

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Single-Phase Product code : 17996456

Frame	: W56J	Locked rotor time	: 19s (cold) 11s (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	: 4.78/2.64-2.39 A	Protection degree	: IP55
L. R. Amperes	: 40.6/22.4-20.3 A	Cooling method	: IC411 - TEFC
LRC	: 8.5x(Code L)	Mounting	: F-1
No load current	: 1.40/0.604-0.700 A	Rotation ¹	: CCW
Rated speed	: 3510 rpm	Noise level ²	: 66.0 dB(A)
Slip	: 2.50 %	Vibration	: A
Rated torque	: 0 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Approx. weight ³	: 9.8 kg
Breakdown torque	: 300 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: Munsell N 1 - Matte
Service factor	: 1.15	Design	: N
Moment of inertia (J)	: 0.0012 kgm ²		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	64.0	70.0	74.0	Max. traction : 5 kgf
Power Factor	0.00	0.85	0.88	0.91	Max. compression : 14 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
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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LOAD PERFORMANCE CURVE

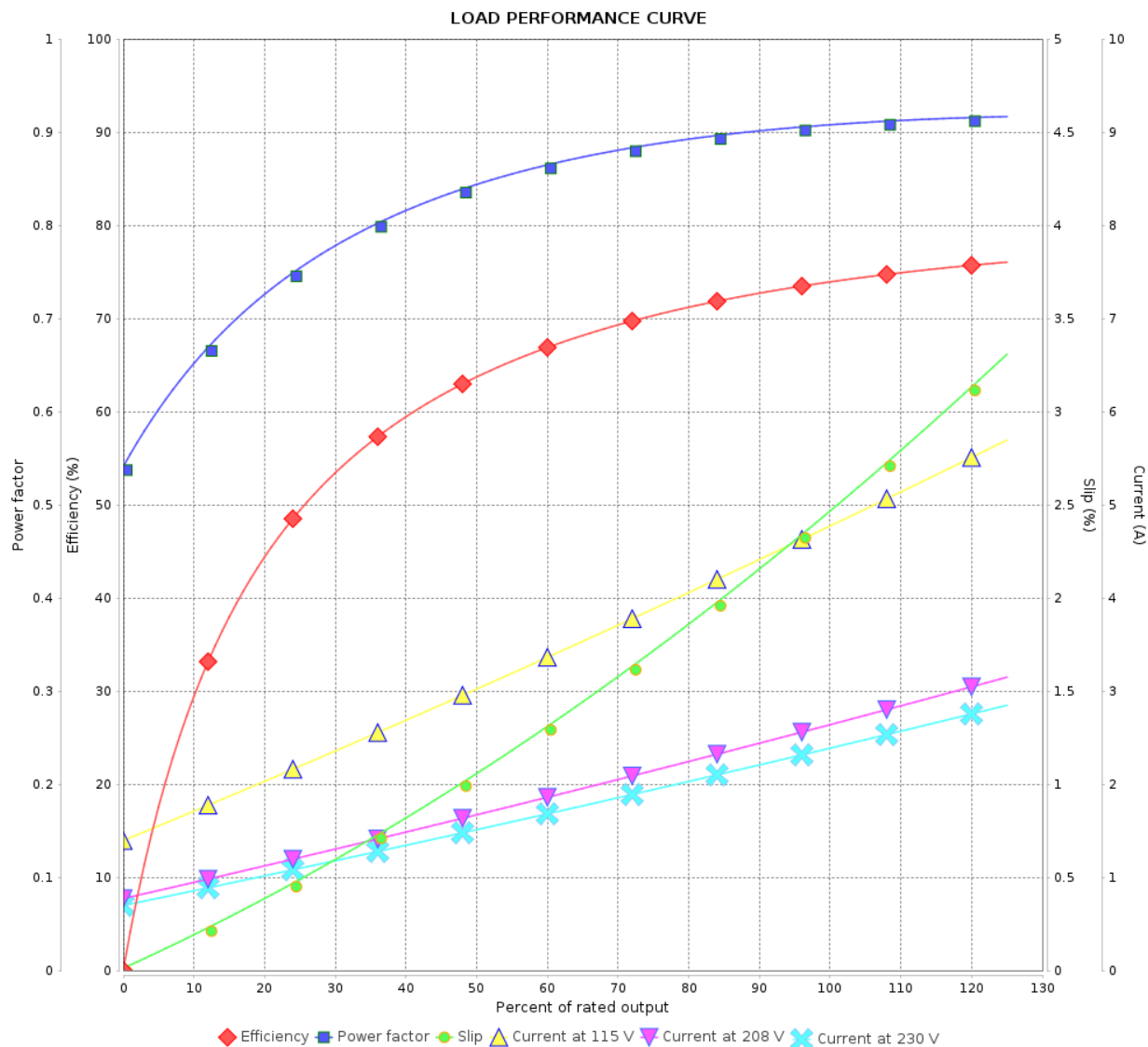
Single Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 17996456



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

Rated current : 4.78/2.64-2.39 A
LRC : 8.5
Rated torque : 0 kgfm
Locked rotor torque : 260 %
Breakdown torque : 300 %
Rated speed : 3510 rpm

Moment of inertia (J) : 0.0012 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : N

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