

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Standard Efficiency Three-Phase	Product code :	12894853		
Frame	: 56C	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>	: 9.5 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0025 kgm <sup>2</sup>		
Output [HP]	0.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.690				
L. R. Amperes [A]	4.83				
LRC [A]	7.0x(Code L)				
No load current [A]	0.480				
Rated speed [RPM]	1760				
Slip [%]	2.22				
Rated torque [kgfm]	0.206				
Locked rotor torque [%]	240				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	36s (cold) 20s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%	65.4			
	50%	68.0			
	75%	74.0			
	100%	77.0			
Power Factor	25%	0.28			
	50%	0.48			
	75%	0.61			
	100%	0.70			
Bearing type	: Drive end	6203 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	: 15 kgf	
			Max. compression	: 24 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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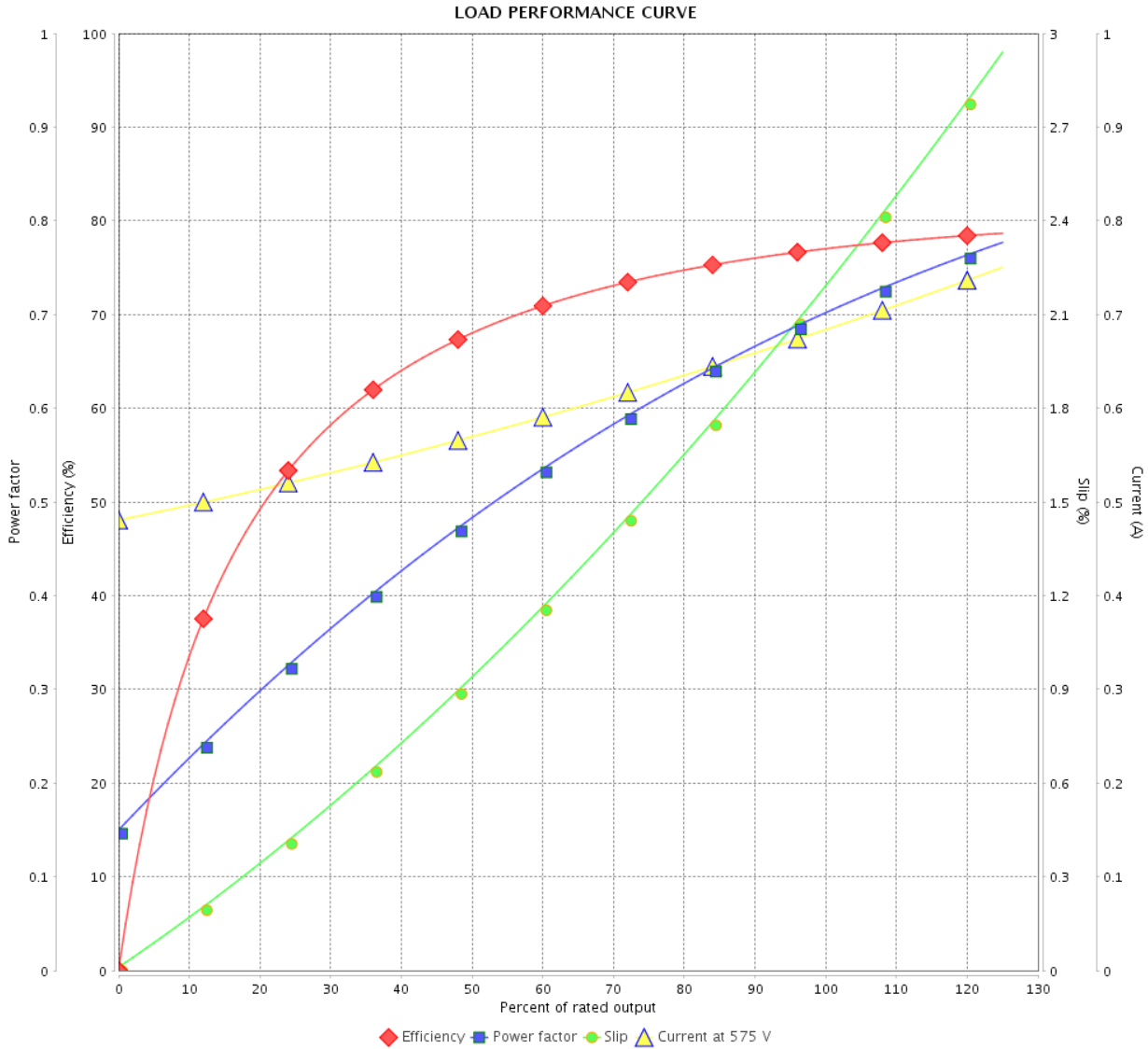
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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

Product line : Standard Efficiency Three-Phase      Product code : 12894853



Performance : 575 V 60 Hz 4P

Rated current : 0.690 A  
 LRC : 7.0  
 Rated torque : 0.206 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 300 %  
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0025 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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