

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Three-Phase	Product code : 14513302		
Frame	: W56C	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : W-6		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 7.2 kg		
		Moment of inertia (J) : 0.0006 kgm ²		
Output [HP]		0.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.703		
L. R. Amperes [A]		5.13		
LRC [A]		7.3x(Code M)		
No load current [A]		0.480		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.105		
Locked rotor torque [%]		370		
Breakdown torque [%]		400		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		43s (cold) 24s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%			
	50%	62.0		
	75%	68.0		
	100%	73.4		
Power Factor	25%			
	50%	0.53		
	75%	0.65		
	100%	0.72		
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 : 10 kgf		
		Max. compression : 17 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	17/05/2022		1 / 2	

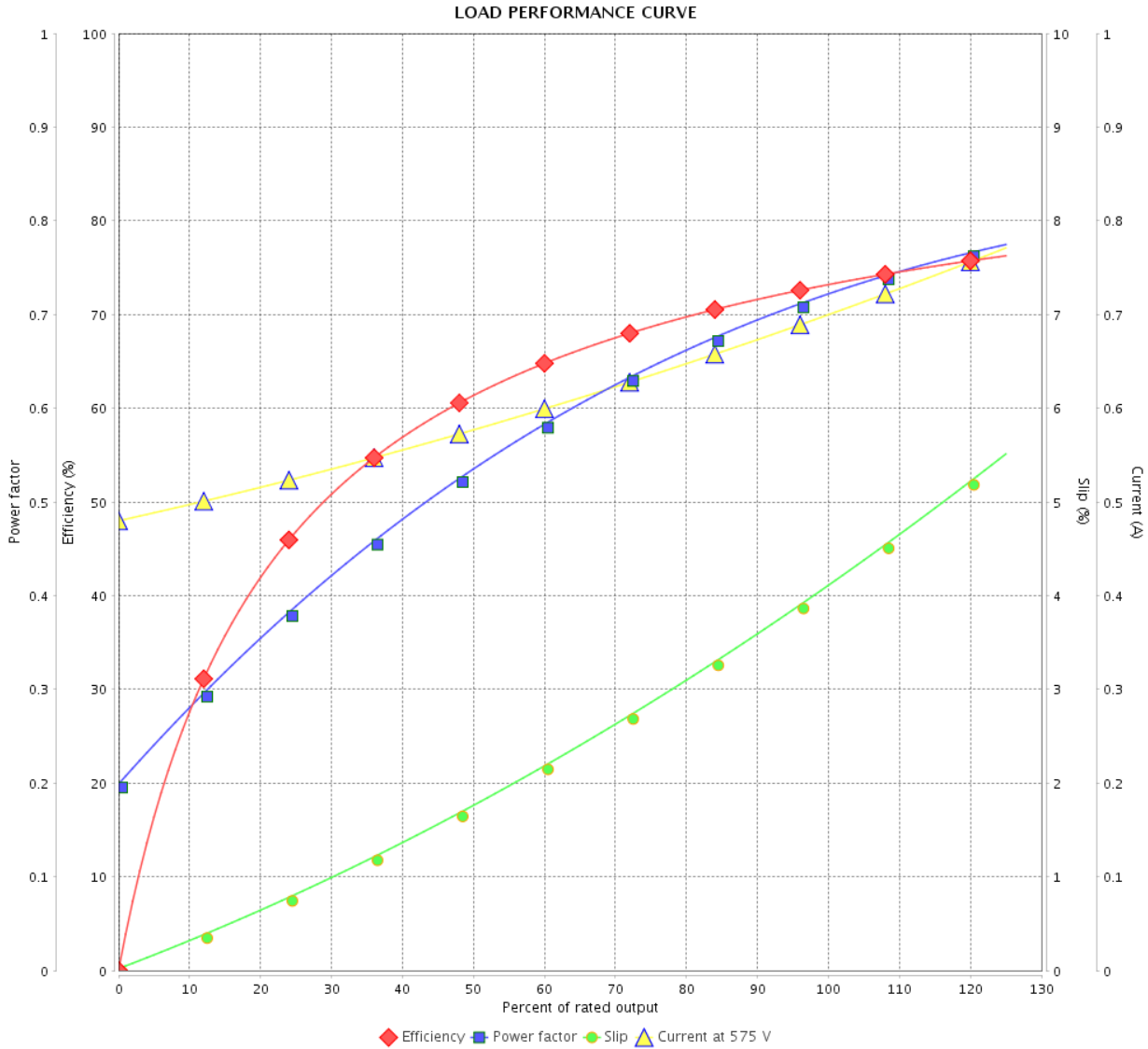
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14513302



Performance : 575 V 60 Hz 2P

Rated current : 0.703 A
 LRC : 7.3
 Rated torque : 0.105 kgfm
 Locked rotor torque : 370 %
 Breakdown torque : 400 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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

