

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 14460223		
Frame : 143/5TC		Cooling method : IC01 - ODP			
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 : 17.7 kg			
Design : B		Moment of inertia (J) : 0.0049 kgm ²			
Output [HP]		2			
Poles		4			
Frequency [Hz]		60			
Rated voltage [V]		575			
Rated current [A]		2.15			
L. R. Amperes [A]		16.6			
LRC [A]		7.7x(Code K)			
No load current [A]		1.10			
Rated speed [RPM]		1740			
Slip [%]		3.33			
Rated torque [kgfm]		0.834			
Locked rotor torque [%]		260			
Breakdown torque [%]		320			
Service factor		1.15			
Temperature rise		80 K			
Locked rotor time		30s (cold) 17s (hot)			
Noise level ²		52.0 dB(A)			
Efficiency (%)	25%				
	50%	85.5			
	75%	86.5			
	100%	86.5			
Power Factor	25%				
	50%	0.61			
	75%	0.74			
	100%	0.81			
Bearing type : 6205 ZZ		Drive end	Non drive end	Foundation loads Max. traction : 67 kgf Max. compression : 85 kgf	
Sealing : Without		Bearing Seal	Bearing Seal		
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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
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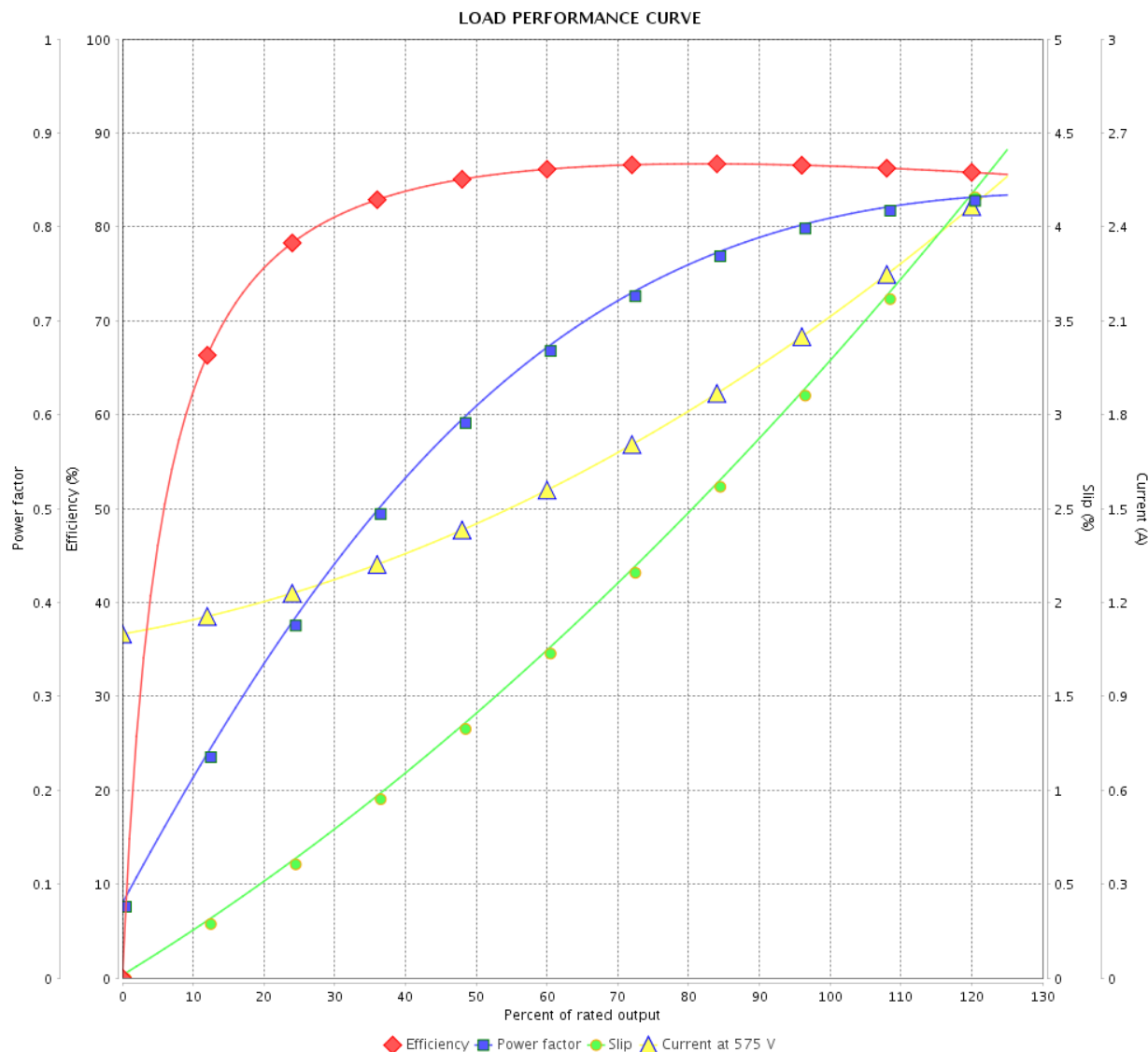
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 14460223



Performance : 575 V 60 Hz 4P

Rated current	: 2.15 A	Moment of inertia (J)	: 0.0049 kgm ²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.834 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm	Design	: B

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