

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Standard Efficiency Three-Phase
Product code	: 13484853
Frame	: 56H
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: A
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation <sup>1</sup>	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight <sup>2</sup>	: 14.9 kg
Moment of inertia (J)	: 0.0044 kgm <sup>2</sup>
Output [HP]	2
Poles	4
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	6.22/3.11
L. R. Amperes [A]	41.7/20.8
LRC [A]	6.7x(Code K)
No load current [A]	4.00/2.00
Rated speed [RPM]	1740
Slip [%]	3.33
Rated torque [kgfm]	0.834
Locked rotor torque [%]	240
Breakdown torque [%]	250
Service factor	
Temperature rise	80 K
Locked rotor time	12s (cold) 7s (hot)
Noise level <sup>2</sup>	52.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ
Sealing	: Without Without Bearing Seal Bearing Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 74 kgf Max. compression : 89 kgf
Notes USABLE @208V 6.88A SF 1.00 SFA 6.88A	
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
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# LOAD PERFORMANCE CURVE

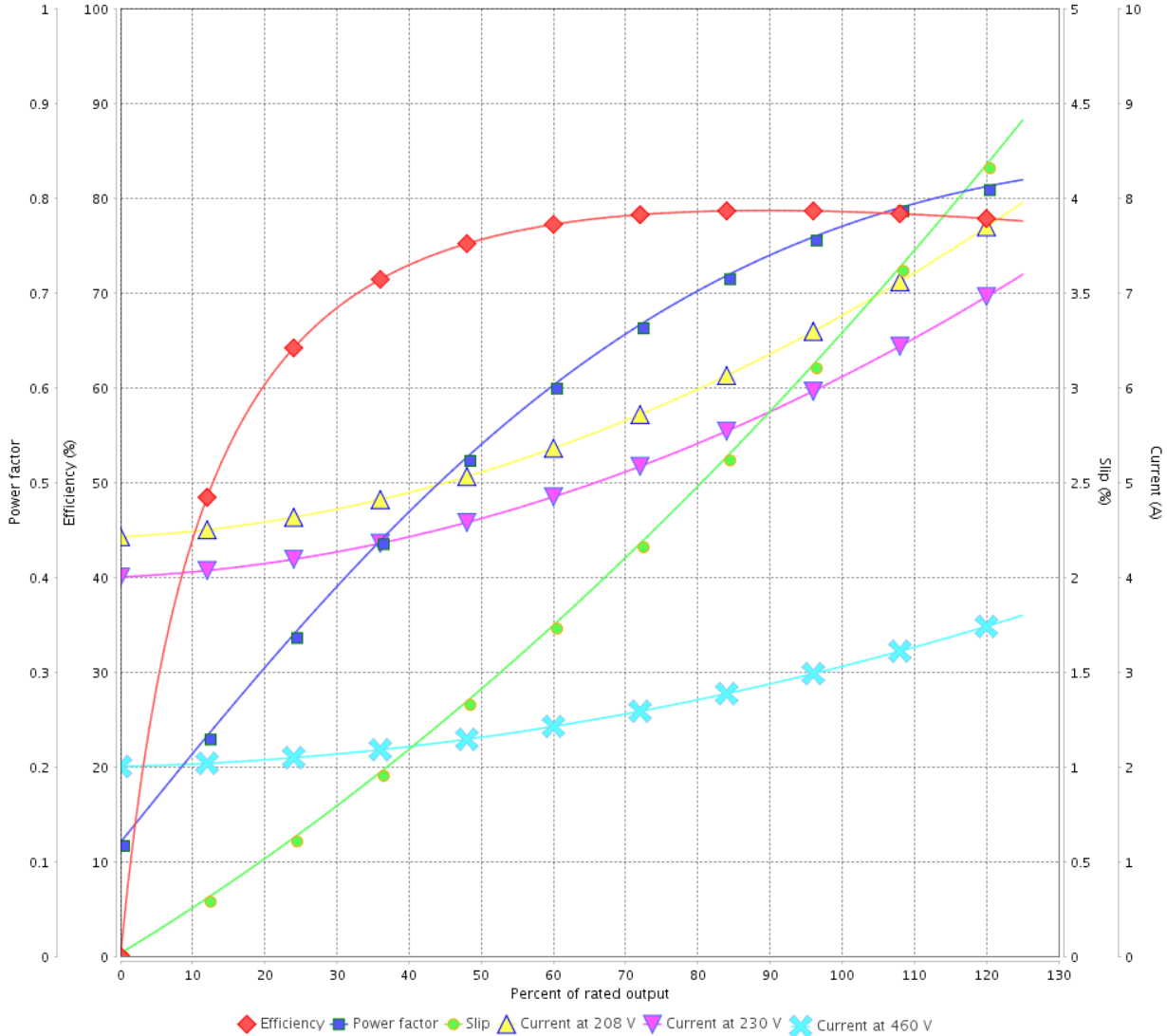
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13484853

LOAD PERFORMANCE CURVE



Performance : 230/460 V 60 Hz 4P

Rated current : 6.22/3.11 A  
 LRC : 6.7  
 Rated torque : 0.834 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 250 %  
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0044 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : A

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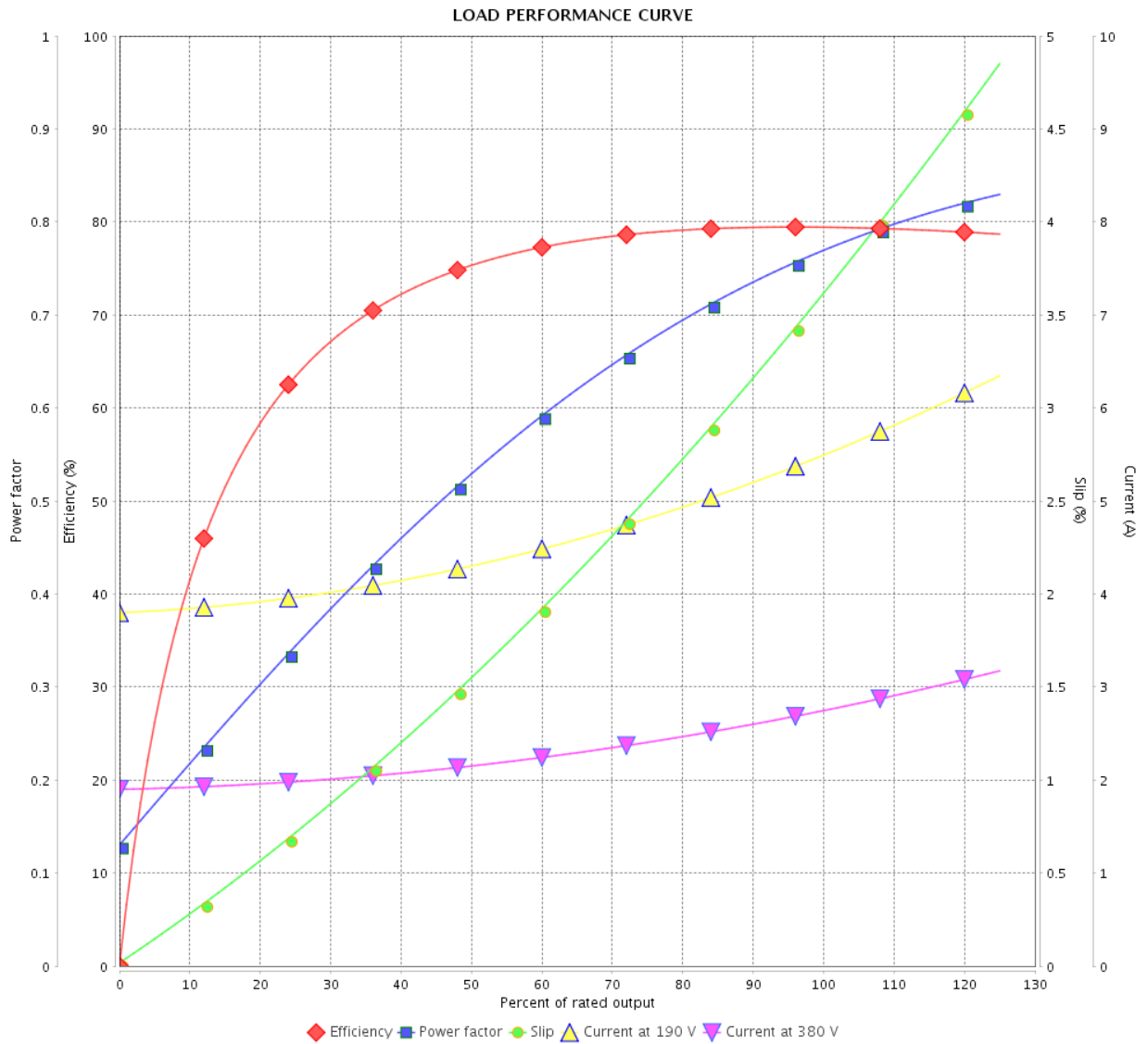
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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

Product line : Standard Efficiency Three-Phase      Product code : 13484853



Performance : 190/380 V 50 Hz 4P

Rated current : 5.46/2.73 A  
 LRC : 6.6  
 Rated torque : 0.753 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 280 %  
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0044 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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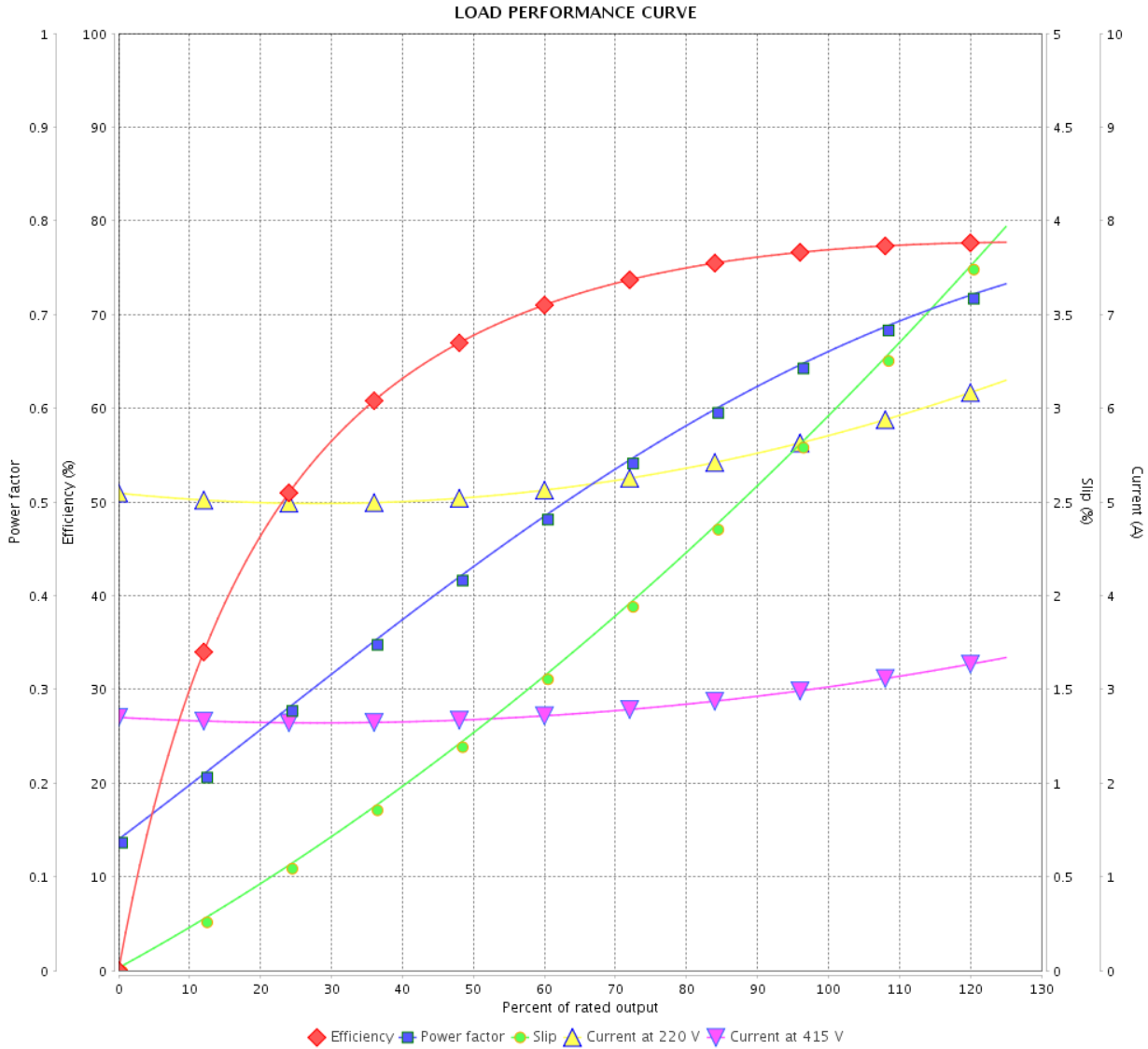
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13484853



Performance : 220/415 V 50 Hz 4P

Rated current : 5.70/3.02 A  
 LRC : 6.7  
 Rated torque : 0.748 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 340 %  
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0044 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : A

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