

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 14029902	
Frame		: 213/5JM	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> : 63.8 kg	
Design		: B	Moment of inertia (J) : 0.0232 kgm <sup>2</sup>	
Output [HP]		15		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		13.8		
L. R. Amperes [A]		93.6		
LRC [A]		6.8x(Code G)		
No load current [A]		4.93		
Rated speed [RPM]		3535		
Slip [%]		1.81		
Rated torque [kgfm]		3.08		
Locked rotor torque [%]		210		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level <sup>2</sup>		66.0 dB(A)		
Efficiency (%)	25%			
	50%	90.2		
	75%	90.2		
	100%	90.2		
Power Factor	25%			
	50%	0.77		
	75%	0.86		
	100%	0.89		
Bearing type		: Drive end 6209 ZZ Non drive end 6206 ZZ	Foundation loads	
Sealing		: Without Without Bearing Seal Bearing Seal	Max. traction : 127 kgf	
Lubrication interval		: - -	Max. compression : 191 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

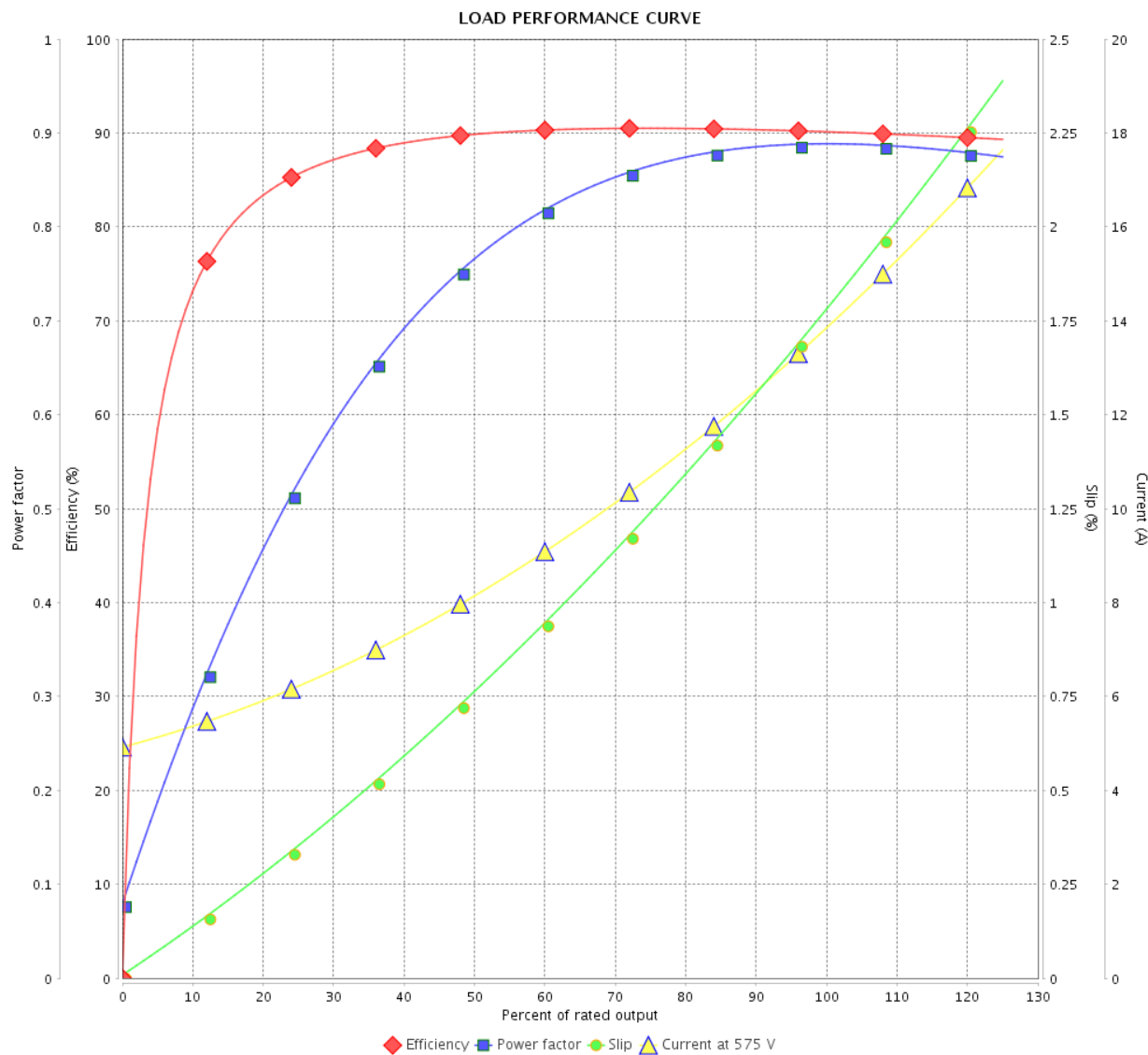
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium  
Efficiency Three-Phase

Product code : 14029902



Performance : 575 V 60 Hz 2P

Rated current : 13.8 A  
LRC : 6.8  
Rated torque : 3.08 kgfm  
Locked rotor torque : 210 %  
Breakdown torque : 280 %  
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0232 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

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