

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Single-Phase
Product code :	13383419
Frame	: 56
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: L
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ³	: 15.2 kg
Moment of inertia (J)	: 0.0041 kgm ²
Output [HP]	1
Poles	4
Frequency [Hz]	60
Rated voltage [V]	115/208-230
Rated current [A]	13.5/7.46-6.75
L. R. Amperes [A]	90.5/50.0-45.2
LRC [A]	6.7x(Code L)
No load current [A]	9.60/4.14-4.80
Rated speed [RPM]	1745
Slip [%]	3.06
Rated torque [kgfm]	0.416
Locked rotor torque [%]	270
Breakdown torque [%]	270
Service factor	
Temperature rise	80 K
Locked rotor time	12s (cold) 7s (hot)
Noise level ²	52.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ
Sealing	: Without Without Bearing Seal Bearing Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 28 kgf Max. compression : 43 kgf
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.	
Rev.	Changes Summary
Performed by	Performed
Checked by	Checked
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LOAD PERFORMANCE CURVE

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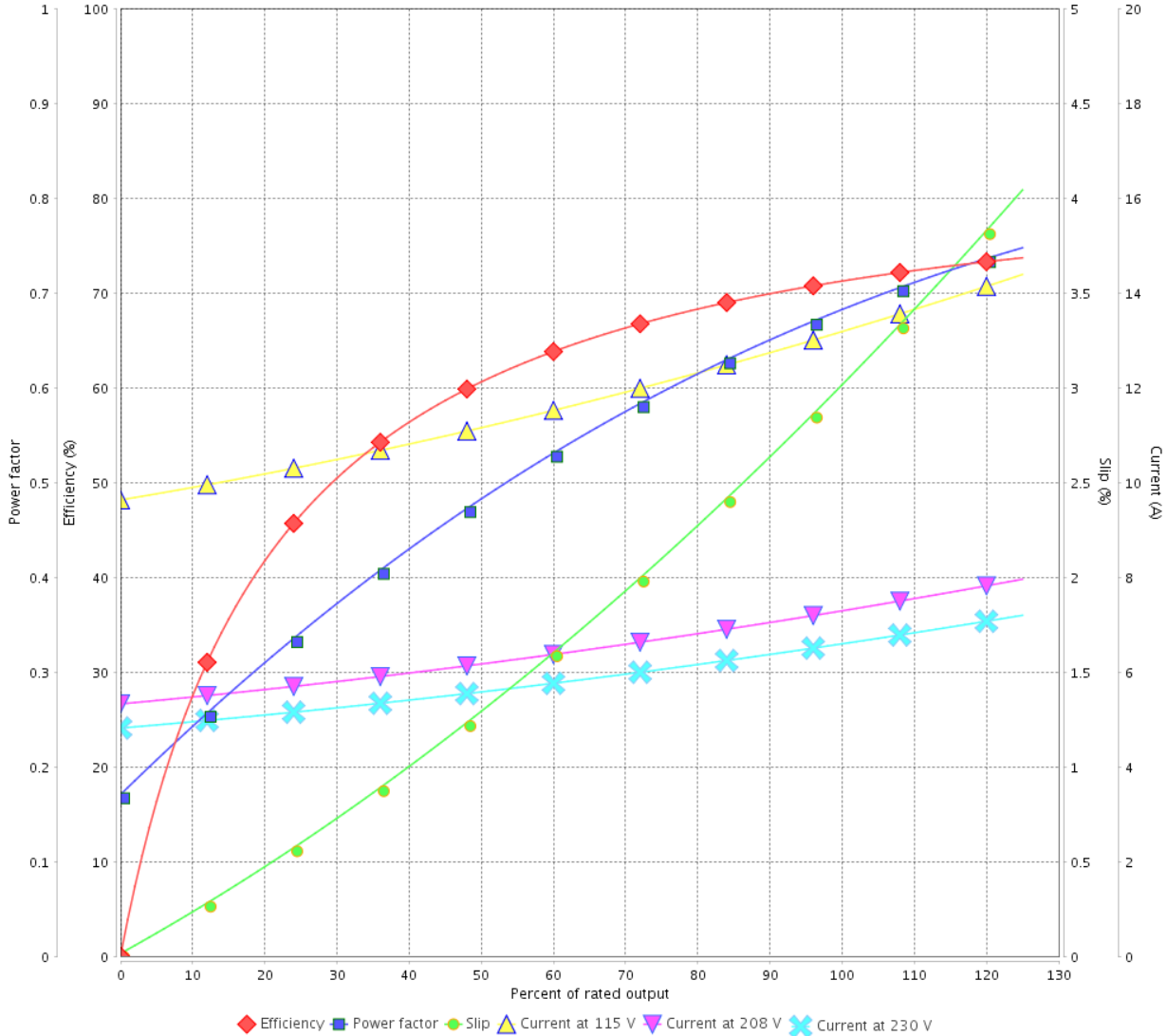


Customer :

Product line : Single-Phase

Product code : 13383419

LOAD PERFORMANCE CURVE



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

Rated current : 13.5/7.46-6.75 A
 LRC : 6.7
 Rated torque : 0.416 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0041 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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