

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Standard Efficiency Three-Phase
Product code	: 13731251
Frame	: W56C
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
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>	: 6.8 kg
Moment of inertia (J)	: 0.0005 kgm <sup>2</sup>
Output [HP]	0.33
Poles	2
Frequency [Hz]	60
Rated voltage [V]	208-230/460
Rated current [A]	1.45-1.31/0.657
L. R. Amperes [A]	8.86-8.02/4.01
LRC [A]	6.1x(Code L)
No load current [A]	0.731-0.848/0.424
Rated speed [RPM]	3425
Slip [%]	4.86
Rated torque [kgfm]	0.070
Locked rotor torque [%]	290
Breakdown torque [%]	300
Service factor	
Temperature rise	80 K
Locked rotor time	50s (cold) 28s (hot)
Noise level <sup>2</sup>	65.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ
Sealing	: V'Ring V'Ring
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 4 kgf Max. compression : 11 kgf
Notes USABLE @208V SF 1.00	
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 by	Performed
Checked by	Checked
Date	13/05/2022
Page	1 / 4
Revision	

# LOAD PERFORMANCE CURVE

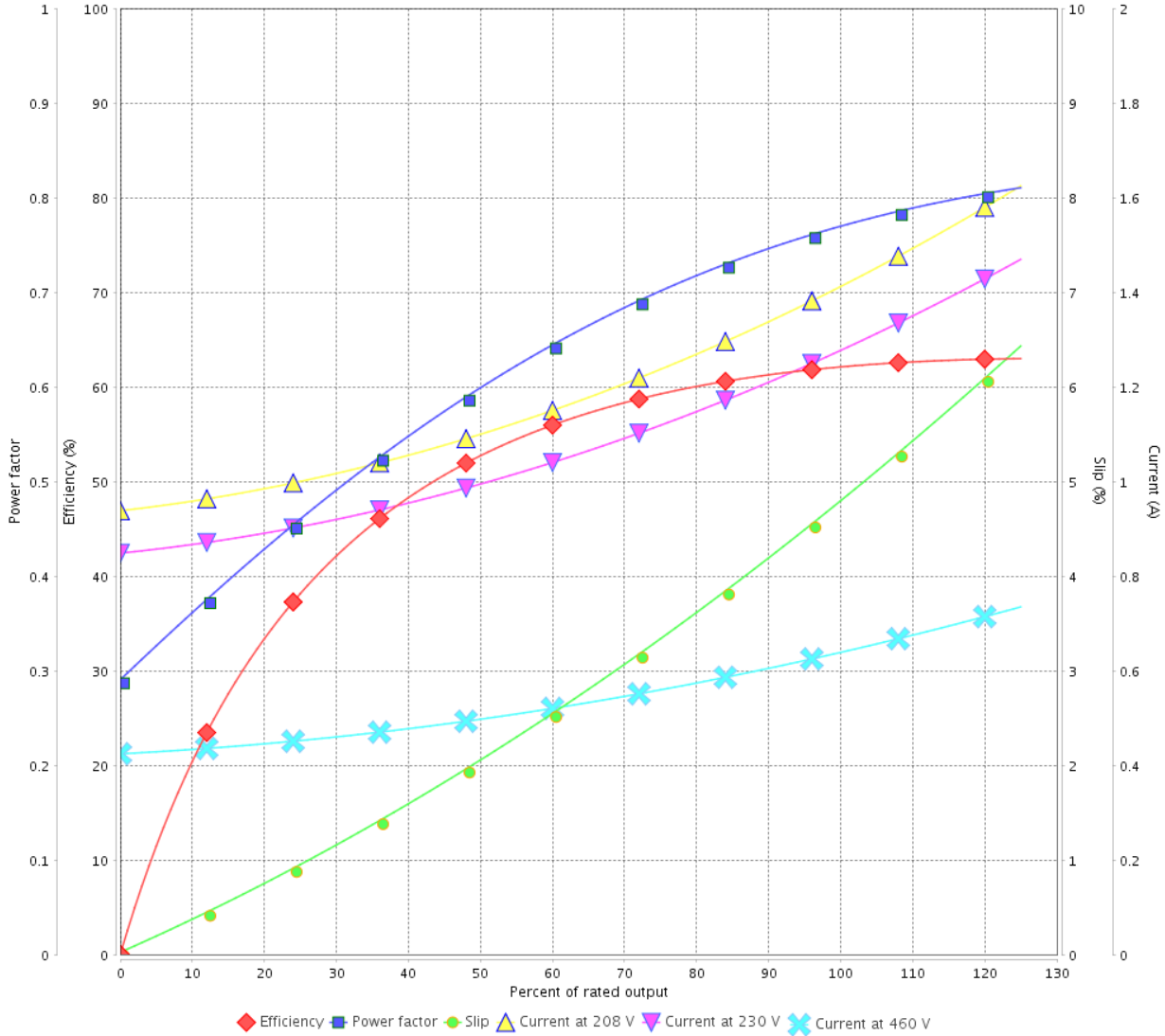
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13731251

LOAD PERFORMANCE CURVE



Performance : 208-230/460 V 60 Hz 2P

Rated current : 1.45-1.31/0.657 A  
 LRC : 6.1  
 Rated torque : 0.070 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Rated speed : 3425 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 4	Revision
Checked by				
Date	13/05/2022			

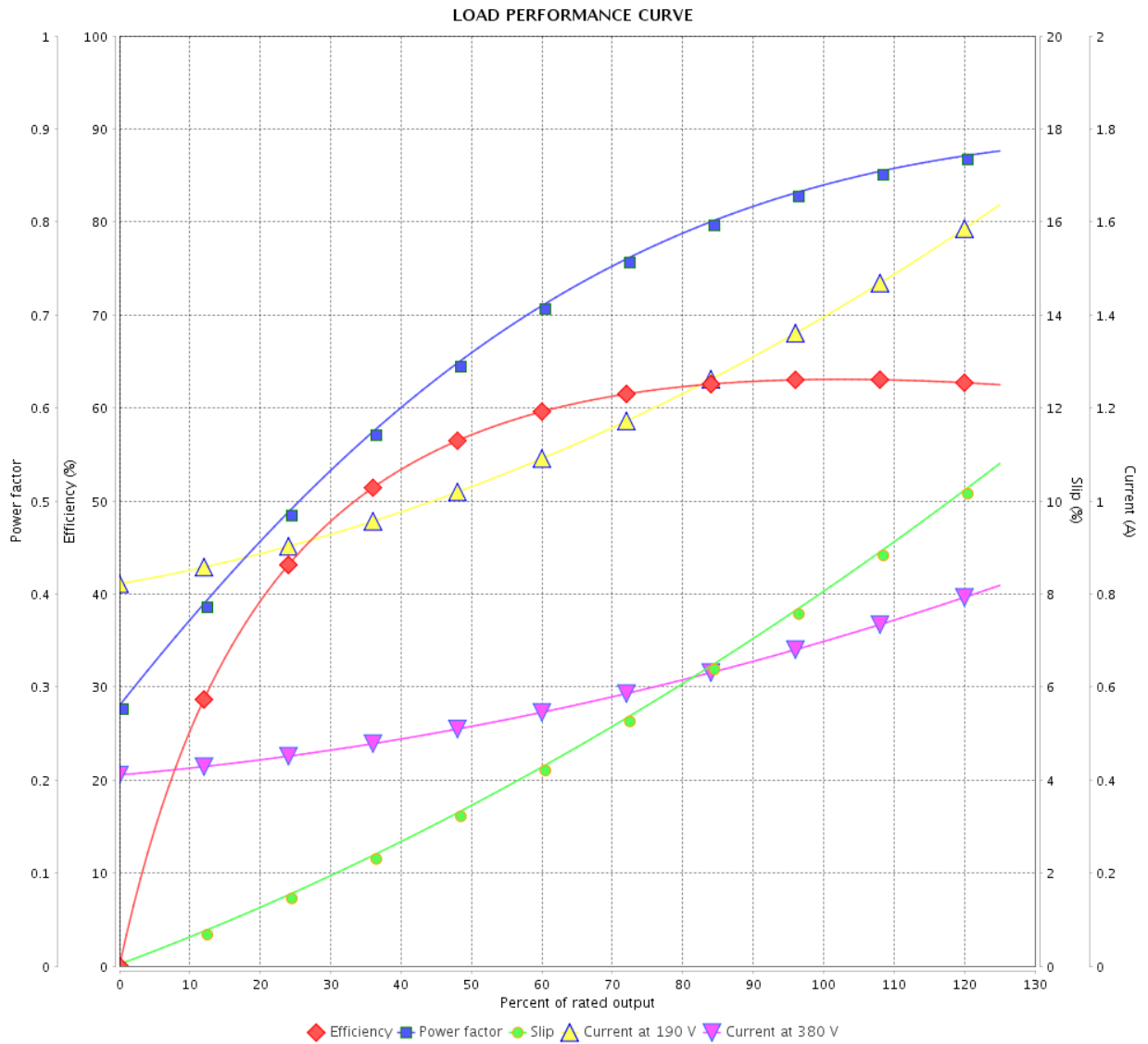
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



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

Product line : Standard Efficiency Three-Phase      Product code : 13731251



Performance : 190/380 V 50 Hz 2P

Rated current : 1.44/0.718 A  
 LRC : 4.5  
 Rated torque : 0.087 kgfm  
 Locked rotor torque : 220 %  
 Breakdown torque : 229 %  
 Rated speed : 2755 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 4	Revision
Checked by				
Date	13/05/2022			

# LOAD PERFORMANCE CURVE

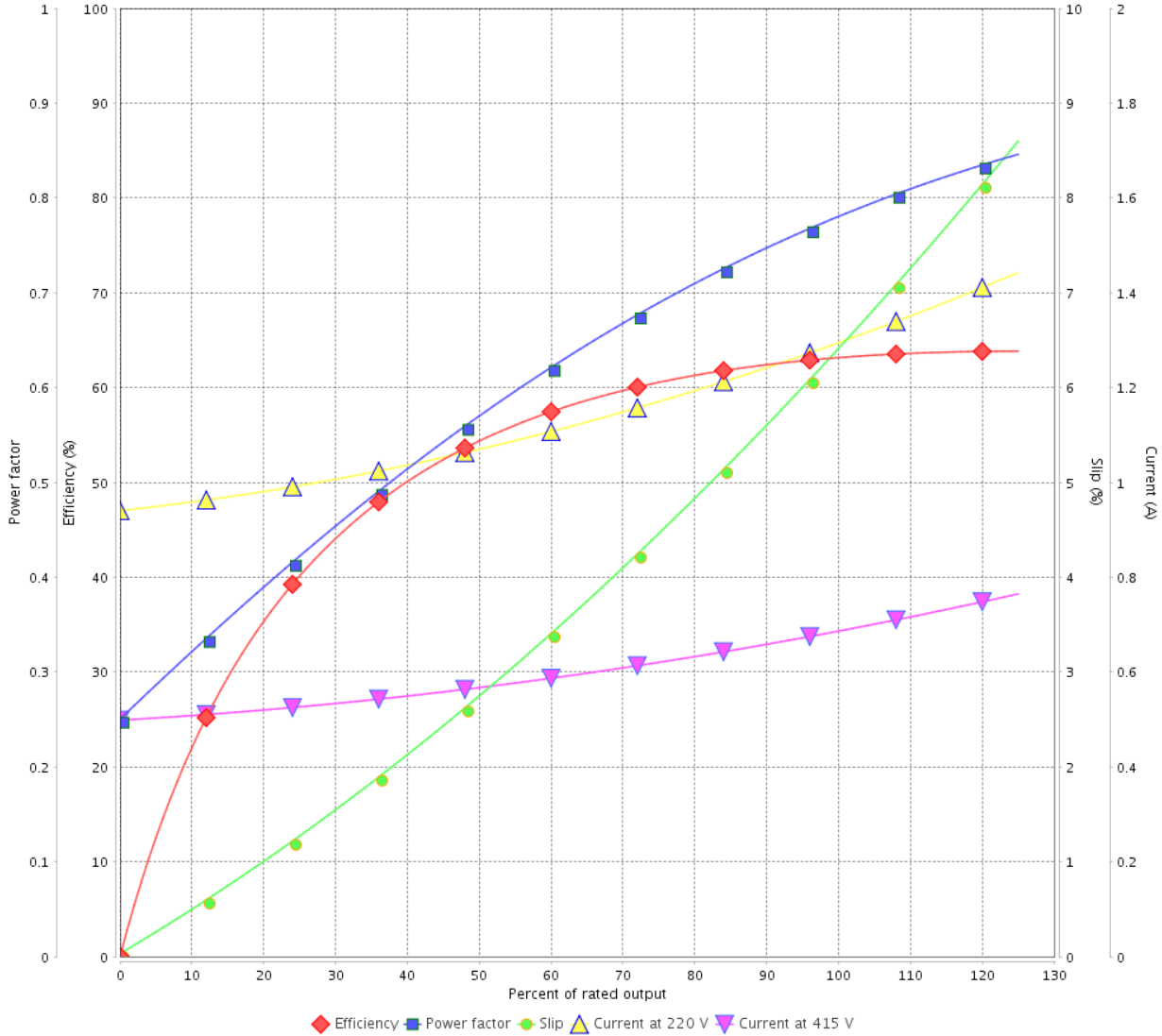
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13731251

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 2P

Rated current : 1.34/0.708 A  
 LRC : 5.0  
 Rated torque : 0.085 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 280 %  
 Rated speed : 2805 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 4	Revision
Checked by				
Date	13/05/2022			