

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 10156350

Frame : G143/5T
 Output : 2 HP (1.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 20.0/10.6-10.0 A
 L. R. Amperes : 140/74.2-70.0 A
 LRC : 7.0x(Code K)
 No load current : 9.00/3.88-4.50 A
 Rated speed : 3470 rpm
 Slip : 3.61 %
 Rated torque : 0.418 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 240 %
 Insulation class : B
 Service factor : 1.15
 Moment of inertia (J) : 0.0033 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 : 21.2 kg

Output	50%	75%	100%
Efficiency (%)	69.0	73.0	74.0
Power Factor	0.72	0.81	0.87

Foundation loads
 Max. traction : 18 kgf
 Max. compression : 39 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.

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LOAD PERFORMANCE CURVE

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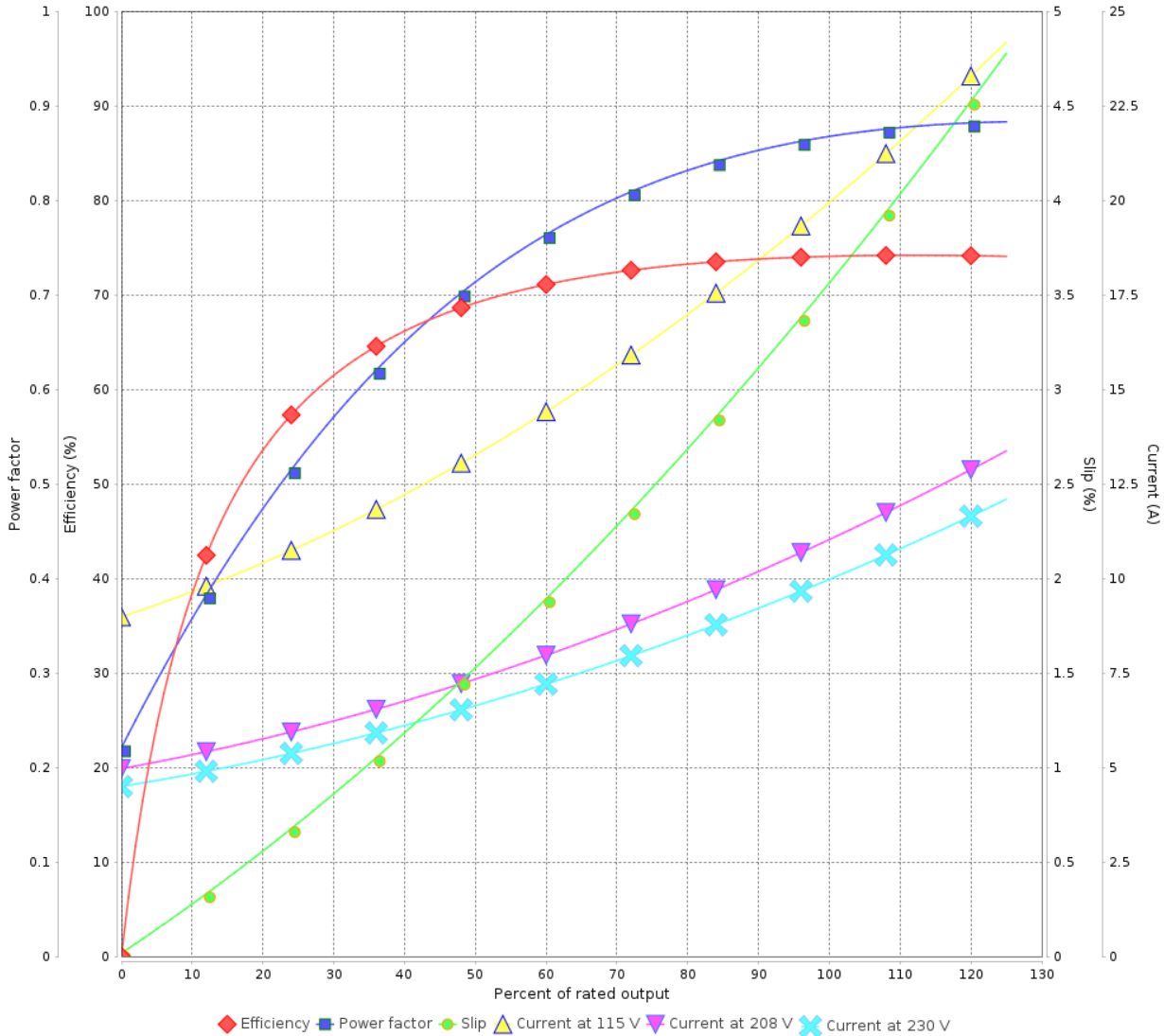


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 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
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