

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 14477578		
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> : 9.7 kg		
Design	: N	Moment of inertia (J) : 0.0011 kgm <sup>2</sup>		
Output [HP]		0.33		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		3.20/1.77-1.60		
L. R. Amperes [A]		28.2/15.6-14.1		
LRC [A]		8.8x(Code L)		
No load current [A]		1.00/0.431-0.500		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.068		
Locked rotor torque [%]		280		
Breakdown torque [%]		300		
Service factor				
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level <sup>2</sup>		56.0 dB(A)		
Efficiency (%)	25%			
	50%	56.0		
	75%	64.0		
	100%	70.5		
Power Factor	25%			
	50%	0.97		
	75%	0.97		
	100%	0.97		
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 : 1 kgf		
Lubrication interval	: - -	Max. compression : 11 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>		
Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision
Date	17/05/2022		1 / 2	

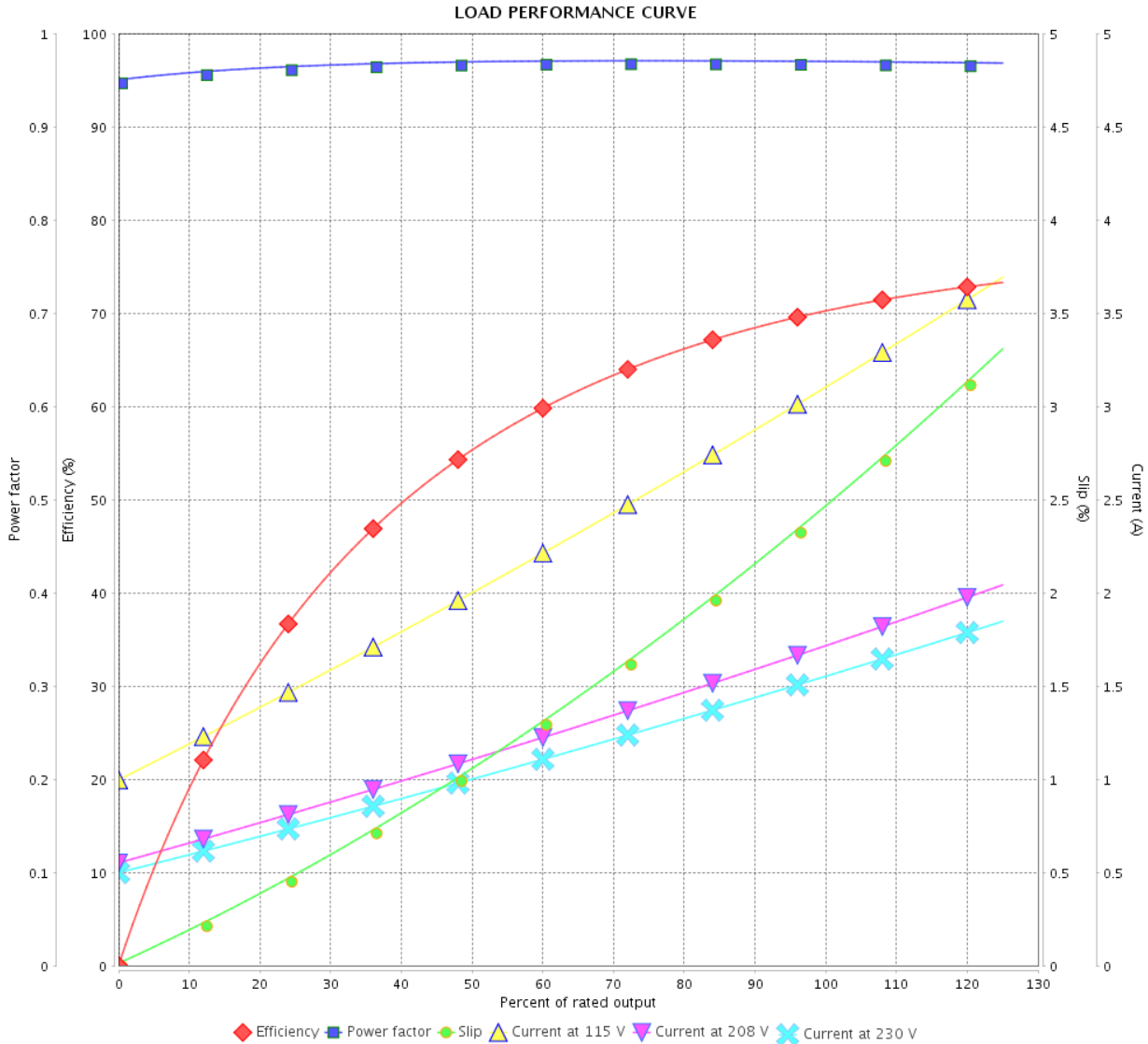
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 14477578



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

Rated current : 3.20/1.77-1.60 A  
 LRC : 8.8  
 Rated torque : 0.068 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 300 %  
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0011 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

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