

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 13702966			
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>3</sup> : 17.7 kg Moment of inertia (J) : 0.0054 kgm <sup>2</sup>			
Output [HP]	2			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	4.94/2.47			
L. R. Amperes [A]	48.9/24.5			
LRC [A]	9.9x(Code L)			
No load current [A]	2.13/1.06			
Rated speed [RPM]	3520			
Slip [%]	2.22			
Rated torque [kgfm]	0.412			
Locked rotor torque [%]	250			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	23s (cold) 13s (hot)			
Noise level <sup>2</sup>	68.0 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 : 46 kgf Max. compression : 63 kgf			
Notes USABLE @208V 5.46A SF 1.00 SFA 5.46A				
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	Date
Performed by				
Checked by				
Date	11/05/2022		Page	Revision
			1 / 4	

# LOAD PERFORMANCE CURVE

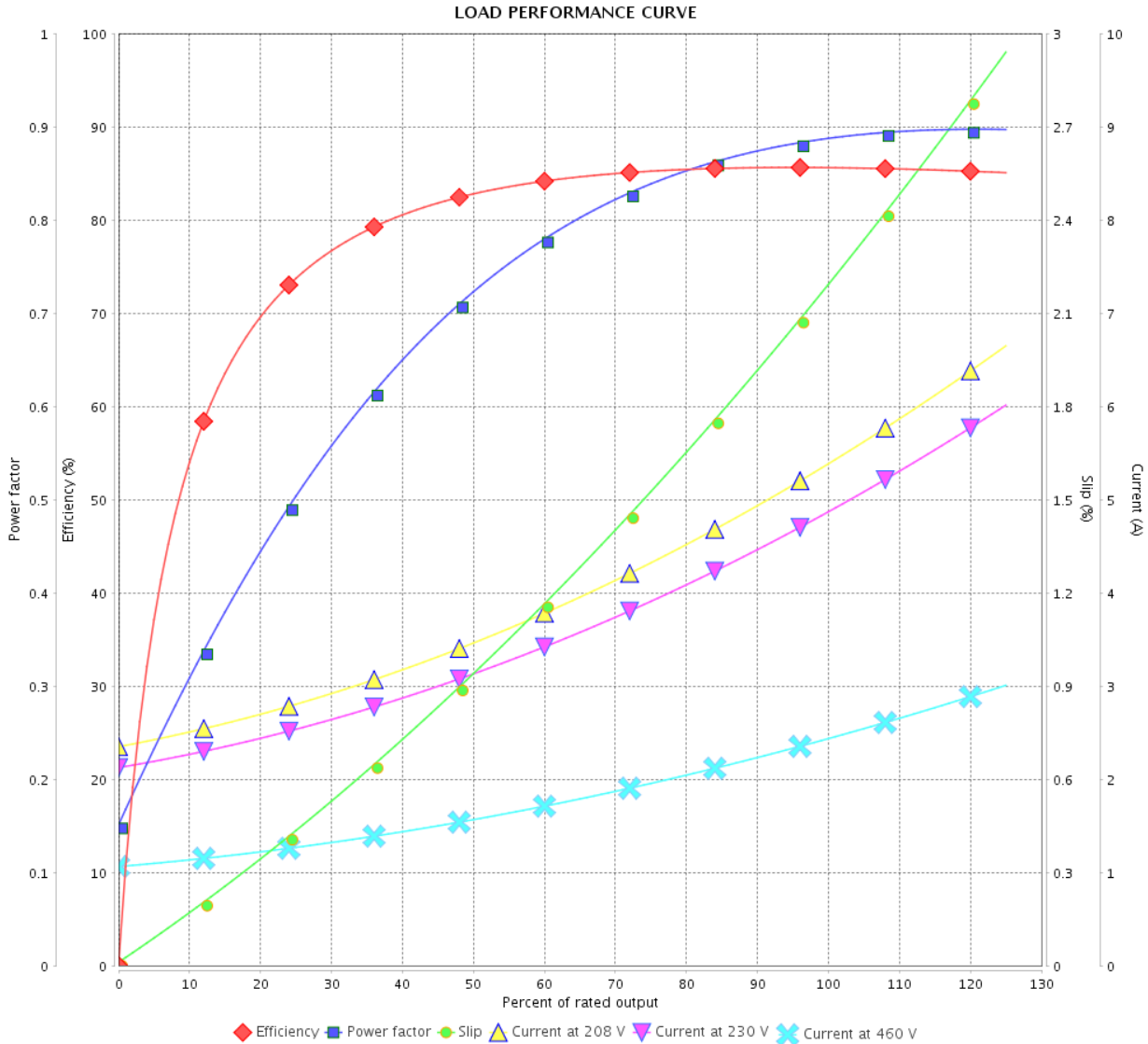
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13702966



Performance : 230/460 V 60 Hz 2P

Rated current : 4.94/2.47 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 :  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 4	Revision
Checked by				
Date	11/05/2022			

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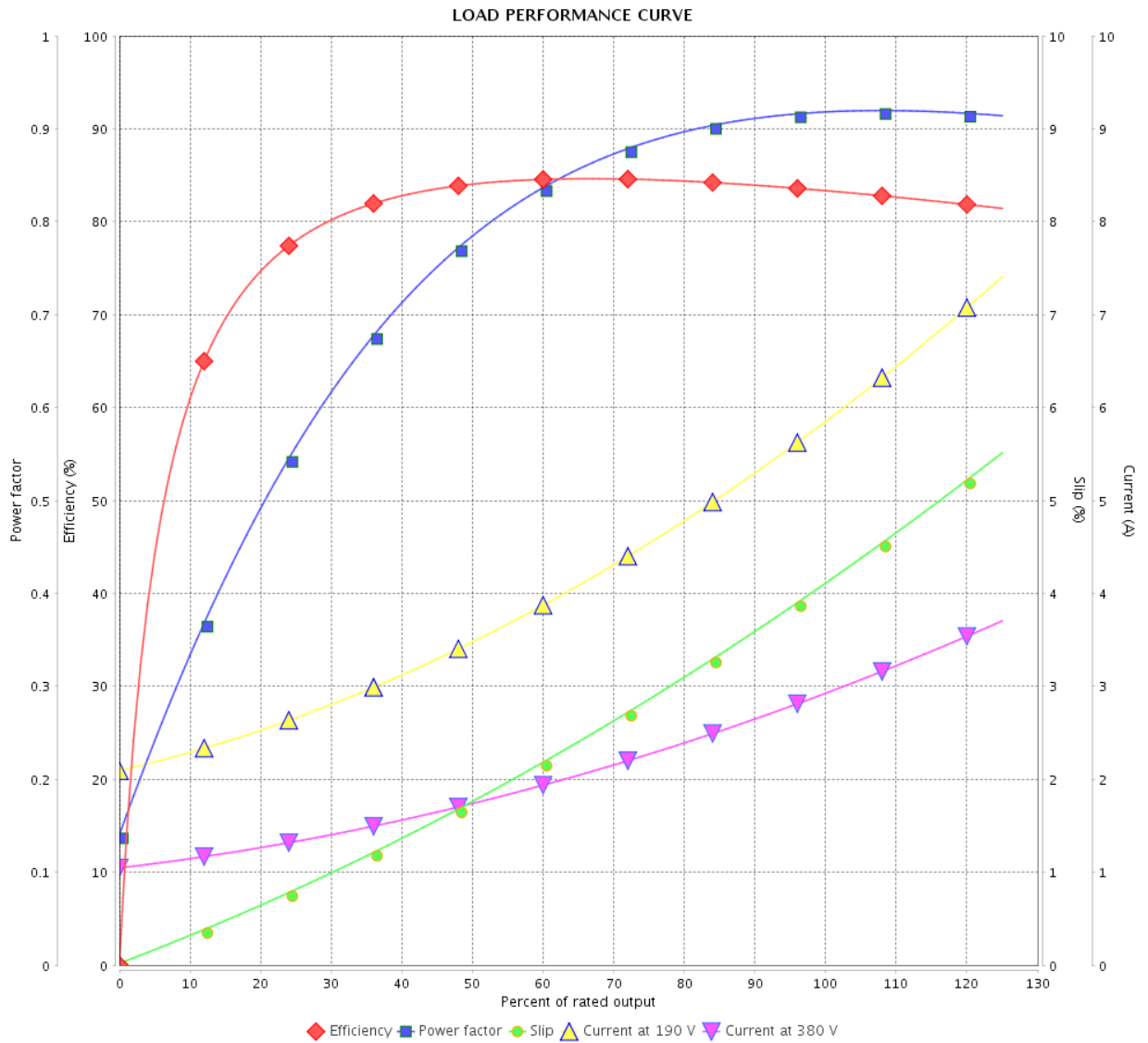
Three Phase Induction Motor - Squirrel Cage



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

Product line : Three-Phase

Product code : 13702966



Performance : 190/380 V 50 Hz 2P

Rated current : 5.94/2.97 A  
 LRC : 7.4  
 Rated torque : 0.505 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 280 %  
 Rated speed : 2875 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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

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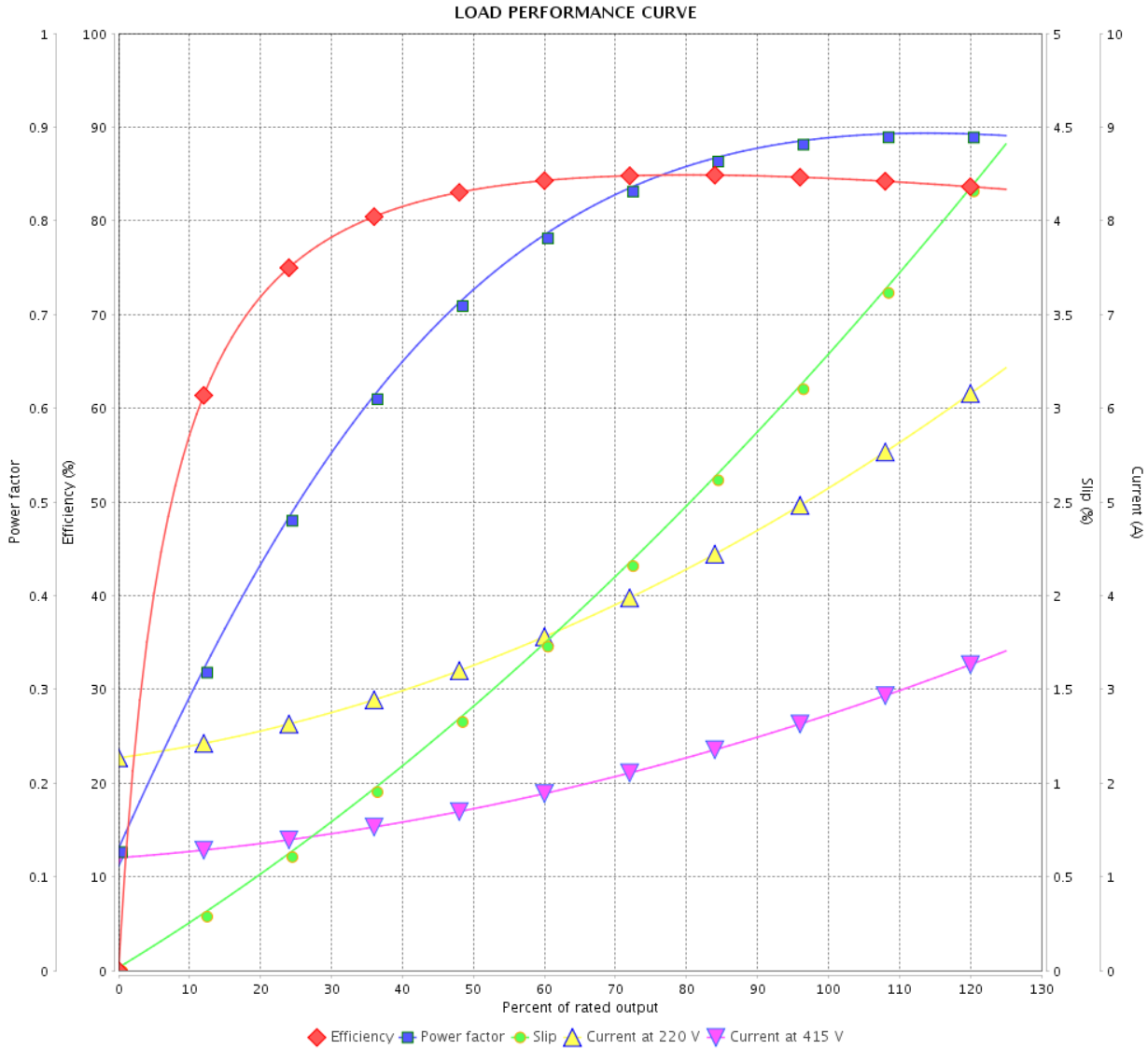
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13702966



Performance : 220/415 V 50 Hz 2P

Rated current : 5.23/2.77 A  
 LRC : 8.8  
 Rated torque : 0.501 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 340 %  
 Rated speed : 2900 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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