DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:					
Product line		: NEMA Premium Efficiency T Phase	hree- Product code :	14949919			
Frame Insulation class Duty cycle Ambient temperature Altitude Design		: 143/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : B	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: IC01 - ODP : W-6 : Both (CW and CCW) : Direct On Line : 15.5 kg : 0.0046 kgm²			
Output [HP]		1					
Poles		4					
Frequency [Hz]		60					
Rated voltage [V]		575					
Rated current [A]			1.21				
L. R. Amperes [A]		9.66					
LRC [A]		8.0x(Code L)					
No load current [A]	1		0.766				
Rated speed [RPM] Slip [%]		1760 2.22					
Rated torque [kgfm	1	0.412					
Locked rotor torque		290					
Breakdown torque		360					
Service factor	<u> </u>	1.15					
Temperature rise		80 K					
Locked rotor time		39s (cold) 22s (hot)					
Noise level ²			52.0 dB(A)				
_	25%		0.1.5				
Efficiency (%)	50% 75%	81.5					
_	100%	84.0 85.5					
	25%	00.0					
	50%		0.51				
Power Factor	75%	0.65					
	100%		0.73				
Bearing type Sealing		Drive end Non drive end : 6205 ZZ 6203 ZZ : Without Without Bearing Seal Bearing Sea	Max. traction Max. compression	: 34 kgf : 50 kgf			
Lubrication interval		:					
Lubricant amount		: Makil Dalumay FM					
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

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Customer :

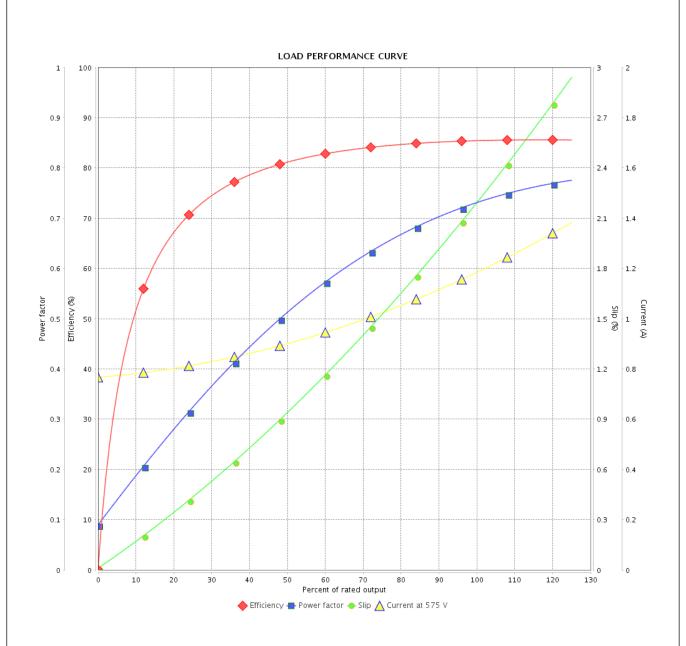
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Date

12/05/2022

Product line : NEMA Premium Efficiency Three- Product code : 14949919

Phase



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.21 A : 8.0 : 0.412 kgfm : 290 % : 360 % : 1760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0046 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Revision