

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Standard Efficiency Three-Phase
Product code	: 13658095
Frame	: 56HC
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 ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ²	: 13.3 kg
Moment of inertia (J)	: 0.0038 kgm ²
Output [HP]	1.5
Poles	4
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	4.60/2.30
L. R. Amperes [A]	31.7/15.9
LRC [A]	6.9x(Code K)
No load current [A]	3.20/1.60
Rated speed [RPM]	1745
Slip [%]	3.06
Rated torque [kgfm]	0.624
Locked rotor torque [%]	250
Breakdown torque [%]	280
Service factor	1.00
Temperature rise	80 K
Locked rotor time	18s (cold) 10s (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> 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 : 54 kgf Max. compression : 67 kgf
Notes USABLE @208V 5.09A SF 1.00 SFA 5.09A	
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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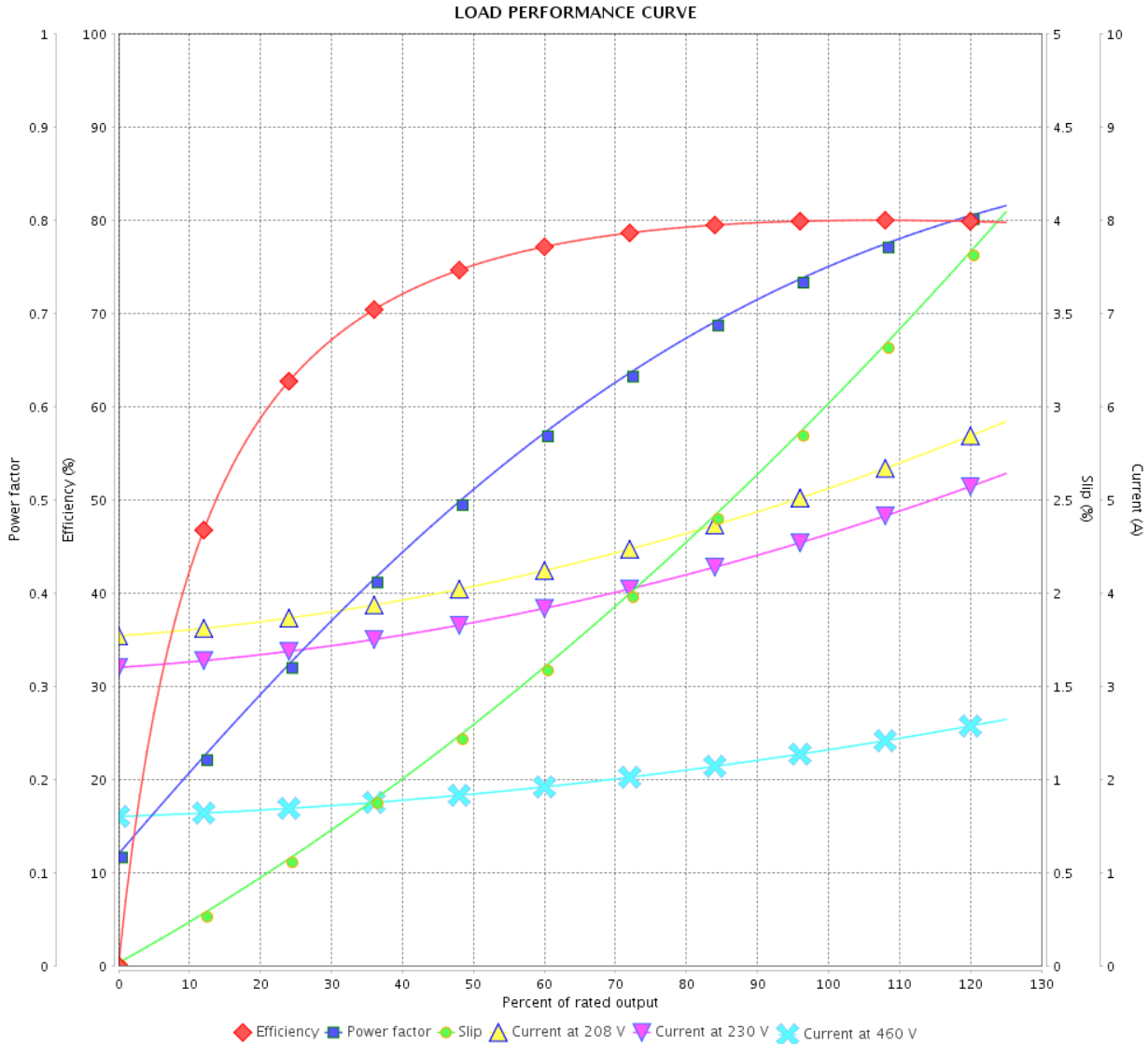
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13658095



Performance : 230/460 V 60 Hz 4P

Rated current : 4.60/2.30 A
 LRC : 6.9
 Rated torque : 0.624 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0038 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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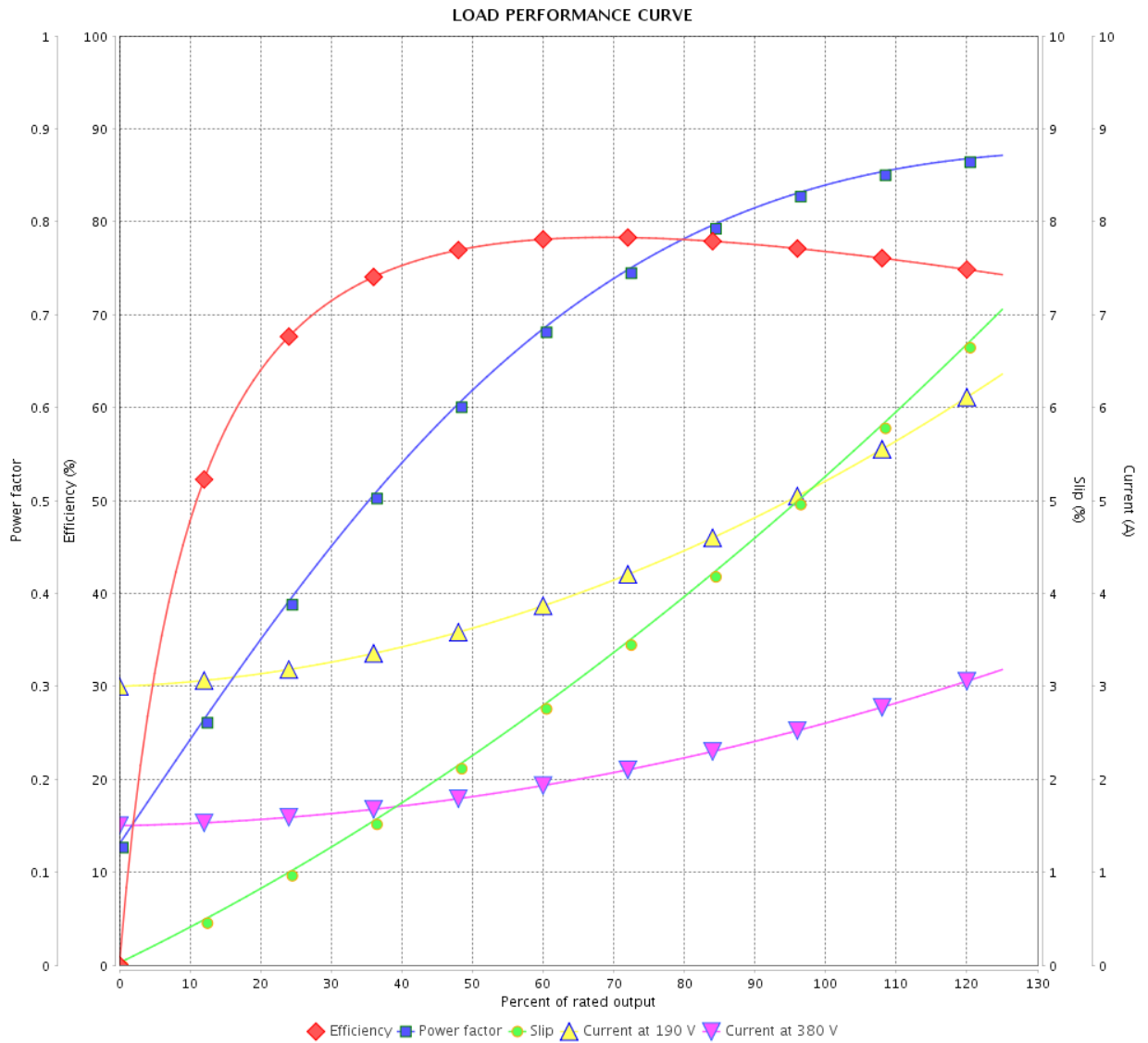
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13658095



Performance : 190/380 V 50 Hz 4P

Rated current : 5.18/2.59 A
 LRC : 5.5
 Rated torque : 0.767 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 210 %
 Rated speed : 1420 rpm

Moment of inertia (J) : 0.0038 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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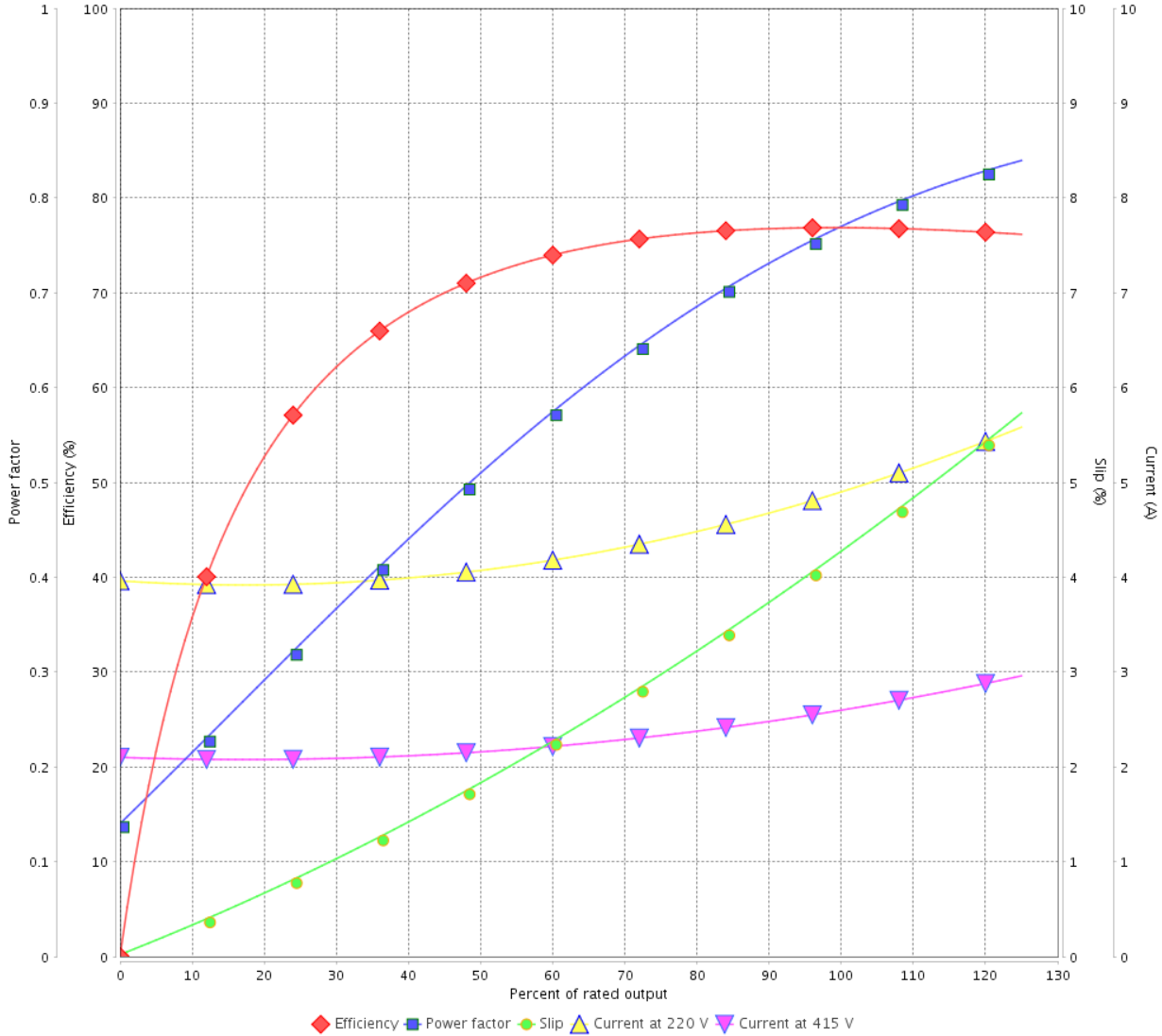
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13658095

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Performance : 220/415 V 50 Hz 4P

Rated current : 4.89/2.59 A
 LRC : 6.0
 Rated torque : 0.759 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0038 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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