

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Premium Efficiency Three-Phase	Product code :	14451786	
Frame	: W56C	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>	: 8.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0009 kgm <sup>2</sup>		
Output [HP]	0.75				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.896				
L. R. Amperes [A]	7.26				
LRC [A]	8.1x(Code L)				
No load current [A]	0.498				
Rated speed [RPM]	3440				
Slip [%]	4.44				
Rated torque [kgfm]	0.158				
Locked rotor torque [%]	350				
Breakdown torque [%]	360				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	28s (cold) 16s (hot)				
Noise level <sup>2</sup>	65.0 dB(A)				
Efficiency (%)	25%				
	50%	70.0			
	75%	75.5			
	100%	77.0			
Power Factor	25%				
	50%	0.62			
	75%	0.74			
	100%	0.80			
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 13 kgf		
Lubrication interval	: -	-	Max. compression : 22 kgf		
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
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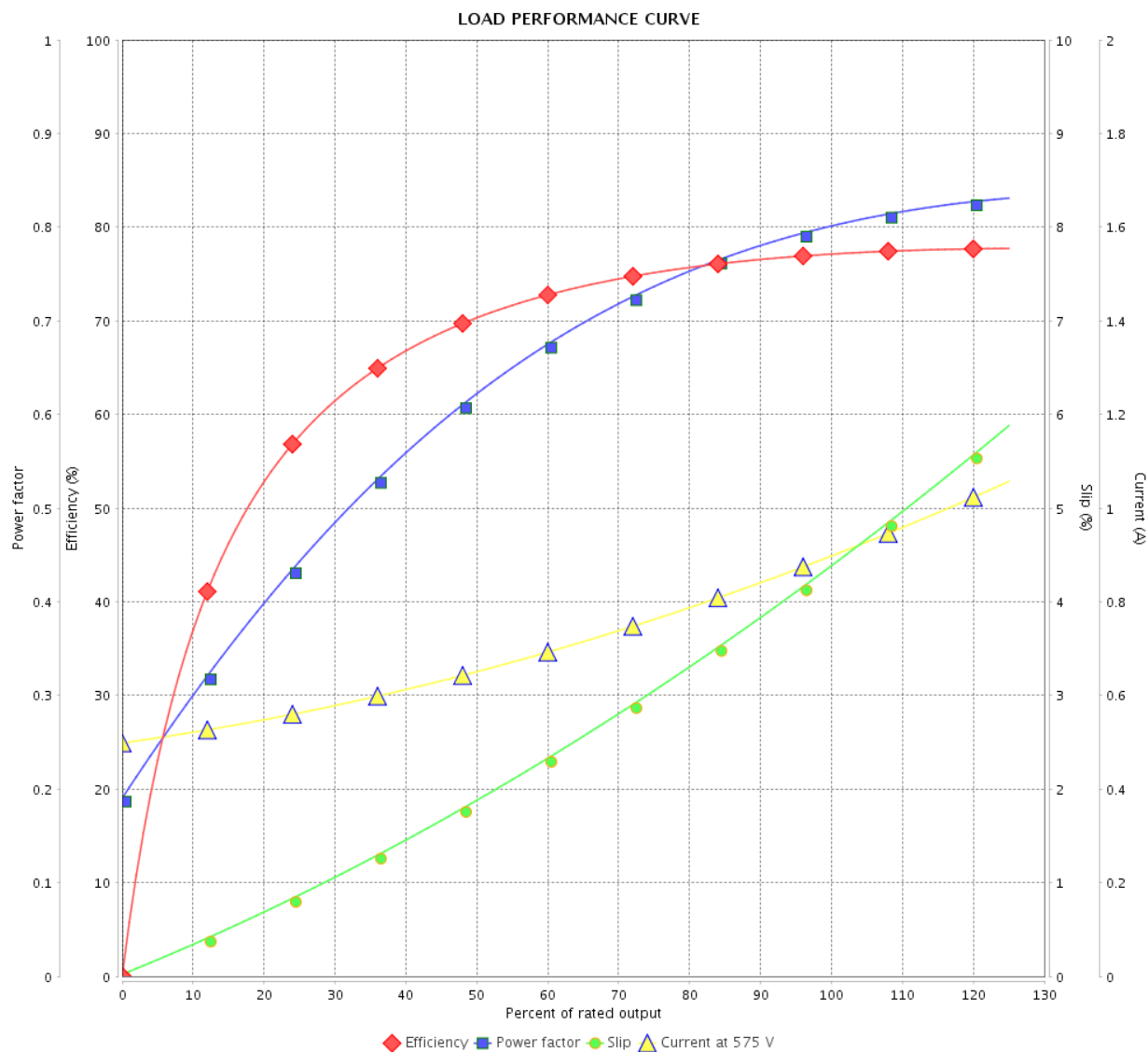
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14451786



Performance : 575 V 60 Hz 2P

Rated current : 0.896 A  
 LRC : 8.1  
 Rated torque : 0.158 kgfm  
 Locked rotor torque : 350 %  
 Breakdown torque : 360 %  
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0009 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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