

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 14984814

Frame : 143/5T
 Output : 1 HP (0.75 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 10.7/5.50-5.33 A
 L. R. Amperes : 89.5/46.2-44.8 A
 LRC : 8.4x(Code M)
 No load current : 6.40/2.76-3.20 A
 Rated speed : 1665 rpm
 Slip : 7.50 %
 Rated torque : 0.436 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0055 kgm²

Locked rotor time : 12s (cold) 7s (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 : 58.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 27.2 kg

Output	50%	75%	100%
Efficiency (%)	59.0	68.0	72.0
Power Factor	0.69	0.79	0.85

Foundation loads
 Max. traction : 23 kgf
 Max. compression : 51 kgf

	Drive end	Non drive end
Bearing type	6205 ZZ	6203 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.

Rev.	Changes Summary	Performed	Checked	Date
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LOAD PERFORMANCE CURVE

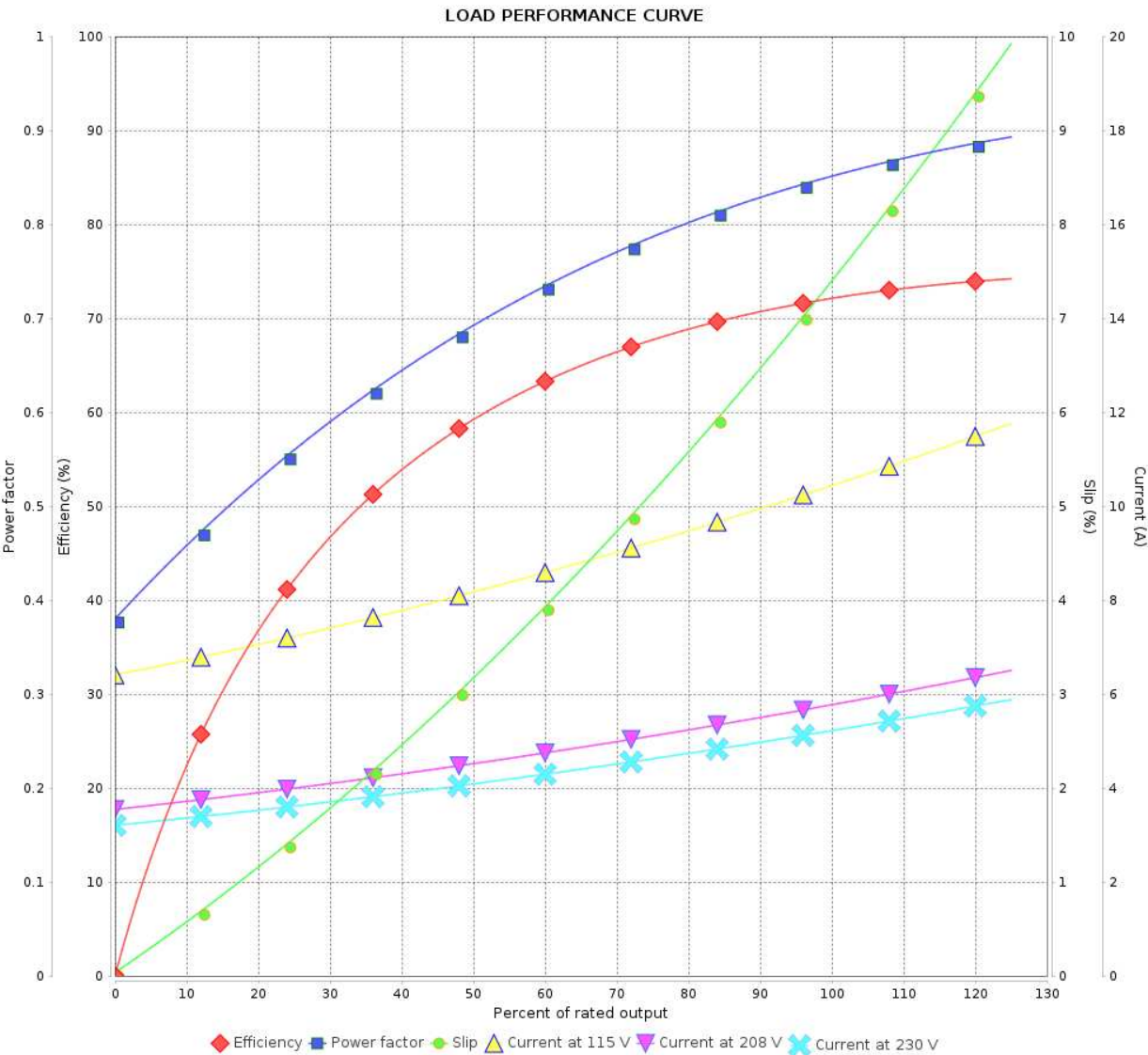
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LRC : 8.4
Rated torque : 0.436 kgfm
Locked rotor torque : 270 %
Breakdown torque : 300 %
Rated speed : 1665 rpm

Moment of inertia (J) : 0.0055 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K

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