

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code :	15366042		
Frame	: W56J	Cooling method	: IC01 - ODP		
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>	: 6.5 kg		
		Moment of inertia (J)	: 0.0006 kgm <sup>2</sup>		
Output [HP]	0.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.703				
L. R. Amperes [A]	5.13				
LRC [A]	7.3x(Code M)				
No load current [A]	0.480				
Rated speed [RPM]	3450				
Slip [%]	4.17				
Rated torque [kgfm]	0.105				
Locked rotor torque [%]	370				
Breakdown torque [%]	400				
Service factor	1.60				
Temperature rise	80 K				
Locked rotor time	43s (cold) 24s (hot)				
Noise level <sup>2</sup>	62.0 dB(A)				
Efficiency (%)	25%				
	50%	62.0			
	75%	68.0			
	100%	73.4			
Power Factor	25%				
	50%	0.53			
	75%	0.65			
	100%	0.72			
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal	Without Bearing Seal	Max. traction	: 10 kgf	
Lubrication interval	: -	-	Max. compression	: 16 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

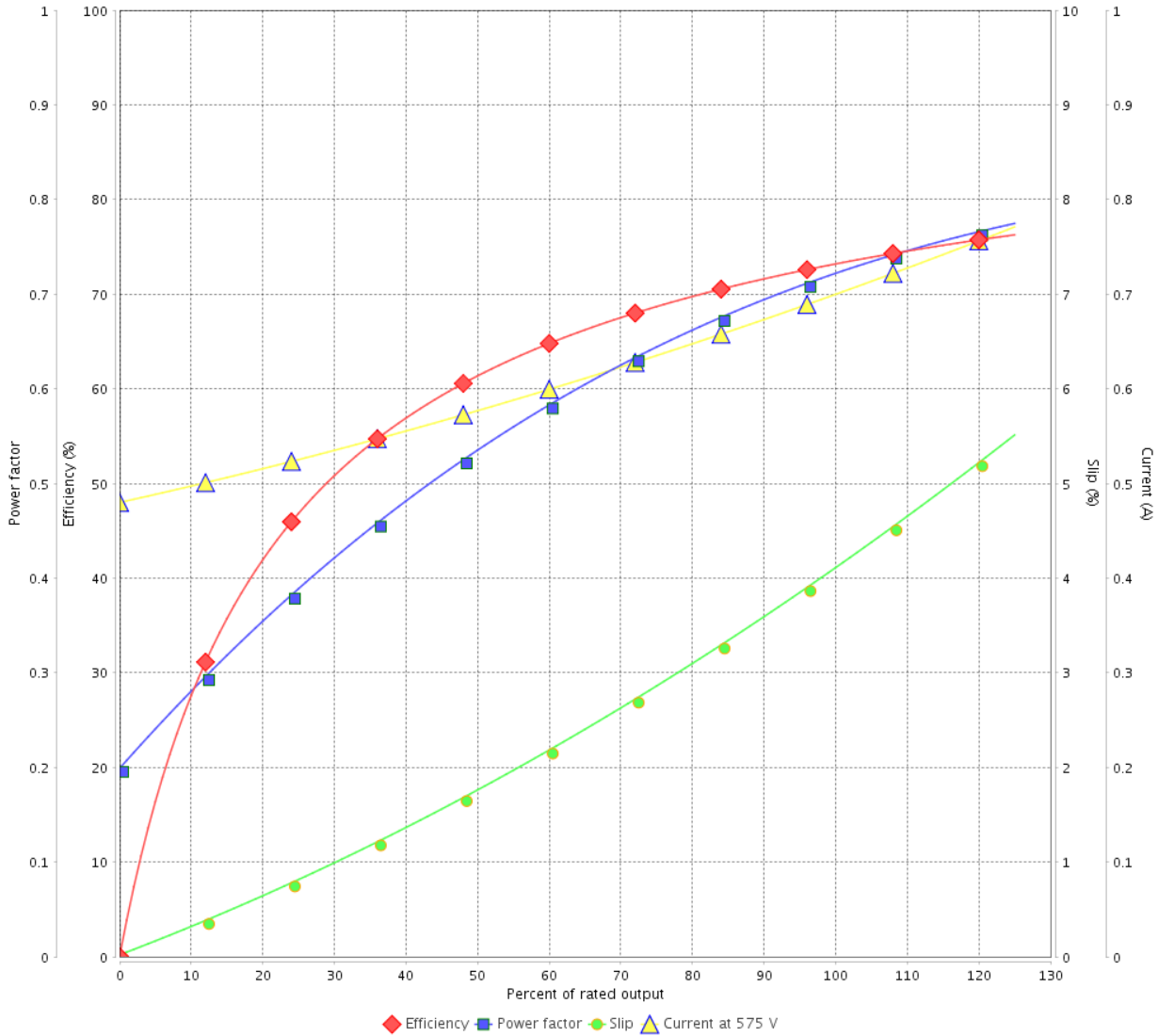


Customer :

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

Product code : 15366042

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 0.703 A  
LRC : 7.3  
Rated torque : 0.105 kgfm  
Locked rotor torque : 370 %  
Breakdown torque : 400 %  
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.60  
Temperature rise : 80 K

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