

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13638770		
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> : 8.1 kg Moment of inertia (J) : 0.0017 kgm <sup>2</sup>		
Output [HP]		0.33		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		6.00/3.32-3.00		
L. R. Amperes [A]		33.6/18.6-16.8		
LRC [A]		5.6x(Code N)		
No load current [A]		5.40/2.33-2.70		
Rated speed [RPM]		1735		
Slip [%]		3.61		
Rated torque [kgfm]		0.138		
Locked rotor torque [%]		320		
Breakdown torque [%]		280		
Service factor				
Temperature rise		80 K		
Locked rotor time		21s (cold) 12s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%	42.3		
	50%	46.0		
	75%	55.0		
	100%	61.0		
Power Factor	25%	0.23		
	50%	0.42		
	75%	0.51		
	100%	0.59		
Bearing type : Drive end 6203 ZZ Non drive end 6202 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 8 kgf Max. compression : 16 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

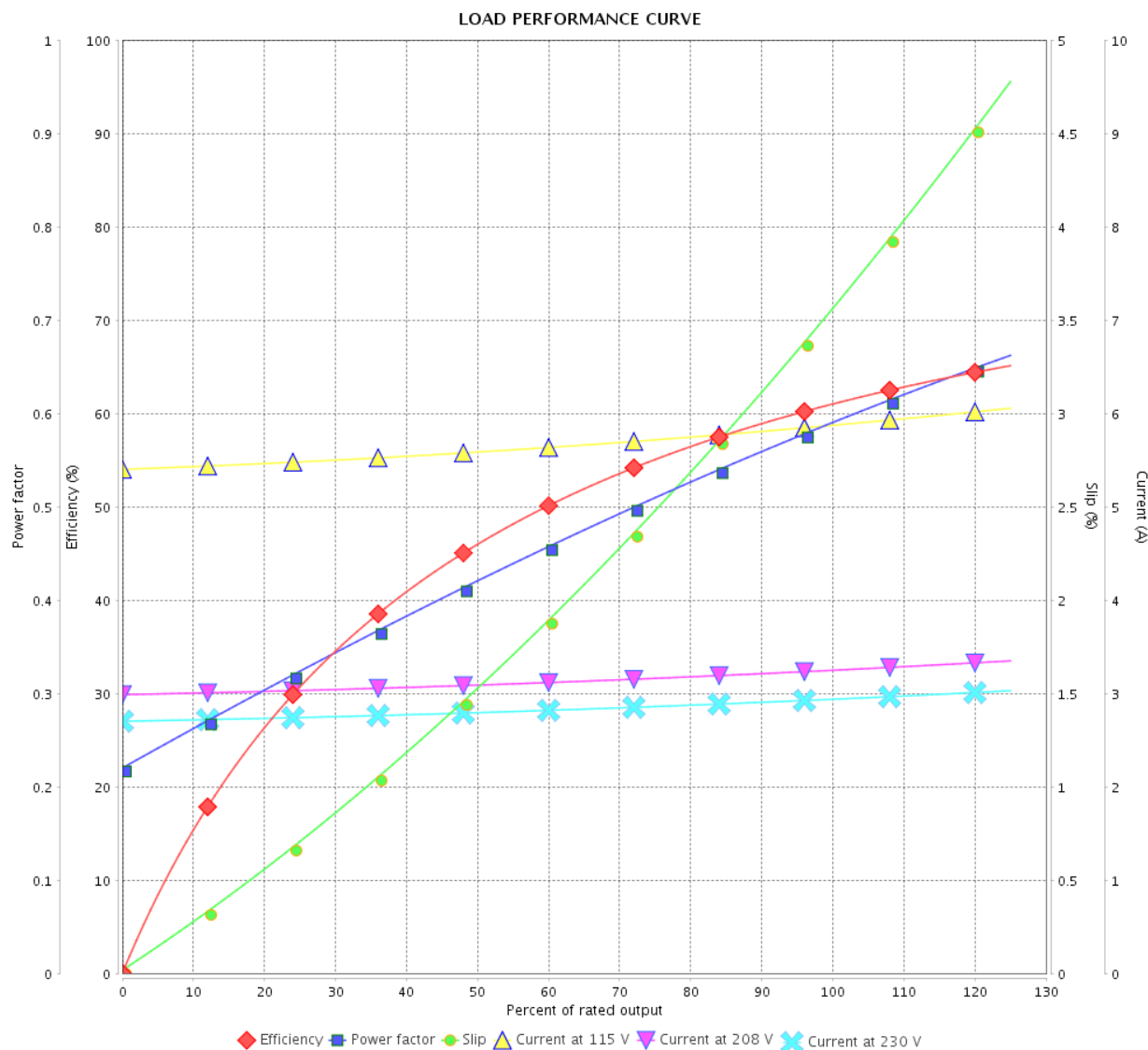
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13638770



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

Rated current : 6.00/3.32-3.00 A  
 LRC : 5.6  
 Rated torque : 0.138 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 280 %  
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0017 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

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