

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Standard Efficiency Three-Phase			
Product code	: 13714425			
Frame : 56H Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : A	Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>2</sup> : 15.9 kg Moment of inertia (J) : 0.0067 kgm <sup>2</sup>			
Output [HP]	1			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	3.34/1.67			
L. R. Amperes [A]	18.7/9.35			
LRC [A]	5.6x(Code J)			
No load current [A]	2.30/1.15			
Rated speed [RPM]	1145			
Slip [%]	4.58			
Rated torque [kgfm]	0.634			
Locked rotor torque [%]	210			
Breakdown torque [%]	260			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	27s (cold) 15s (hot)			
Noise level <sup>2</sup>	50.0 dB(A)			
Efficiency (%)	25%			
	50%			
	75%			
	100%			
Power Factor	25%			
	50%			
	75%			
	100%			
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 48 kgf Max. compression : 64 kgf			
Notes USABLE @208V 3.69A SF 1.00 SFA 3.69A				
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

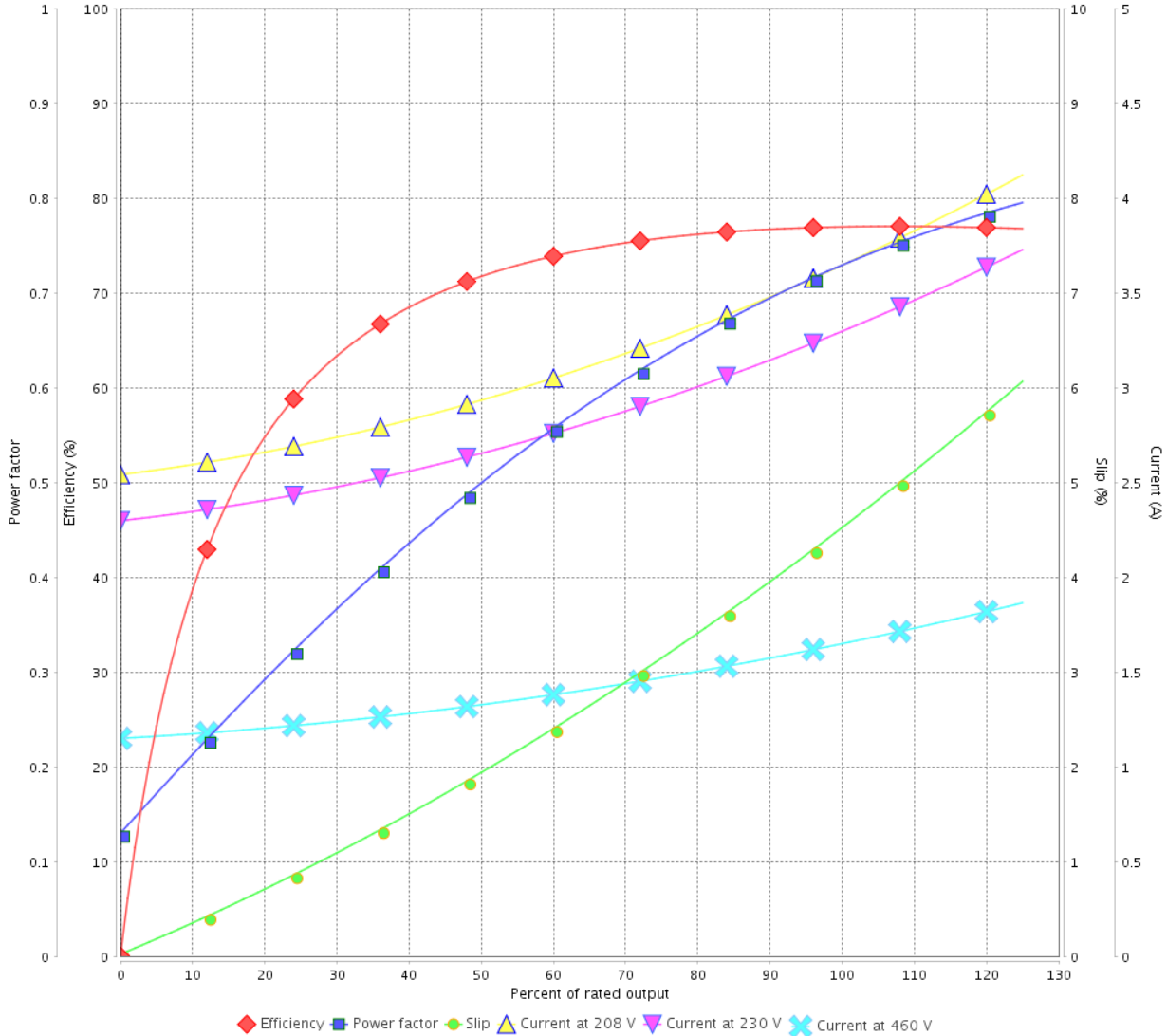
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13714425

LOAD PERFORMANCE CURVE



Performance : 230/460 V 60 Hz 6P

Rated current : 3.34/1.67 A  
 LRC : 5.6  
 Rated torque : 0.634 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Rated speed : 1145 rpm

Moment of inertia (J) : 0.0067 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
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Date				

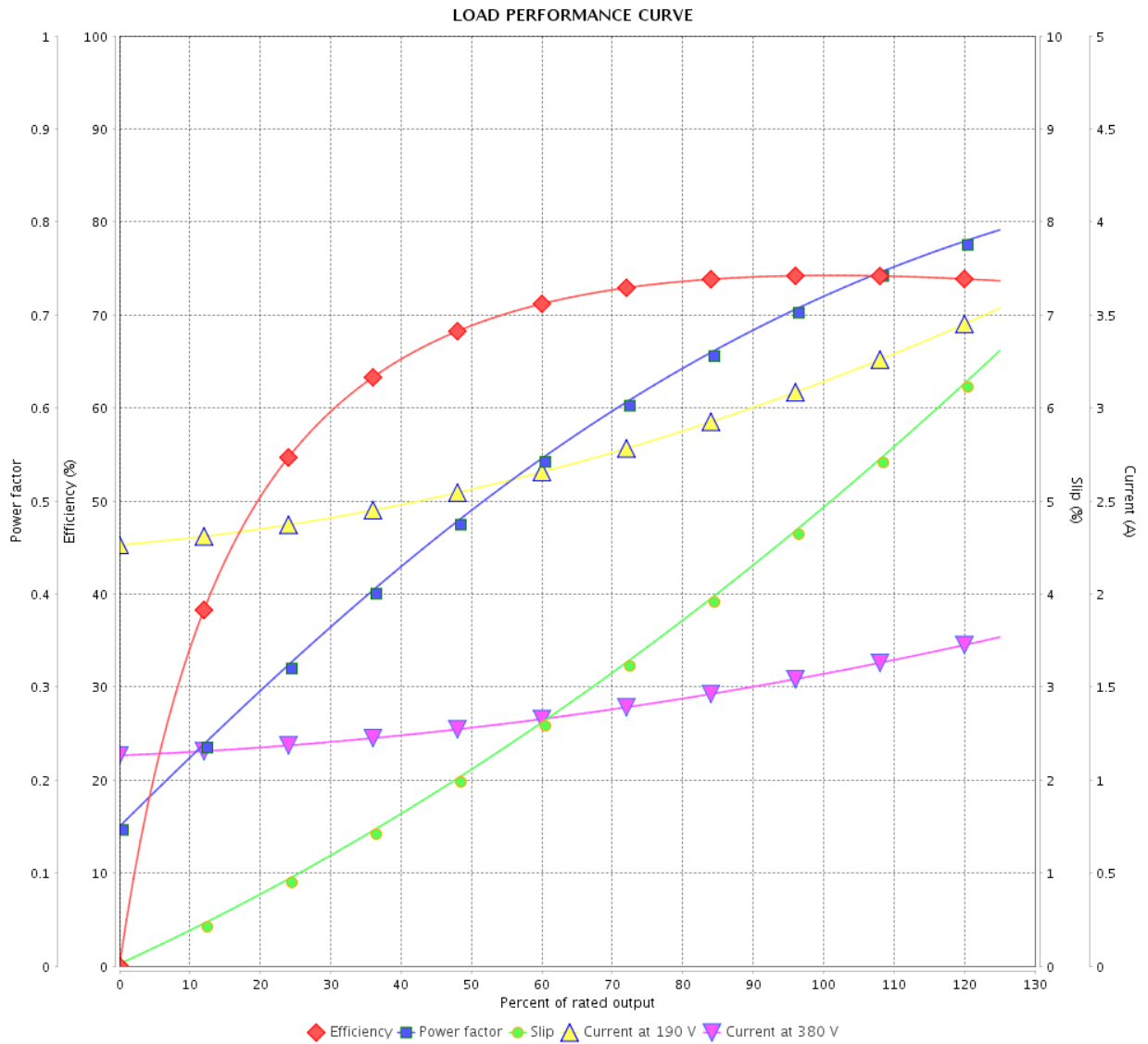
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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

Product line : Standard Efficiency Three-Phase      Product code : 13714425



Performance : 190/380 V 50 Hz 6P

Rated current : 3.12/1.56 A  
 LRC : 5.3  
 Rated torque : 0.573 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Rated speed : 950 rpm

Moment of inertia (J) : 0.0067 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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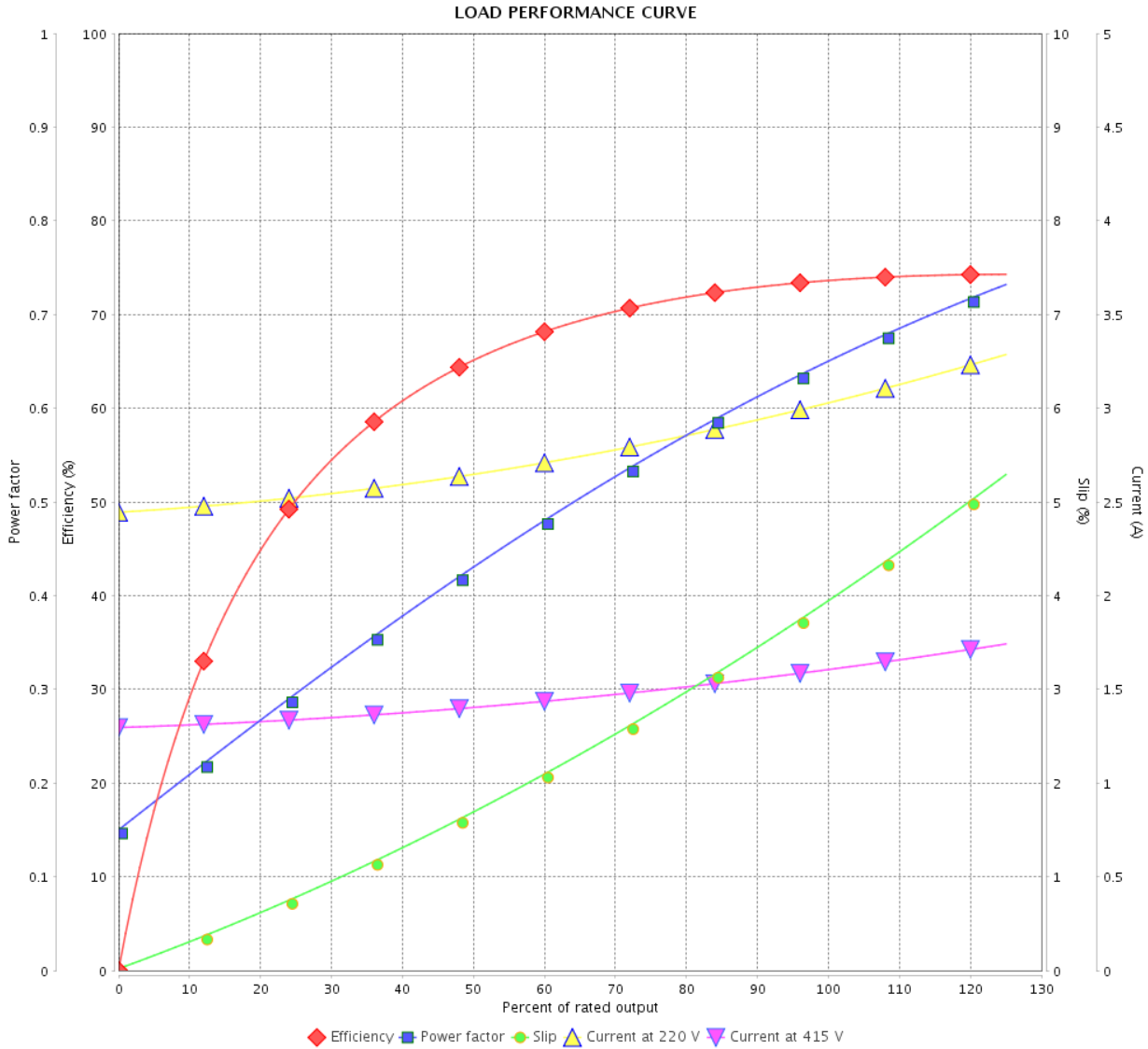
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13714425



Performance : 220/415 V 50 Hz 6P

Rated current : 3.02/1.60 A  
 LRC : 5.8  
 Rated torque : 0.567 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 310 %  
 Rated speed : 960 rpm

Moment of inertia (J) : 0.0067 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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