

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Centrifugal Pump Three-Phase		Product code : 10290133	
Frame	: B56C		Locked rotor time	: 18s (cold) 10s (hot)	
Output	: 0.5 HP (0.37 kW)		Temperature rise	: 80 K	
Poles	: 2		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 0.680 A		Protection degree	: IP55	
L. R. Amperes	: 5.44 A		Cooling method	: IC411 - TEFC	
LRC	: 8.0x(Code M)		Mounting	: F-1	
No load current	: 0.400 A		Rotation <sup>1</sup>	: CCW	
Rated speed	: 3470 rpm		Starting method	: Direct On Line	
Slip	: 3.61 %		Approx. weight <sup>3</sup>	: 10.4 kg	
Rated torque	: 0.105 kgfm				
Locked rotor torque	: 430 %				
Breakdown torque	: 440 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0013 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	57.5	66.0	70.0	Max. traction : 9 kgf	
Power Factor	0.64	0.74	0.80	Max. compression : 20 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 2RS		6202 2RS	
Sealing	:	V'Ring		V'Ring	
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>		
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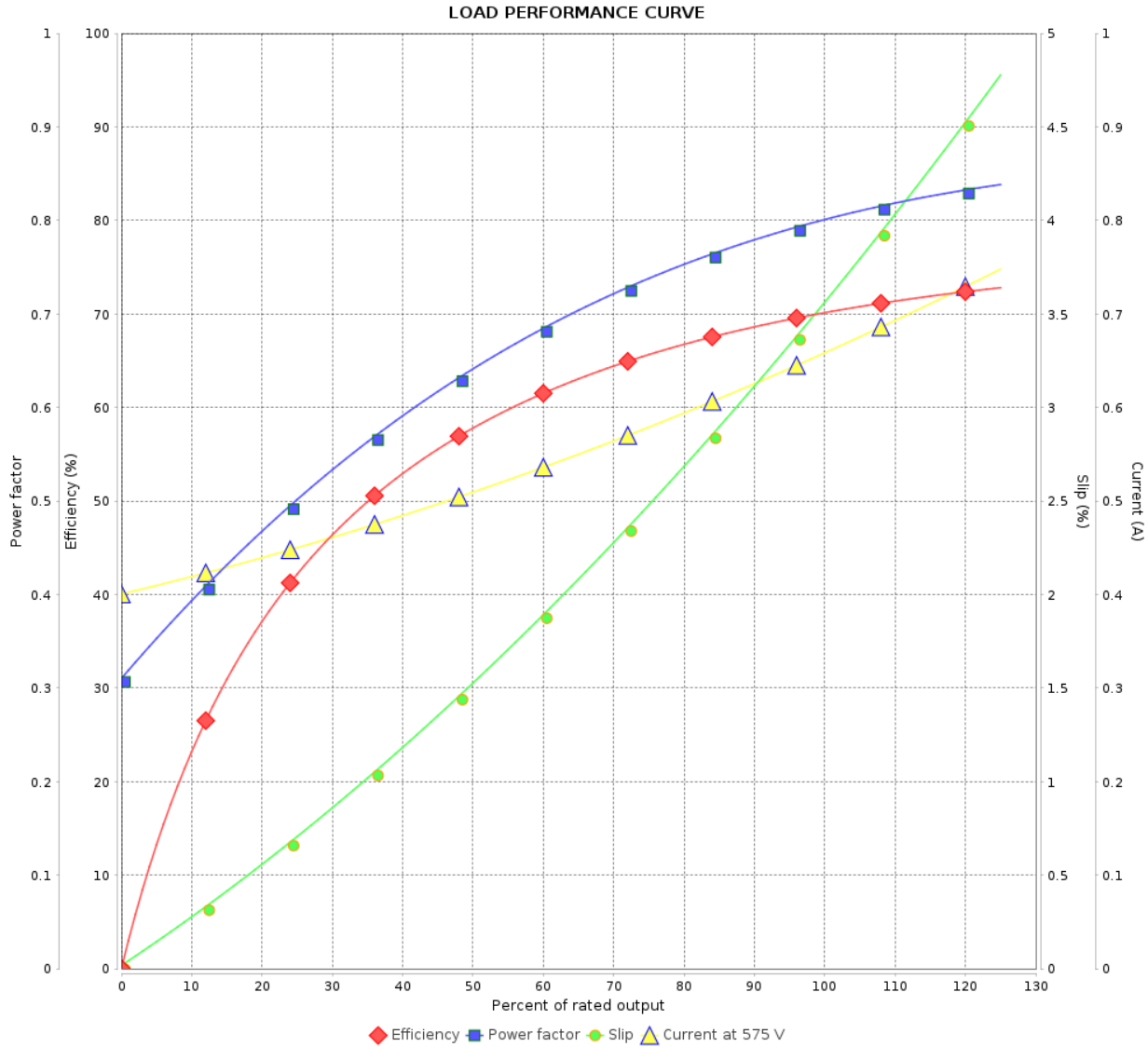
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Three-Phase Product code : 10290133



Performance : 575 V 60 Hz 2P

Rated current : 0.680 A  
 LRC : 8.0  
 Rated torque : 0.105 kgfm  
 Locked rotor torque : 430 %  
 Breakdown torque : 440 %  
 Rated speed : 3470 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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