

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	13877133
Frame	: W56	Cooling method	: IC411 - TEFC	
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>	: 7.2 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0013 kgm <sup>2</sup>	
Output [HP]	0.33			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.527			
L. R. Amperes [A]	2.85			
LRC [A]	5.4x(Code K)			
No load current [A]	0.426			
Rated speed [RPM]	1730			
Slip [%]	3.89			
Rated torque [kgfm]	0.138			
Locked rotor torque [%]	229			
Breakdown torque [%]	270			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	37s (cold) 21s (hot)			
Noise level <sup>2</sup>	50.0 dB(A)			
Efficiency (%)	25%			
	50%	57.5		
	75%	64.0		
	100%	68.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.70		
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 8 kgf		
Lubrication interval	: - -	Max. compression : 15 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
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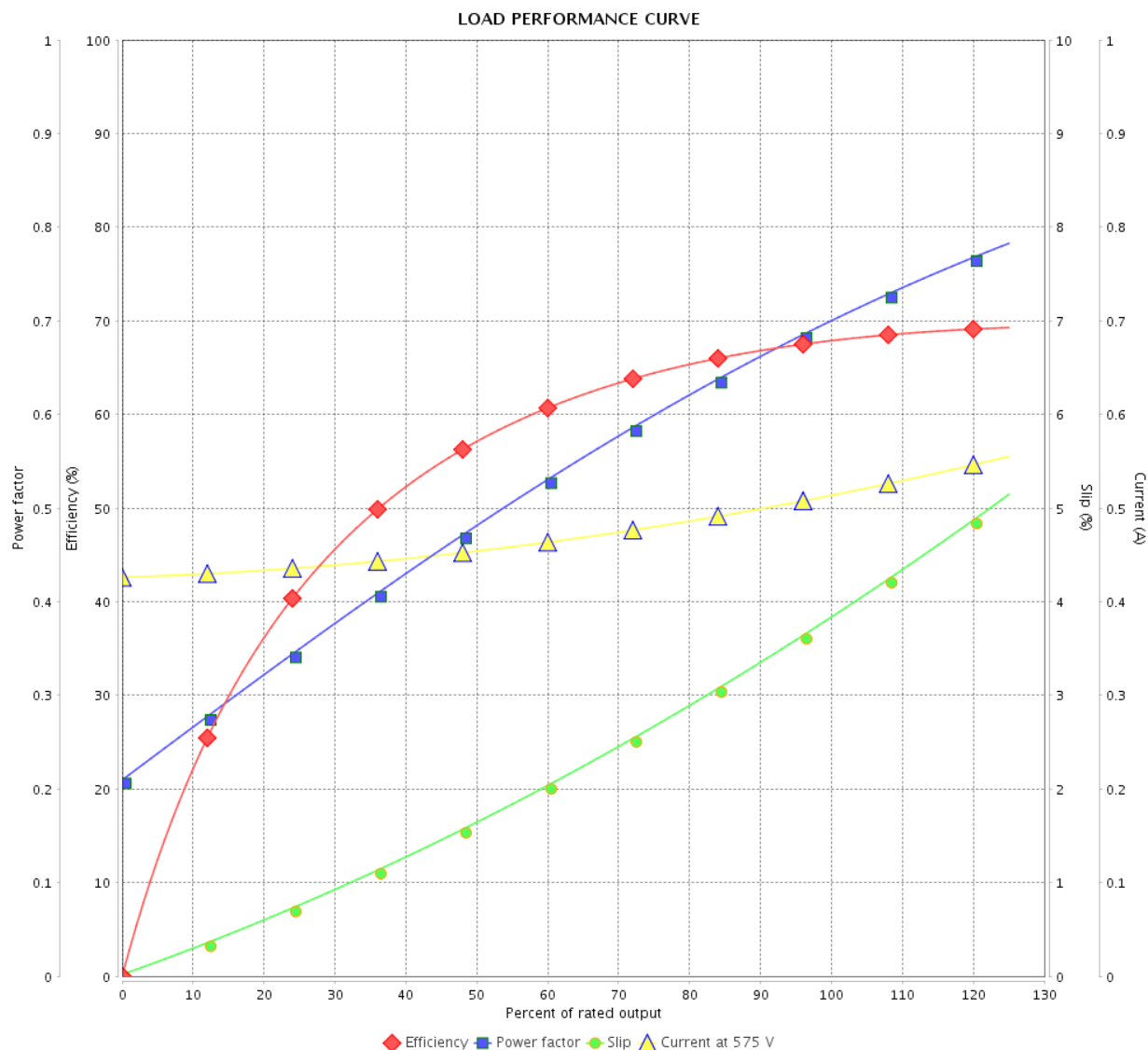
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13877133



Performance : 575 V 60 Hz 4P

Rated current : 0.527 A  
 LRC : 5.4  
 Rated torque : 0.138 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 270 %  
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0013 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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