## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Product line	Customer		:						
Insulation class	Product line		: Standard Eff	: Standard Efficiency Three-Phase Product code :					
Duty cycle	Frame		: 56HC		Cooling method	: IC411 - TEFC			
Ambient temperature	Insulation class		: F		Mounting	: F-1			
Altitude					Rotation <sup>1</sup>				
Protection degree		ture							
Design   SA									
Dutput [HP]   3   3   2   2   7   7   7   7   7   7   7   7		Э		: IP55 Moment of inertia (J) : 0.008					
Poles	Design		: A						
Rated voltage [V]   575   Rated current [A]   3.01   3.0	Output [HP]				3				
Stated voltage [V]	Poles				2				
Rated current [A]   3.01   25.6   2	Frequency [Hz]				60				
R. Amperes [A]   25.6     RC [A]   8.5x(Code K)     No load current [A]   1.12     Rated speed [RPM]   3480     Slip [%]   3.33     Rated torque [kgfm]   0.626     Locked rotor torque [%]   270     Service factor   1.15	Rated voltage [V]								
Rec [A]	Rated current [A]				3.01				
No load current [A]									
Sip   %   3.33   3.3					8.5x(Code K)				
Silip [%]   3.33   3.									
Rated torque [kgfm]	Rated speed [RPM	1]							
Cocked rotor torque [%]	Slip [%]				3.33				
Service factor	Rated torque [kgfm	າ]			0.626				
Service factor	ocked rotor torque	e [%]			270				
Temperature rise	Breakdown torque	[%]			280				
Cocked rotor time	Service factor				1.15				
Noise level 2	Temperature rise								
Efficiency (%)									
Efficiency (%)   50%   80.0   81.5	Noise level <sup>2</sup>								
Power Factor									
Power Factor	Efficiency (%)								
Power Factor   25%   0.50	Lincicity (70)								
Drive end   Non drive end									
Power Factor   75%   0.86									
Tolow   Tolo	Power Factor								
Bearing type : 6204 ZZ 6202 ZZ Max. traction : 47 kgf Sealing : V'Ring Without Bearing Seal Lubrication interval : Lubricant amount : Mobil Polyrex EM									
Bearing type : 6204 ZZ 6202 ZZ Max. traction : 47 kgf Sealing : V'Ring Without Bearing Seal Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM		100%			0.90				
Sealing : V'Ring Without Bearing Seal  Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM		<u> </u>	Drive end	Non drive end	Foundation loads				
Sealing : V'Ring Without Bearing Seal  Lubrication interval :  Lubricant amount :  Lubricant type : Mobil Polyrex EM	Bearing type		: 6204 ZZ	6202 ZZ	Max. traction	: 47 kgf			
Bearing Seal  Lubrication interval :  Lubricant amount :  Lubricant type : Mobil Polyrex EM	Sealing		: V'Ring	Without					
Lubricant amount : Lubricant type : Mobil Polyrex EM	-		3			-			
Lubricant type : Mobil Polyrex EM			: -	-					
· · · · · · · · · · · · · · · · · · ·		t	: -	-					
Notes	Lubricant type		: Mobil F	Polyrex EM					
NOE2	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



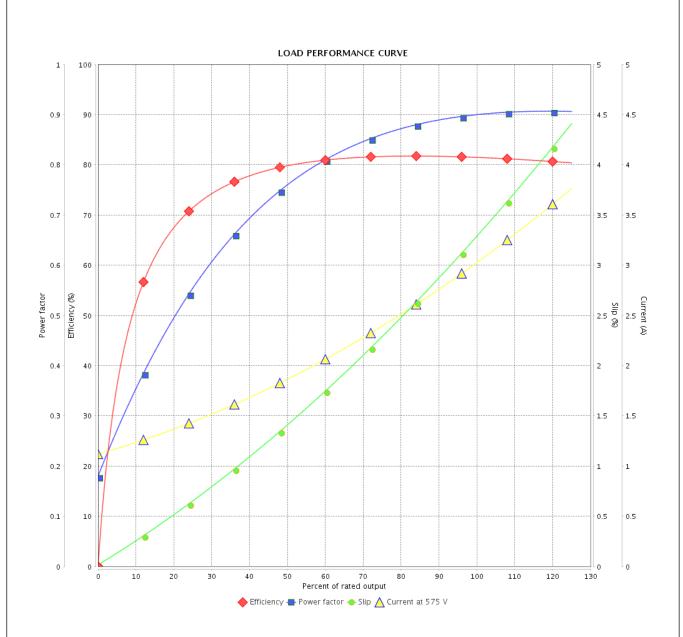
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Date

13/05/2022

Product line : Standard Efficiency Three-Phase Product code : 12894736



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.01 A : 8.5 : 0.626 kgfm : 270 % : 280 % : 3480 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0054 kgm² : Cont.(S1) : F : 1.15 : 80 K : A	
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Revision

