

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 10026639

Frame : G56H
Output : 2 HP (1.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 21.0/10.8-10.5 A
L. R. Amperes : 145/74.5-72.5 A
LRC : 6.9x(Code K)
No load current : 12.4/5.35-6.20 A
Rated speed : 1750 rpm
Slip : 2.78 %
Rated torque : 0.829 kgfm
Locked rotor torque : 280 %
Breakdown torque : 250 %
Insulation class : B
Service factor : 1.15
Moment of inertia (J) : 0.0090 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 : 22.6 kg

Output	50%	75%	100%
Efficiency (%)	74.0	78.0	78.1
Power Factor	0.60	0.71	0.78

Foundation loads
Max. traction : 55 kgf
Max. compression : 78 kgf

	Drive end	Non drive end
Bearing type	6204 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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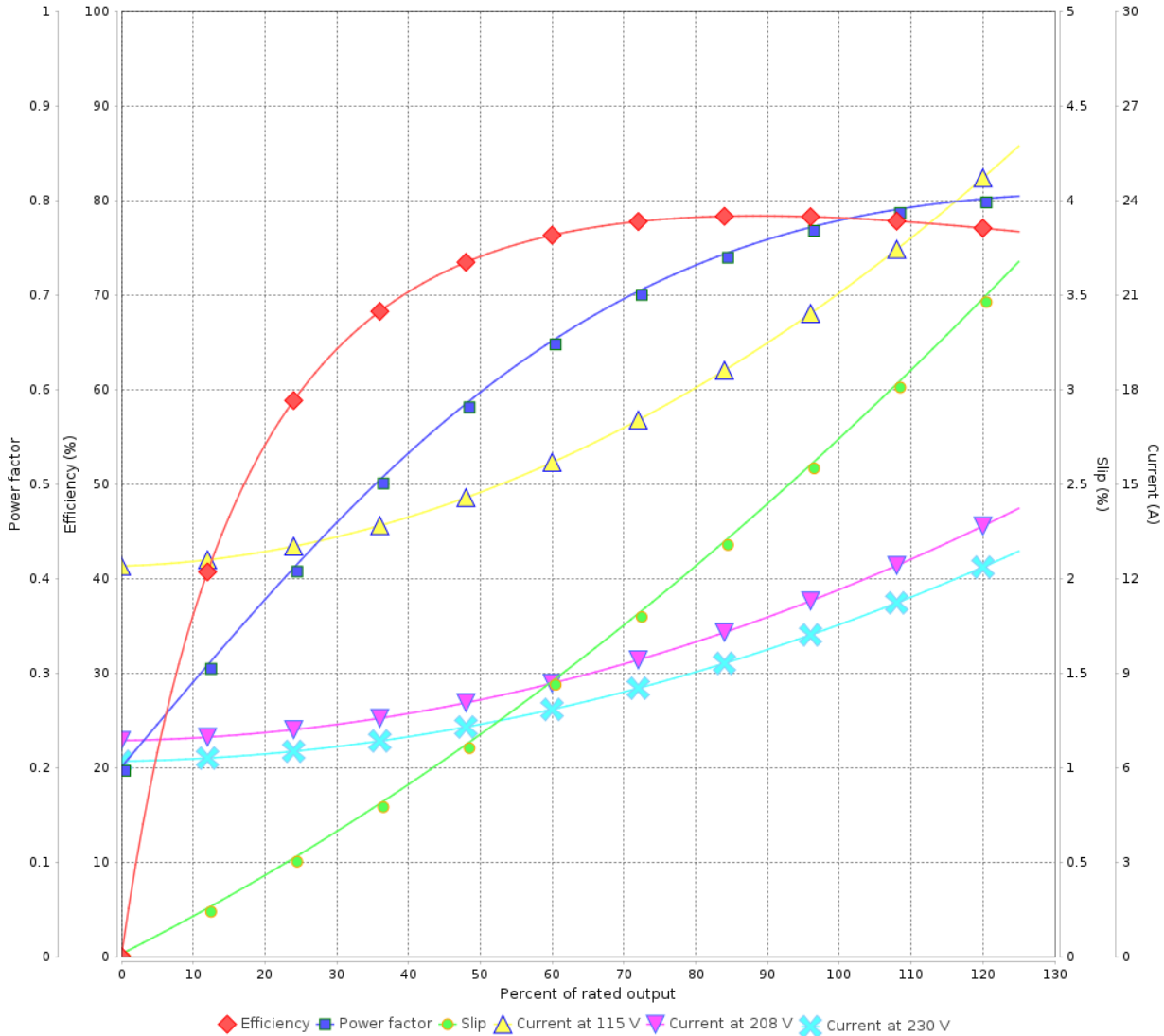


Customer :

Product line : General Single-Phase

Product code : 10026639

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 4P

Rated current : 21.0/10.8-10.5 A
 LRC : 6.9
 Rated torque : 0.829 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 250 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0090 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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