

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 14086164

Frame : 213/5T
 Output : 12.5 HP (9.2 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 54.0-52.2/26.1 A
 L. R. Amperes : 405-392/196 A
 LRC : 7.5x(Code J)
 No load current : 15.6-18.1/9.05 A
 Rated speed : 1740 rpm
 Slip : 3.33 %
 Rated torque : 5.21 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Insulation class : H
 Service factor : 1.15
 Moment of inertia (J) : 0.0543 kgm²

Locked rotor time : 10s (cold) 6s (hot)
 Temperature rise : 125 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 : 63.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 93.9 kg

Output	50%	75%	100%
Efficiency (%)	77.0	81.5	82.5
Power Factor	0.85	0.91	0.93

Foundation loads
 Max. traction : 184 kgf
 Max. compression : 278 kgf

	Drive end	Non drive end
Bearing type	6308 ZZ	6206 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

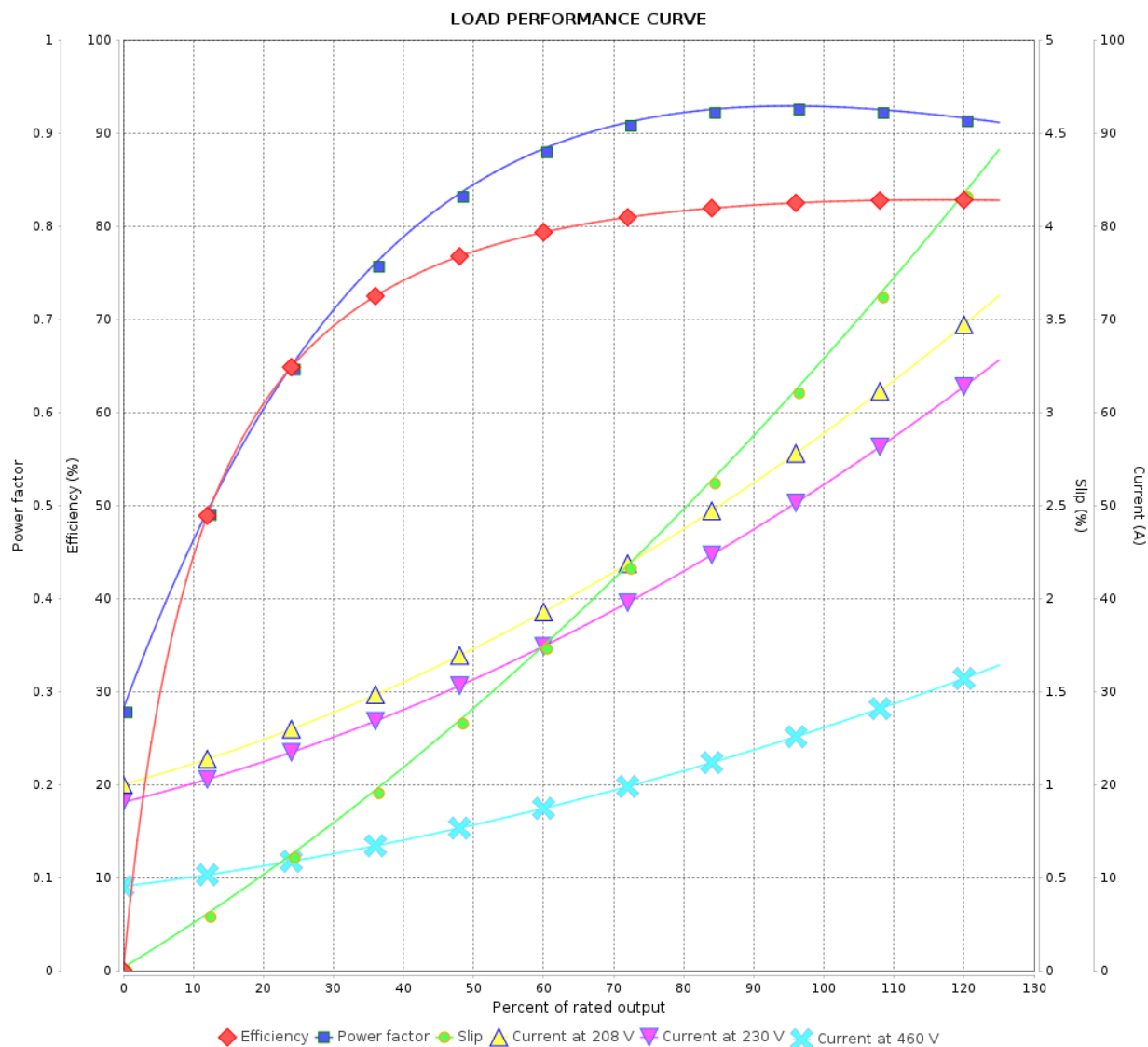
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Customer :

Product line : W22 Single-Phase

Product code : 14086164



Performance : 208-230/460 V 60 Hz 4P

Rated current : 54.0-52.2/26.1 A
LRC : 7.5
Rated torque : 5.21 kgfm
Locked rotor torque : 220 %
Breakdown torque : 240 %
Rated speed : 1740 rpm

Moment of inertia (J) : 0.0543 kgm²
Duty cycle : Cont.(S1)
Insulation class : H
Service factor :
Temperature rise : 125 K

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