

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Standard Efficiency Three-Phase
Product code	: 13997247
Frame	: 56C
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ²	: 7.4 kg
Moment of inertia (J)	: 0.0016 kgm ²
Output [HP]	0.25
Poles	4
Frequency [Hz]	60
Rated voltage [V]	208-230/460
Rated current [A]	1.26-1.14/0.571
L. R. Amperes [A]	7.45-6.74/3.37
LRC [A]	5.9x(Code M)
No load current [A]	0.864-1.00/0.501
Rated speed [RPM]	1760
Slip [%]	2.22
Rated torque [kgfm]	0.103
Locked rotor torque [%]	229
Breakdown torque [%]	350
Service factor	1.15
Temperature rise	80 K
Locked rotor time	59s (cold) 33s (hot)
Noise level ²	52.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 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 : 9 kgf Max. compression : 16 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.	
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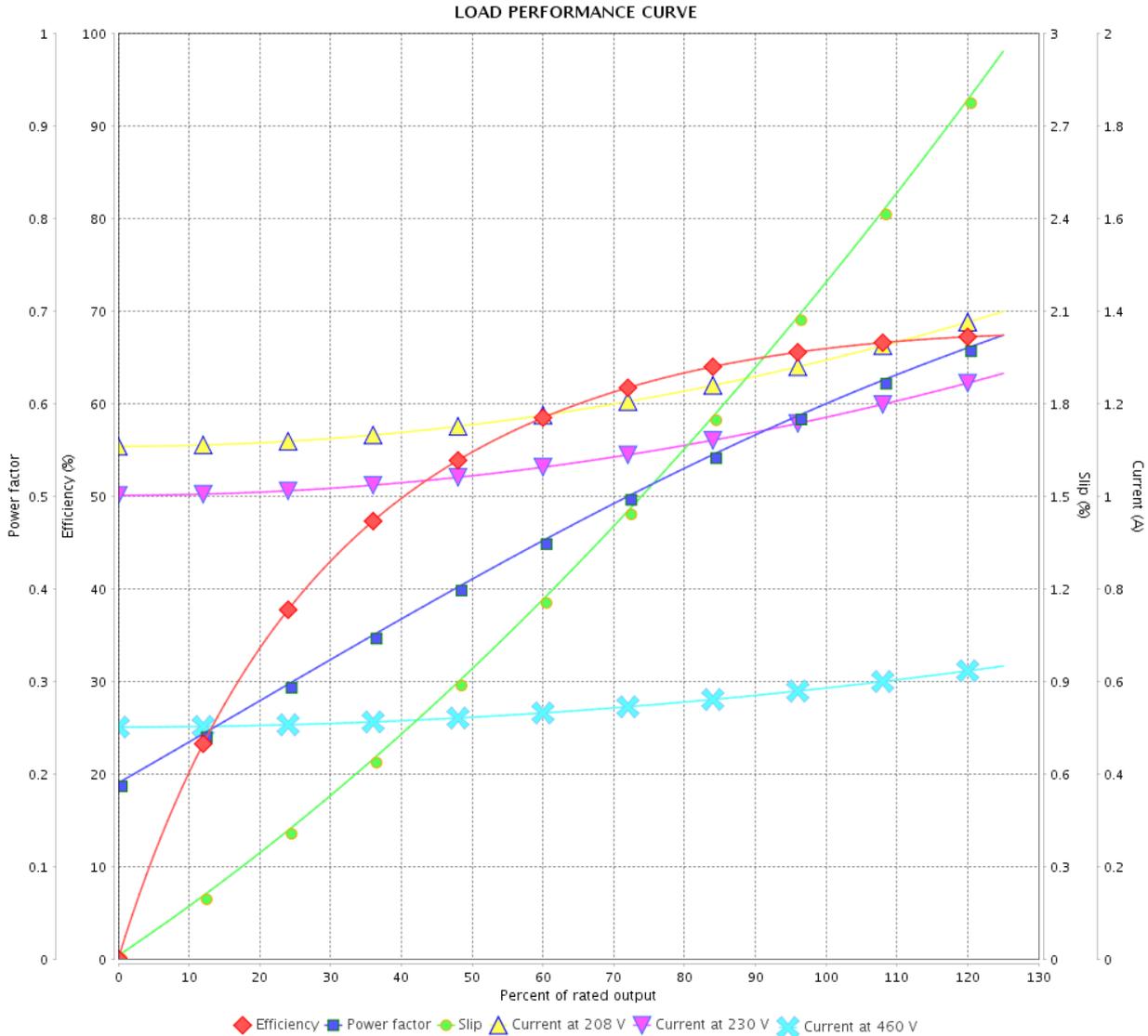
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13997247



Performance : 208-230/460 V 60 Hz 4P

Rated current : 1.26-1.14/0.571 A
 LRC : 5.9
 Rated torque : 0.103 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 350 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0016 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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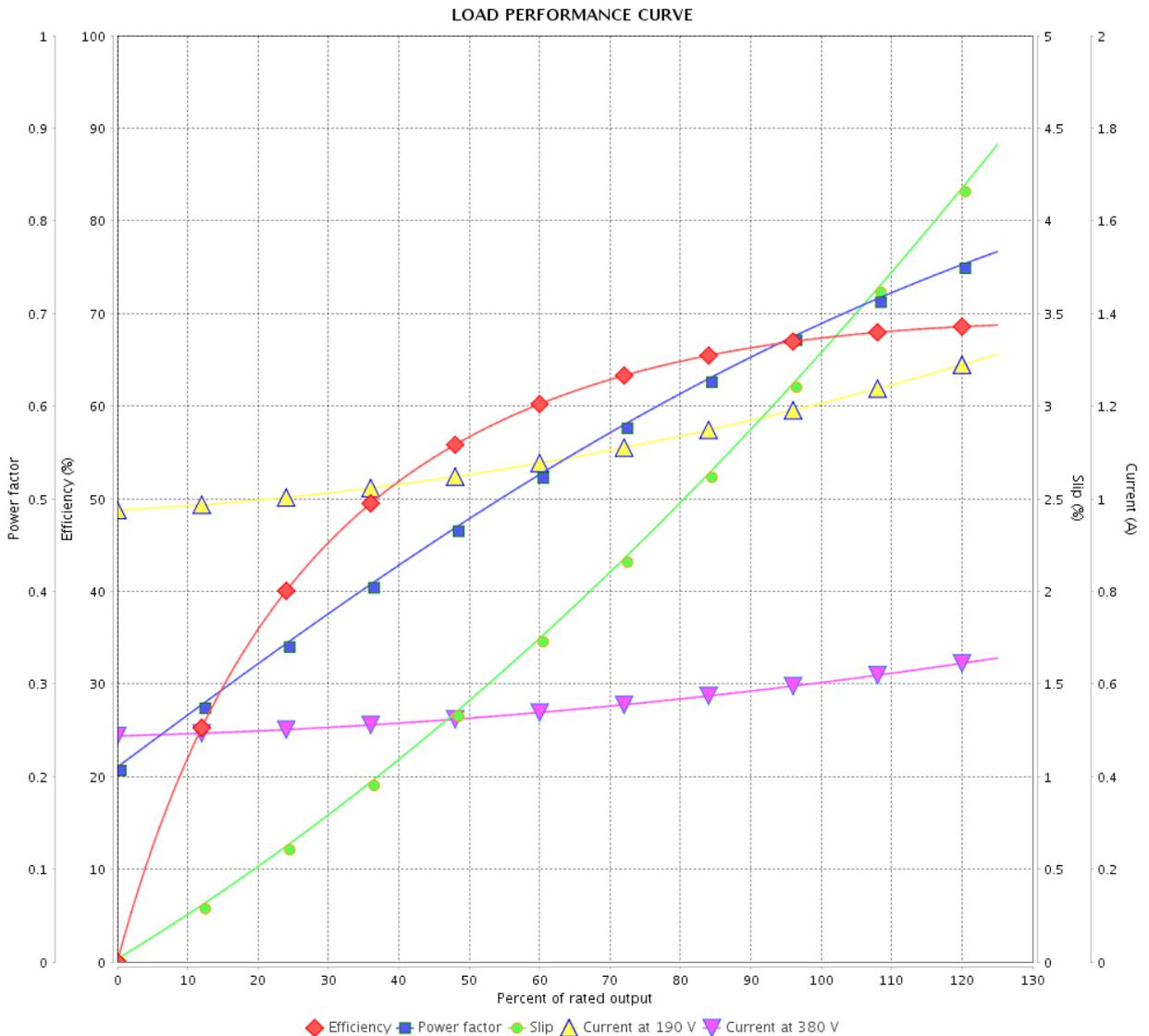
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13997247



Performance : 190/380 V 50 Hz 4P

Rated current : 1.18/0.589 A
 LRC : 5.0
 Rated torque : 0.125 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0016 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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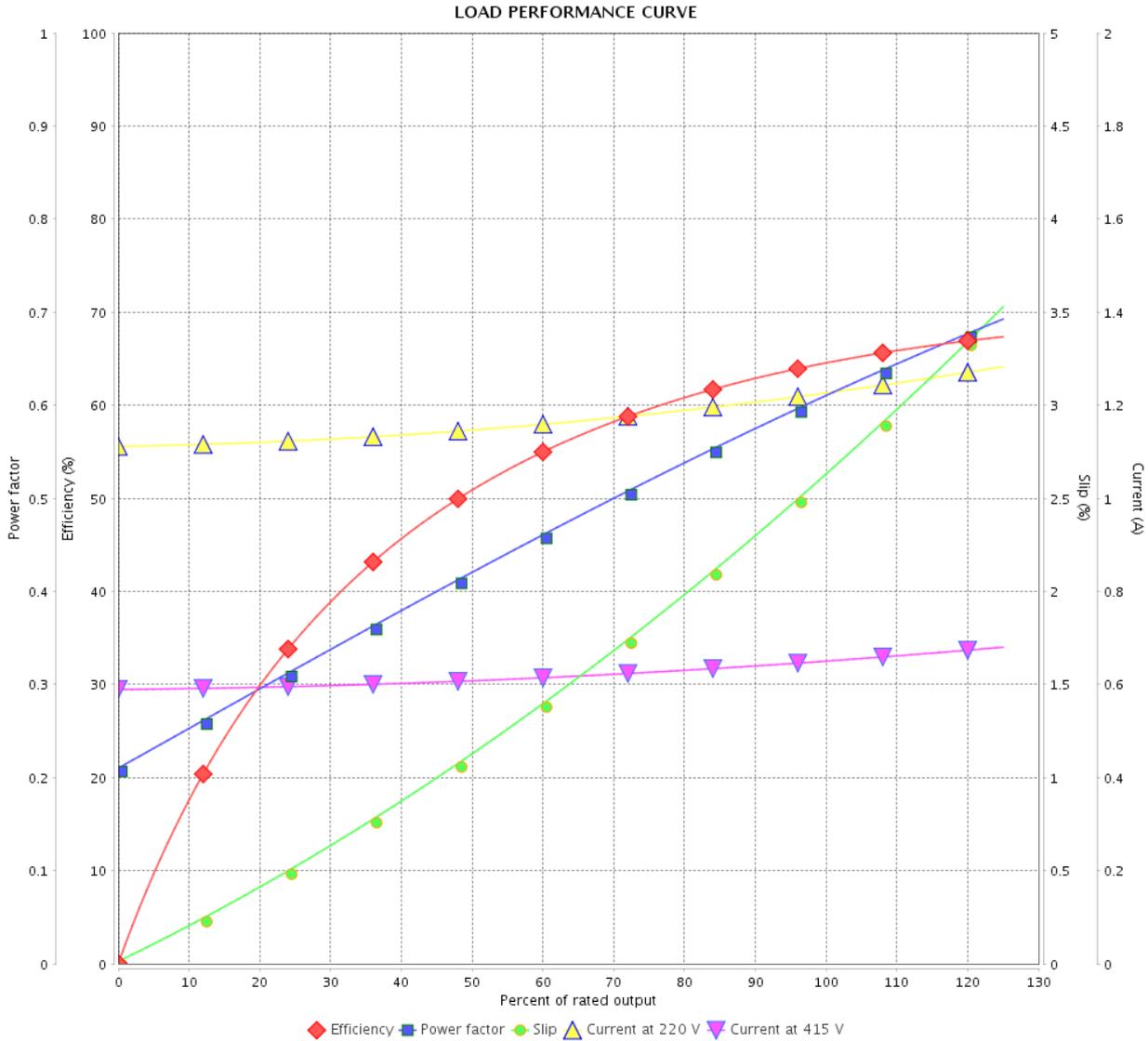
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13997247



Performance : 220/415 V 50 Hz 4P

Rated current : 1.20/0.636 A
 LRC : 5.1
 Rated torque : 0.124 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 320 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0016 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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