

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Premium Efficiency Three-Phase	Product code	: 13500380		
Frame	: 56HC	Cooling method	: IC411 - TEFC		
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>3</sup>	: 22.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0070 kgm <sup>2</sup>		
Design	: B				
Output [HP]	3				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	2.81				
L. R. Amperes [A]	26.7				
LRC [A]	9.5x(Code L)				
No load current [A]	1.02				
Rated speed [RPM]	3500				
Slip [%]	2.78				
Rated torque [kgfm]	0.621				
Locked rotor torque [%]	300				
Breakdown torque [%]	380				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	18s (cold) 10s (hot)				
Noise level <sup>2</sup>	68.0 dB(A)				
Efficiency (%)	25%	83.6			
	50%	84.0			
	75%	86.5			
	100%	86.5			
Power Factor	25%	0.51			
	50%	0.78			
	75%	0.87			
	100%	0.91			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction	: 65 kgf			
	Max. compression	: 87 kgf			
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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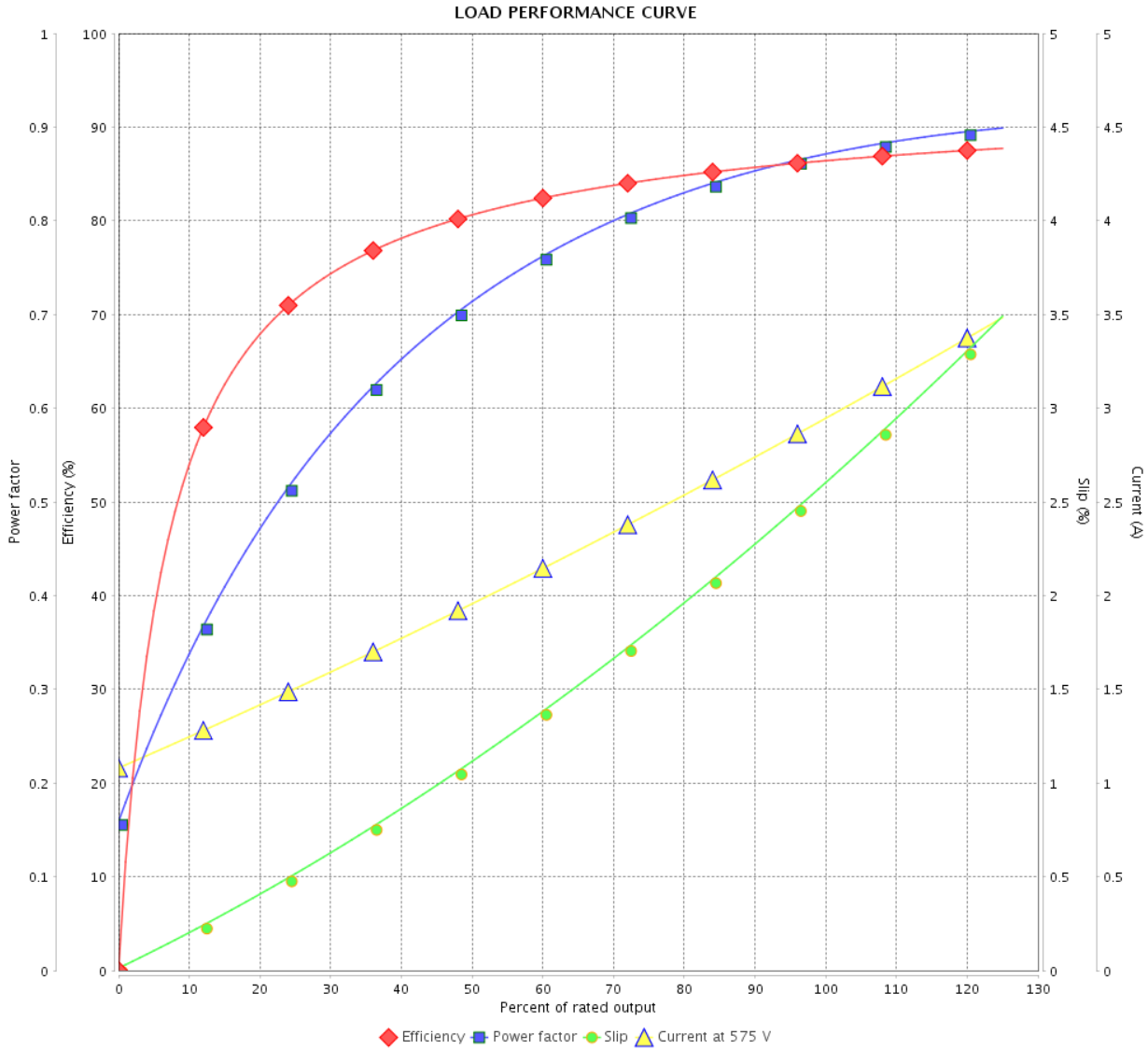
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Premium Efficiency Three-Phase      Product code : 13500380



Performance : 575 V 60 Hz 2P

Rated current	: 2.81 A	Moment of inertia (J)	: 0.0070 kgm <sup>2</sup>
LRC	: 9.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.621 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

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