

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Premium Efficiency Three-Phase		Product code : 13870568
Frame	: W56J	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: W-6	
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>	: 9.5 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm <sup>2</sup>	
Output [HP]	0.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.622			
L. R. Amperes [A]	3.98			
LRC [A]	6.4x(Code J)			
No load current [A]	0.397			
Rated speed [RPM]	1730			
Slip [%]	3.89			
Rated torque [kgfm]	0.210			
Locked rotor torque [%]	229			
Breakdown torque [%]	310			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	36s (cold) 20s (hot)			
Noise level <sup>2</sup>	50.0 dB(A)			
Efficiency (%)	25%			
	50%	74.0		
	75%	77.0		
	100%	78.5		
Power Factor	25%			
	50%	0.54		
	75%	0.67		
	100%	0.76		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 16 kgf	
Lubrication interval	: -	-	Max. compression : 25 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.	
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# LOAD PERFORMANCE CURVE

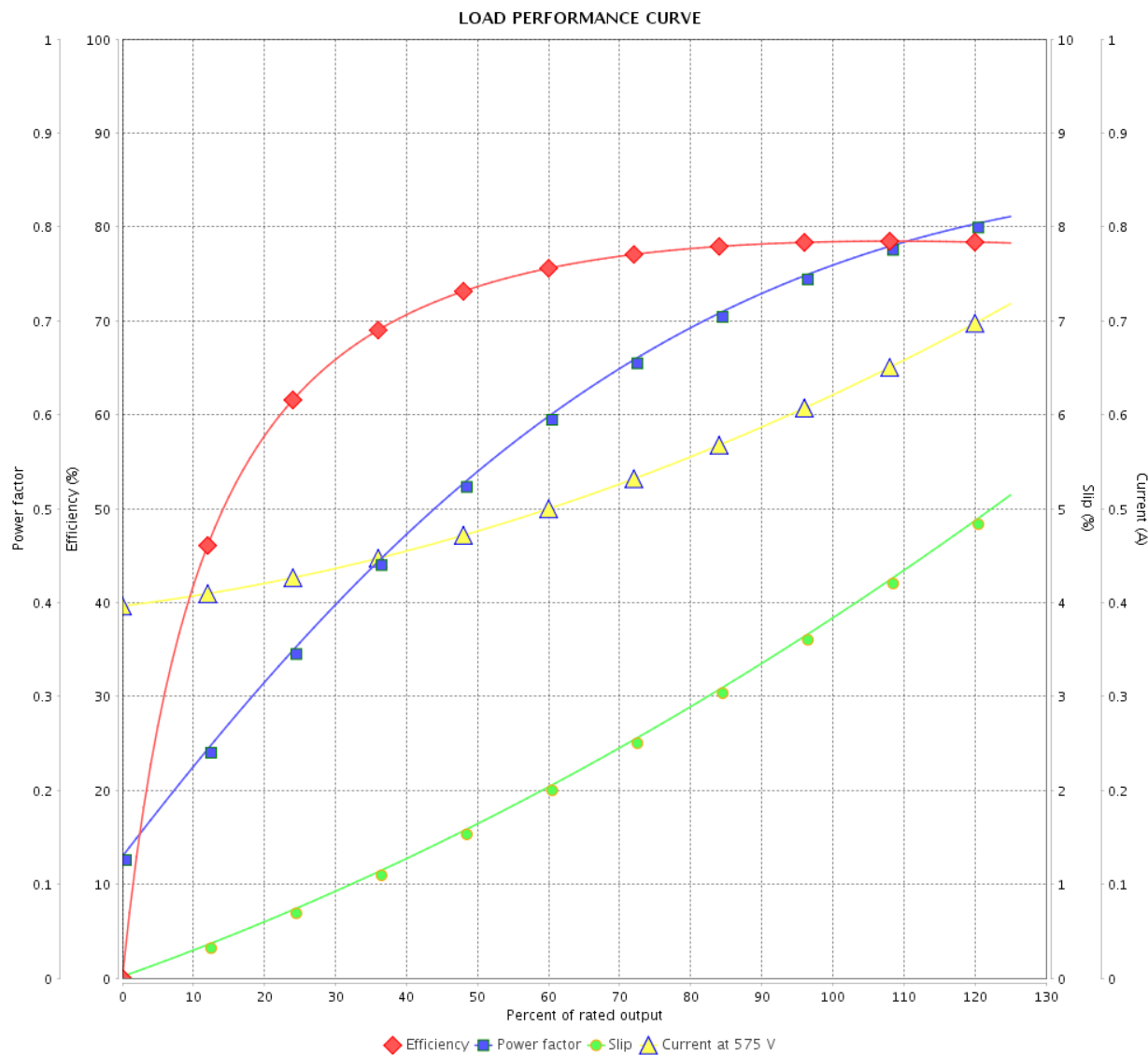
## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13870568



Performance : 575 V 60 Hz 4P

Rated current : 0.622 A  
LRC : 6.4  
Rated torque : 0.210 kgfm  
Locked rotor torque : 229 %  
Breakdown torque : 310 %  
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0022 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K

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