

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 10566853

Frame : B56
 Output : 0.75 HP (0.55 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 10.4/5.00-5.20 A
 L. R. Amperes : 65.5/31.5-32.8 A
 LRC : 6.3x(Code M)
 No load current : 7.60/3.28-3.80 A
 Rated speed : 3490 rpm
 Slip : 3.06 %
 Rated torque : 0.156 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 290 %
 Insulation class : B
 Service factor : 1.15
 Moment of inertia (J) : 0.0017 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 : 11.7 kg

Output	50%	75%	100%
Efficiency (%)	52.0	60.0	64.0
Power Factor	0.54	0.64	0.72

Foundation loads
 Max. traction : 8 kgf
 Max. compression : 20 kgf

	Drive end	Non drive end
Bearing type	6203 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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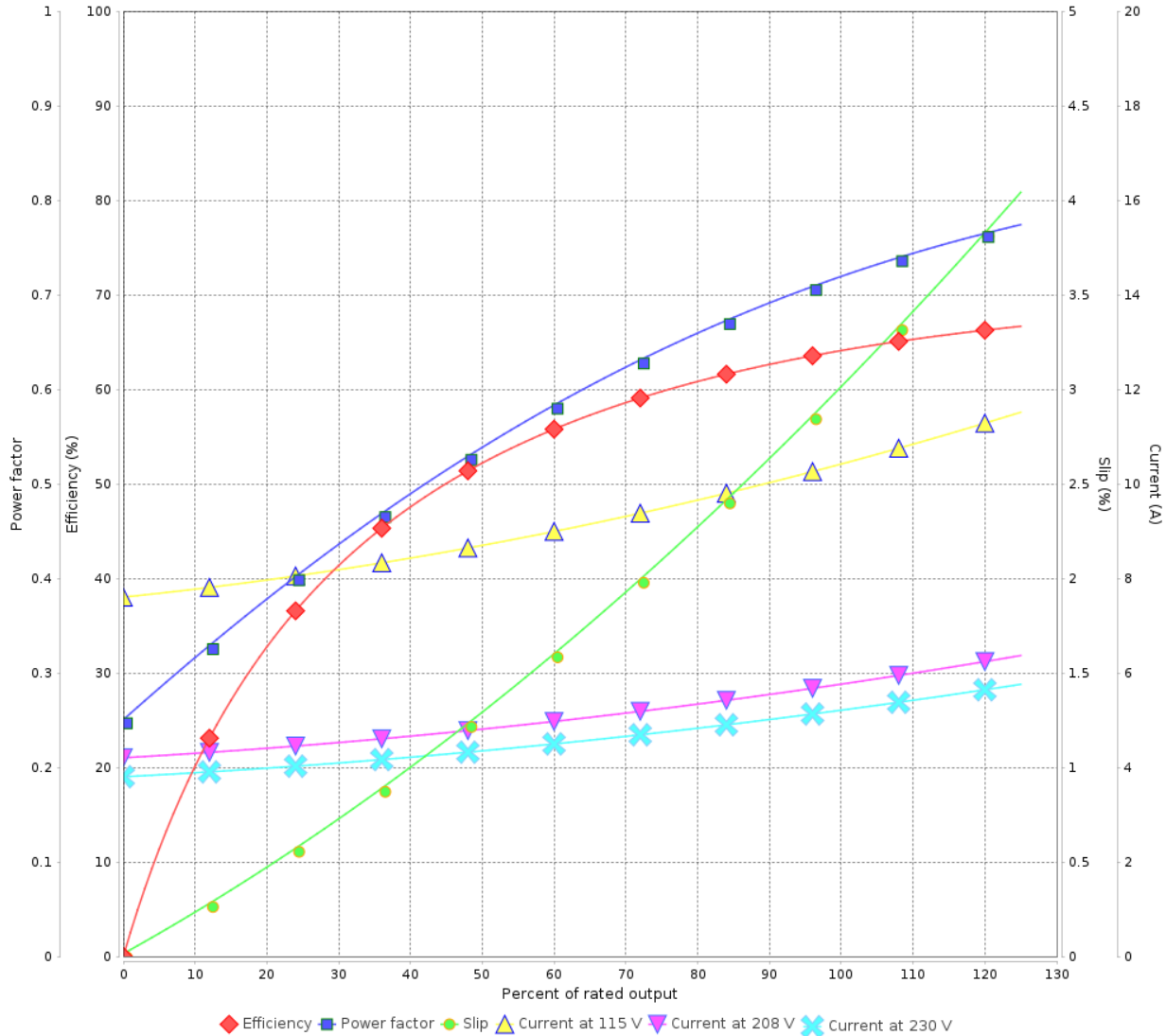


Customer : _____

Product line : General Single-Phase

Product code : 10566853

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P

Rated current : 10.4/5.00-5.20 A
 LRC : 6.3
 Rated torque : 0.156 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 290 %
 Rated speed : 3490 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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