

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 13702962			
Frame : 56 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>2</sup> : 16.6 kg Moment of inertia (J) : 0.0052 kgm <sup>2</sup>			
Output [HP]	1			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	2.94/1.47			
L. R. Amperes [A]	25.3/12.6			
LRC [A]	8.6x(Code M)			
No load current [A]	1.78/0.890			
Rated speed [RPM]	1765			
Slip [%]	1.94			
Rated torque [kgfm]	0.411			
Locked rotor torque [%]	280			
Breakdown torque [%]	300			
Service factor	1.00			
Temperature rise	80 K			
Locked rotor time	34s (cold) 19s (hot)			
Noise level <sup>2</sup>	52.0 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 : 44 kgf Max. compression : 61 kgf			
Notes USABLE @208V 3.25A SF 1.00 SFA 3.25A				
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

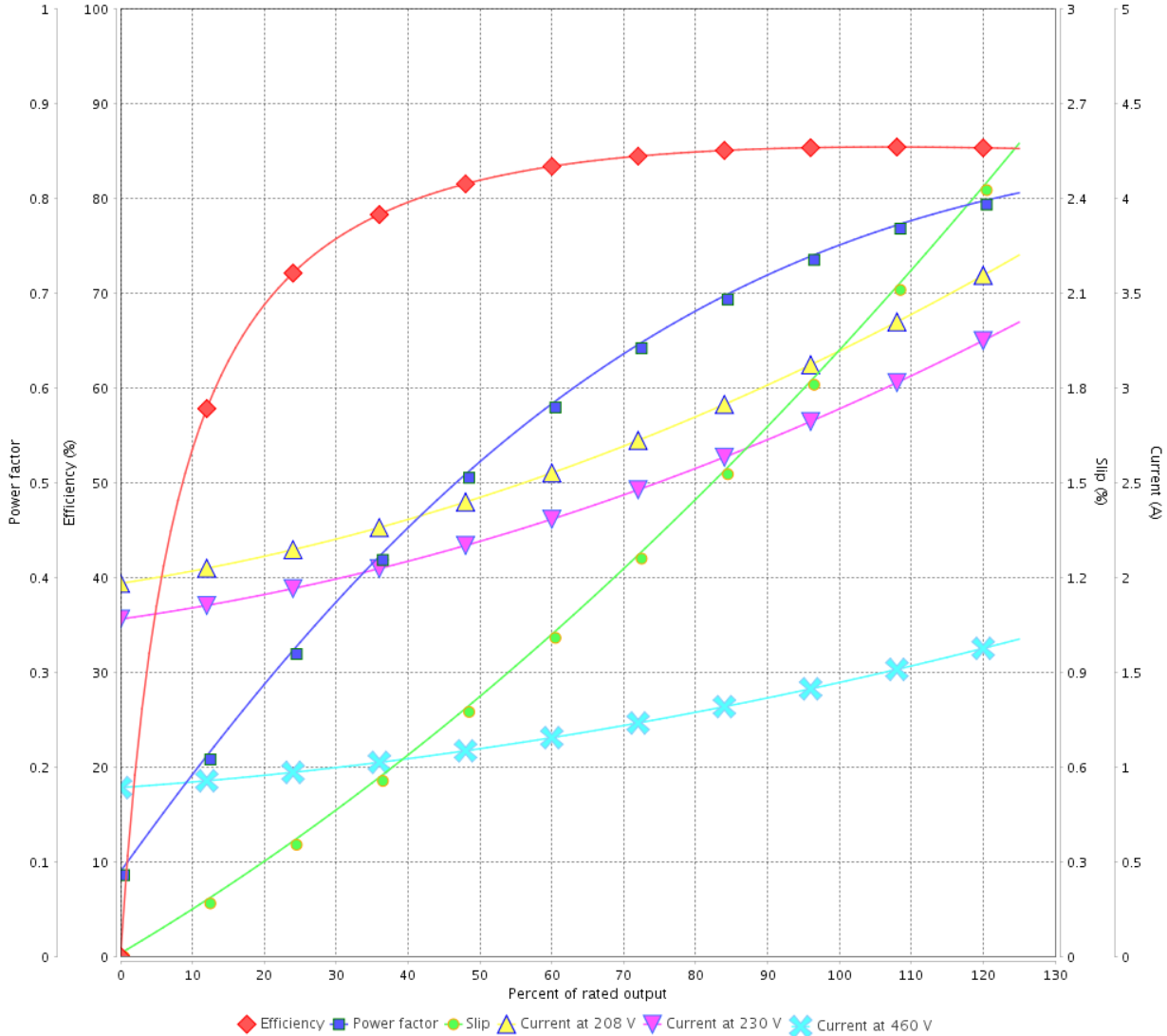


Customer :

Product line : Three-Phase

Product code : 13702962

LOAD PERFORMANCE CURVE



Performance : 230/460 V 60 Hz 4P

Rated current : 2.94/1.47 A  
 LRC : 8.6  
 Rated torque : 0.411 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 300 %  
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0052 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Date				

# LOAD PERFORMANCE CURVE

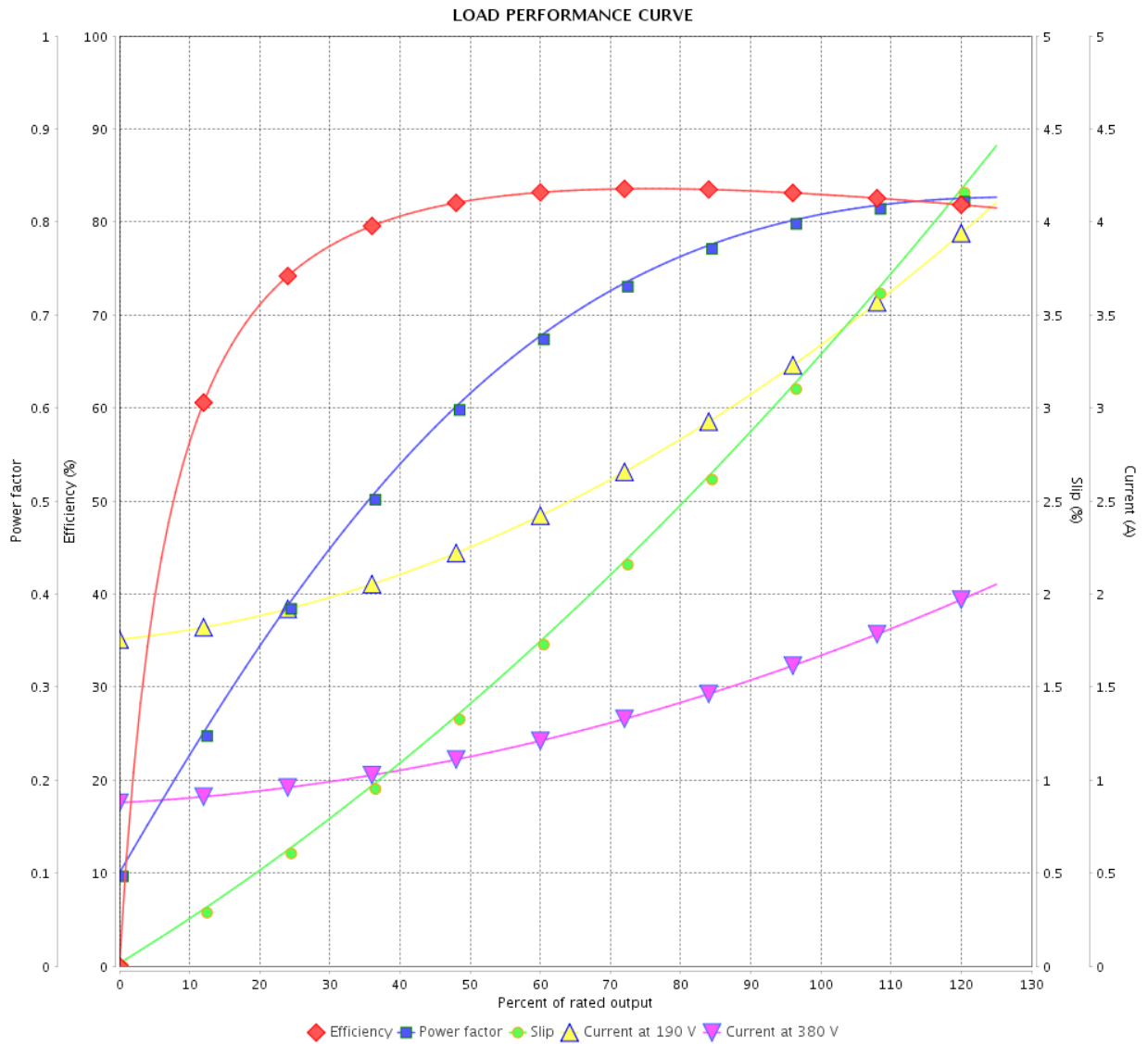
Three Phase Induction Motor - Squirrel Cage



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

Product line : Three-Phase

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Performance : 190/380 V 50 Hz 4P

Rated current : 3.40/1.70 A  
 LRC : 6.5  
 Rated torque : 0.501 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 270 %  
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0052 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

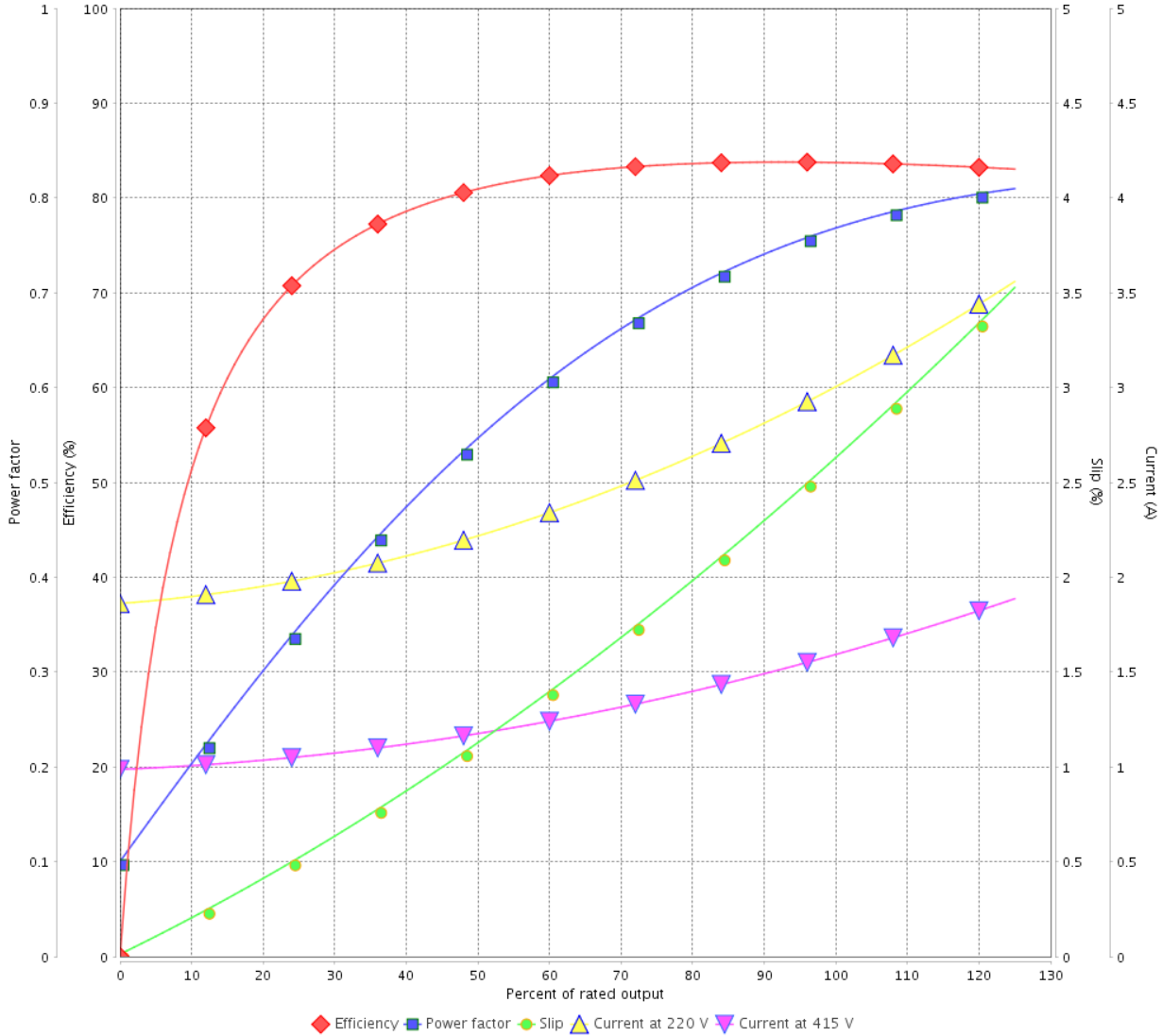


Customer :

Product line : Three-Phase

Product code : 13702962

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 4P

Rated current : 3.06/1.62 A  
 LRC : 7.5  
 Rated torque : 0.497 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 330 %  
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0052 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : B

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