

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code :	13724424		
Frame	: 56C	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: W-6		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 12.6 kg		
Design	: A	Moment of inertia (J)	: 0.0038 kgm ²		
Output [HP]	1.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.84				
L. R. Amperes [A]	12.7				
LRC [A]	6.9x(Code K)				
No load current [A]	1.28				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.624				
Locked rotor torque [%]	250				
Breakdown torque [%]	280				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	18s (cold) 10s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	75.5			
	75%	78.5			
	100%	80.0			
Power Factor	25%				
	50%	0.51			
	75%	0.65			
	100%	0.75			
Bearing type	: <u>Drive end</u> 6204 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 50 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 62 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>		
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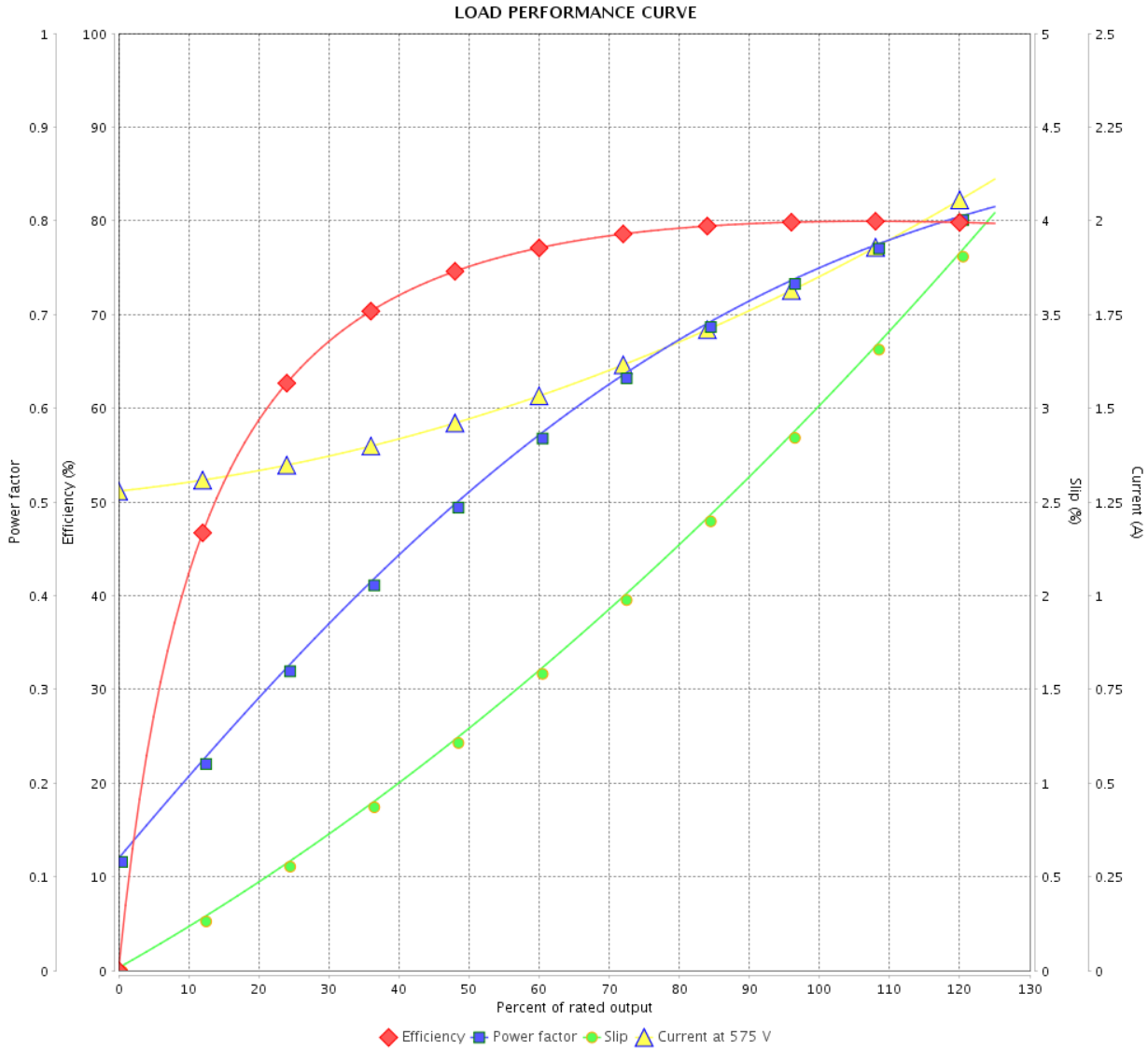
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13724424



Performance : 575 V 60 Hz 4P

Rated current : 1.84 A	Moment of inertia (J) : 0.0038 kgm ²
LRC : 6.9	Duty cycle : Cont.(S1)
Rated torque : 0.624 kgfm	Insulation class : F
Locked rotor torque : 250 %	Service factor : 1.15
Breakdown torque : 280 %	Temperature rise : 80 K
Rated speed : 1745 rpm	Design : A

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