

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 14056327		
Frame	: 56HC	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
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 : 14.0 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0056 kgm ²		
Design	: A			
Output [HP]		0.75		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.07		
L. R. Amperes [A]		6.22		
LRC [A]		5.8x(Code K)		
No load current [A]		0.777		
Rated speed [RPM]		1155		
Slip [%]		3.75		
Rated torque [kgfm]		0.471		
Locked rotor torque [%]		229		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		37s (cold) 21s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	70.0		
	75%	74.0		
	100%	75.5		
Power Factor	25%			
	50%	0.46		
	75%	0.59		
	100%	0.68		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 38 kgf		
Lubrication interval	: - -	Max. compression : 52 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>		
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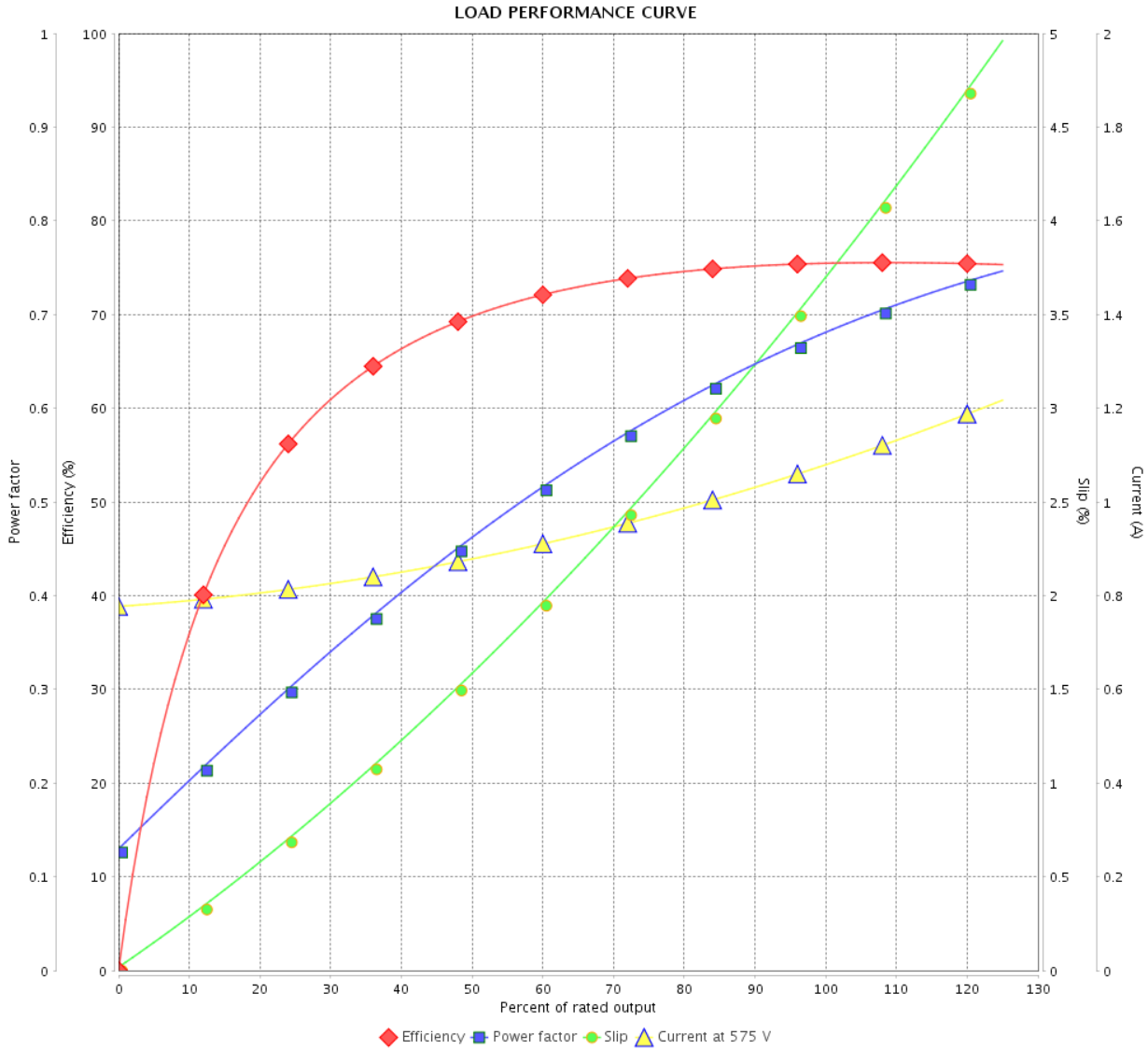
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14056327



Performance : 575 V 60 Hz 6P

Rated current	: 1.07 A	Moment of inertia (J)	: 0.0056 kgm ²
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.471 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1155 rpm	Design	: A

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