

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: NEMA Premium Efficiency Three-Phase
Product code :	13579480
Frame	: 213/5TC
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: B
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ³	: 55.4 kg
Moment of inertia (J)	: 0.0433 kgm ²
Output [HP]	7.5
Poles	4
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	18.5/9.25
L. R. Amperes [A]	133/66.6
LRC [A]	7.2x(Code H)
No load current [A]	8.79/4.39
Rated speed [RPM]	1770
Slip [%]	1.67
Rated torque [kgfm]	3.08
Locked rotor torque [%]	240
Breakdown torque [%]	320
Service factor	1.15
Temperature rise	80 K
Locked rotor time	23s (cold) 13s (hot)
Noise level ²	59.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: Drive end 6208 ZZ Non drive end 6206 ZZ
Sealing	: Without Without Bearing Seal Bearing Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 165 kgf Max. compression : 220 kgf
Notes USABLE @208V 20.5A SF 1.00 SFA 20.5A	
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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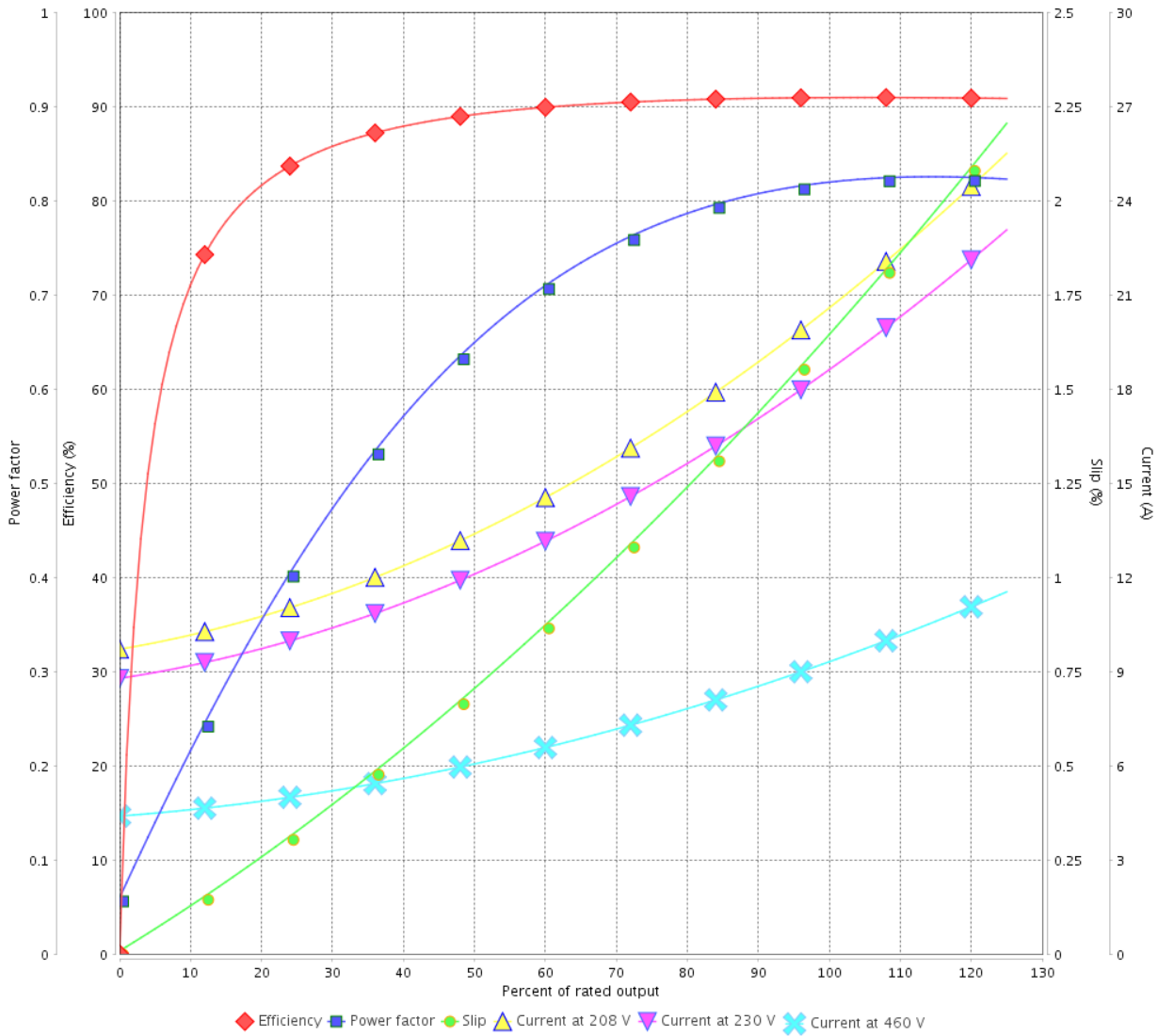
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 13579480

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Performance : 230/460 V 60 Hz 4P

Rated current : 18.5/9.25 A
 LRC : 7.2
 Rated torque : 3.08 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 320 %
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.0433 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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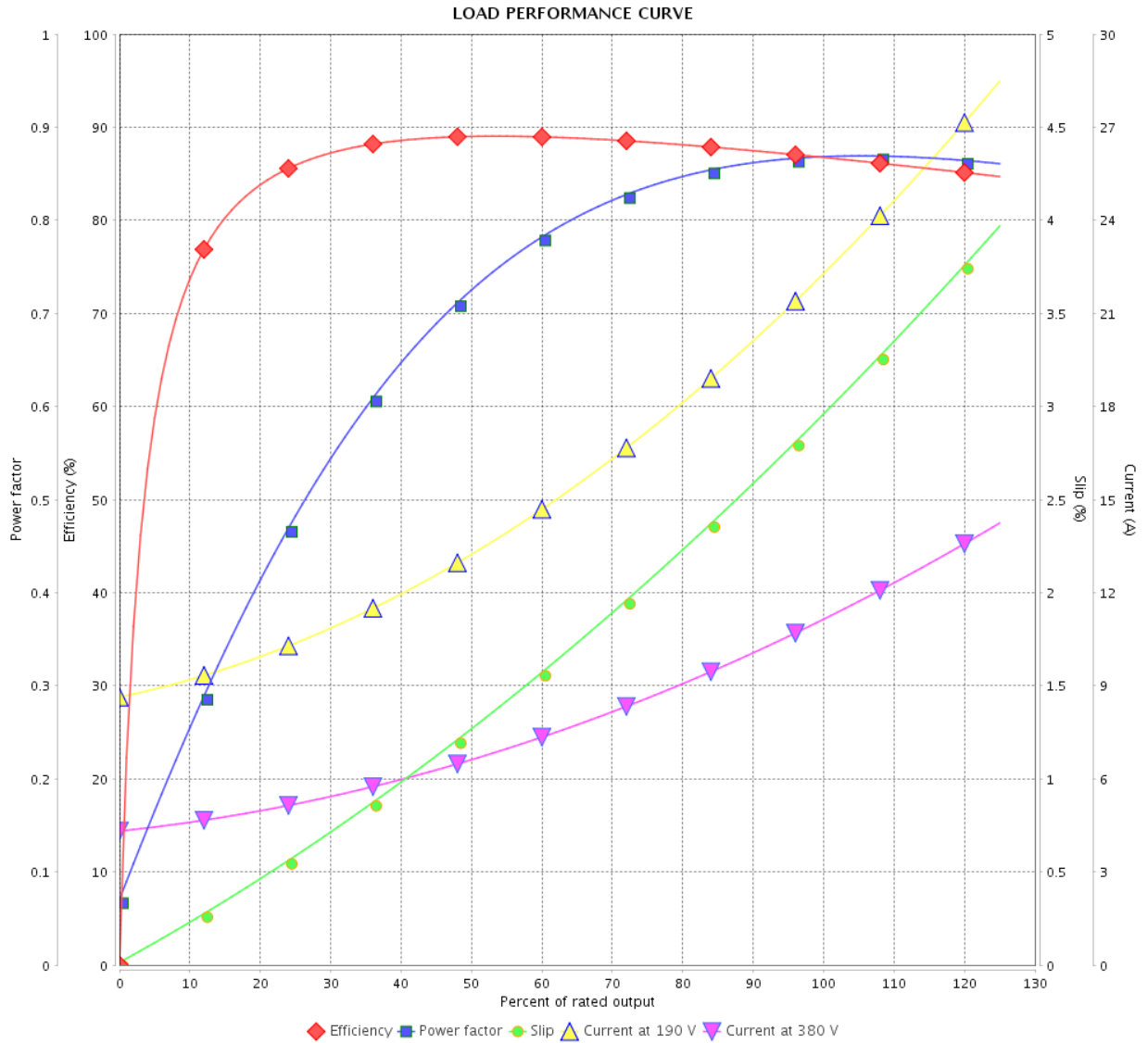
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

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Performance : 190/380 V 50 Hz 4P

Rated current : 22.2/11.1 A
 LRC : 5.8
 Rated torque : 3.74 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 229 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0433 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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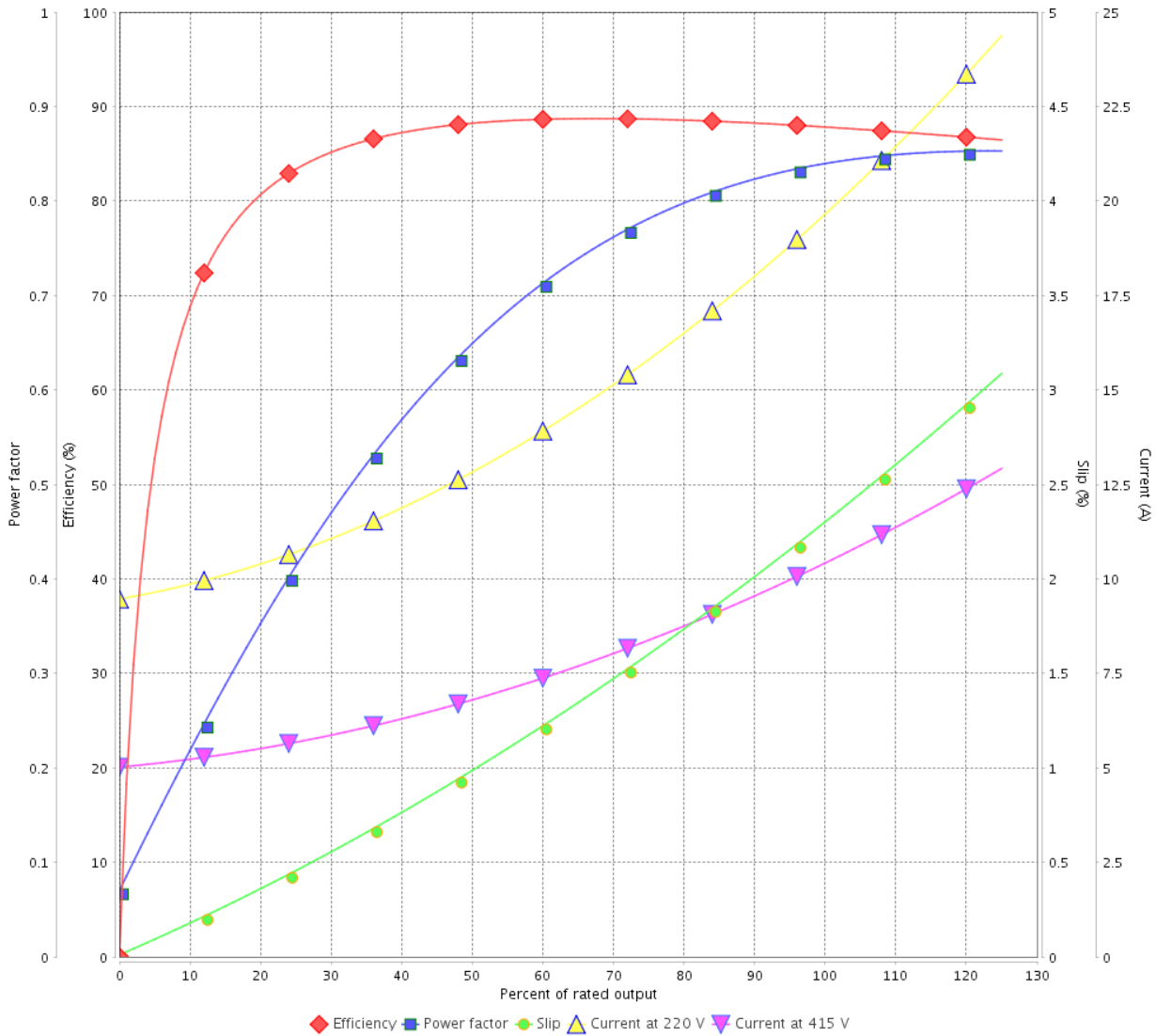
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Performance : 220/415 V 50 Hz 4P

Rated current : 19.6/10.4 A
 LRC : 6.9
 Rated torque : 3.72 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 280 %
 Rated speed : 1465 rpm

Moment of inertia (J) : 0.0433 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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