

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Farm Duty Single-Phase

Product code : 12311417

Frame : D56
 Output : 1 HP (0.75 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 115/230 V
 Rated current : 14.0/7.00 A
 L. R. Amperes : 91.0/45.5 A
 LRC : 6.5x(Code M)
 No load current : 11.5/5.75 A
 Rated speed : 1750 rpm
 Slip : 2.78 %
 Rated torque : 0.415 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 270 %
 Insulation class : B
 Service factor : 1.15
 Moment of inertia (J) : 0.0056 kgm²

Locked rotor time : 10s (cold) 6s (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 : 55.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 15.3 kg

Output	50%	75%	100%
Efficiency (%)	60.0	67.0	70.3
Power Factor	0.45	0.56	0.65

Foundation loads
 Max. traction : 28 kgf
 Max. compression : 43 kgf

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 ZZ
Sealing :	V'Ring	V'Ring
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

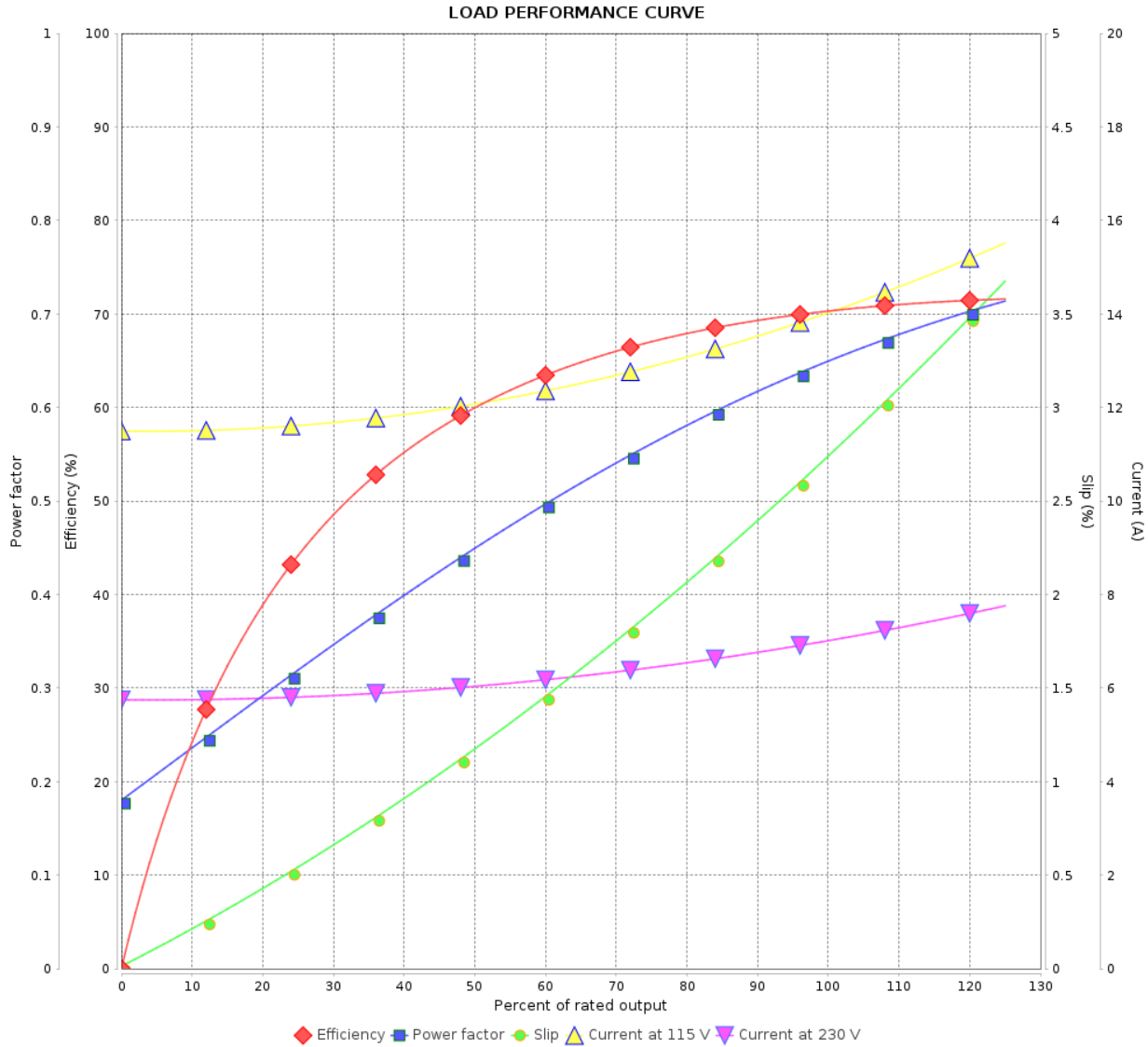
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Rev.	Changes Summary	Performed	Checked	Date
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