

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12630643	
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 : 36.8 kg		
Design : B		Moment of inertia (J) : 0.0169 kgm ²		
Output [HP]		5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		5.06		
L. R. Amperes [A]		36.5		
LRC [A]		7.2x(Code J)		
No load current [A]		2.52		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		2.06		
Locked rotor torque [%]		200		
Breakdown torque [%]		310		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		21s (cold) 12s (hot)		
Noise level ²		55.0 dB(A)		
Efficiency (%)	25%	87.5		
	50%	88.5		
	75%	88.5		
	100%	89.5		
Power Factor	25%	0.38		
	50%	0.63		
	75%	0.76		
	100%	0.82		
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads Max. traction : 115 kgf Max. compression : 152 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.	
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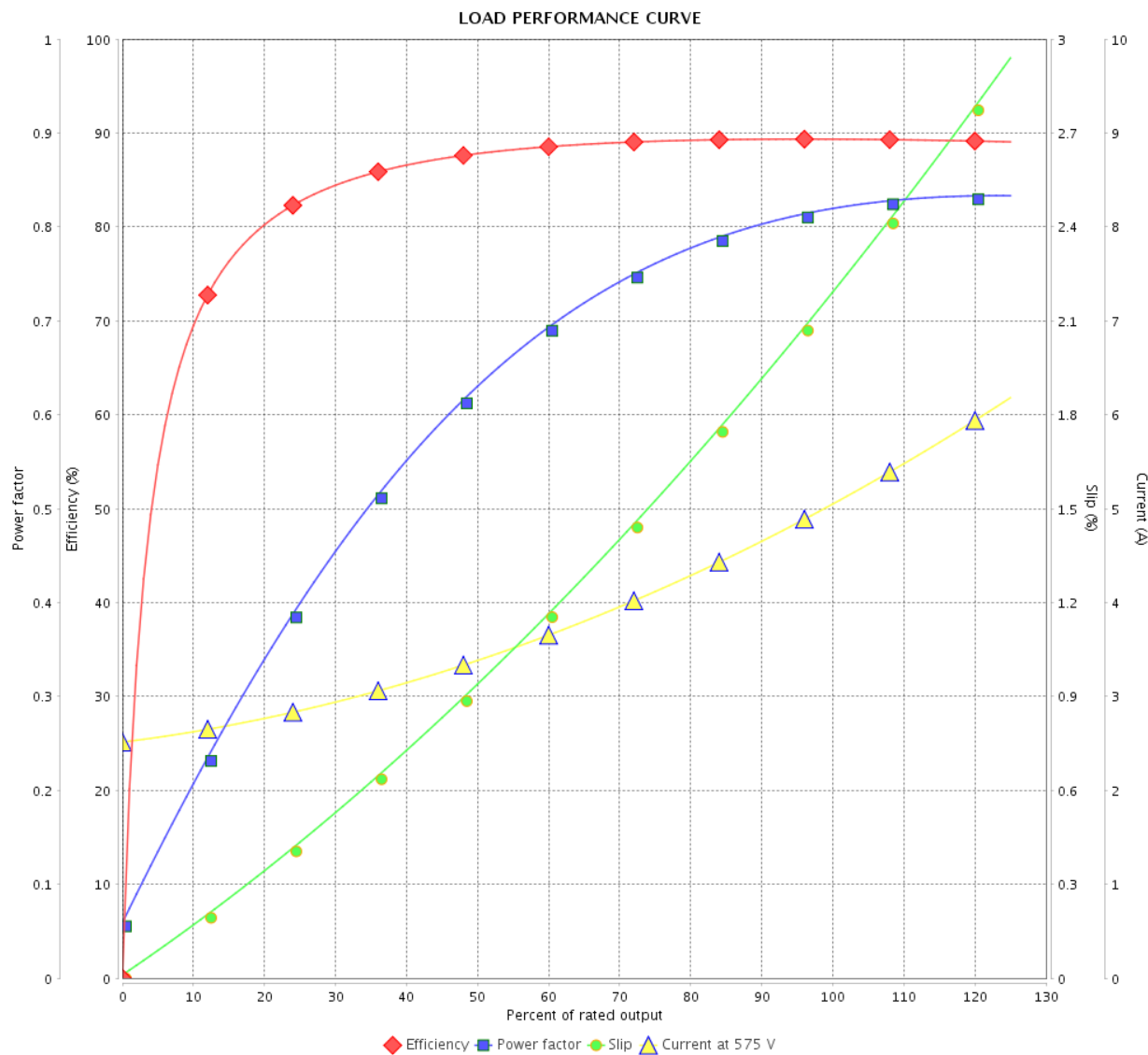
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12630643



Performance : 575 V 60 Hz 4P

Rated current	: 5.06 A	Moment of inertia (J)	: 0.0169 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.06 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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