

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Three-Phase	Product code : 14290275		
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> : 11.5 kg		
Design	: A	Moment of inertia (J) : 0.0014 kgm <sup>2</sup>		
Output [HP]		1.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.69		
L. R. Amperes [A]		14.9		
LRC [A]		8.8x(Code L)		
No load current [A]		0.960		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.316		
Locked rotor torque [%]		400		
Breakdown torque [%]		430		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level <sup>2</sup>		62.0 dB(A)		
Efficiency (%)	25%			
	50%	78.5		
	75%	82.5		
	100%	84.0		
Power Factor	25%			
	50%	0.59		
	75%	0.72		
	100%	0.78		
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 : 38 kgf		
Lubrication interval	: - -	Max. compression : 49 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
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

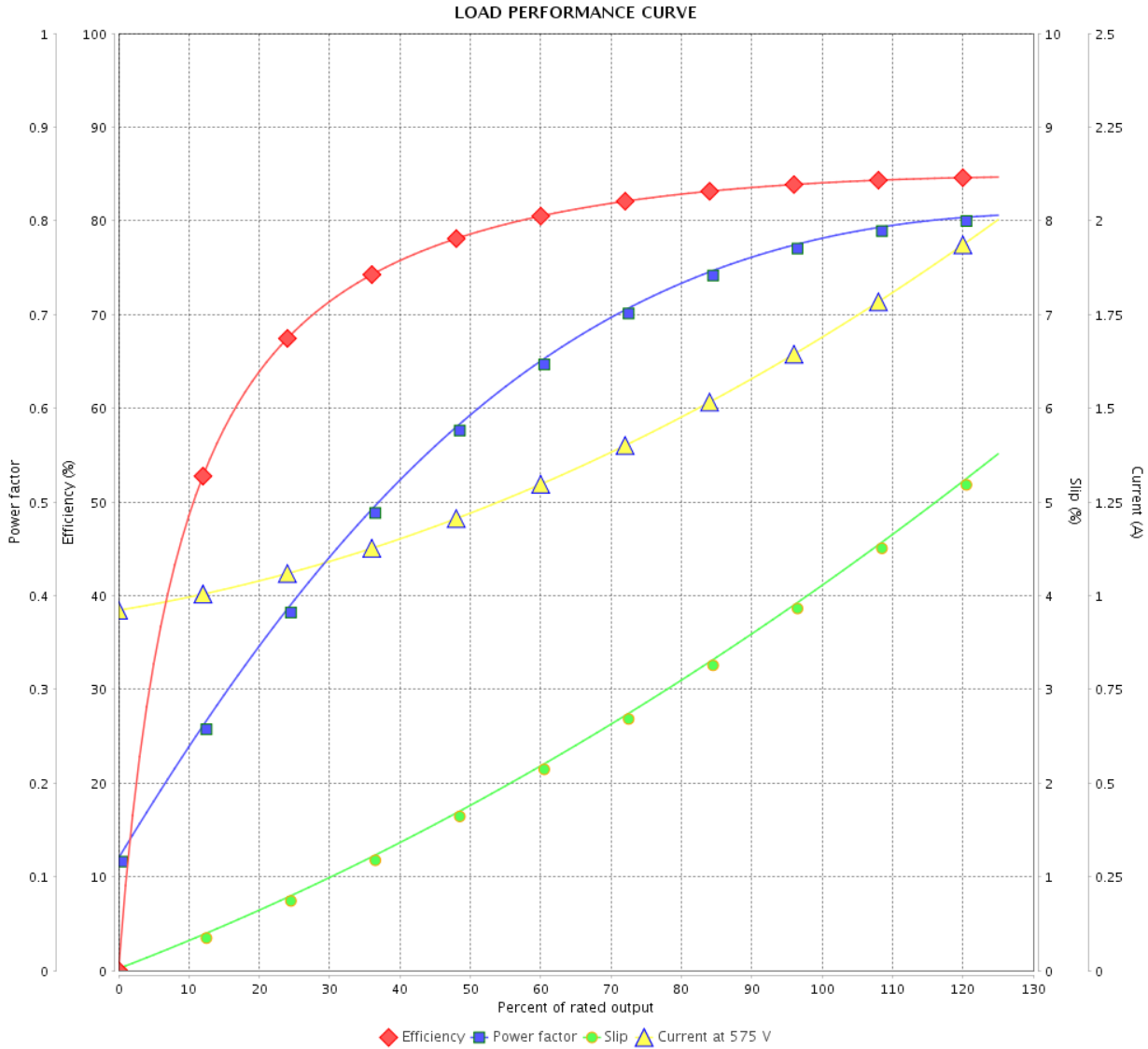
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase      Product code : 14290275



Performance : 575 V 60 Hz 2P

Rated current	: 1.69 A	Moment of inertia (J)	: 0.0014 kgm <sup>2</sup>
LRC	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.316 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.15
Breakdown torque	: 430 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			