

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Single-Phase			
Product code :	13509613			
Frame	: 56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: N			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 14.1 kg			
Moment of inertia (J)	: 0.0020 kgm ²			
Output [HP]	1			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	10.1/5.64-5.06			
L. R. Amperes [A]	85.0/47.4-42.5			
LRC [A]	8.4x(Code L)			
No load current [A]	5.50/2.37-2.75			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.207			
Locked rotor torque [%]	280			
Breakdown torque [%]	280			
Service factor				
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%	51.0		
	50%	55.0		
	75%	64.0		
	100%	70.0		
Power Factor	25%	0.51		
	50%	0.82		
	75%	0.88		
	100%	0.92		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 11 kgf			
	Max. compression : 25 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.				
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LOAD PERFORMANCE CURVE

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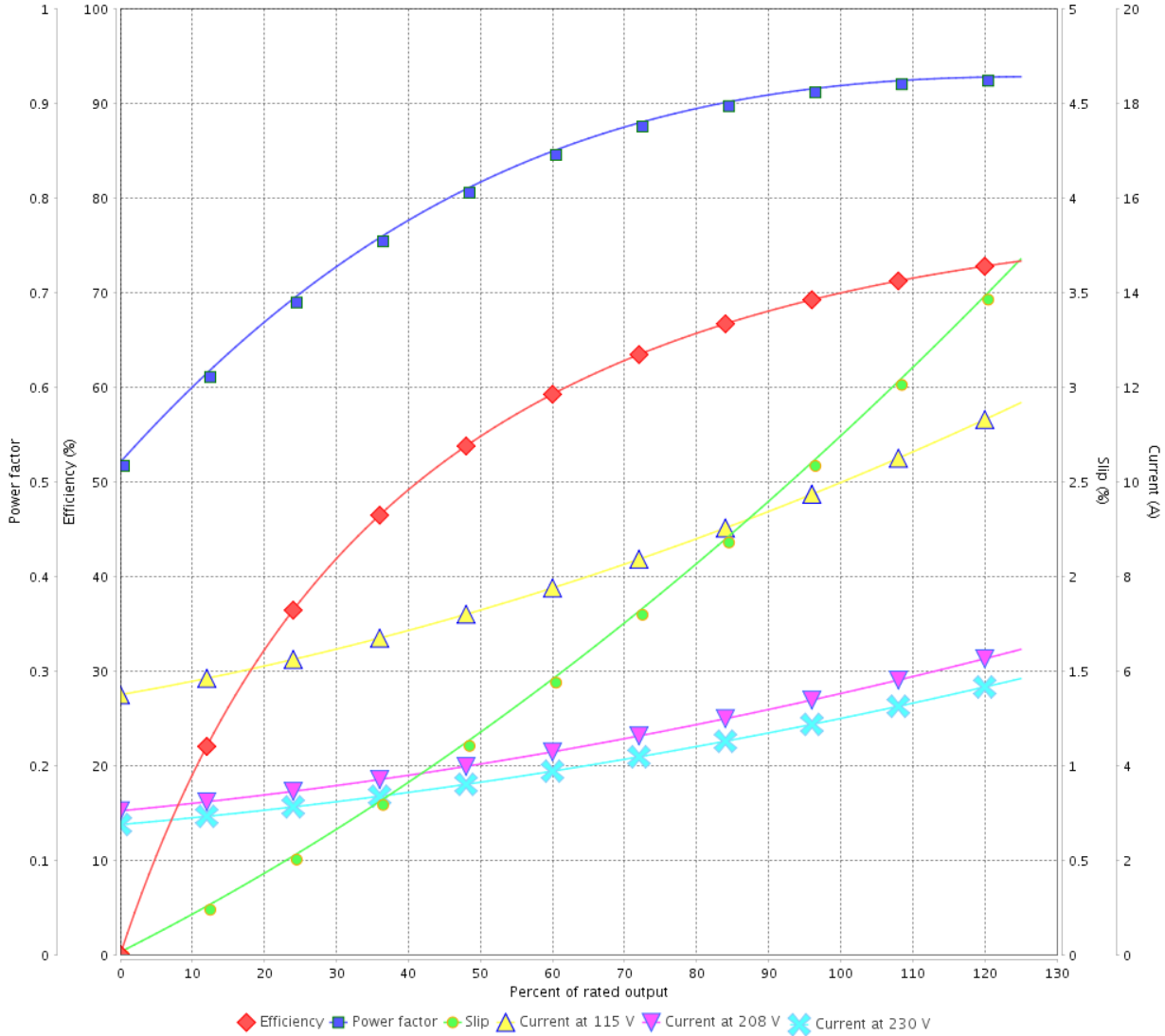


Customer :

Product line : Single-Phase

Product code : 13509613

LOAD PERFORMANCE CURVE



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

Rated current	: 10.1/5.64-5.06 A	Moment of inertia (J)	: 0.0020 kgm ²
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.207 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: N

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