

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code	: 14136431		
Frame	: W56	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 5.8 kg		
		Moment of inertia (J)	: 0.0010 kgm <sup>2</sup>		
Output [HP]	0.25				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.415				
L. R. Amperes [A]	1.95				
LRC [A]	4.7x(Code J)				
No load current [A]	0.359				
Rated speed [RPM]	1730				
Slip [%]	3.89				
Rated torque [kgfm]	0.105				
Locked rotor torque [%]	210				
Breakdown torque [%]	270				
Service factor	1.35				
Temperature rise	80 K				
Locked rotor time	54s (cold) 30s (hot)				
Noise level <sup>2</sup>	50.0 dB(A)				
Efficiency (%)	25%				
	50%	52.5			
	75%	59.5			
	100%	64.0			
Power Factor	25%				
	50%	0.47			
	75%	0.58			
	100%	0.68			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 6 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 12 kgf	
Lubrication interval	: -	-			
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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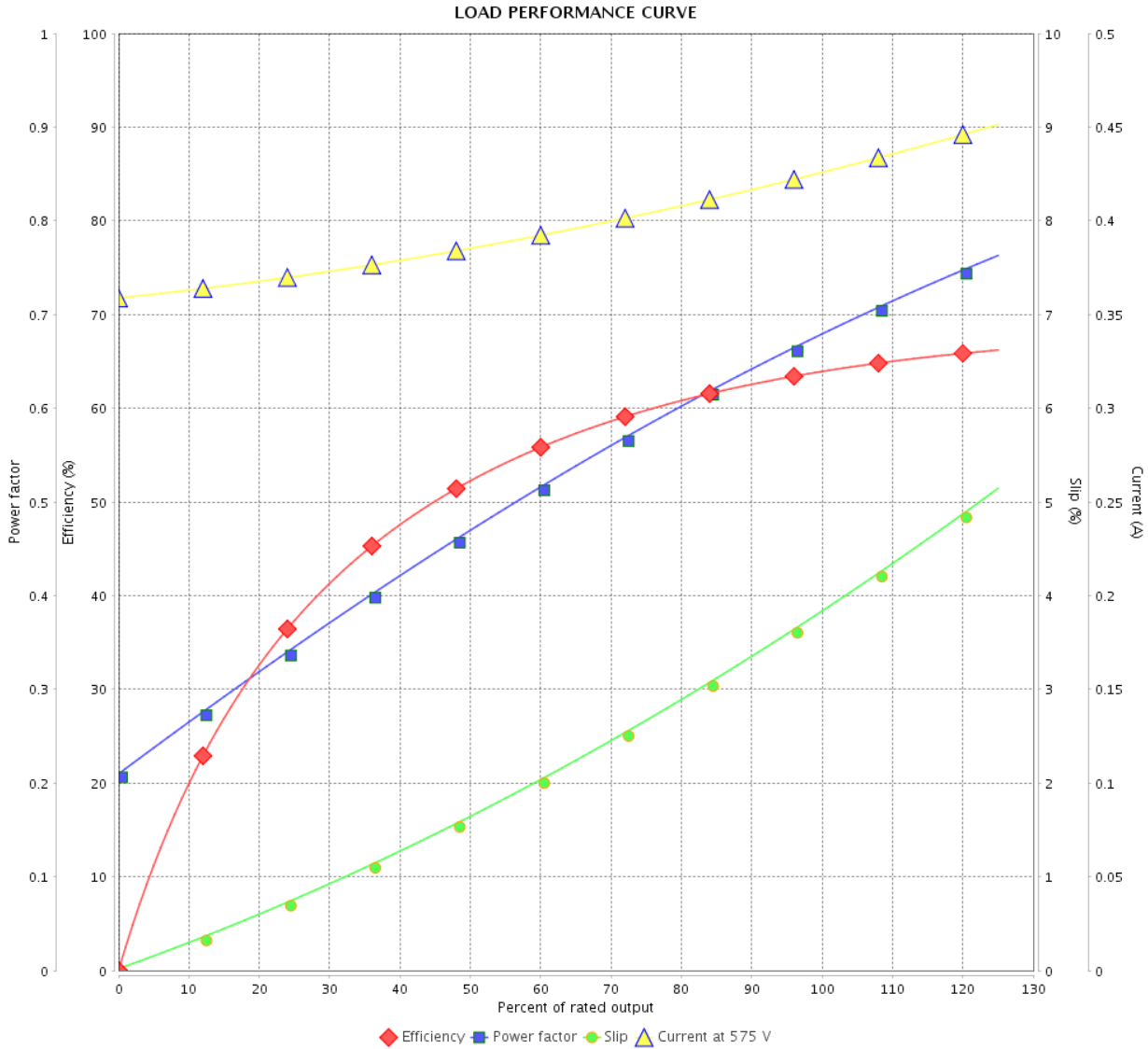
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14136431



Performance : 575 V 60 Hz 4P

Rated current	: 0.415 A	Moment of inertia (J)	: 0.0010 kgm <sup>2</sup>
LRC	: 4.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.105 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.35
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

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