

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 kgm²		
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 : Drive end 6204 ZZ Non drive end 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.		
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
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LOAD PERFORMANCE CURVE

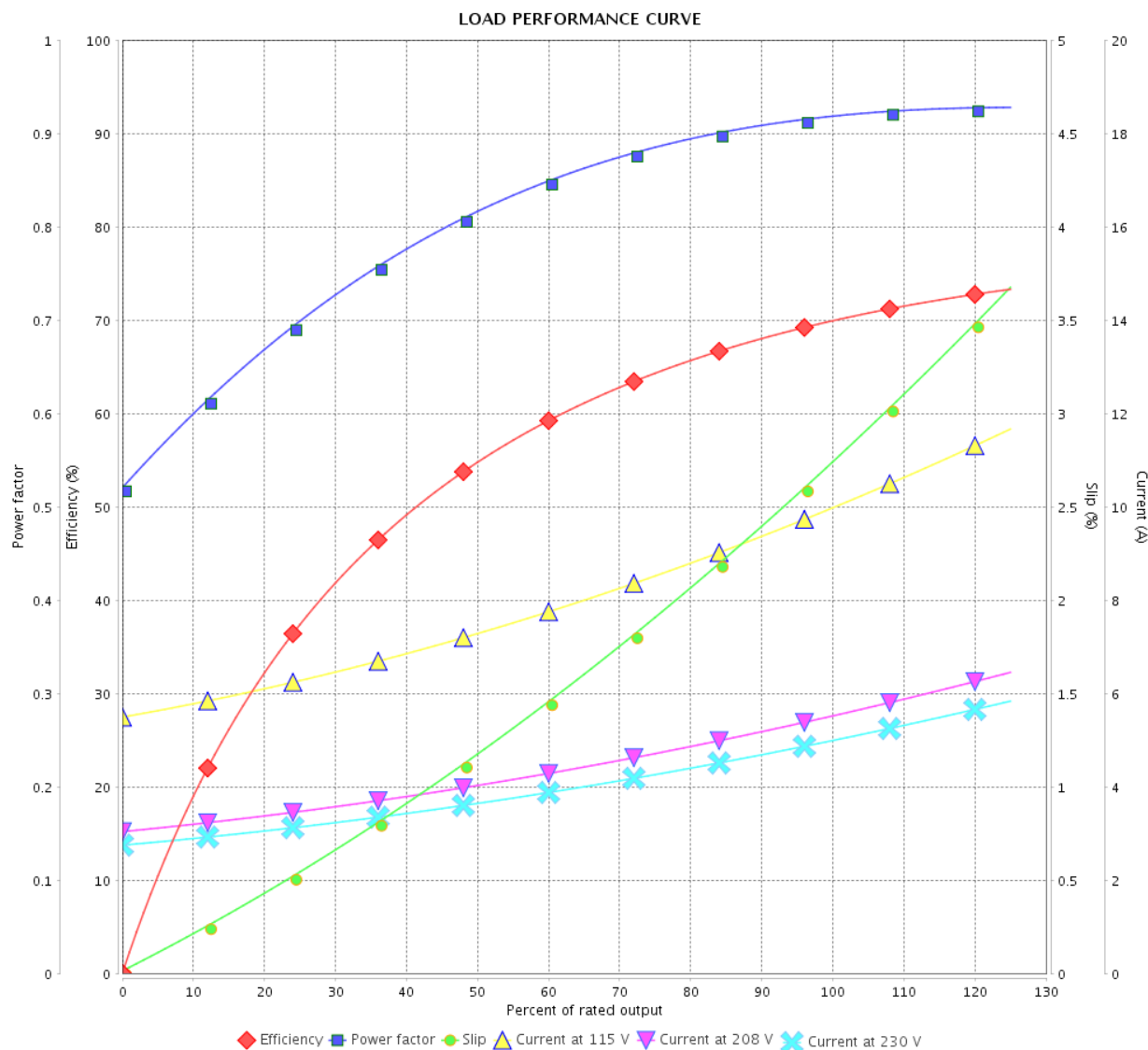
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13509613



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

Rated current : 10.1/5.64-5.06 A
 LRC : 8.4
 Rated torque : 0.207 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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