

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Jet Pump - J type Three-Phase
Product code	: 13961579
Frame	: 56J
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	: CCW
Starting method	: Direct On Line
Approx. weight ²	: 18.3 kg
Moment of inertia (J)	: 0.0054 kgm ²
Output [HP]	3
Poles	2
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	7.18/3.59
L. R. Amperes [A]	57.4/28.7
LRC [A]	8.0x(Code J)
No load current [A]	2.60/1.30
Rated speed [RPM]	3480
Slip [%]	3.33
Rated torque [kgfm]	0.626
Locked rotor torque [%]	229
Breakdown torque [%]	300
Service factor	1.00
Temperature rise	80 K
Locked rotor time	16s (cold) 9s (hot)
Noise level ²	62.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS
Sealing	: Without Bearing Seal Without Bearing Seal
Lubrication interval	: -
Lubricant amount	: -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 52 kgf Max. compression : 71 kgf
Notes USABLE @208V 7.94A SF 1.00 SFA 7.94A	
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
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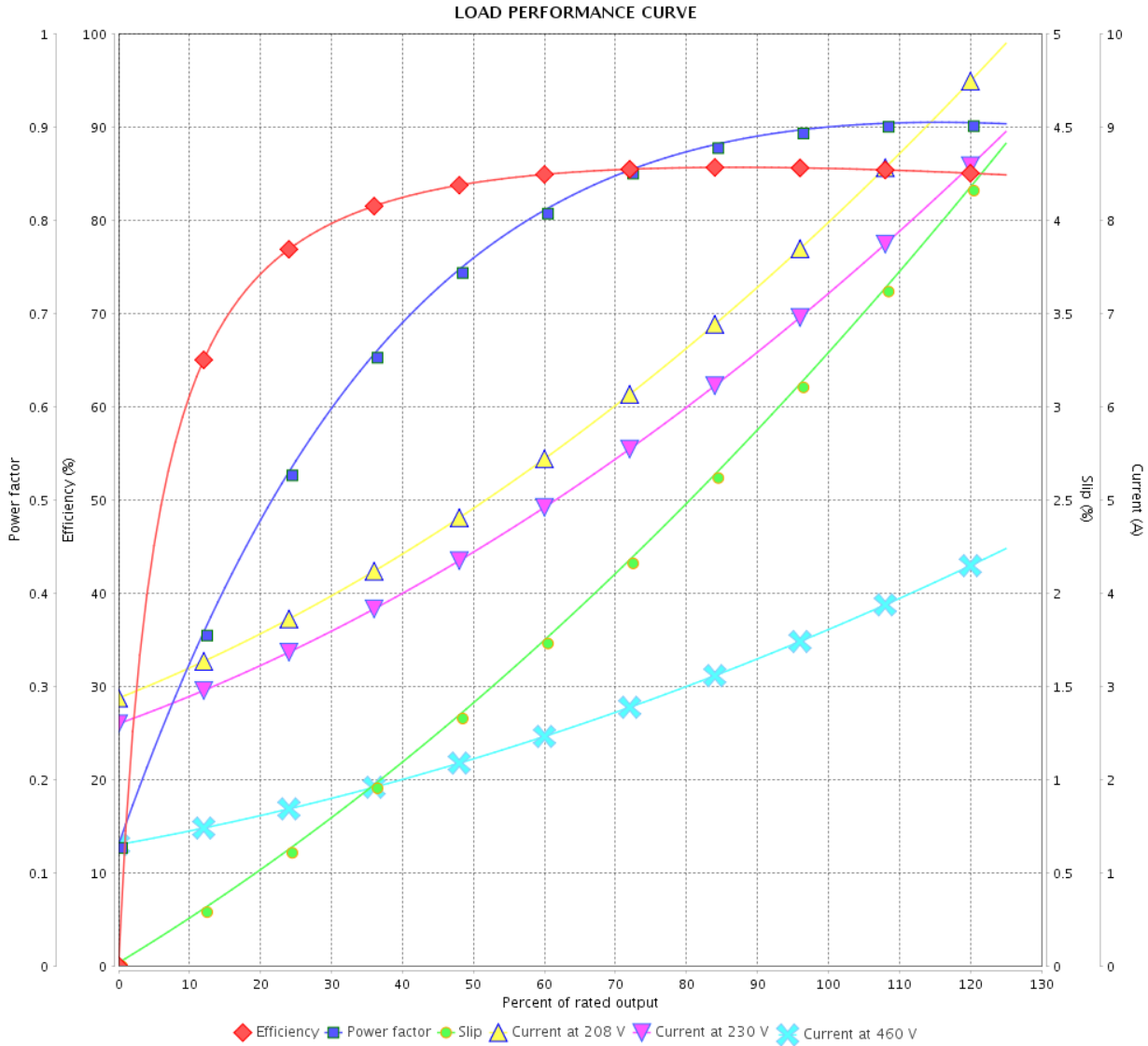
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13961579



Performance : 230/460 V 60 Hz 2P

Rated current : 7.18/3.59 A
 LRC : 8.0
 Rated torque : 0.626 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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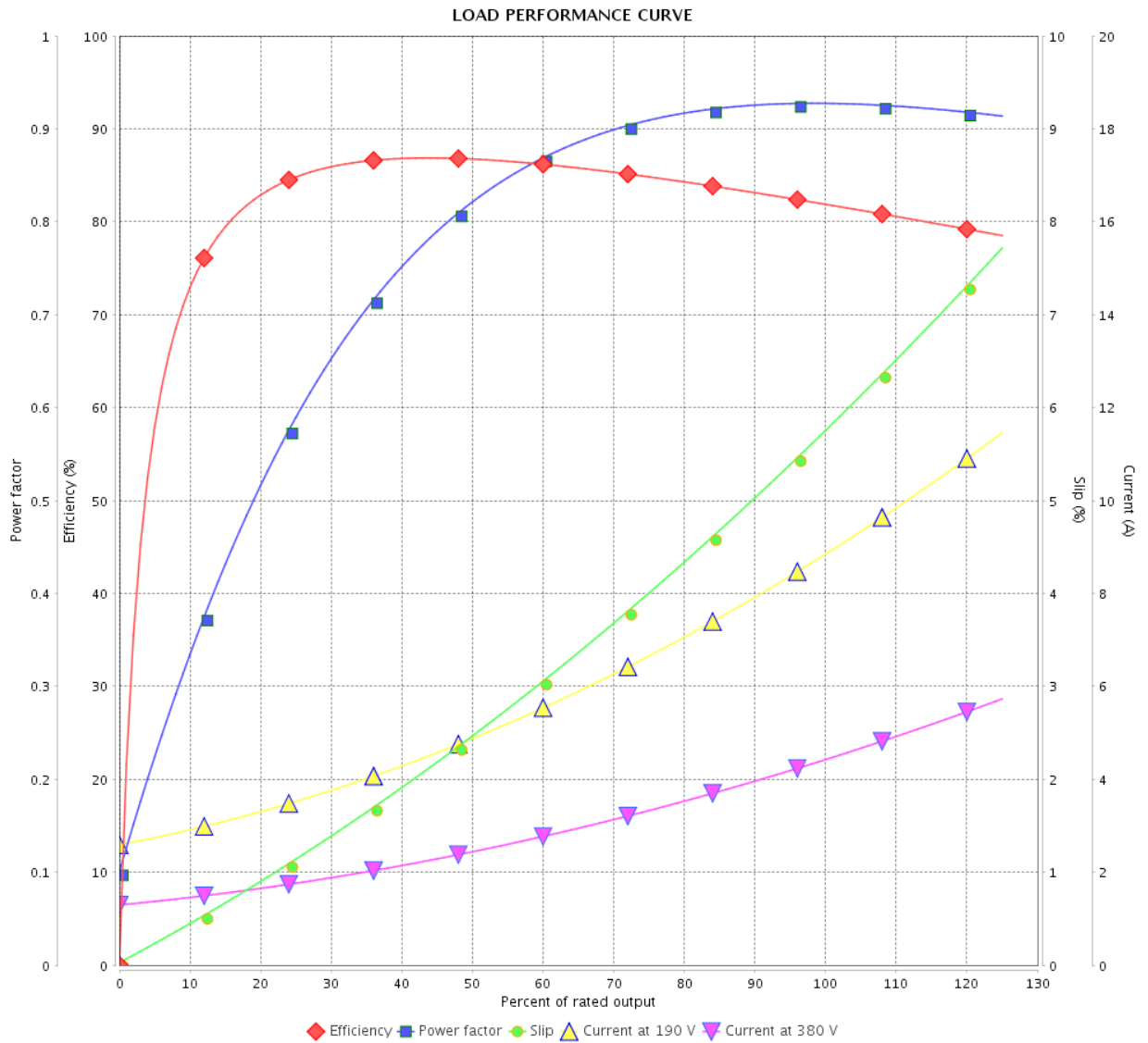
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - J type Three-Phase Product code : 13961579



Performance : 190/380 V 50 Hz 2P

Rated current : 8.78/4.39 A
 LRC : 6.1
 Rated torque : 0.771 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 229 %
 Rated speed : 2825 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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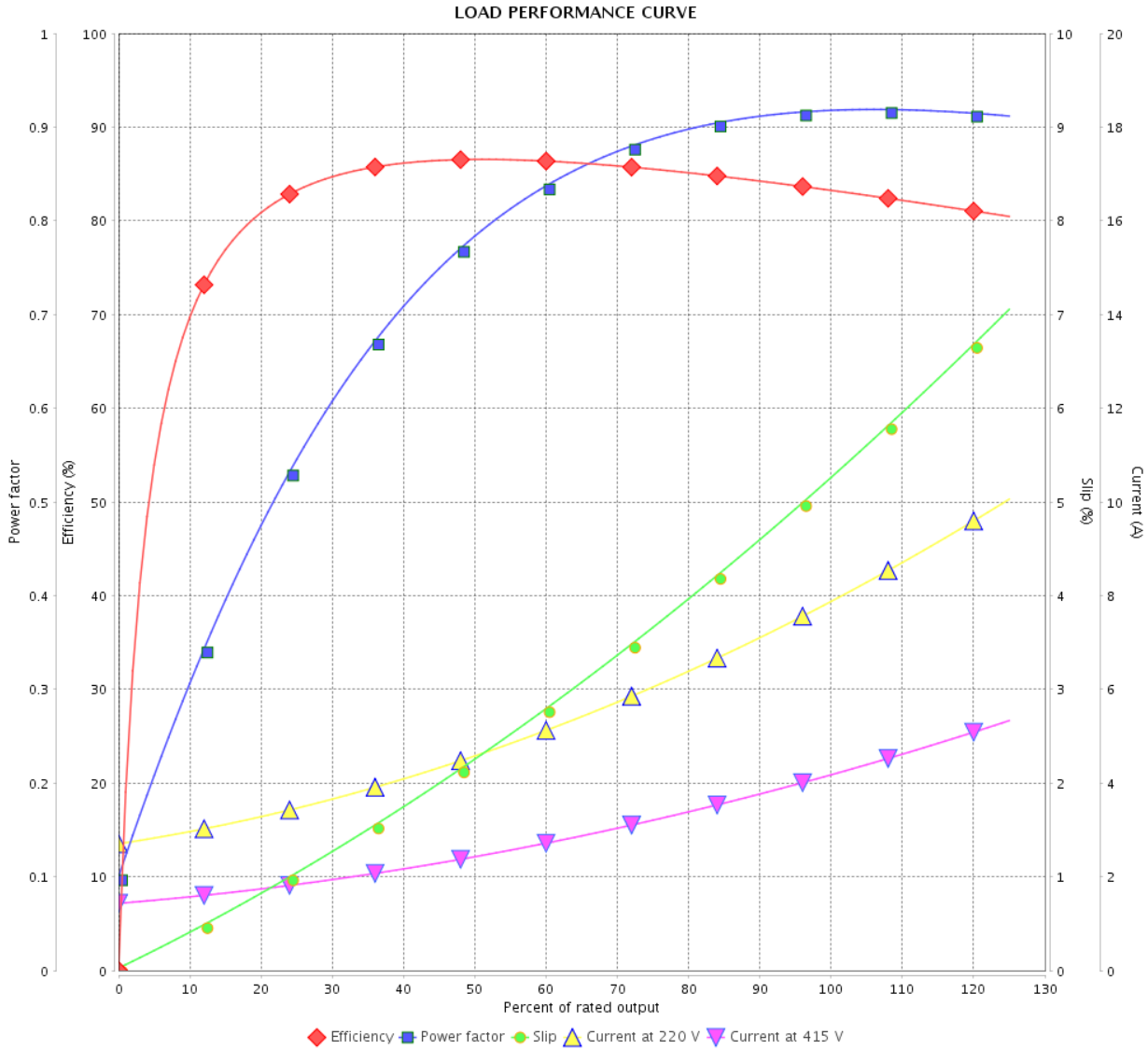
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - J type Three-Phase Product code : 13961579



Performance : 220/415 V 50 Hz 2P

Rated current : 7.83/4.15 A
 LRC : 6.8
 Rated torque : 0.767 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 2840 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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