

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12630368		
Frame : 182/4T		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 : 31.3 kg			
Design : B		Moment of inertia (J) : 0.0130 kgm ²			
Output [HP]		3			
Poles		4			
Frequency [Hz]		60			
Rated voltage [V]		575			
Rated current [A]		3.09			
L. R. Amperes [A]		25.9			
LRC [A]		8.4x(Code K)			
No load current [A]		1.66			
Rated speed [RPM]		1765			
Slip [%]		1.94			
Rated torque [kgfm]		1.23			
Locked rotor torque [%]		220			
Breakdown torque [%]		330			
Service factor		1.15			
Temperature rise		80 K			
Locked rotor time		27s (cold) 15s (hot)			
Noise level ²		55.0 dB(A)			
Efficiency (%)	25%	86.4			
	50%	87.5			
	75%	88.5			
	100%	89.5			
Power Factor	25%	0.35			
	50%	0.60			
	75%	0.73			
	100%	0.80			
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads Max. traction : 69 kgf Max. compression : 101 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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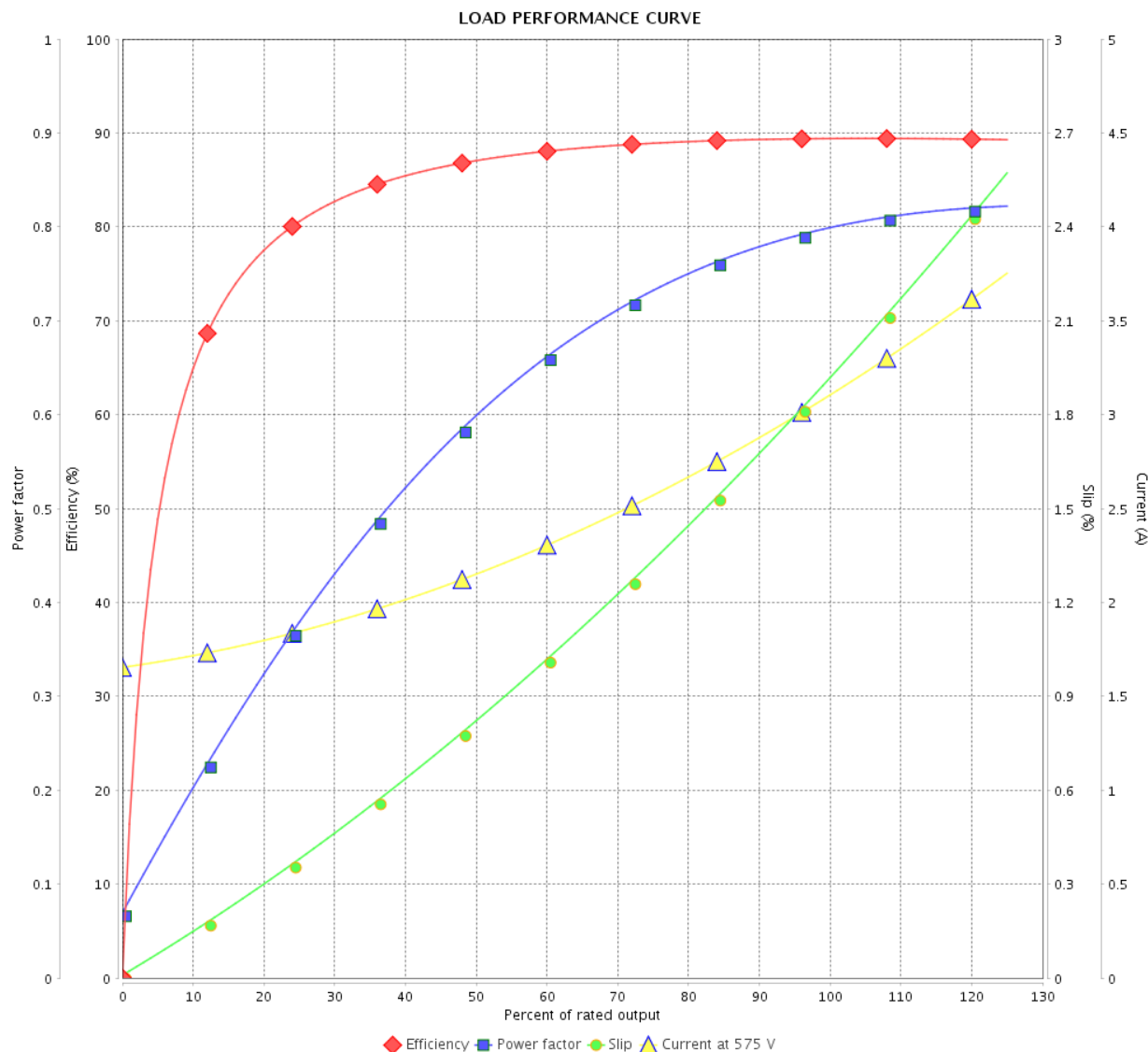
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12630368



Performance : 575 V 60 Hz 4P

Rated current	: 3.09 A	Moment of inertia (J)	: 0.0130 kgm ²
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 1.23 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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Checked by				
Date	13/05/2022			

