

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code	: 13377281		
Frame	: 56	Cooling method	: IC01 - ODP		
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>	: 9.4 kg		
		Moment of inertia (J)	: 0.0025 kgm <sup>2</sup>		
Output [HP]	0.75				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.07				
L. R. Amperes [A]	6.75				
LRC [A]	6.3x(Code K)				
No load current [A]	0.880				
Rated speed [RPM]	1755				
Slip [%]	2.50				
Rated torque [kgfm]	0.310				
Locked rotor torque [%]	229				
Breakdown torque [%]	300				
Service factor	1.25				
Temperature rise	80 K				
Locked rotor time	23s (cold) 13s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%				
	50%	66.0			
	75%	72.0			
	100%	75.5			
Power Factor	25%				
	50%	0.45			
	75%	0.58			
	100%	0.68			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 25 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 34 kgf	
Lubrication interval	: -	-			
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
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# LOAD PERFORMANCE CURVE

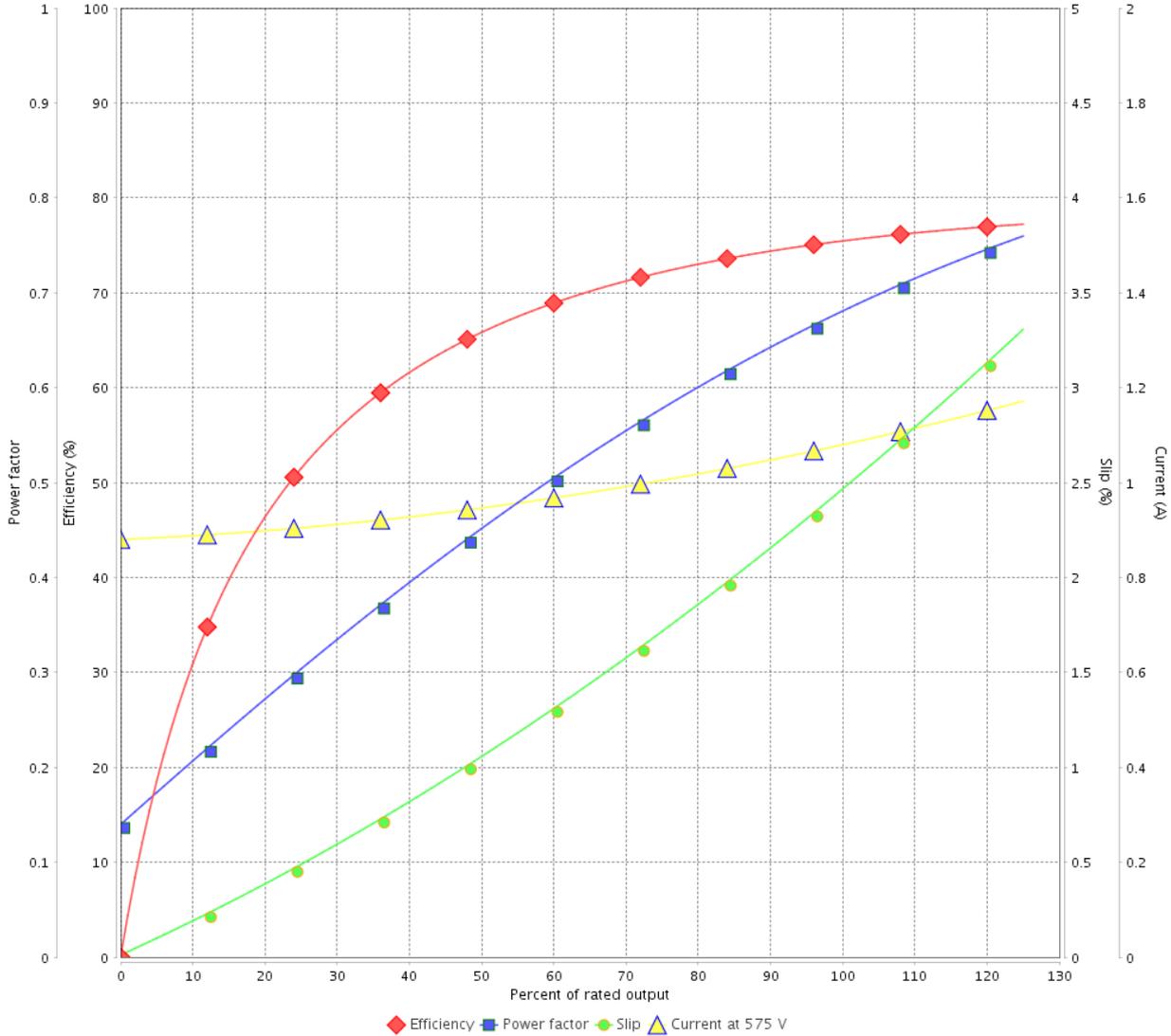
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13377281

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 1.07 A  
 LRC : 6.3  
 Rated torque : 0.310 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 300 %  
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0025 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.25  
 Temperature rise : 80 K

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