

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Jet Pump - J type Three-Phase	Product code :	13997358		
Frame	: 56J	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
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	: 16.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0046 kgm ²		
Design	: B				
Output [HP]	1.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.62				
L. R. Amperes [A]	13.3				
LRC [A]	8.2x(Code K)				
No load current [A]	0.867				
Rated speed [RPM]	1750				
Slip [%]	2.78				
Rated torque [kgfm]	0.622				
Locked rotor torque [%]	270				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	37s (cold) 21s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	85.5			
	75%	86.5			
	100%	86.5			
Power Factor	25%				
	50%	0.59			
	75%	0.72			
	100%	0.79			
Bearing type	: Drive end : 6203 ZZ	Non drive end : 6202 ZZ	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 52 kgf	
Lubrication interval	: -	-	Max. compression	: 68 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	11/05/2022			1 / 2	

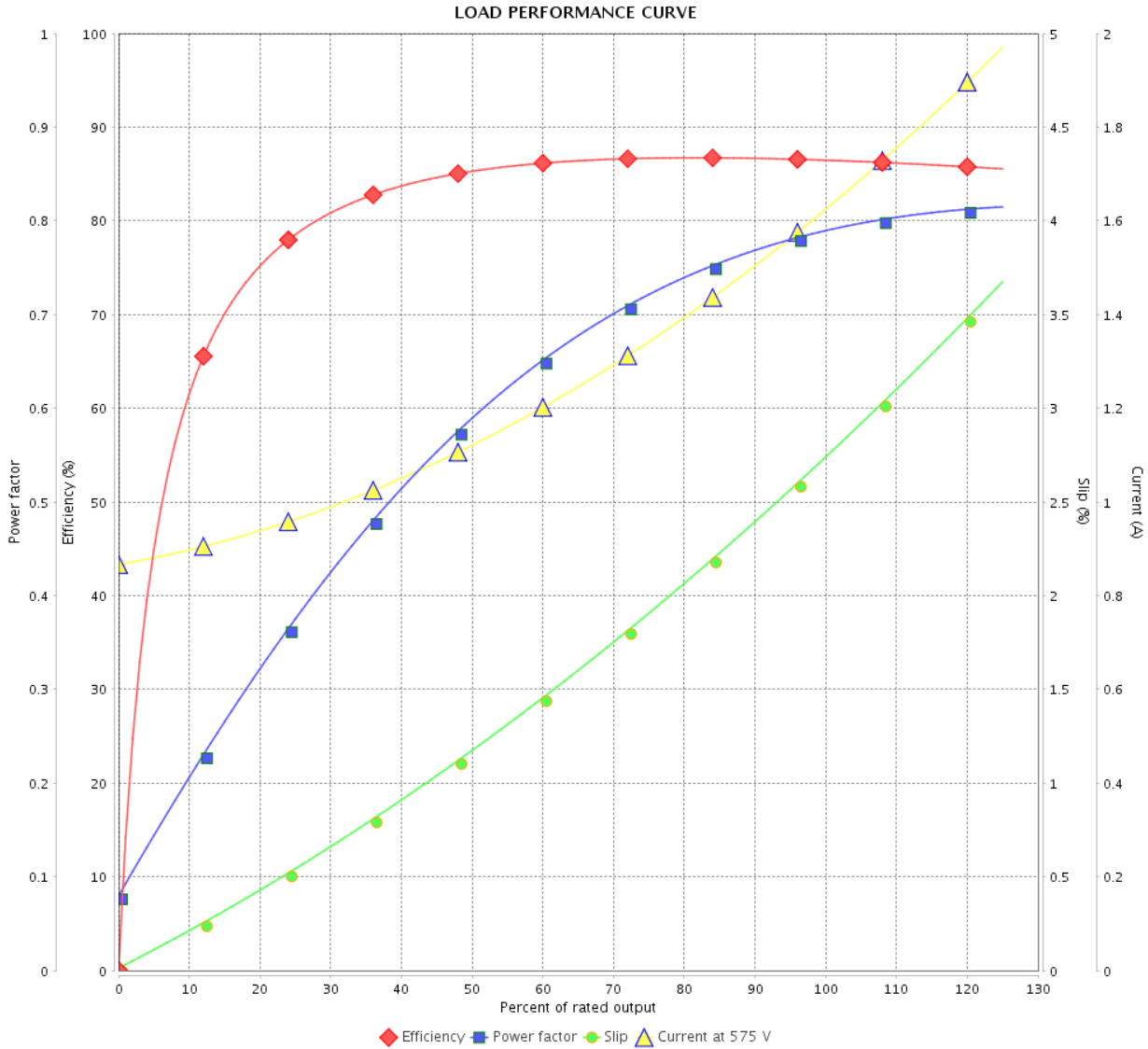
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13997358



Performance : 575 V 60 Hz 4P

Rated current	: 1.62 A	Moment of inertia (J)	: 0.0046 kgm ²
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	11/05/2022			