

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer					
Product line	: Jet Pump - J type Standard Efficiency Three-Phase	Product code :	13979067		
Frame	: 56J	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: CCW		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 11.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0027 kgm <sup>2</sup>		
Output [HP]	0.75				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.976				
L. R. Amperes [A]	6.73				
LRC [A]	6.9x(Code K)				
No load current [A]	0.720				
Rated speed [RPM]	1755				
Slip [%]	2.50				
Rated torque [kgfm]	0.310				
Locked rotor torque [%]	240				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%				
	50%	72.0			
	75%	77.0			
	100%	78.5			
Power Factor	25%				
	50%	0.48			
	75%	0.61			
	100%	0.72			
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 24 kgf	
Lubrication interval	: -	-	Max. compression	: 35 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>		
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

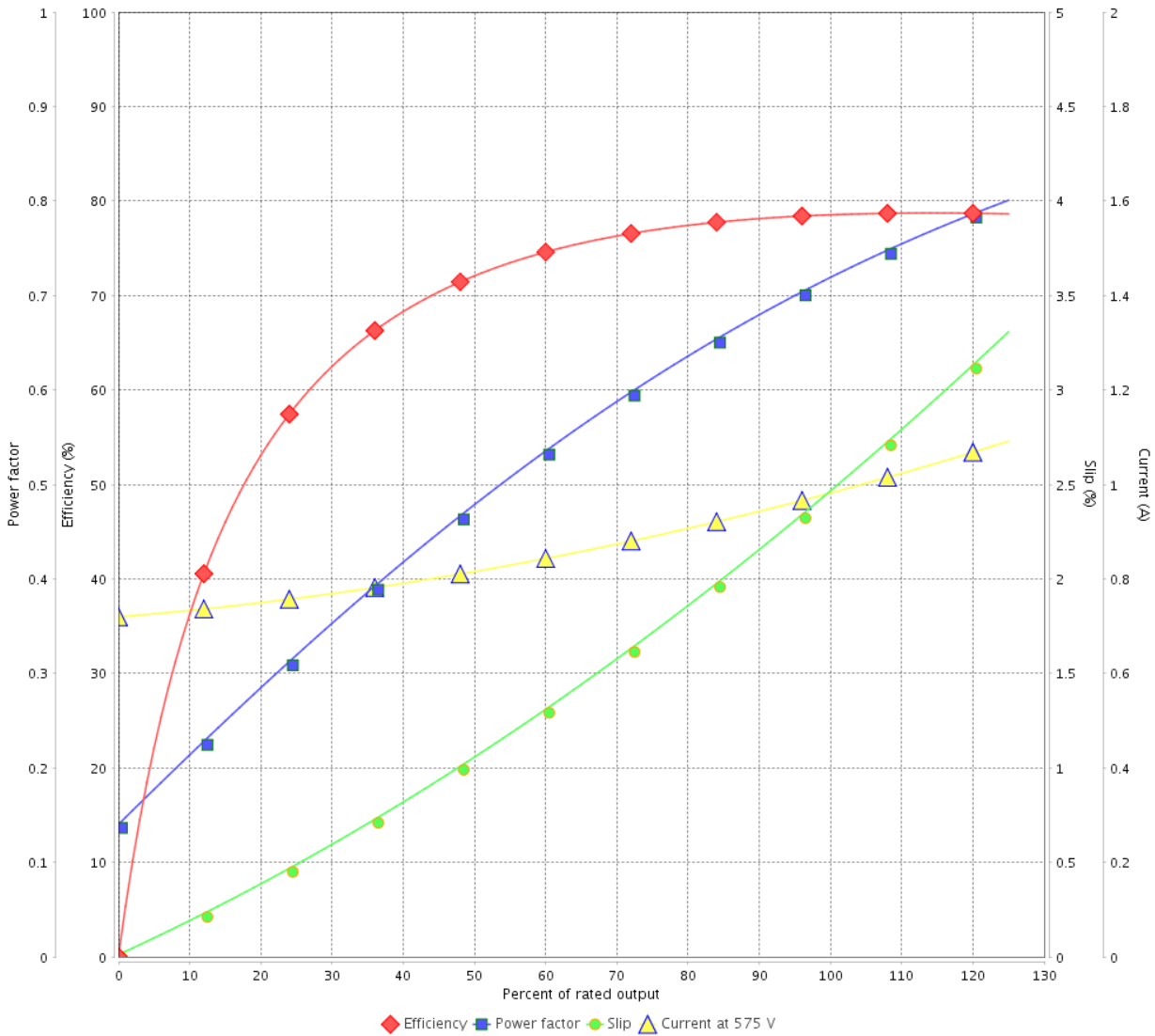


Customer :

Product line : Jet Pump - J type Standard  
Efficiency Three-Phase

Product code : 13979067

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 0.976 A  
LRC : 6.9  
Rated torque : 0.310 kgfm  
Locked rotor torque : 240 %  
Breakdown torque : 300 %  
Rated speed : 1755 rpm

Moment of inertia (J) : 0.0027 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K

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