

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Single-Phase	Product code :	13309029		
Frame	: 56C	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 16.6 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0025 kgm <sup>2</sup>		
Design	: L				
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%	64.0			
	50%	66.0			
	75%	73.0			
	100%	75.0			
Power Factor	25%	0.63			
	50%	0.92			
	75%	0.95			
	100%	0.97			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	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

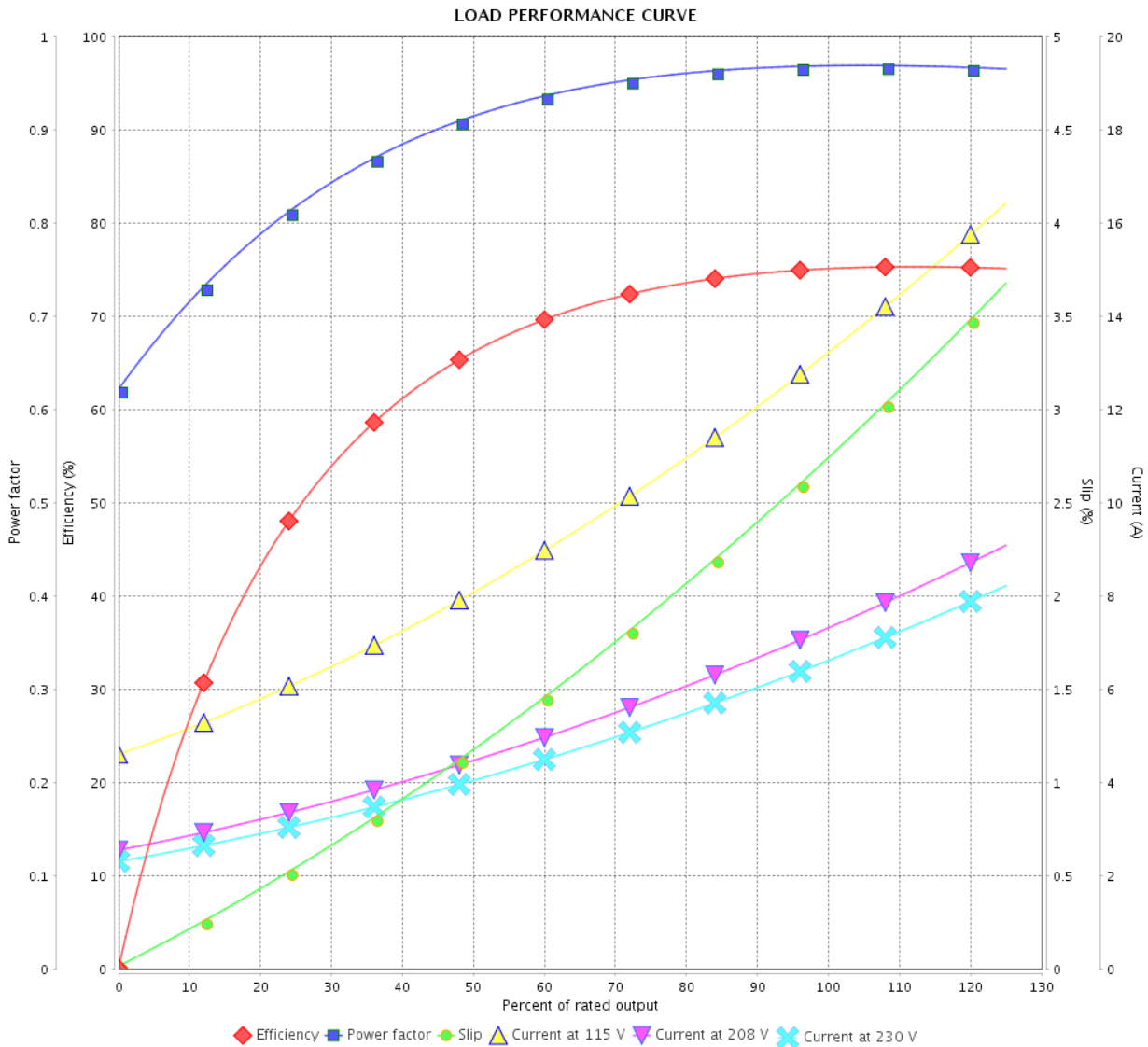
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13309029



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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