

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Single-Phase		Product code : 14943075			
Frame : 56C	Cooling method : IC01 - ODP				
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> : 17.1 kg				
Design : L	Moment of inertia (J) : 0.0032 kgm <sup>2</sup>				
Output [HP]	2				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	16.8/9.29-8.40				
L. R. Amperes [A]	144/79.9-72.2				
LRC [A]	8.6x(Code K)				
No load current [A]	5.00/2.16-2.50				
Rated speed [RPM]	3500				
Slip [%]	2.78				
Rated torque [kgfm]	0.415				
Locked rotor torque [%]	250				
Breakdown torque [%]	280				
Service factor					
Temperature rise	80 K				
Locked rotor time	14s (cold) 8s (hot)				
Noise level <sup>2</sup>	58.0 dB(A)				
Efficiency (%)	25%				
	50%	76.0			
	75%	81.0			
	100%	82.9			
Power Factor	25%				
	50%	0.90			
	75%	0.94			
	100%	0.94			
Bearing type : 6204 ZZ	Drive end	Non drive end	Foundation loads		
Sealing : Without			Max. traction	: 28 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 46 kgf	
Lubrication interval : -	-	-			
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

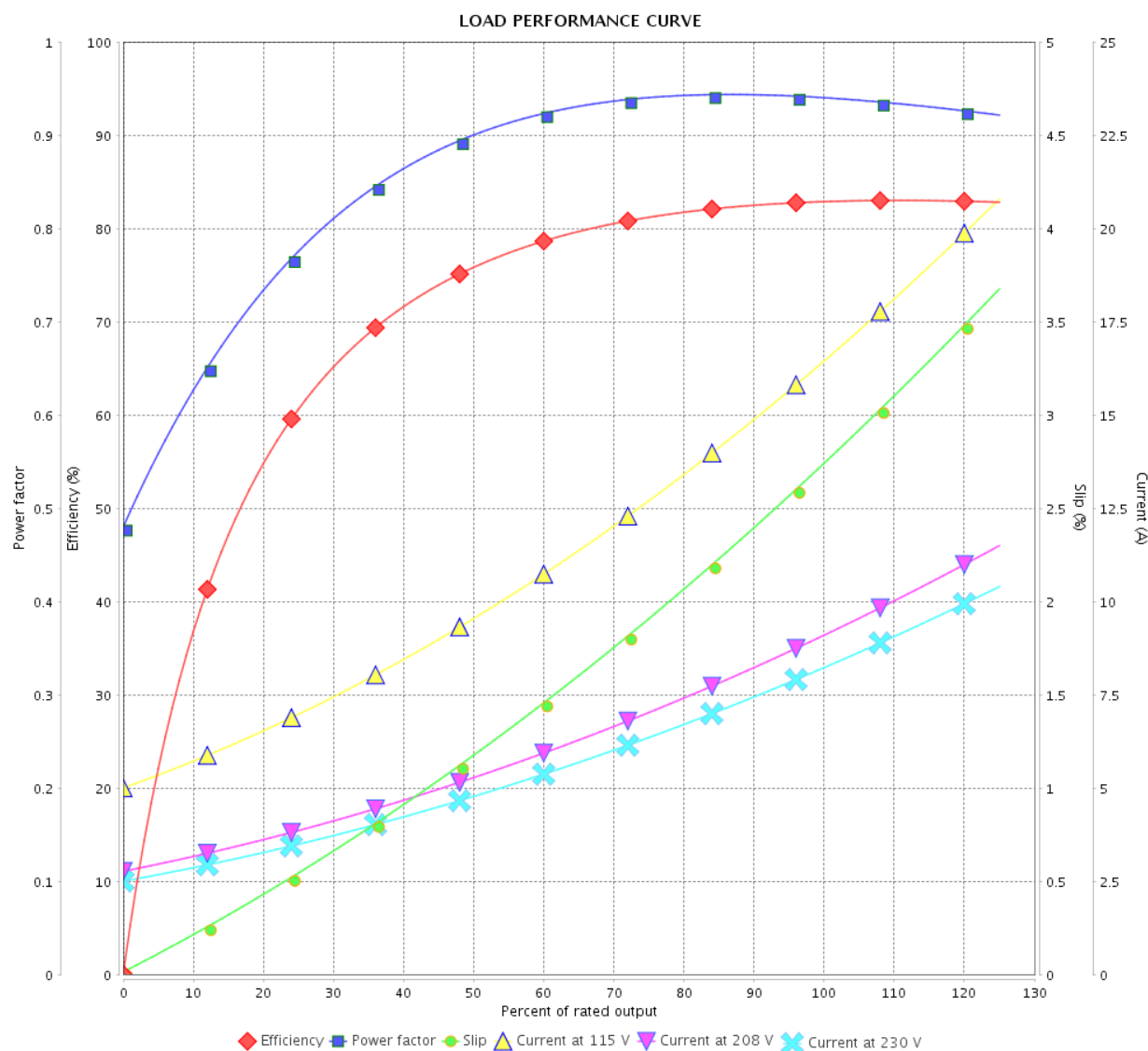
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14943075



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

Rated current : 16.8/9.29-8.40 A  
 LRC : 8.6  
 Rated torque : 0.415 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 280 %  
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0032 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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