

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12675412	
Frame		: 182/4T	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 : 37.1 kg	
Protection degree		: IP55	Moment of inertia (J) : 0.0144 kgm ²	
Design		: B		
Output [HP]		2		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.40		
L. R. Amperes [A]		18.0		
LRC [A]		7.5x(Code K)		
No load current [A]		1.50		
Rated speed [RPM]		1170		
Slip [%]		2.50		
Rated torque [kgfm]		1.24		
Locked rotor torque [%]		260		
Breakdown torque [%]		370		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		79s (cold) 44s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%	82.0		
	50%	84.0		
	75%	86.5		
	100%	88.5		
Power Factor	25%	0.28		
	50%	0.50		
	75%	0.62		
	100%	0.71		
Bearing type		Drive end : 6206 ZZ	Non drive end : 6205 ZZ	Foundation loads
Sealing		V'Ring	Without Bearing Seal	Max. traction : 77 kgf
Lubrication interval		-	-	Max. compression : 114 kgf
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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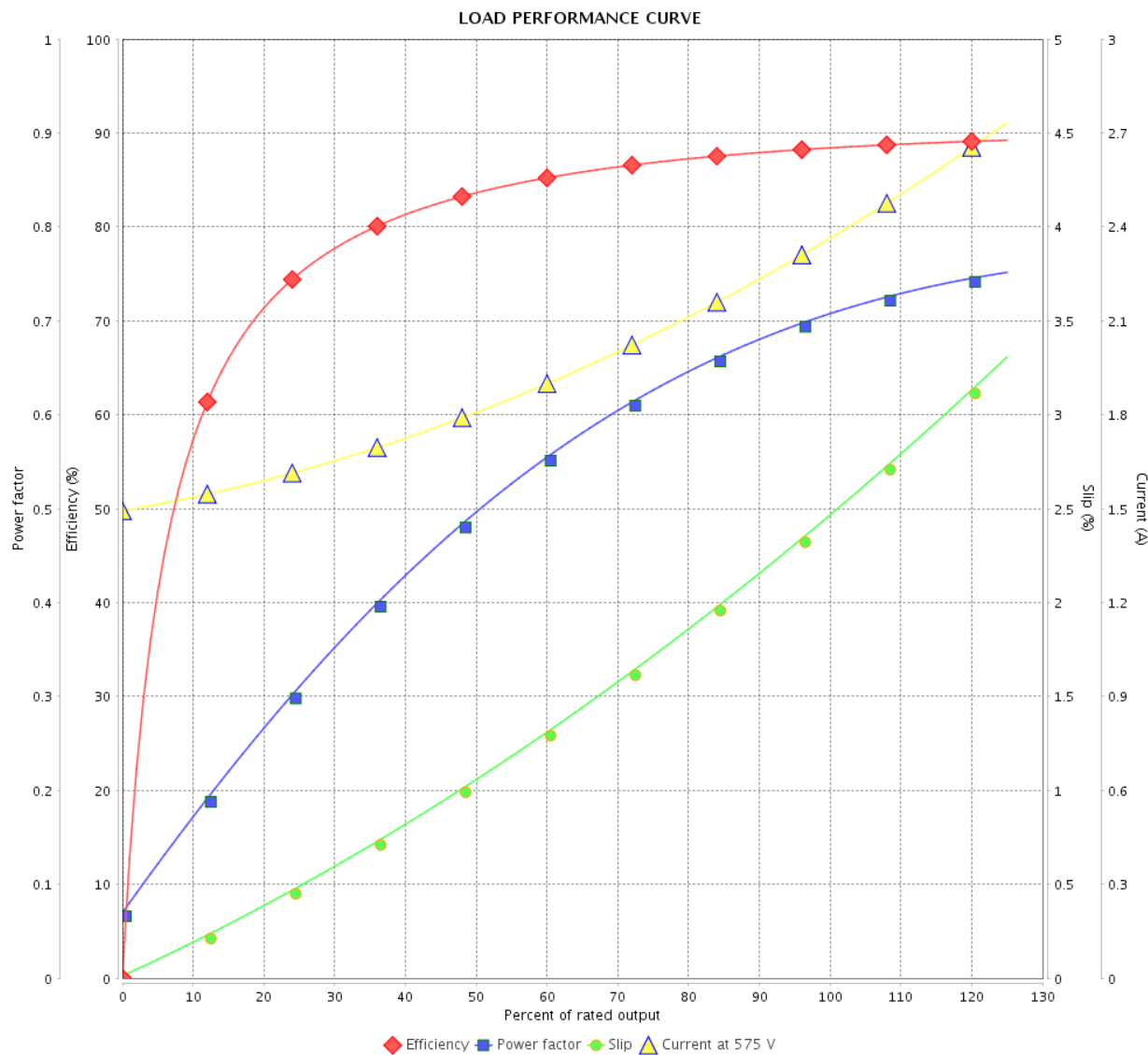
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675412



Performance : 575 V 60 Hz 6P

Rated current	: 2.40 A	Moment of inertia (J)	: 0.0144 kgm ²
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 1.24 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 1170 rpm	Design	: B

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