

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - J type Standard Efficiency Three-Phase	Product code : 13905944		
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> : 14.8 kg		
Design	: A	Moment of inertia (J) : 0.0040 kgm <sup>2</sup>		
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		3.11		
L. R. Amperes [A]		21.8		
LRC [A]		7.0x(Code J)		
No load current [A]		1.28		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.631		
Locked rotor torque [%]		220		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level <sup>2</sup>		62.0 dB(A)		
Efficiency (%)	25%			
	50%	80.0		
	75%	81.5		
	100%	81.5		
Power Factor	25%			
	50%	0.70		
	75%	0.82		
	100%	0.87		
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 : 43 kgf Max. compression : 58 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	Date
Performed by				
Checked by			Page	Revision
Date	16/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

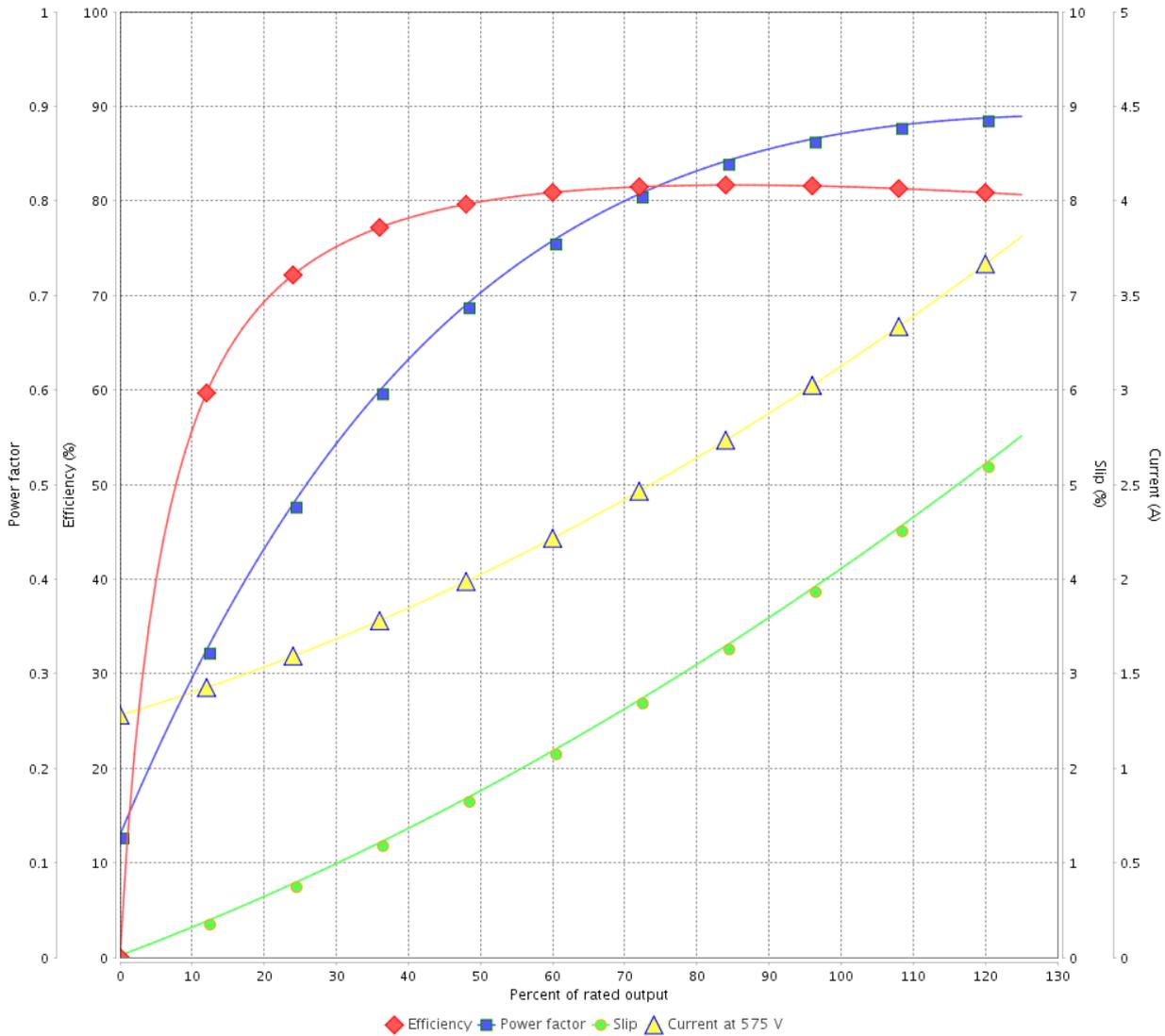


Customer :

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

Product code : 13905944

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 3.11 A  
LRC : 7.0  
Rated torque : 0.631 kgfm  
Locked rotor torque : 220 %  
Breakdown torque : 250 %  
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0040 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				