

# 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 <sup>1</sup>	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 16.5 kg			
Moment of inertia (J)	: 0.0025 kgm <sup>2</sup>			
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 <sup>2</sup>	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	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring    V'Ring	Max. traction	: 16 kgf	
Lubrication interval	: -    -	Max. compression	: 33 kgf	
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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# LOAD PERFORMANCE CURVE

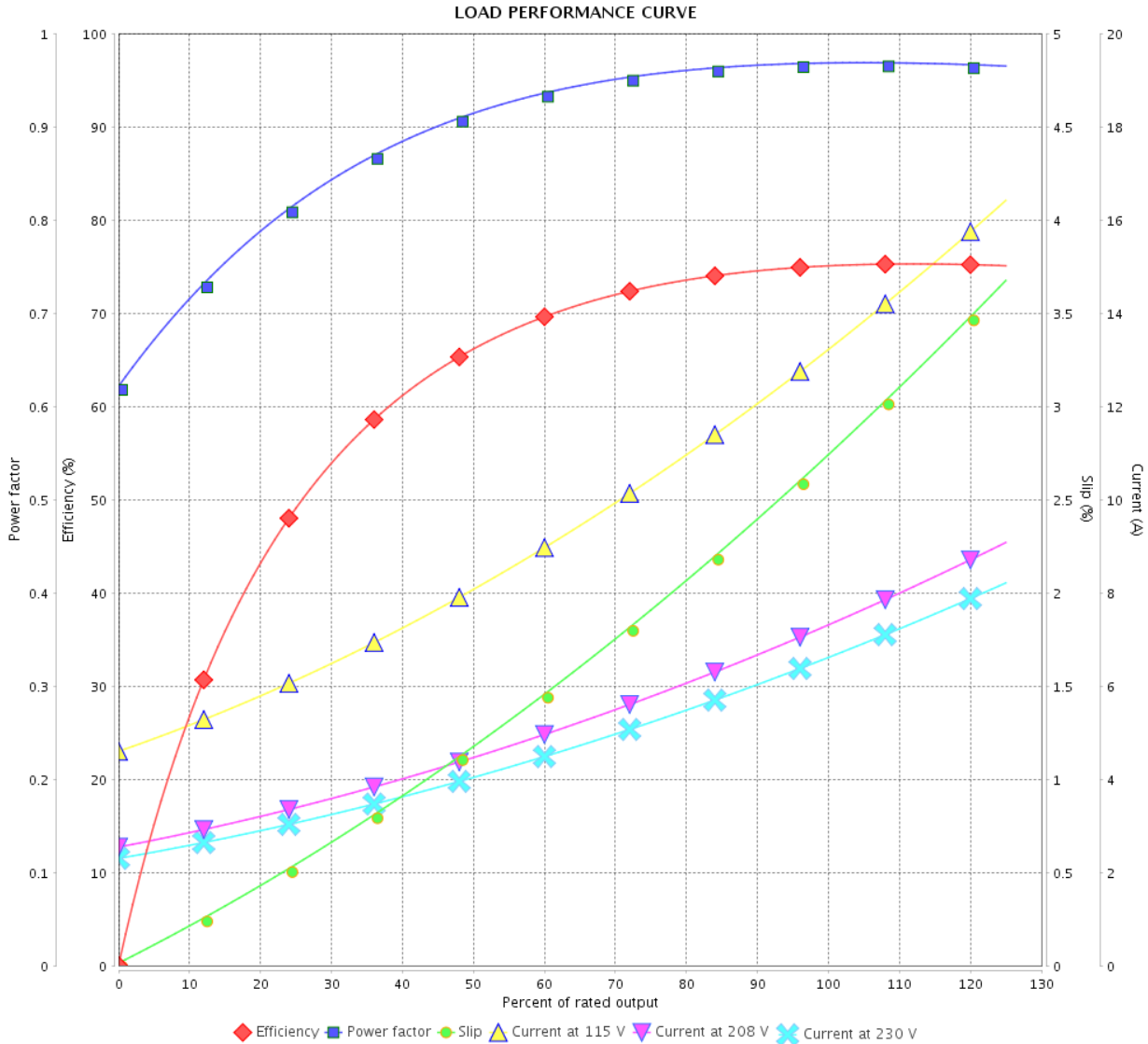
Single Phase Induction Motor - Squirrel Cage



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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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