## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Coles	Customer		:						
Insulation class	Product line		: Premium Efficiency Three-Phase Product code : 13500356						
Insulation class	Frame		: 56C		Cooling method	: IC411 - TEFC			
Duty cycle									
Ambient temperature									
Altitude : 1000 m.a.s.l.   Approx. weights : 14.9 kg   Protection degree   IP55   S   Moment of inertia (J) : 0.0043 kgm²   14.9 kg   Moment of inertia (J) : 0.0043 kgm²   14		ture		)°C	Starting method				
Design   S			: 1000 m.a.s.l			: 14.9 kg			
Dutput [HP]	Protection degree		: IP55		Moment of inertia (J)	: 0.0043 kgm²			
Coles	Design		: B						
Terquency [Hz]	Output [HP]								
Rated voltage [V]	Poles		2						
Rated current [A]	Frequency [Hz]								
13.6	Rated voltage [V]		575						
Rec [A]	Rated current [A]								
No load current [A]	L. R. Amperes [A]				13.6				
Stated speed [RPM]   3520	LRC [A]		9.1x(Code L)						
Slip [%]   2.22	No load current [A]								
Rated torque [kgfm]	Rated speed [RPM]		3520						
Cocked rotor torque [%]   229   300   30	Slip [%]		2.22						
Service factor			0.309						
Service factor	Locked rotor torque	e [%]	229						
Sealing   Foundation interval   Lubricant type   Mobil Polyrex EM	Breakdown torque	[%]	300						
Cocked rotor time	Service factor								
Solicition   Sol	Temperature rise								
Efficiency (%)	Locked rotor time								
Solution	Noise level <sup>2</sup>		68.0 dB(A)						
Power Factor   75%   82.5   84.0									
100%   84.0	Efficiency (%)								
Power Factor	Lincicity (70)								
Power Factor			84.0						
Power Factor   75%   0.82	Power Factor								
T5%   0.82   0.88									
Bearing type : 6204 ZZ 6202 ZZ Max. traction : 22 kgf Sealing : V'Ring Without Bearing Seal Lubricant amount : Lubricant type : Mobil Polyrex EM									
Bearing type : 6204 ZZ 6202 ZZ Max. traction : 22 kgf Sealing : V'Ring Without Bearing Seal Lubrication interval : Lubricant amount : Mobil Polyrex EM		100%	0.88						
Sealing : V'Ring Without Bearing Seal Lubrication interval : Lubricant amount : Mobil Polyrex EM			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	: 22 kgf			
Bearing Seal  Lubrication interval :  Lubricant amount :  Lubricant type : Mobil Polyrex EM	Sealing		: V'Ring	Without	Max. compression				
Lubricant amount : Lubricant type : Mobil Polyrex EM	_			Bearing Seal					
Lubricant type : Mobil Polyrex EM			: -	-					
			:						
Notes	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

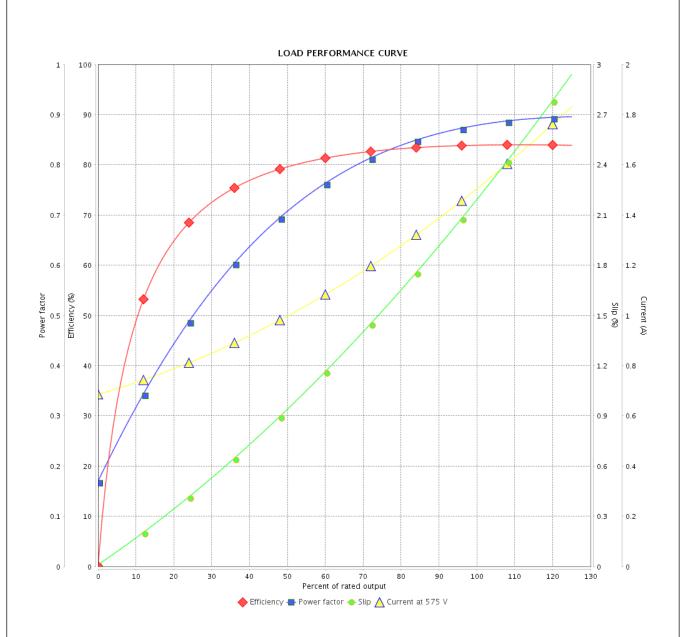
## Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Product line : Premium Efficiency Three-Phase Product code : 13500356



Performance		: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 1.50 A : 9.1 : 0.309 kgfm : 229 % : 300 % : 3520 rpm	Duty cyc Insulatio Service t	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0043 kgm² : Cont.(S1) : F : 1.15 : 80 K : B		
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