

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Premium Efficiency Three-Phase			
Product code :	13484364			
Frame	: 56HC			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: B			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation <sup>1</sup>	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 18.2 kg			
Moment of inertia (J)	: 0.0054 kgm <sup>2</sup>			
Output [HP]	2			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.98			
L. R. Amperes [A]	19.6			
LRC [A]	9.9x(Code L)			
No load current [A]	0.850			
Rated speed [RPM]	3520			
Slip [%]	2.22			
Rated torque [kgfm]	0.412			
Locked rotor torque [%]	250			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	23s (cold) 13s (hot)			
Noise level <sup>2</sup>	68.0 dB(A)			
Efficiency (%)	25%			
	50%	82.5		
	75%	85.5		
	100%	85.5		
Power Factor	25%			
	50%	0.73		
	75%	0.83		
	100%	0.89		
Bearing type	: Drive end : 6204 ZZ Non drive end : 6202 ZZ	Foundation loads Max. traction : 30 kgf Max. compression : 49 kgf		
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: -			
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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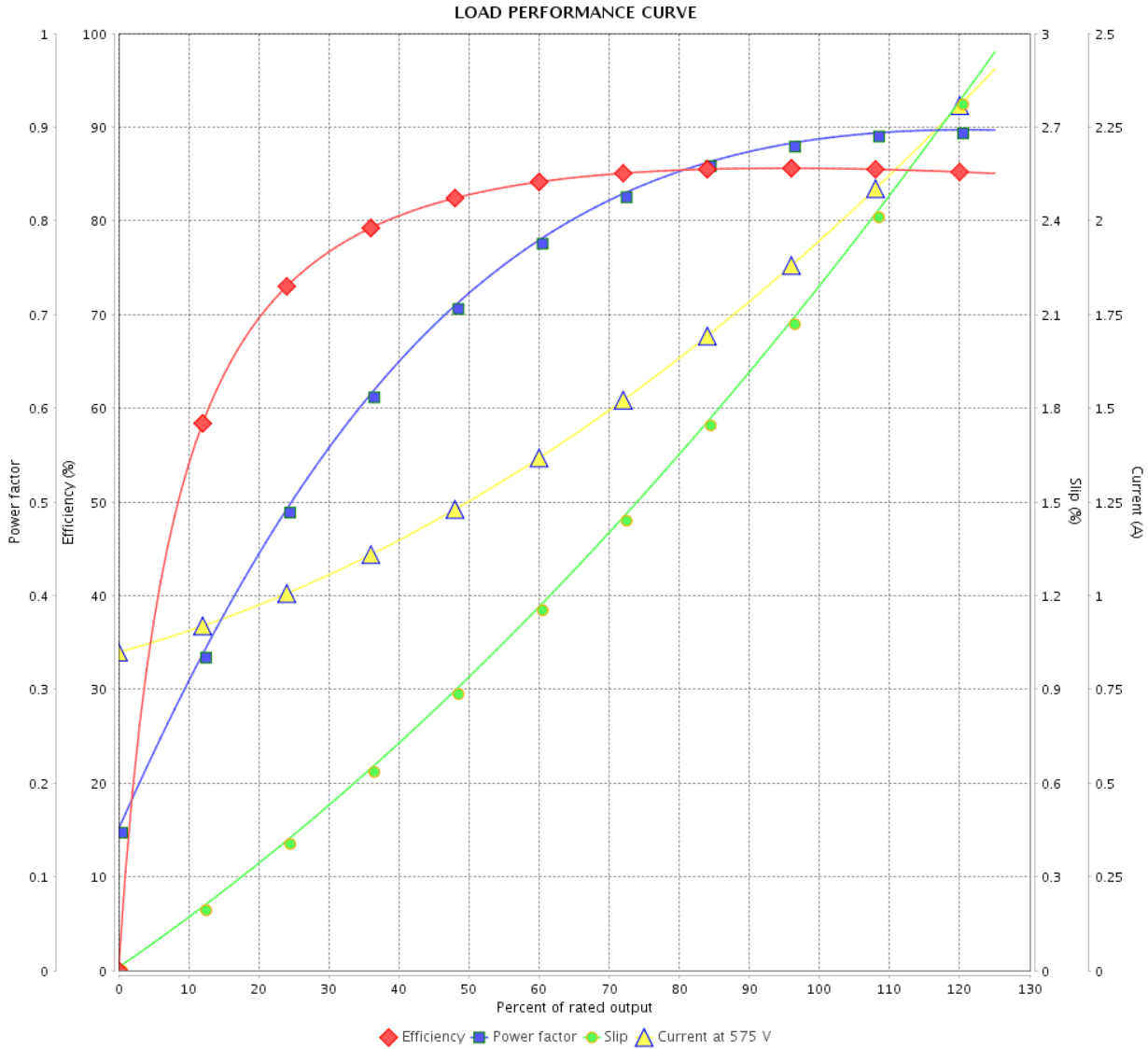
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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

Product line : Premium Efficiency Three-Phase      Product code : 13484364



Performance : 575 V 60 Hz 2P

Rated current : 1.98 A  
 LRC : 9.9  
 Rated torque : 0.412 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 300 %  
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0054 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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