

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Premium Efficiency Three-Phase			
Product code :	13989587			
Frame	: W56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation <sup>1</sup>	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight <sup>2</sup>	: 8.8 kg			
Moment of inertia (J)	: 0.0019 kgm <sup>2</sup>			
Output [HP]	0.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.631			
L. R. Amperes [A]	4.04			
LRC [A]	6.4x(Code K)			
No load current [A]	0.426			
Rated speed [RPM]	1735			
Slip [%]	3.61			
Rated torque [kgfm]	0.209			
Locked rotor torque [%]	250			
Breakdown torque [%]	320			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	41s (cold) 23s (hot)			
Noise level <sup>2</sup>	50.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	78.5		
Power Factor	25%			
	50%	0.53		
	75%	0.66		
	100%	0.75		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: Without Without Bearing Seal Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 17 kgf Max. compression : 26 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.				
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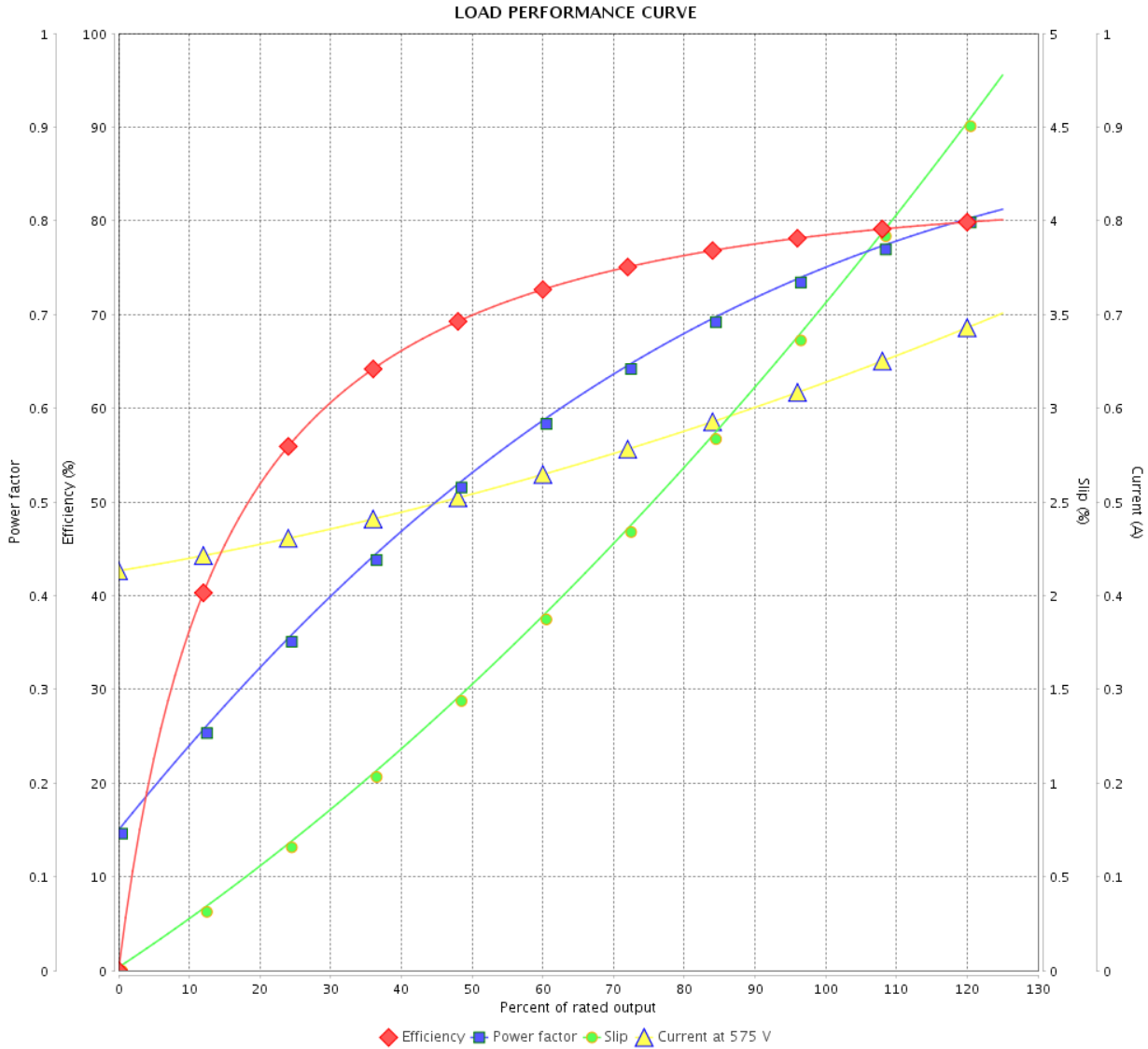
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13989587



Performance : 575 V 60 Hz 4P

Rated current : 0.631 A  
 LRC : 6.4  
 Rated torque : 0.209 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 320 %  
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0019 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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