

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code :	12894798		
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>	: 12.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0036 kgm <sup>2</sup>		
Design	: A				
Output [HP]	1				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.33				
L. R. Amperes [A]	10.2				
LRC [A]	7.7x(Code M)				
No load current [A]	0.960				
Rated speed [RPM]	1760				
Slip [%]	2.22				
Rated torque [kgfm]	0.412				
Locked rotor torque [%]	270				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%	72.4			
	50%	74.0			
	75%	78.5			
	100%	80.0			
Power Factor	25%	0.26			
	50%	0.48			
	75%	0.62			
	100%	0.71			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 33 kgf	
Lubrication interval	: -	-	Max. compression	: 46 kgf	
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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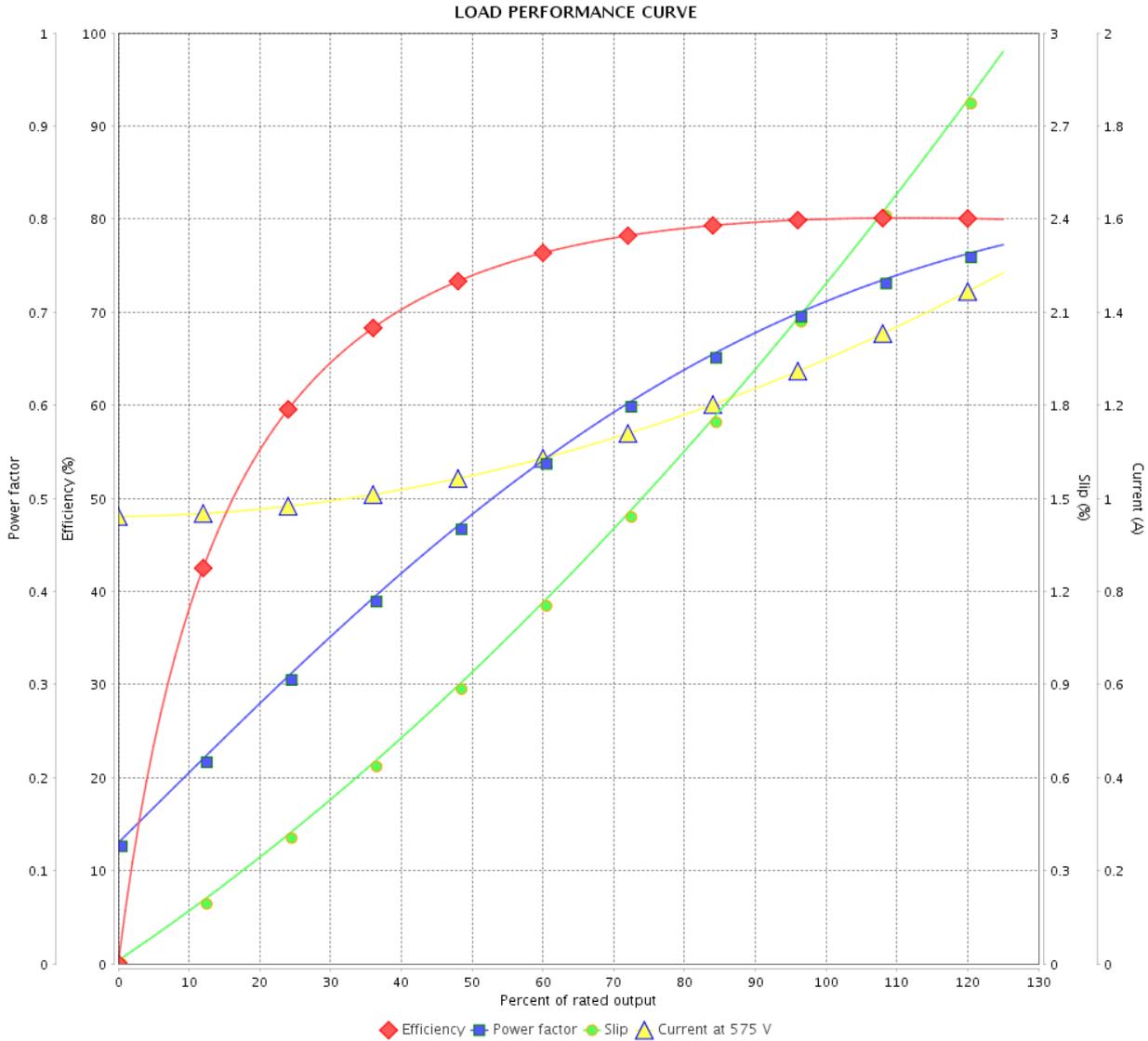
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894798



Performance : 575 V 60 Hz 4P

Rated current	: 1.33 A	Moment of inertia (J)	: 0.0036 kgm <sup>2</sup>
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.412 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

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