

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Single-Phase	Product code : 14453251		
Frame	: 56C	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> : 11.4 kg		
Design	: N	Moment of inertia (J) : 0.0018 kgm <sup>2</sup>		
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		6.80/3.76-3.40		
L. R. Amperes [A]		58.5/32.3-29.2		
LRC [A]		8.6x(Code K)		
No load current [A]		2.40/1.03-1.20		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.155		
Locked rotor torque [%]		300		
Breakdown torque [%]		300		
Service factor				
Temperature rise		80 K		
Locked rotor time		32s (cold) 18s (hot)		
Noise level <sup>2</sup>		58.0 dB(A)		
Efficiency (%)	25%			
	50%	64.0		
	75%	71.0		
	100%	76.2		
Power Factor	25%			
	50%	0.88		
	75%	0.92		
	100%	0.93		
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 : 9 kgf		
Lubrication interval	: -	Max. compression : 20 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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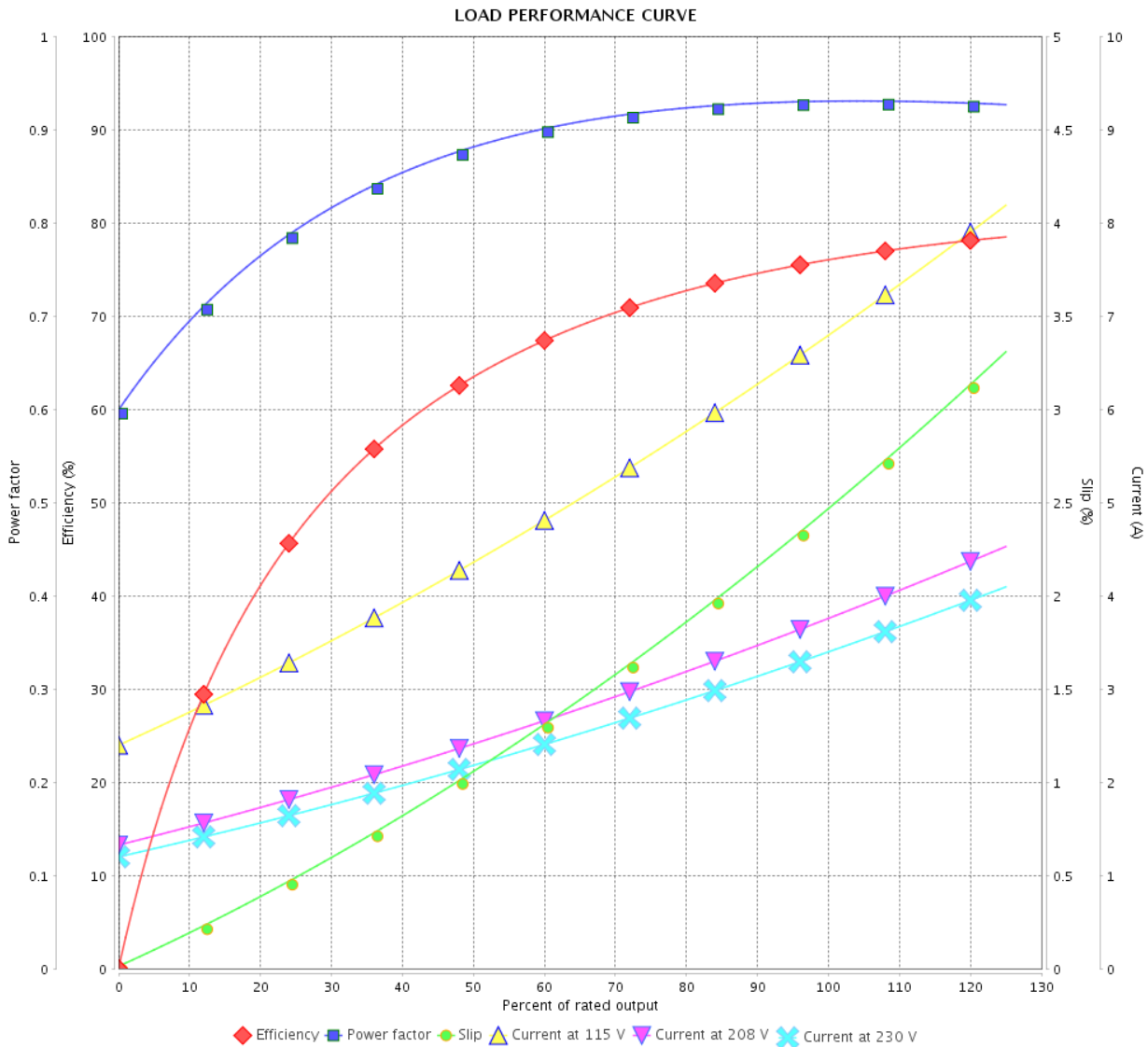
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14453251



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

Rated current : 6.80/3.76-3.40 A  
 LRC : 8.6  
 Rated torque : 0.155 kgfm  
 Locked rotor torque : 300 %  
 Breakdown torque : 300 %  
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0018 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

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