdown torque : 290 %
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0018 kgm²
Duty cycle : Cont.(S1)
Insulation class : B
Service factor :
Temperature rise : 80 K

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