

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Jet Pump - C type Three-Phase	Product code	: 14123144		
Frame	: 56C	Cooling method	: IC01 - ODP		
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	: 19.0 kg		
Design	: A	Moment of inertia (J)	: 0.0054 kgm ²		
Output [HP]	3				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	2.87				
L. R. Amperes [A]	23.0				
LRC [A]	8.0x(Code J)				
No load current [A]	1.04				
Rated speed [RPM]	3480				
Slip [%]	3.33				
Rated torque [kgfm]	0.626				
Locked rotor torque [%]	229				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	16s (cold) 9s (hot)				
Noise level ²	62.0 dB(A)				
Efficiency (%)	25%				
	50%	84.0			
	75%	85.5			
	100%	85.5			
Power Factor	25%				
	50%	0.76			
	75%	0.86			
	100%	0.90			
Bearing type	: <u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without	Without	Max. traction	: 50 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 69 kgf	
Lubrication interval	: -	-			
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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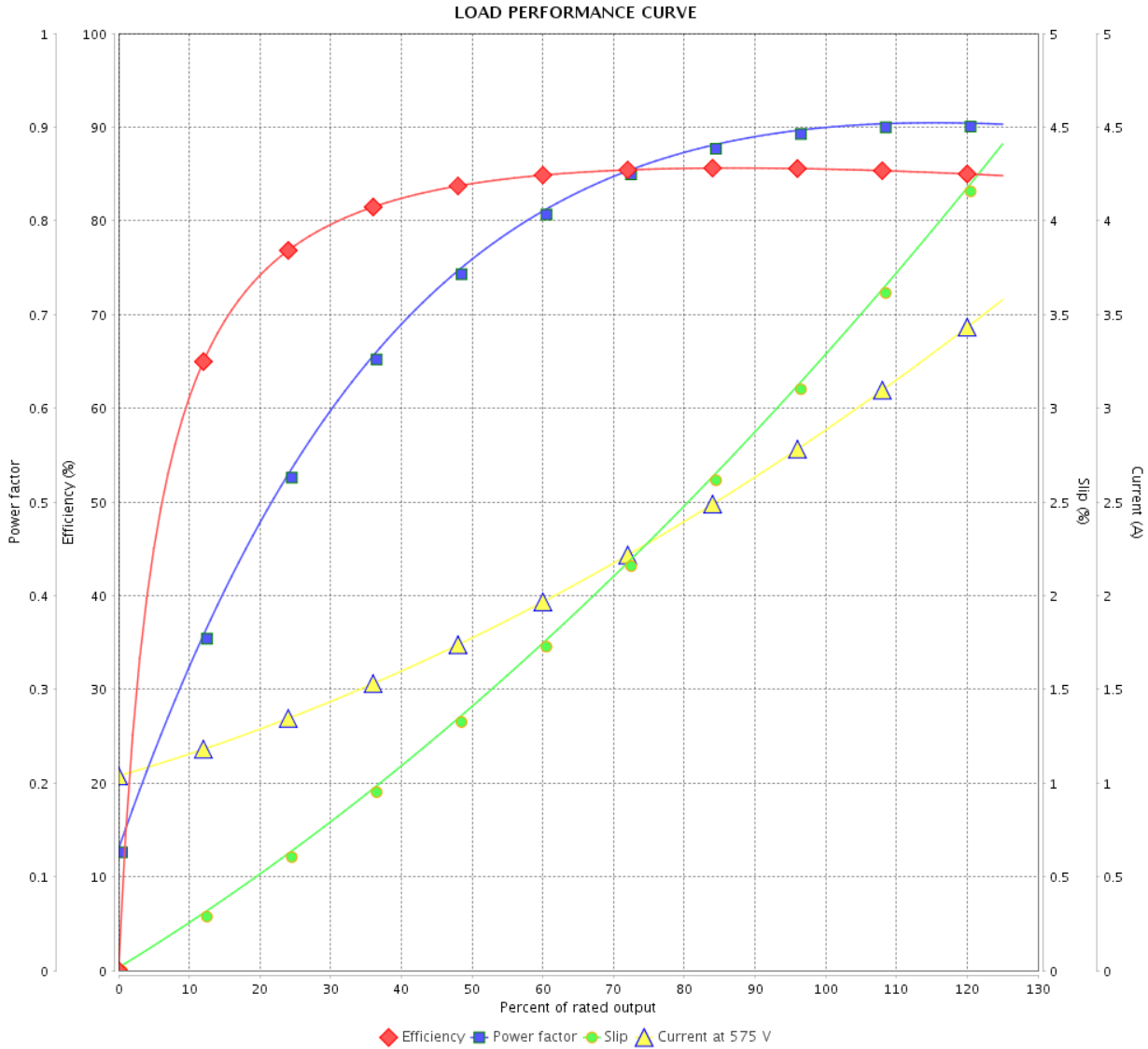
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14123144



Performance : 575 V 60 Hz 2P

Rated current	: 2.87 A	Moment of inertia (J)	: 0.0054 kgm ²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.626 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3480 rpm	Design	: A

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