

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Farm Duty Single-Phase

Product code : 14795753

Catalog # : 00118ES1RFD56-S

Frame : 56
 Output : 1 HP (0.75 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 115/230 V
 Rated current : 13.6/6.80 A
 L. R. Amperes : 91.1/45.6 A
 LRC : 6.7x(Code M)
 No load current : 9.60/4.80 A
 Rated speed : 1745 rpm
 Slip : 3.06 %
 Rated torque : 3.01 ft.lb
 Locked rotor torque : 280 %
 Breakdown torque : 270 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1037 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.
 Protection degree : IP55
 Cooling method : IC411 - TEFC
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 54.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 33.1 lb

Output	50%	75%	100%
Efficiency (%)	62.0	68.0	71.0
Power Factor	0.48	0.60	0.68

Foundation loads
 Max. traction : 61 lb
 Max. compression : 98 lb

	Drive end	Non drive end
Bearing type	6204 2RS	6202 2RS
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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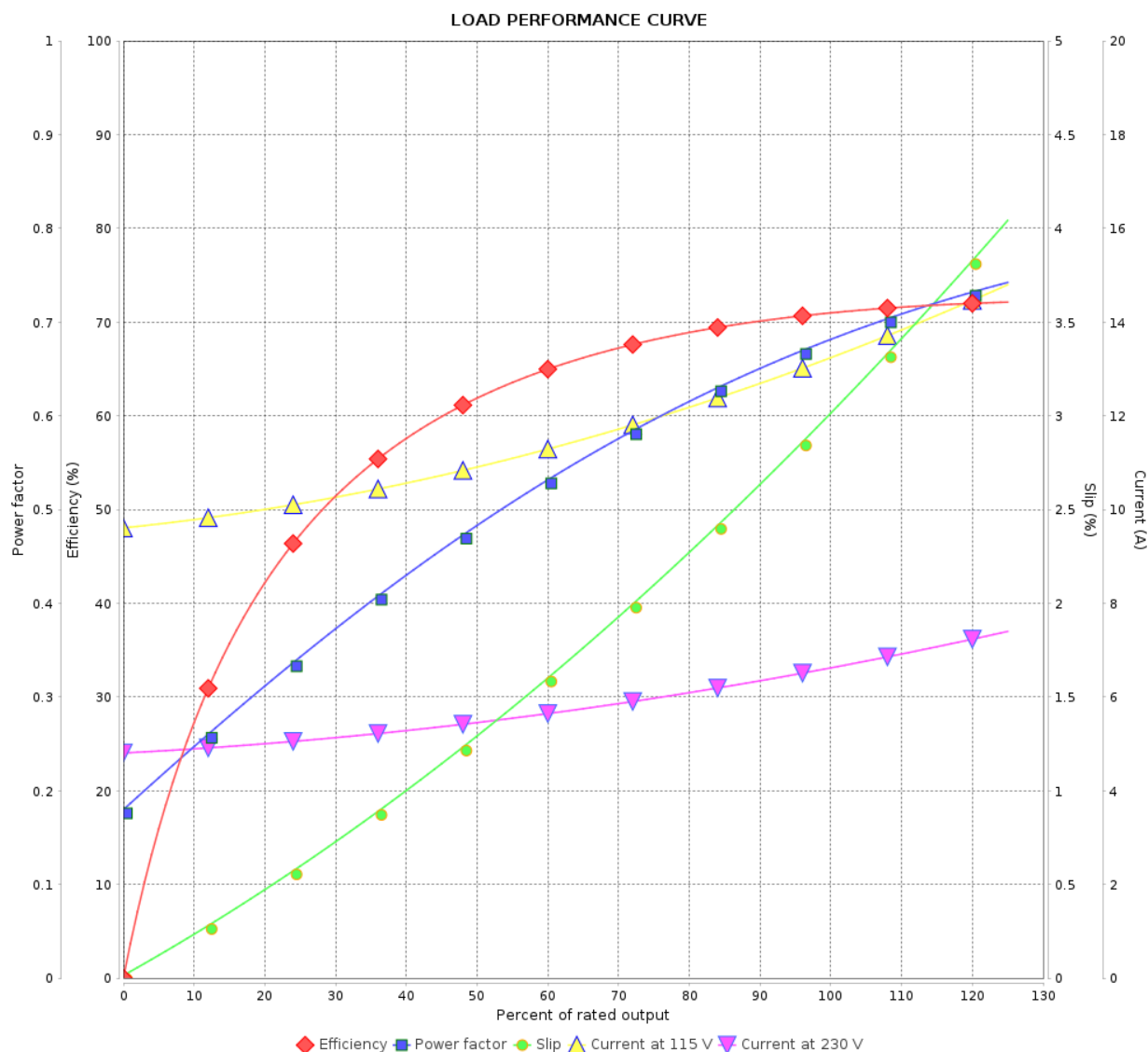


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Product code : 14795753

Catalog # : 00118ES1RFD56-S



Performance : 115/230 V 60 Hz 4P

Rated current : 13.6/6.80 A
LRC : 6.7
Rated torque : 3.01 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 270 %
Rated speed : 1745 rpm

Moment of inertia (J) : 0.1037 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : L

Rev.	Changes Summary		Performed	Checked	Date
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