

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13485331		
Frame : 56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 16.5 kg Moment of inertia (J) : 0.0025 kgm²		
Output [HP]	1.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	13.2/7.30-6.60			
L. R. Amperes [A]	106/58.4-52.8			
LRC [A]	8.0x(Code K)			
No load current [A]	4.60/1.98-2.30			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.311			
Locked rotor torque [%]	240			
Breakdown torque [%]	250			
Service factor				
Temperature rise	80 K			
Locked rotor time	12s (cold) 7s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	66.0		
	75%	73.0		
	100%	75.0		
Power Factor	25%			
	50%	0.92		
	75%	0.95		
	100%	0.97		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 16 kgf Max. compression : 33 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

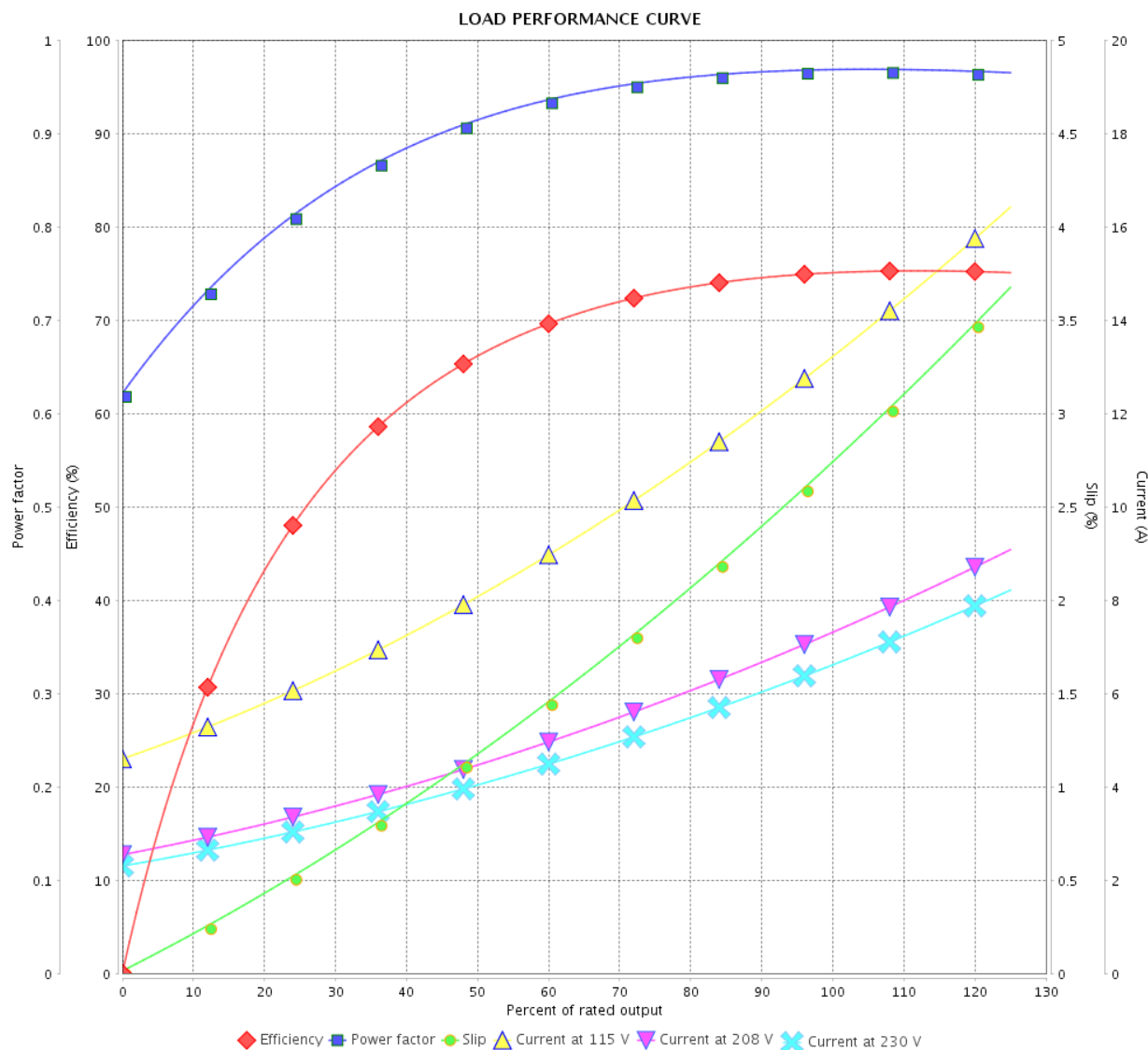
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13485331



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

Rated current : 13.2/7.30-6.60 A
 LRC : 8.0
 Rated torque : 0.311 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 250 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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