

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Single-Phase	Product code : 14212763		
Frame	: W56C	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> : 7.9 kg		
Design	: N	Moment of inertia (J) : 0.0008 kgm <sup>2</sup>		
Output [HP]		0.33		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		5.00/2.76-2.50		
L. R. Amperes [A]		37.0/20.4-18.5		
LRC [A]		7.4x(Code P)		
No load current [A]		3.40/1.47-1.70		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.068		
Locked rotor torque [%]		300		
Breakdown torque [%]		300		
Service factor				
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level <sup>2</sup>		56.0 dB(A)		
Efficiency (%)	25%			
	50%	49.0		
	75%	56.0		
	100%	59.0		
Power Factor	25%			
	50%	0.57		
	75%	0.66		
	100%	0.74		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 2 kgf		
Lubrication interval	: - -	Max. compression : 10 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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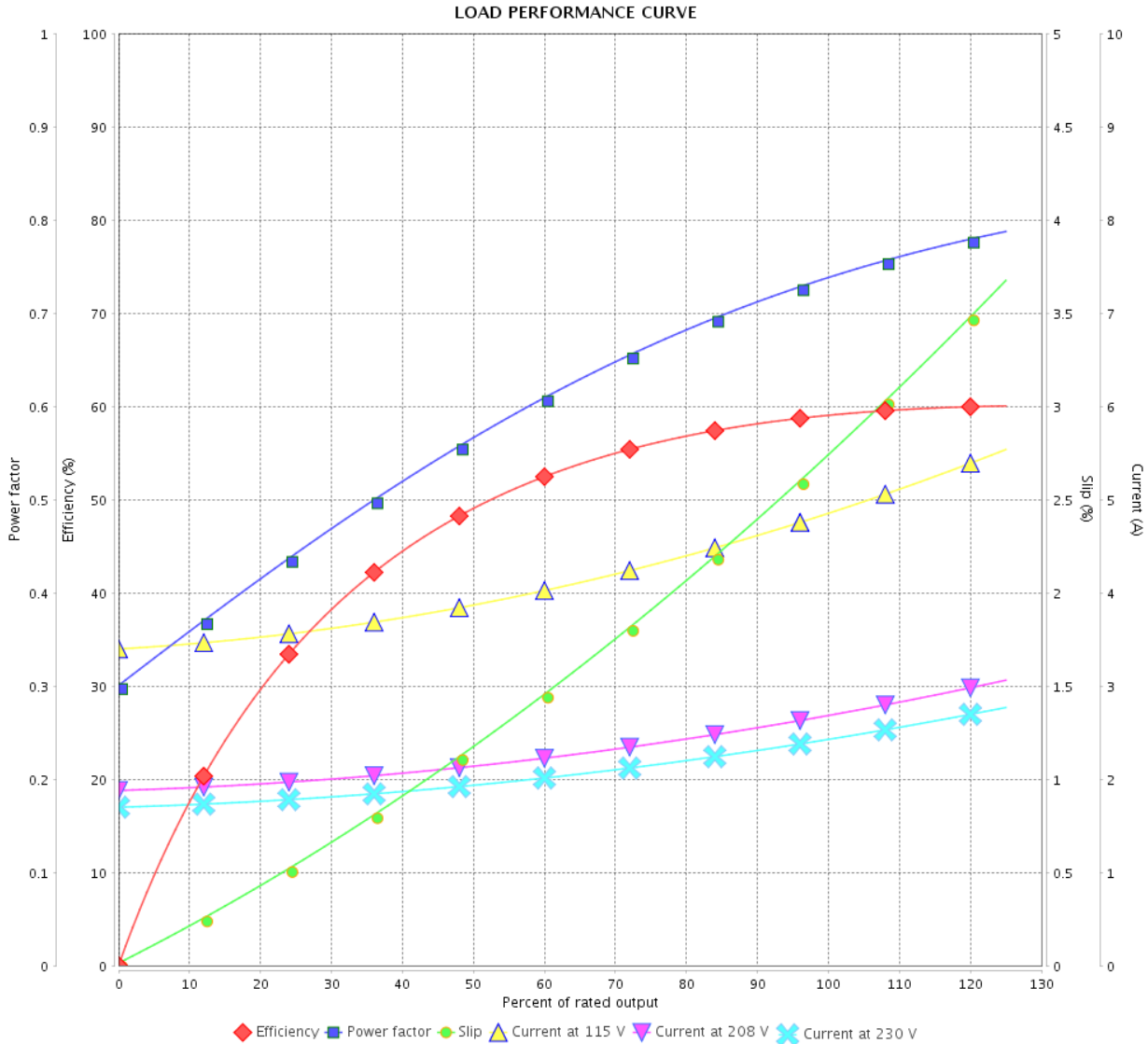
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14212763



Performance : 115/208-230 V 60 Hz 2P

Rated current : 5.00/2.76-2.50 A  
 LRC : 7.4  
 Rated torque : 0.068 kgfm  
 Locked rotor torque : 300 %  
 Breakdown torque : 300 %  
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

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