

# 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					
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	Date
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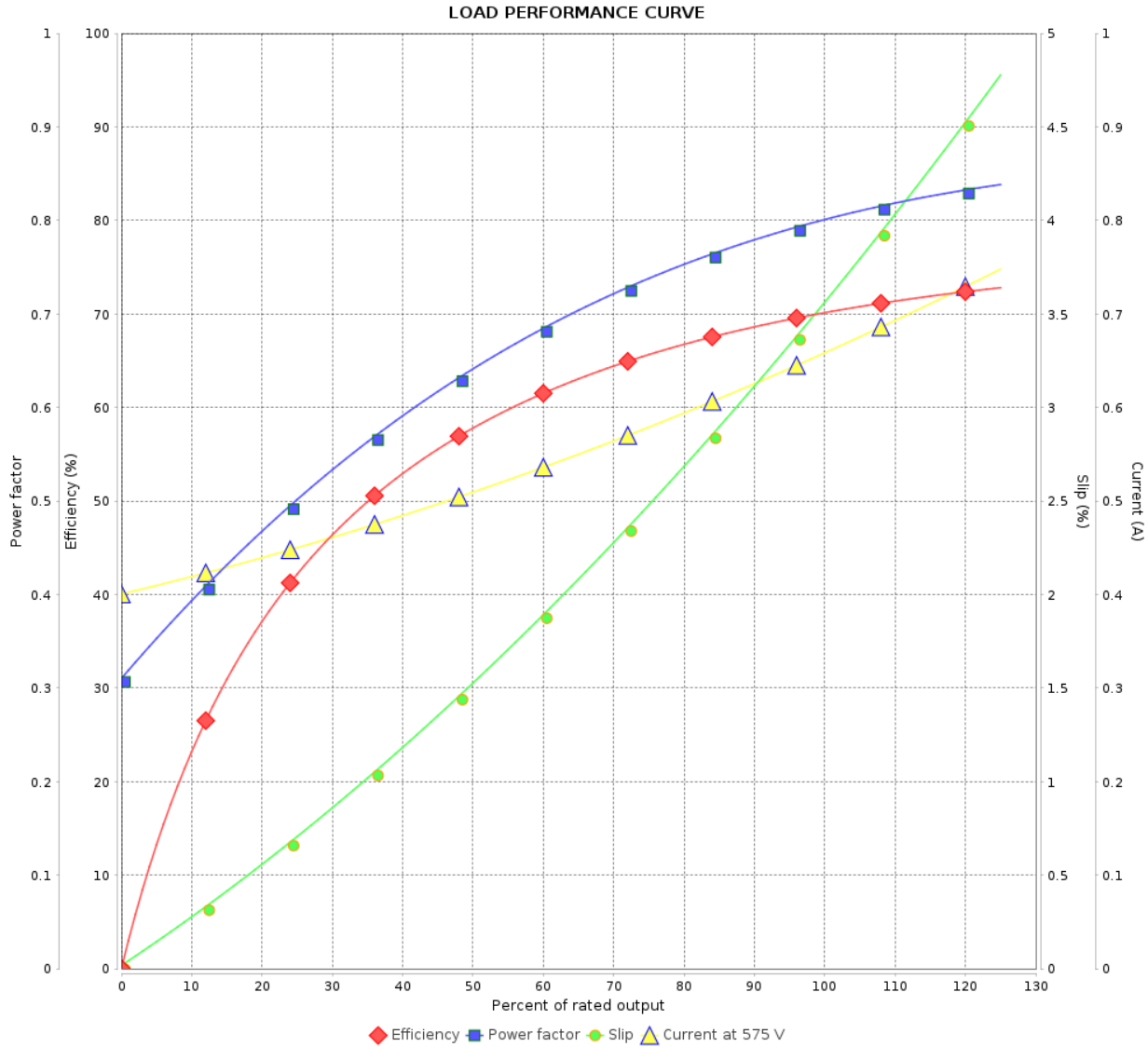
# LOAD PERFORMANCE CURVE

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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