

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13417772		
Frame : 56	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : F-1	
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation <sup>1</sup> : Both (CW and CCW)	Starting method : Direct On Line	
Altitude : 1000 m.a.s.l.	Protection degree : IP55	Approx. weight <sup>3</sup> : 16.4 kg	Moment of inertia (J) : 0.0044 kgm <sup>2</sup>	
Design : L				
Output [HP]	1			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	13.6/7.52-6.80			
L. R. Amperes [A]	91.1/50.4-45.6			
LRC [A]	6.7x(Code M)			
No load current [A]	9.60/4.14-4.80			
Rated speed [RPM]	1745			
Slip [%]	3.06			
Rated torque [kgfm]	0.416			
Locked rotor torque [%]	280			
Breakdown torque [%]	270			
Service factor				
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level <sup>2</sup>	54.0 dB(A)			
Efficiency (%)	25%			
	50%	62.0		
	75%	68.0		
	100%	71.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.68		
Bearing type : 6204 ZZ	Drive end	Non drive end	Foundation loads	
Sealing : V'Ring			Max. traction : 27 kgf	
Lubrication interval : -			Max. compression : 43 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.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
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# LOAD PERFORMANCE CURVE

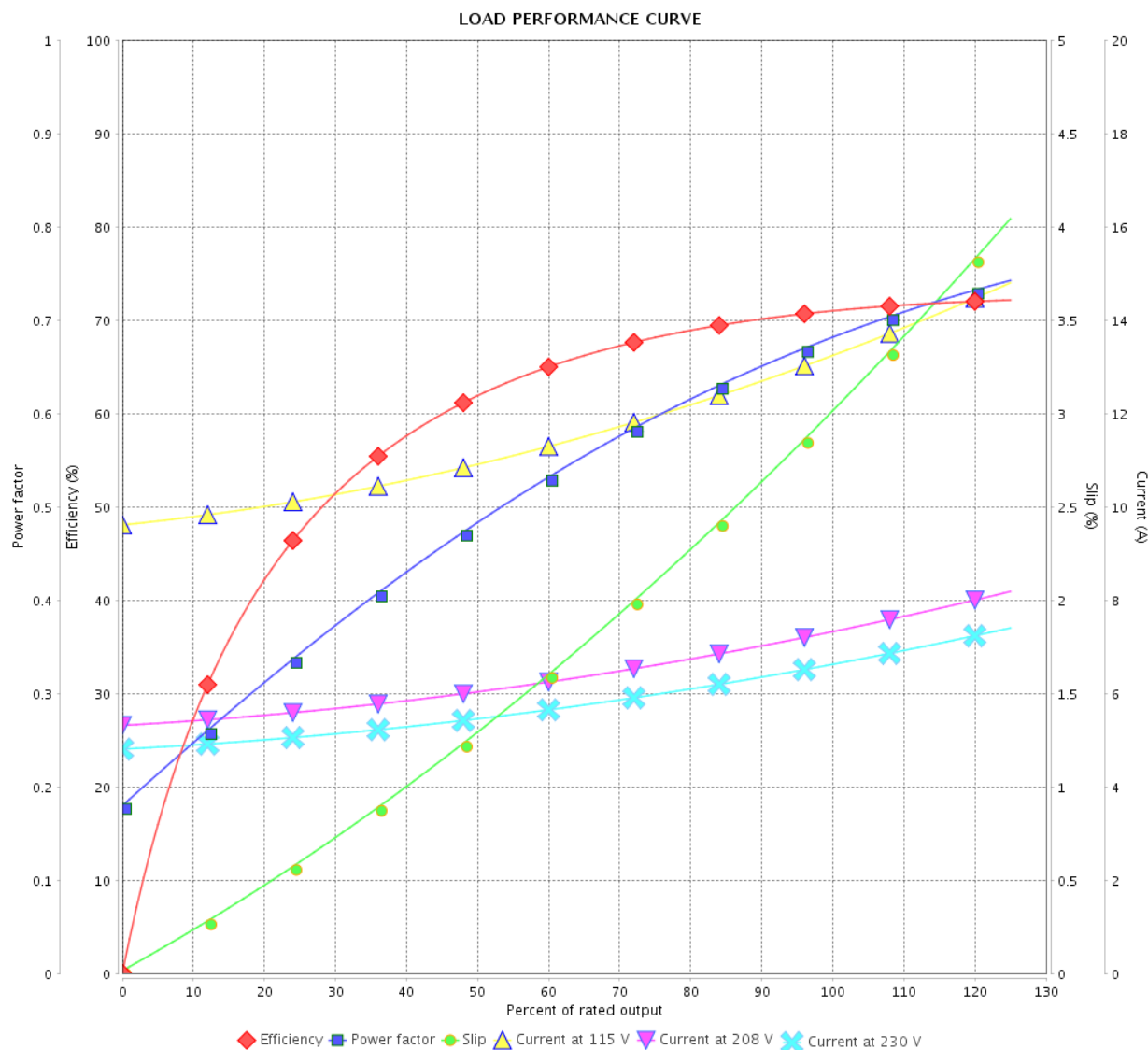
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13417772



Performance : 115/208-230 V 60 Hz 4P

Rated current : 13.6/7.52-6.80 A  
 LRC : 6.7  
 Rated torque : 0.416 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 270 %  
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0044 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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