

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 14797714
Catalog # : .7536ES1B56C-S

Frame : 56C
Output : 0.75 HP (0.55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 8.00/4.42-4.00 A
L. R. Amperes : 64.0/35.4-32.0 A
LRC : 8.0x(Code L)
No load current : 4.00/1.72-2.00 A
Rated speed : 3500 rpm
Slip : 2.78 %
Rated torque : 1.13 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0394 sq.ft.lb
Design : N

Locked rotor time : 18s (cold) 10s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 68.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 26.5 lb

Output	50%	75%	100%
Efficiency (%)	52.0	62.0	66.0
Power Factor	0.81	0.87	0.91

Foundation loads
Max. traction : 19 lb
Max. compression : 45 lb

	Drive end	Non drive end
Bearing type :	6203 ZZ	6202 ZZ
Sealing :	V'Ring	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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Customer :

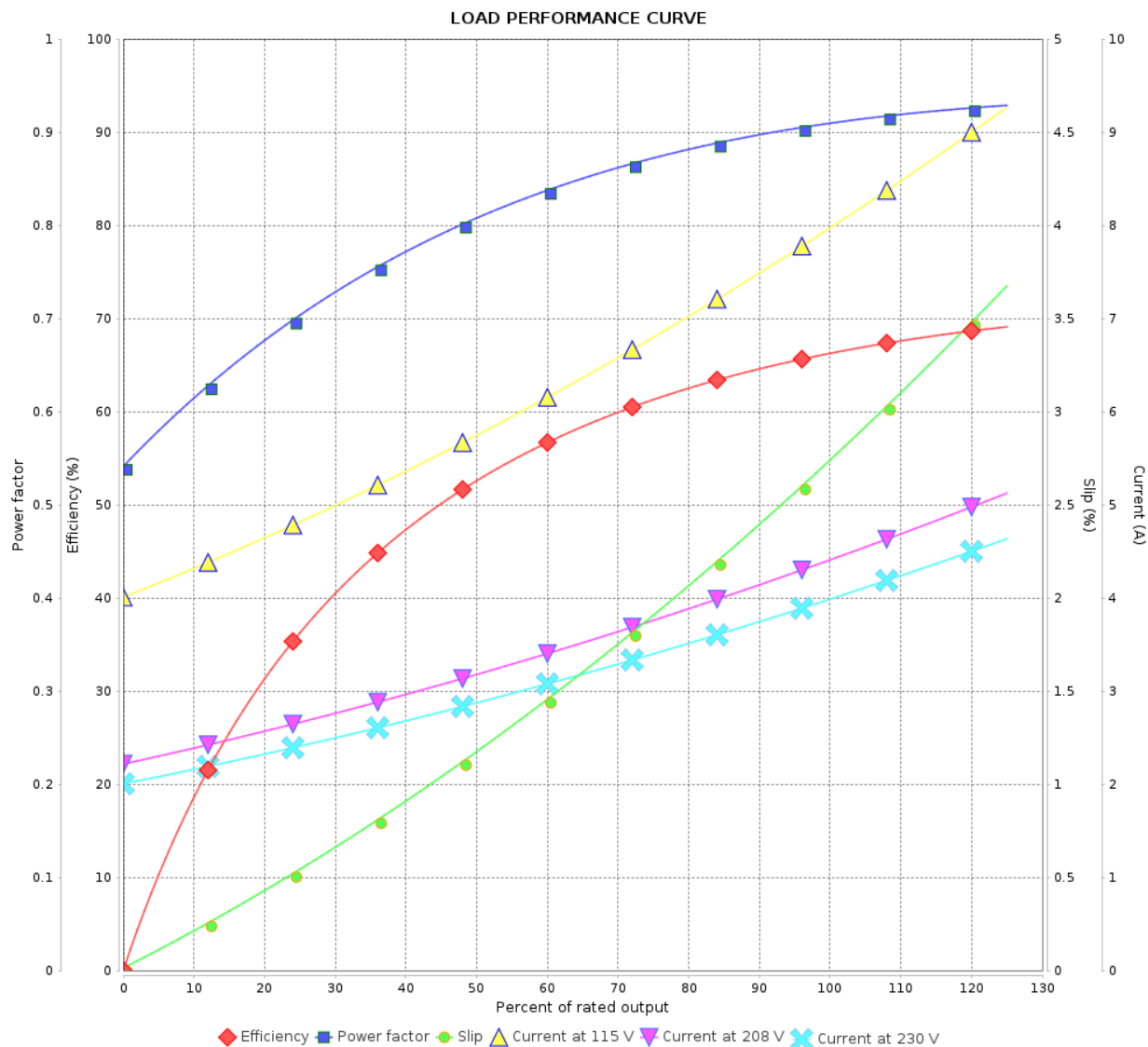
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Product code :

14797714

Catalog # :

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LRC : 8.0
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Locked rotor torque : 280 %
Breakdown torque : 290 %
Rated speed : 3500 rpm

Moment of inertia (J) : 0.0394 sq.ft.lb
Duty cycle : Cont.(S1)
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