

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12845391	
Frame : 182/4TC		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 : 35.1 kg		
Protection degree : IP55		Moment of inertia (J) : 0.0066 kgm ²		
Design : B				
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.94		
L. R. Amperes [A]		25.8		
LRC [A]		8.8x(Code K)		
No load current [A]		1.29		
Rated speed [RPM]		3515		
Slip [%]		2.36		
Rated torque [kgfm]		0.619		
Locked rotor torque [%]		220		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	83.6		
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%	0.44		
	50%	0.71		
	75%	0.82		
	100%	0.87		
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads
Sealing : V'Ring			6205 ZZ	Max. traction : 21 kgf
Lubrication interval : -			Without Bearing Seal	Max. compression : 56 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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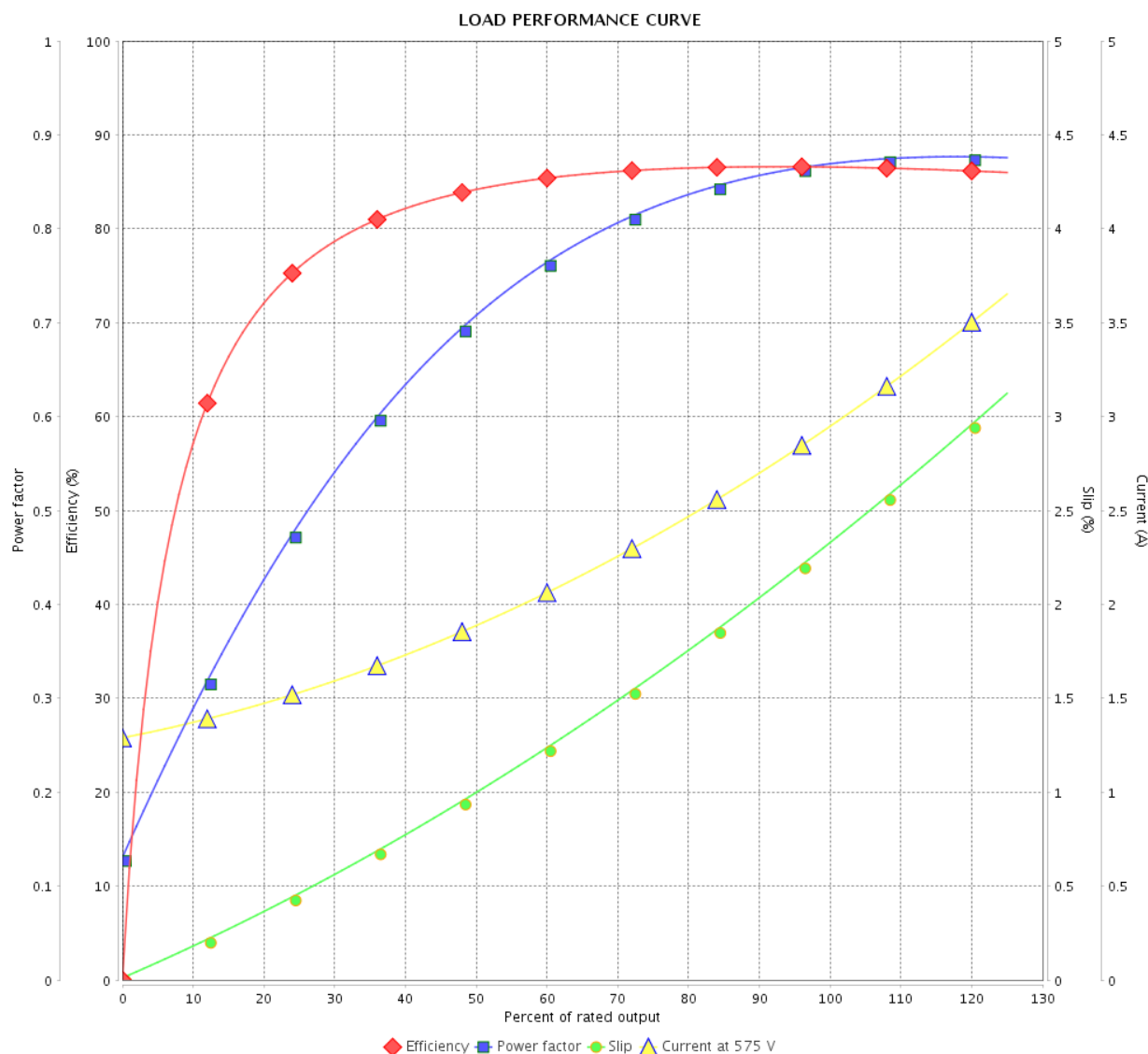
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845391



Performance : 575 V 60 Hz 2P

Rated current : 2.94 A
 LRC : 8.8
 Rated torque : 0.619 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Rated speed : 3515 rpm

Moment of inertia (J) : 0.0066 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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