

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Single-Phase Product code : 14943075

Frame	: 56C	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 17.1 kg
Design	: L	Moment of inertia (J)	: 0.0032 kgm²

Output [HP]	2
Poles	2
Frequency [Hz]	60
Rated voltage [V]	115/208-230
Rated current [A]	16.8/9.29-8.40
L. R. Amperes [A]	144/79.9-72.2
LRC [A]	8.6x(Code K)
No load current [A]	5.00/2.16-2.50
Rated speed [RPM]	3500
Slip [%]	2.78
Rated torque [kgfm]	0.415
Locked rotor torque [%]	250
Breakdown torque [%]	280
Service factor	
Temperature rise	80 K
Locked rotor time	14s (cold) 8s (hot)
Noise level ²	58.0 dB(A)

Efficiency (%)	25%	
	50%	76.0
	75%	81.0
	100%	82.9
Power Factor	25%	
	50%	0.90
	75%	0.94
	100%	0.94

Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	Foundation loads	Max. traction : 28 kgf
	: Sealing	: Without	: Without			
	: Bearing Seal		: Bearing Seal			
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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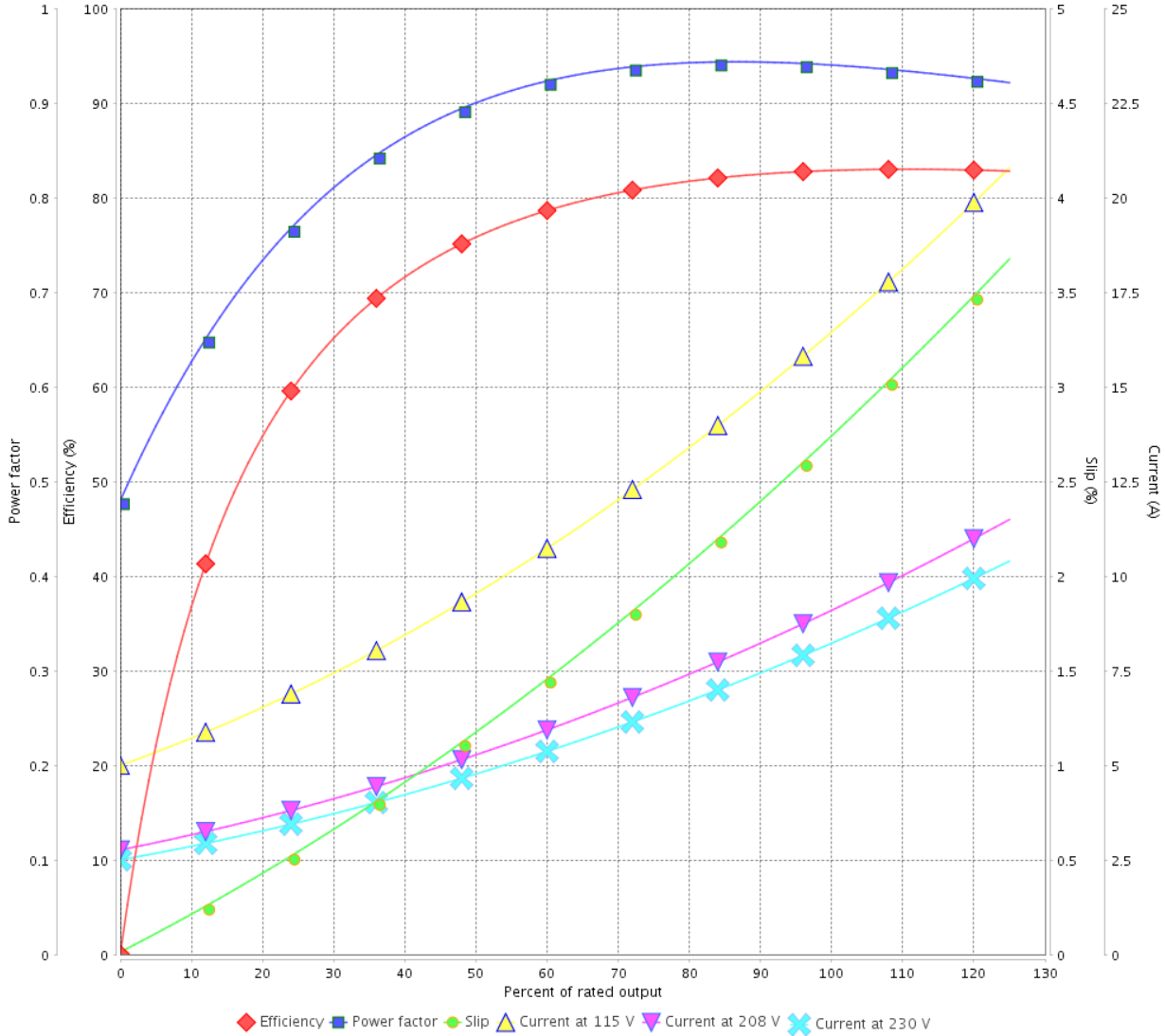
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Customer :

Product line : Single-Phase

Product code : 14943075

LOAD PERFORMANCE CURVE



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

Rated current : 16.8/9.29-8.40 A
 LRC : 8.6
 Rated torque : 0.415 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0032 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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