

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	13743999
Frame	: W56C	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: W-12	
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>	: 9.9 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0024 kgm <sup>2</sup>	
Output [HP]	0.5			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.792			
L. R. Amperes [A]	3.48			
LRC [A]	4.4x(Code H)			
No load current [A]	0.620			
Rated speed [RPM]	1130			
Slip [%]	5.83			
Rated torque [kgfm]	0.321			
Locked rotor torque [%]	200			
Breakdown torque [%]	240			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level <sup>2</sup>	48.0 dB(A)			
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	68.0		
Power Factor	25%			
	50%	0.47		
	75%	0.59		
	100%	0.69		
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 19 kgf		
Lubrication interval	: - -	Max. compression : 29 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.		
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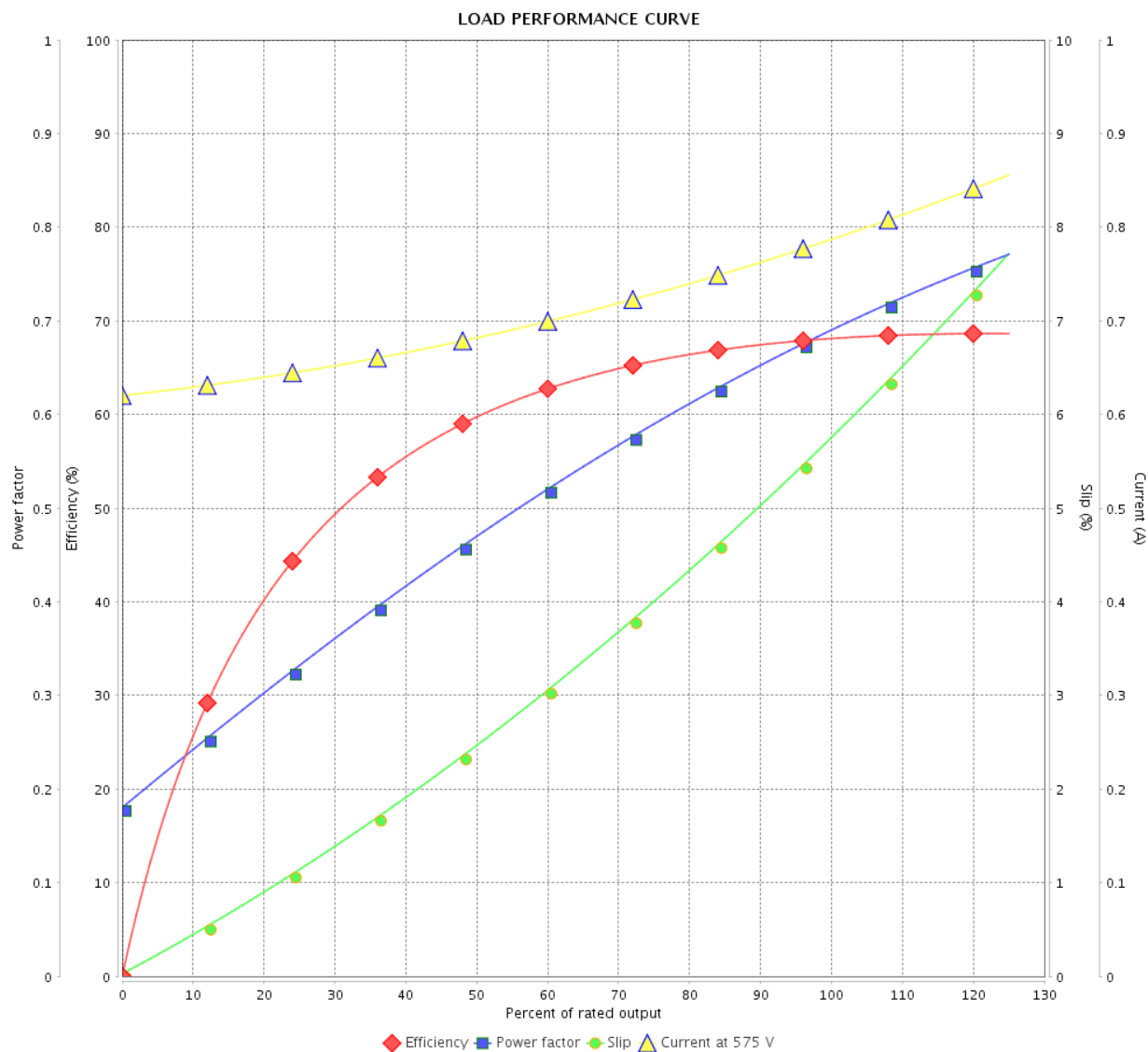
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13743999



Performance : 575 V 60 Hz 6P

Rated current : 0.792 A  
 LRC : 4.4  
 Rated torque : 0.321 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 240 %  
 Rated speed : 1130 rpm

Moment of inertia (J) : 0.0024 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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