

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase Product code : 14009860

Frame	: 56C	Locked rotor time	: 18s (cold) 10s (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	: 12.4/6.86-6.20 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 102/56.3-50.8 A	Mounting	: F-1
LRC	: 8.2x(Code J)	Rotation ¹	: CCW
No load current	: 3.20/1.38-1.60 A	Noise level ²	: 58.0 dB(A)
Rated speed	: 3500 rpm	Vibration	: A
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0 kgfm	Approx. weight ³	: 14.5 kg
Locked rotor torque	: 260 %		: 207N (ISO 12944 - C2)
Breakdown torque	: 270 %		: Munsell N 1 - Matte
Insulation class	: F	Design	: L
Service factor	: 1.30		
Moment of inertia (J)	: 0.0027 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	73.0	79.0	81.5	Max. traction	: 19 kgf
Power Factor	0.92	0.95	0.95	Max. compression	: 34 kgf

	Drive end	Non drive end
Bearing type	: 6203 2RS	: 6202 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.

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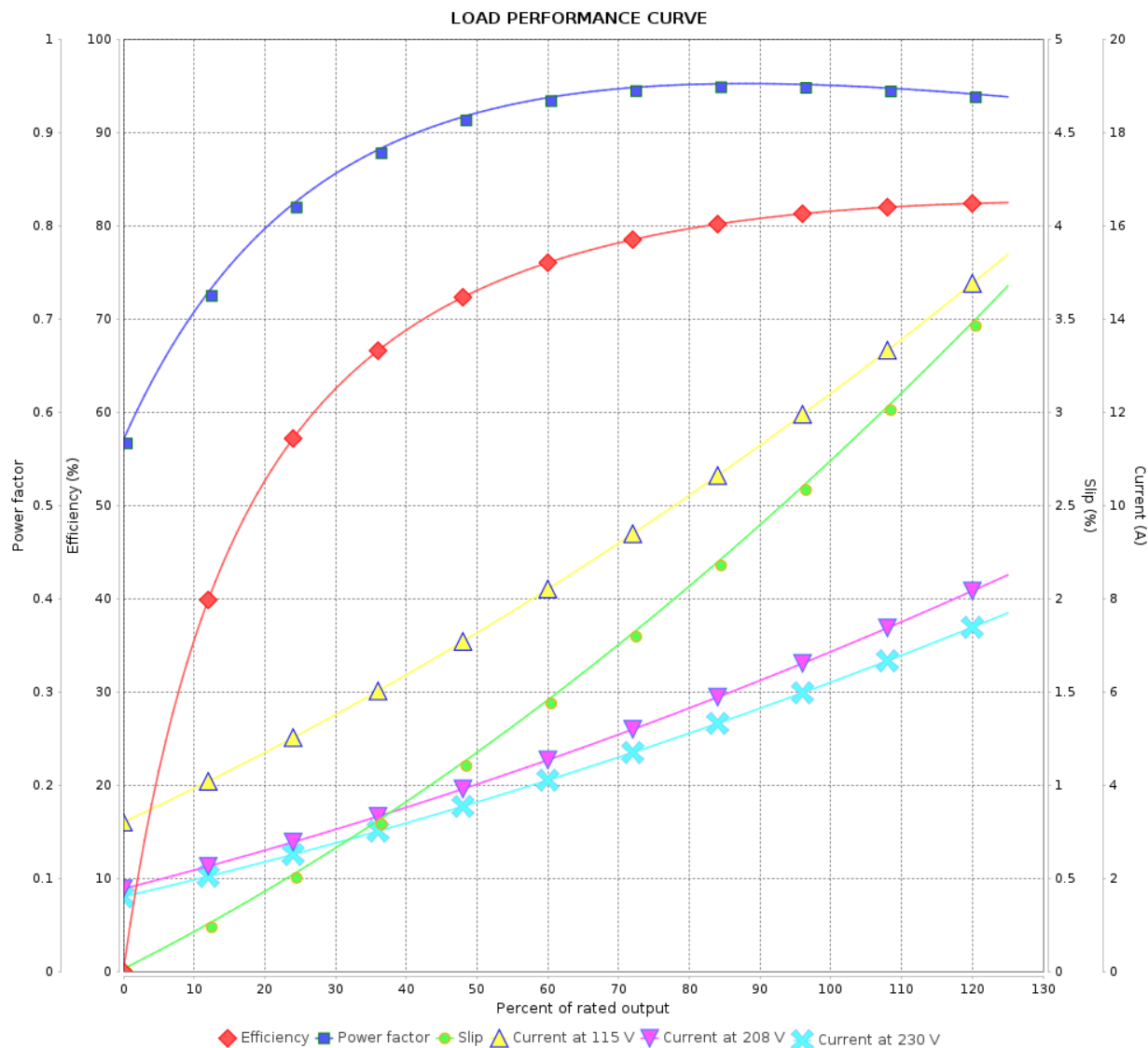
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type
Single-Phase

Product code : 14009860



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

Rated current : 12.4/6.86-6.20 A
LRC : 8.2
Rated torque : 0 kgfm
Locked rotor torque : 260 %
Breakdown torque : 270 %
Rated speed : 3500 rpm

Moment of inertia (J) : 0.0027 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : L

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