

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 14017842		
Frame : W56C Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N		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> : 8.9 kg Moment of inertia (J) : 0.0008 kgm²		
Output [HP]		0.33		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		5.20/2.87-2.60		
L. R. Amperes [A]		36.4/20.1-18.2		
LRC [A]		7.0x(Code P)		
No load current [A]		3.80/1.64-1.90		
Rated speed [RPM]		3490		
Slip [%]		3.06		
Rated torque [kgfm]		0.069		
Locked rotor torque [%]		290		
Breakdown torque [%]		290		
Service factor				
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level <sup>2</sup>		66.0 dB(A)		
Efficiency (%)	25%			
	50%	42.0		
	75%	50.0		
	100%	54.0		
Power Factor	25%			
	50%	0.61		
	75%	0.69		
	100%	0.76		
Bearing type : Drive end 6203 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 1 kgf Max. compression : 10 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.		
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
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# LOAD PERFORMANCE CURVE

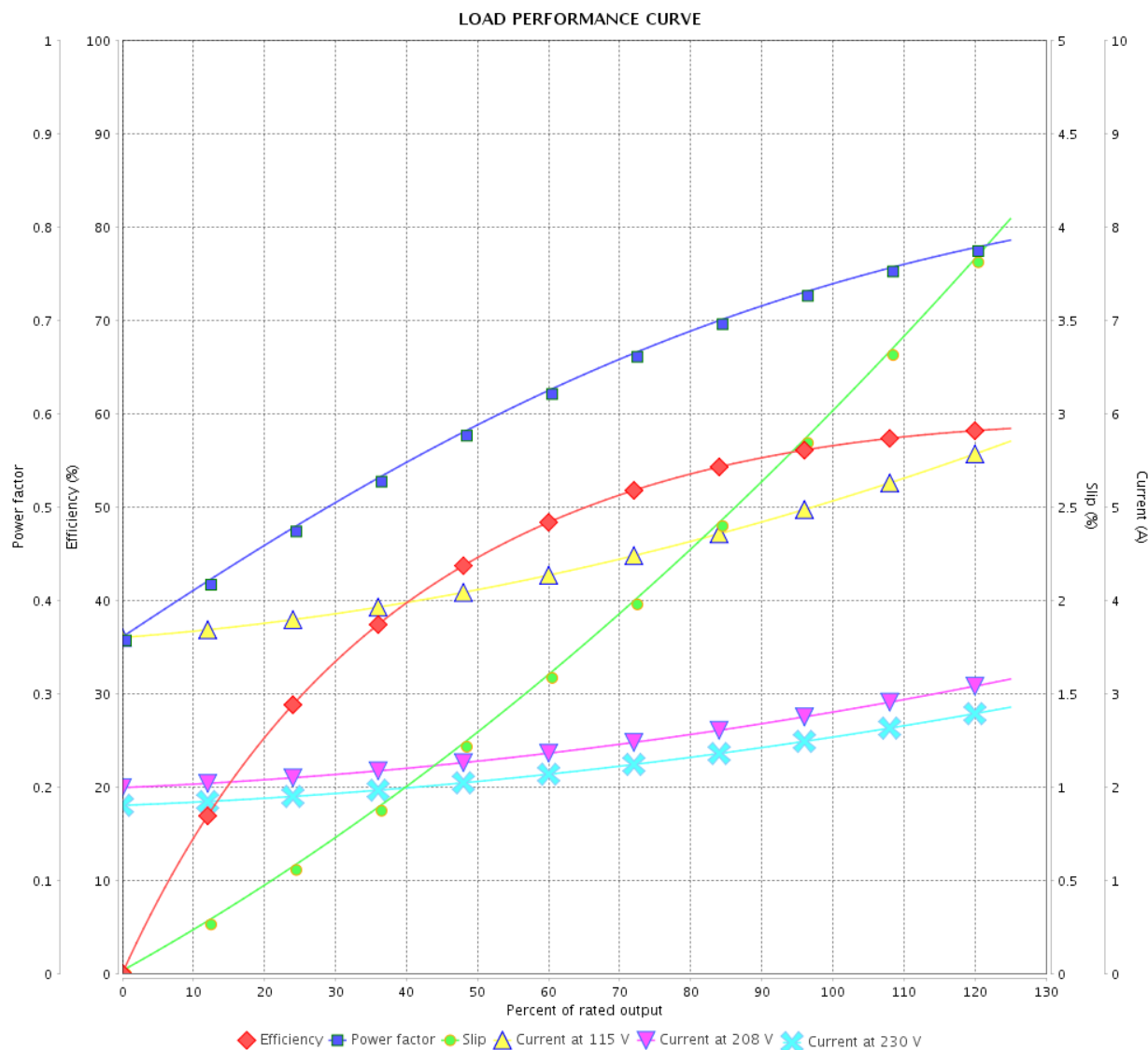
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14017842



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

Rated current : 5.20/2.87-2.60 A  
 LRC : 7.0  
 Rated torque : 0.069 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 290 %  
 Rated speed : 3490 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

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