

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Premium Efficiency Three-Phase		Product code : 16039609
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> : 8.8 kg		
		Moment of inertia (J) : 0.0010 kgm <sup>2</sup>		
Output [HP]		1		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.30		
L. R. Amperes [A]		10.8		
LRC [A]		8.3x(Code M)		
No load current [A]		0.800		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.210		
Locked rotor torque [%]		400		
Breakdown torque [%]		409		
Service factor		1.40		
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level <sup>2</sup>		62.0 dB(A)		
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%			
	50%	0.55		
	75%	0.68		
	100%	0.75		
Bearing type : 6203 2RS		Drive end	Non drive end	Foundation loads
Sealing : Without				Max. traction : 23 kgf
		Bearing Seal	Bearing Seal	Max. compression : 32 kgf
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
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# LOAD PERFORMANCE CURVE

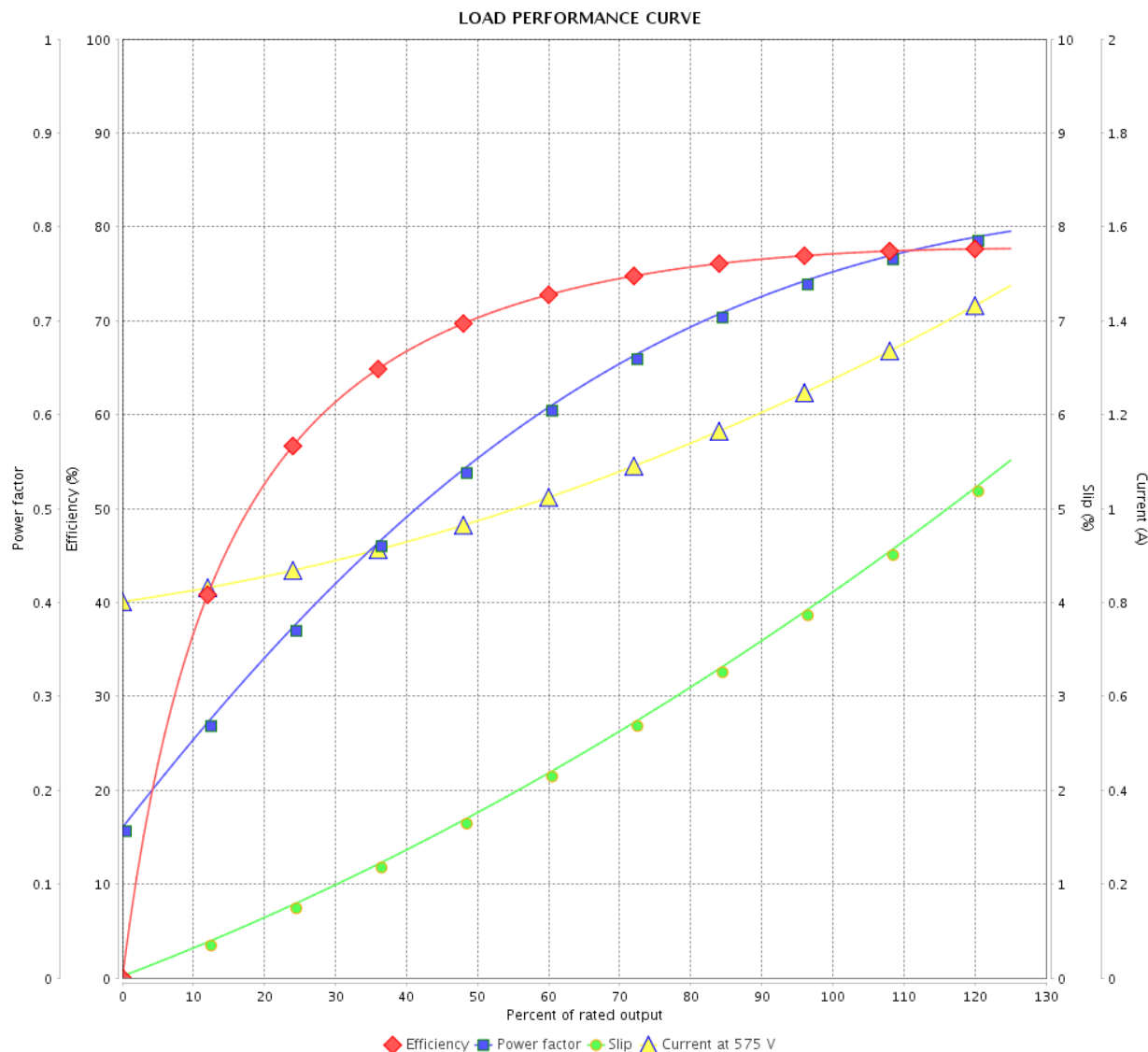
## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 16039609



Performance : 575 V 60 Hz 2P

Rated current : 1.30 A  
LRC : 8.3  
Rated torque : 0.210 kgfm  
Locked rotor torque : 400 %  
Breakdown torque : 409 %  
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0010 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.40  
Temperature rise : 80 K

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