

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty
Single-Phase

Product code : 13470997

Catalog # : 00236OS1BCD56-S

Frame : 56H
Output : 2 HP (1.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 17.8/9.50-8.90 A
L. R. Amperes : 121/64.6-60.5 A
LRC : 6.8x(Code H)
No load current : 7.80/3.36-3.90 A
Rated speed : 3480 rpm
Slip : 3.33 %
Rated torque : 3.02 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0551 sq.ft.lb
Design : L

Locked rotor time : 14s (cold) 8s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 0.0 lb

Output 50% 75% 100%

Efficiency (%) 69.8 75.8 77.5
Power Factor 0.86 0.92 0.94

Foundation loads

Max. traction : 52 lb
Max. compression : 83 lb

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 ZZ
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

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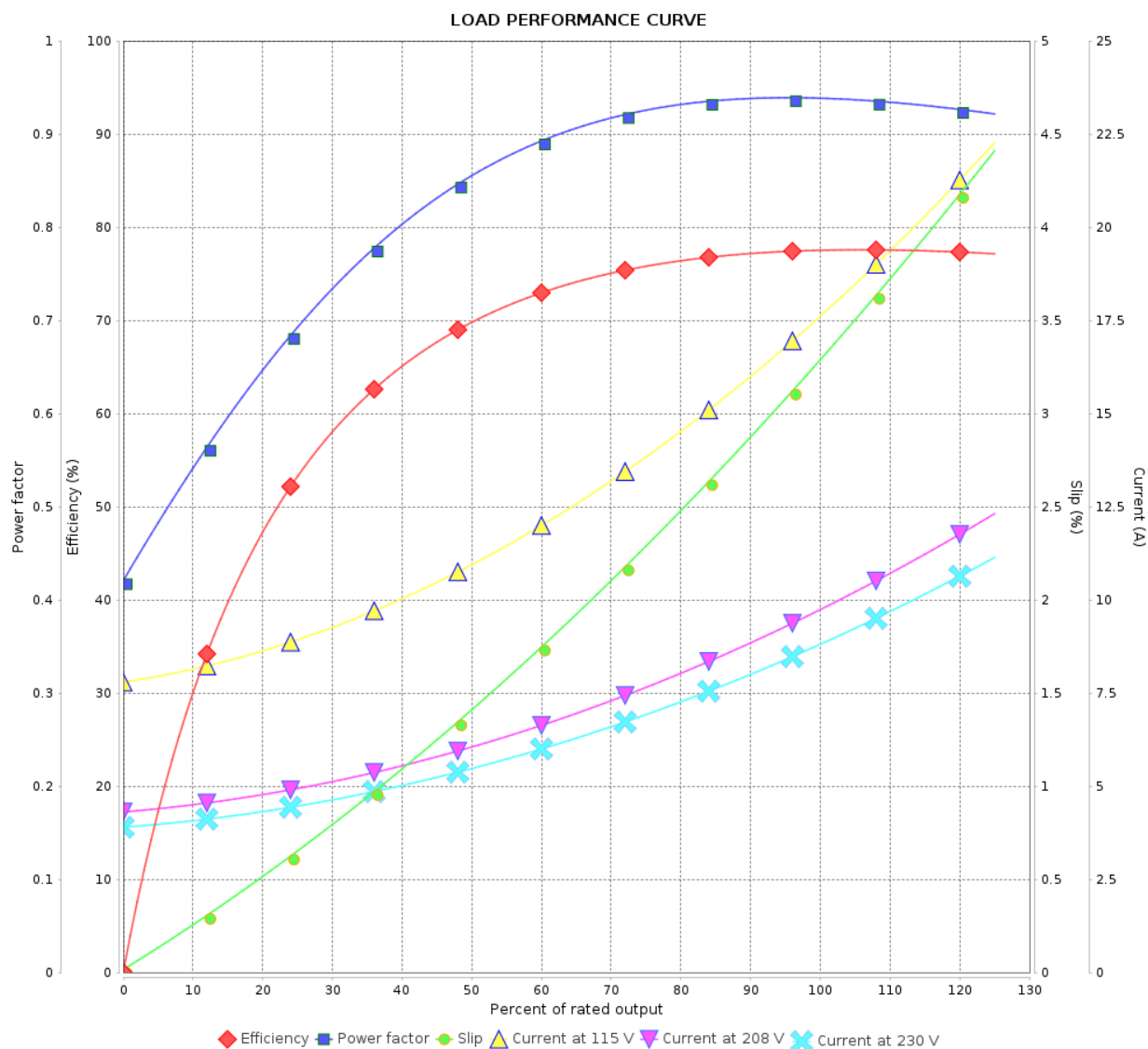


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