

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	12894791
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>	: 12.3 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0033 kgm <sup>2</sup>	
Design	: A			
Output [HP]	1.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.59			
L. R. Amperes [A]	11.5			
LRC [A]	7.2x(Code J)			
No load current [A]	0.652			
Rated speed [RPM]	3460			
Slip [%]	3.89			
Rated torque [kgfm]	0.315			
Locked rotor torque [%]	240			
Breakdown torque [%]	270			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	21s (cold) 12s (hot)			
Noise level <sup>2</sup>	68.0 dB(A)			
Efficiency (%)	25%	70.4		
	50%	72.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%	0.49		
	50%	0.76		
	75%	0.85		
	100%	0.90		
Bearing type	: Drive end 6204 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 21 kgf	
Lubrication interval	: -	-	Max. compression : 33 kgf	
Lubricant amount	: -	-		
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.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
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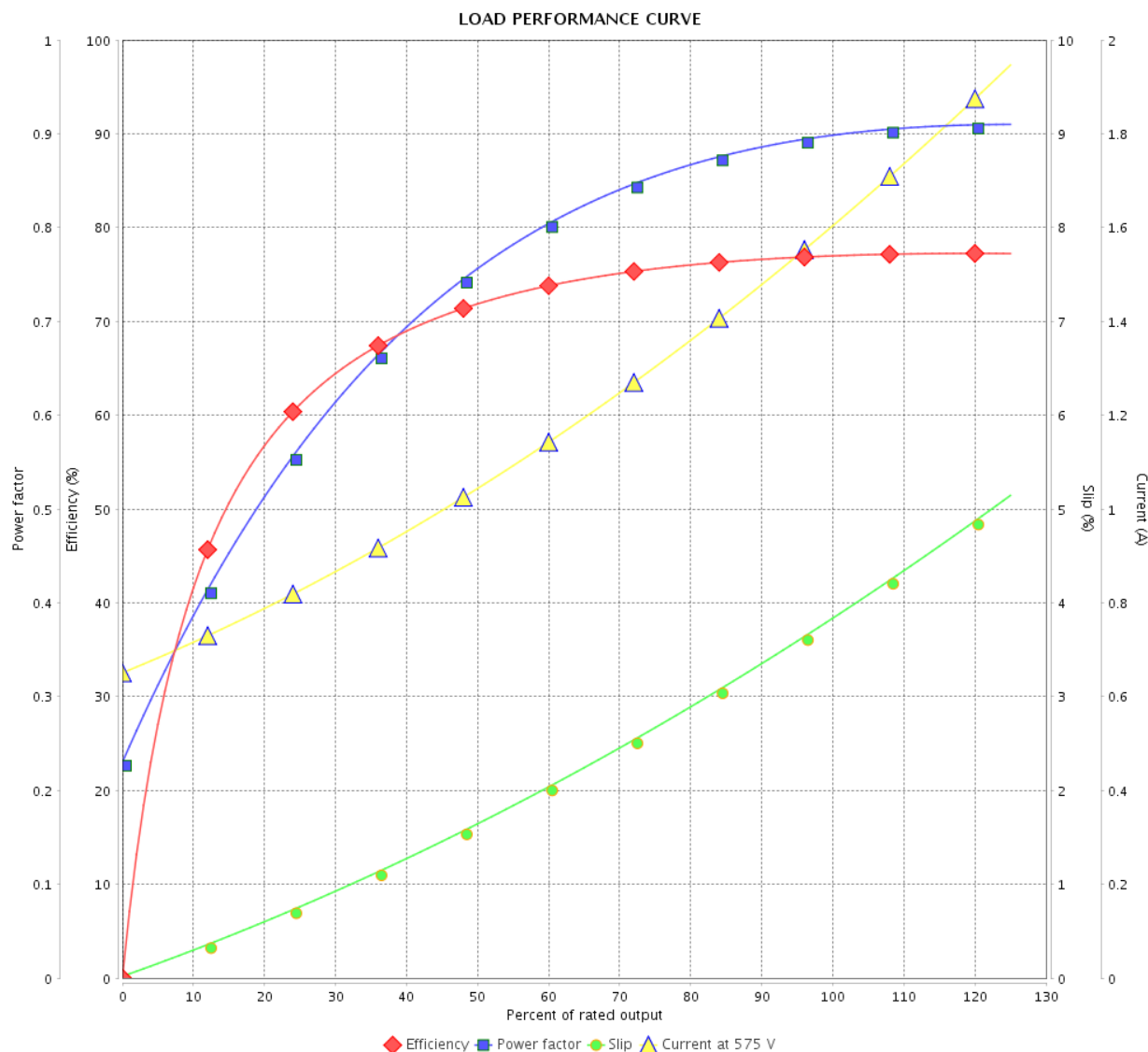
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894791



Performance : 575 V 60 Hz 2P

Rated current : 1.59 A  
 LRC : 7.2  
 Rated torque : 0.315 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 270 %  
 Rated speed : 3460 rpm

Moment of inertia (J) : 0.0033 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : A

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