

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Single-Phase	Product code :	13950889
Frame	: 56J	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>	: 19.6 kg	
Design	: L	Moment of inertia (J)	: 0.0036 kgm <sup>2</sup>	
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230			
Rated current [A]	13.2			
L. R. Amperes [A]	106			
LRC [A]	8.0x(Code K)			
No load current [A]	4.50			
Rated speed [RPM]	3485			
Slip [%]	3.19			
Rated torque [kgfm]	0.625			
Locked rotor torque [%]	200			
Breakdown torque [%]	250			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level <sup>2</sup>	58.0 dB(A)			
Efficiency (%)	25%			
	50%	71.0		
	75%	76.0		
	100%	78.0		
Power Factor	25%			
	50%	0.85		
	75%	0.91		
	100%	0.93		
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 39 kgf		
		Max. compression : 59 kgf		
Lubrication interval	: -			
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>				
Rev.	Changes Summary		Performed	Checked
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# LOAD PERFORMANCE CURVE

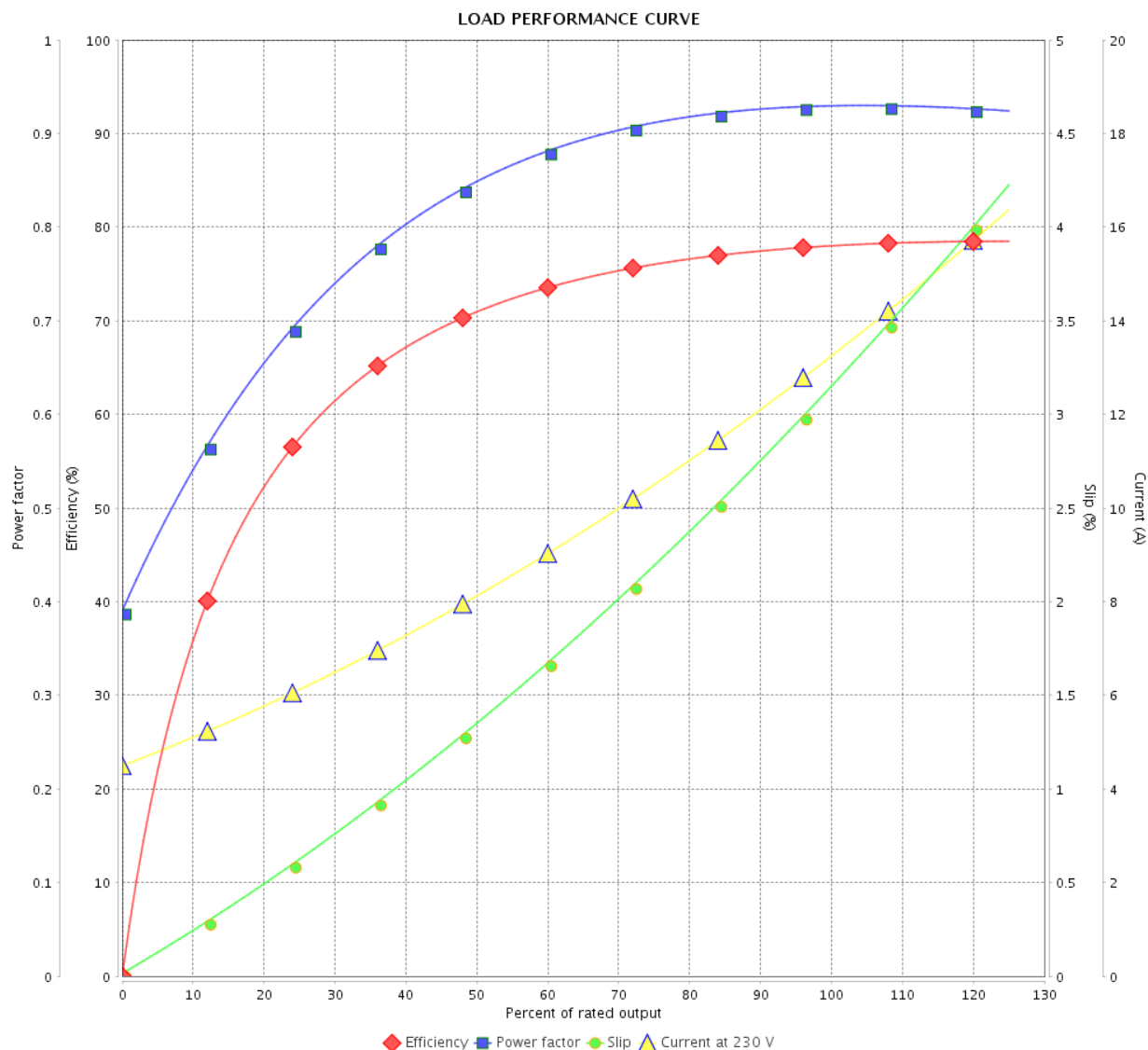
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 13950889



Performance : 230 V 60 Hz 2P

Rated current : 13.2 A  
 LRC : 8.0  
 Rated torque : 0.625 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 3485 rpm

Moment of inertia (J) : 0.0036 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : L

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