

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - J type Standard Efficiency Three-Phase	Product code : 14328835		
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> : 8.7 kg		
		Moment of inertia (J) : 0.0016 kgm <sup>2</sup>		
Output [HP]		0.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.718		
L. R. Amperes [A]		4.45		
LRC [A]		6.2x(Code K)		
No load current [A]		0.520		
Rated speed [RPM]		3495		
Slip [%]		2.92		
Rated torque [kgfm]		0.104		
Locked rotor torque [%]		229		
Breakdown torque [%]		290		
Service factor		1.60		
Temperature rise		80 K		
Locked rotor time		59s (cold) 33s (hot)		
Noise level <sup>2</sup>		62.0 dB(A)		
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	70.0		
Power Factor	25%			
	50%	0.52		
	75%	0.65		
	100%	0.74		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 5 kgf		
Lubrication interval	: - -	Max. compression : 14 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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Date	16/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

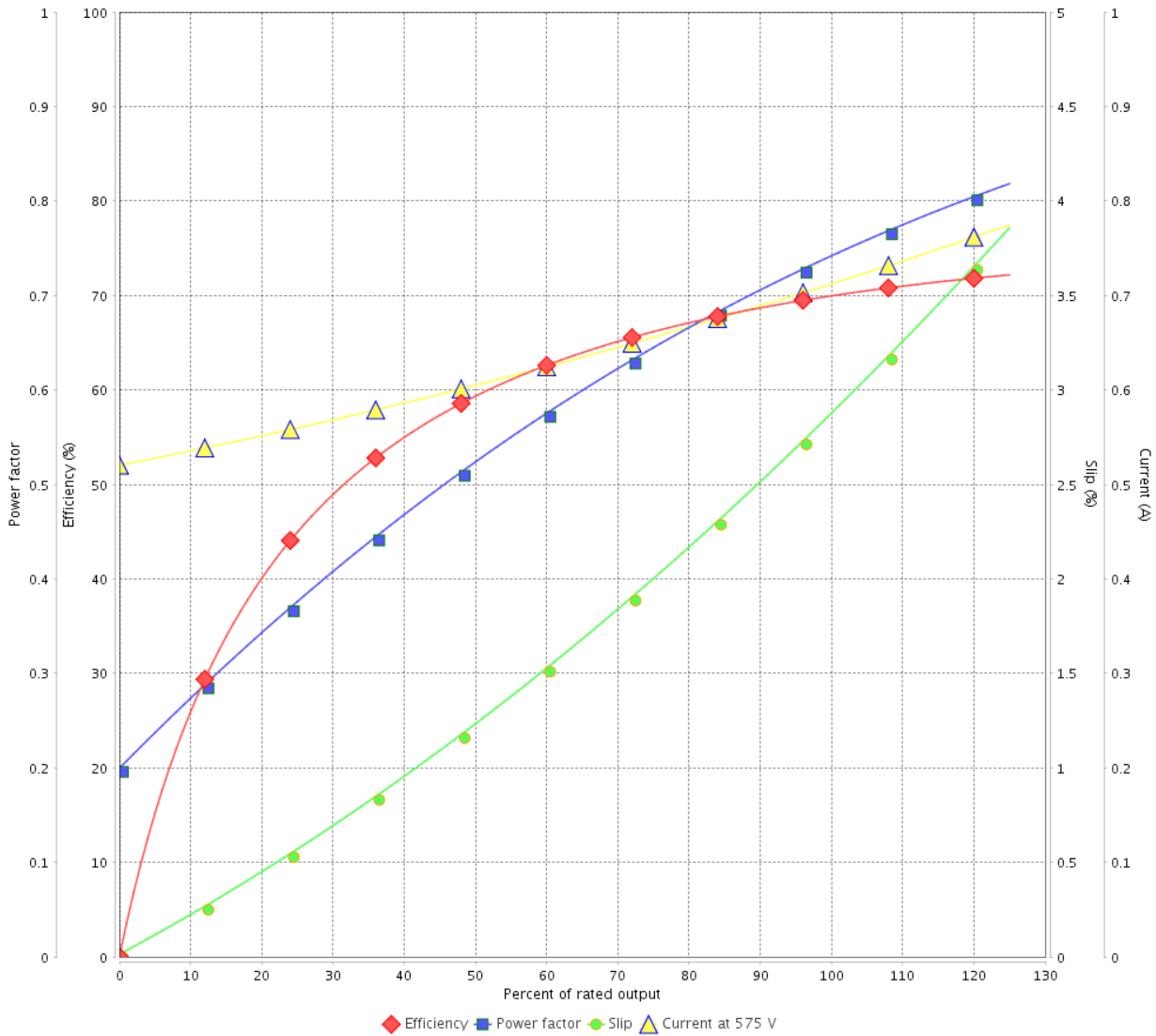


Customer :

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

Product code : 14328835

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 0.718 A  
LRC : 6.2  
Rated torque : 0.104 kgfm  
Locked rotor torque : 229 %  
Breakdown torque : 290 %  
Rated speed : 3495 rpm

Moment of inertia (J) : 0.0016 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.60  
Temperature rise : 80 K

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