

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase Product code : 14580088

Frame	: W56C	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 0.5 HP (0.37 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	: 4.80/2.65-2.40 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 3.84/2.12-1.92 A	Mounting	: F-1
LRC	: 0.8x(Code A)	Rotation ¹	: CCW
No load current	: 1.60/0.690-0.800 A	Noise level ²	: 56.0 dB(A)
Rated speed	: 3510 rpm	Vibration	: A
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 0 kgfm	Approx. weight ³	: 8.8 kg
Locked rotor torque	: 270 %	Painting plan	: 207N (ISO 12944 - C2)
Breakdown torque	: 300 %	Color	: Munsell N 1 - Matte
Insulation class	: F	Design	: N
Service factor	: 1.60		
Moment of inertia (J)	: 0.0011 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	60.0	68.0	72.4	Max. traction	: 5 kgf
Power Factor	0.90	0.93	0.94	Max. compression	: 14 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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LOAD PERFORMANCE CURVE

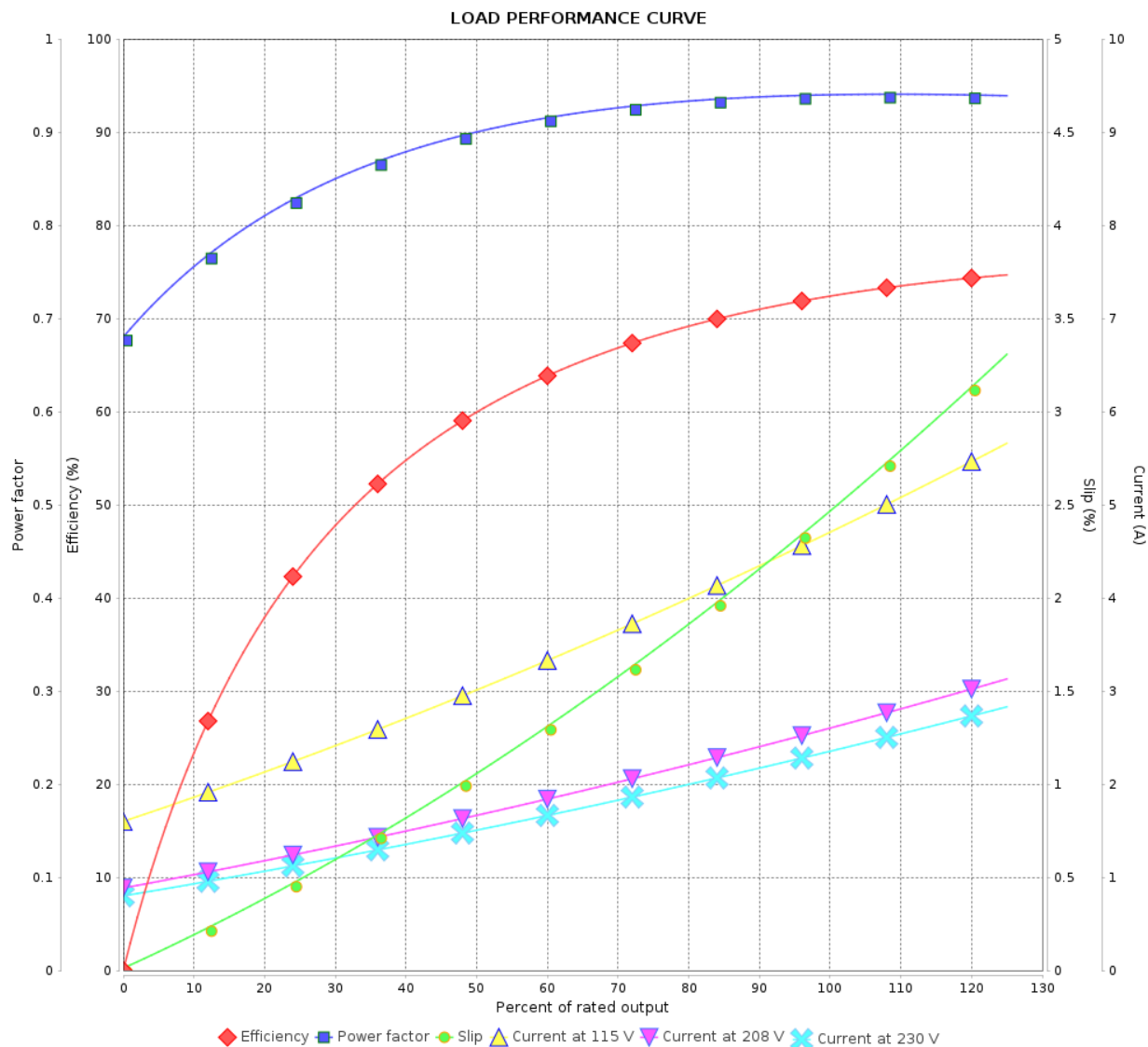
Single Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14580088



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

Rated current : 4.80/2.65-2.40 A
LRC : 0.8
Rated torque : 0 kgfm
Locked rotor torque : 270 %
Breakdown torque : 300 %
Rated speed : 3510 rpm

Moment of inertia (J) : 0.0011 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : N

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