DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type Premium Efficiency Three-Phase

Product code : 14317336

Frame	: W56J	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 10.8 kg
Design	: A	Moment of inertia (J)	: 0.0014 kgm²

Output [HP]		1.5	1.5	1.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		4.22/2.11	4.82-4.16/2.41	2.37
L. R. Amperes [A]		37.1/18.6	38.1-32.9/19.0	21.1
LRC [A]		8.8x(Code L)	7.9x(Code K)	8.9x(Code M)
No load current [A]		2.40/1.20	2.40-2.07/1.20	1.50
Rated speed [RPM]		3450	2815	2850
Slip [%]		4.17	6.17	5.00
Rated torque [kgfm]		0	0	0
Locked rotor torque [%]		400	390	480
Breakdown torque [%]		430	310	380
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		23s (cold) 13s (hot)	18s (cold) 10s (hot)	16s (cold) 9s (hot)
Noise level[2]		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%			
	50%	78.5	80.0	77.0
	75%	82.5	81.0	80.0
	100%	84.0	82.7	82.7
Power Factor	25%			
	50%	0.59	0.65	0.53
	75%	0.72	0.77	0.69
	100%	0.78	0.84	0.78

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 41 kgf
Max. compression : 52 kgf

Notes
USABLE @208V 4.67A SF 1.00 SFA 4.67A

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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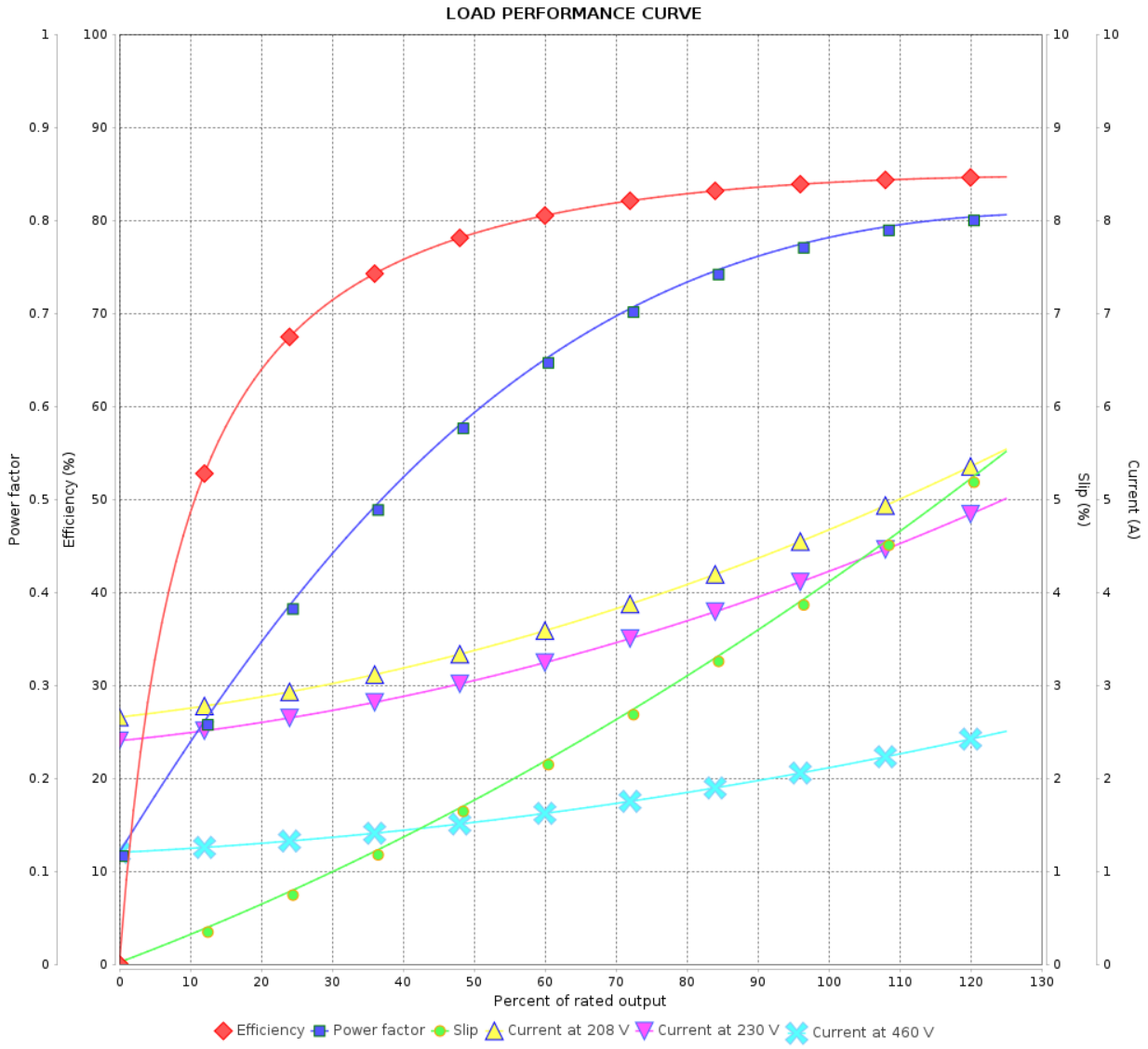
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type
Premium Efficiency Three-Phase

Product code : 14317336



Performance	: 230/460 V 60 Hz 2P		
Rated current	: 4.22/2.11 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	:
Breakdown torque	: 430 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

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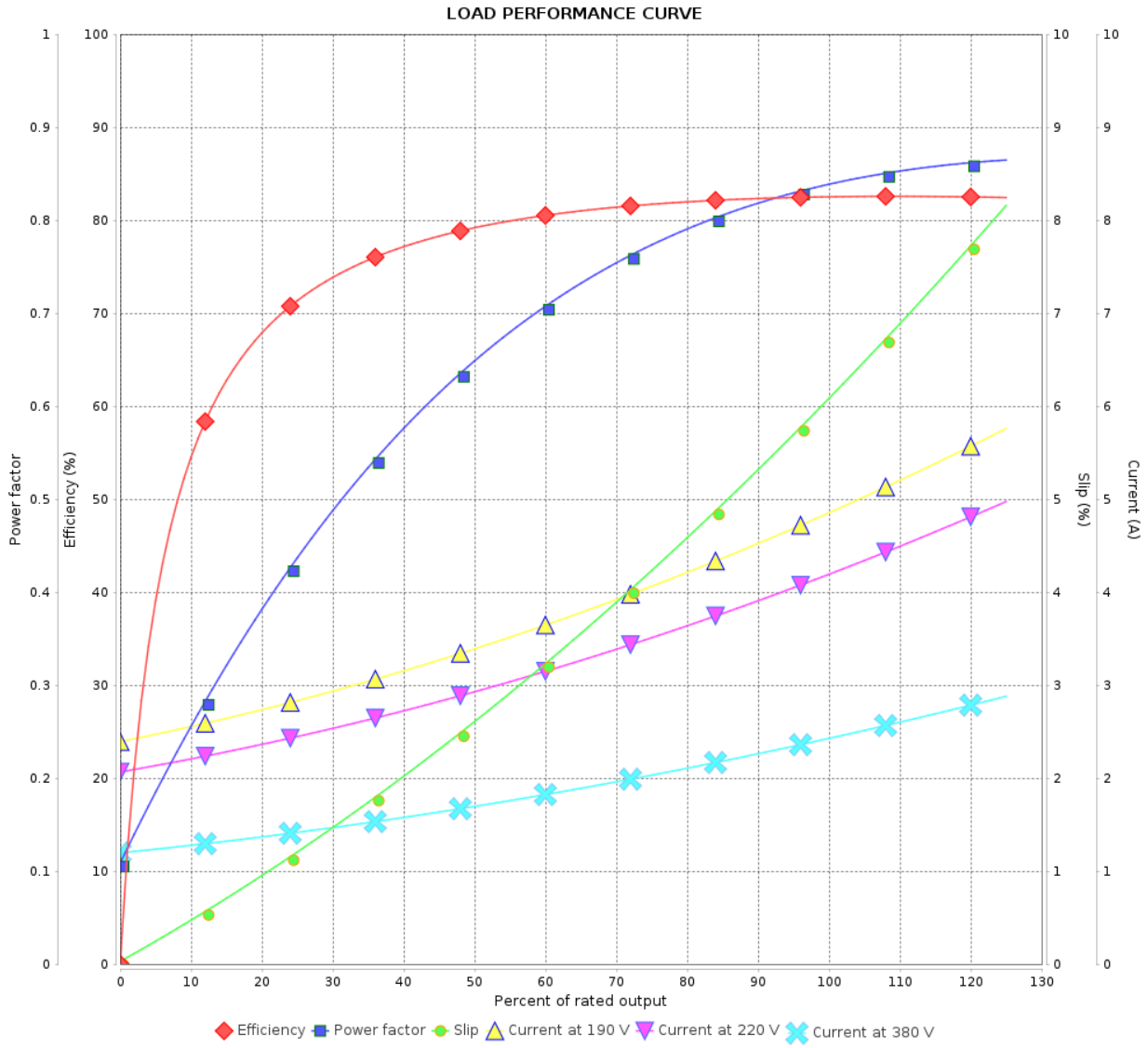
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type
Premium Efficiency Three-Phase

Product code : 14317336



Performance	: 190-220/380 V 50 Hz 2P		
Rated current	: 4.82-4.16/2.41 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 7.9	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 390 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2815 rpm	Design	: A

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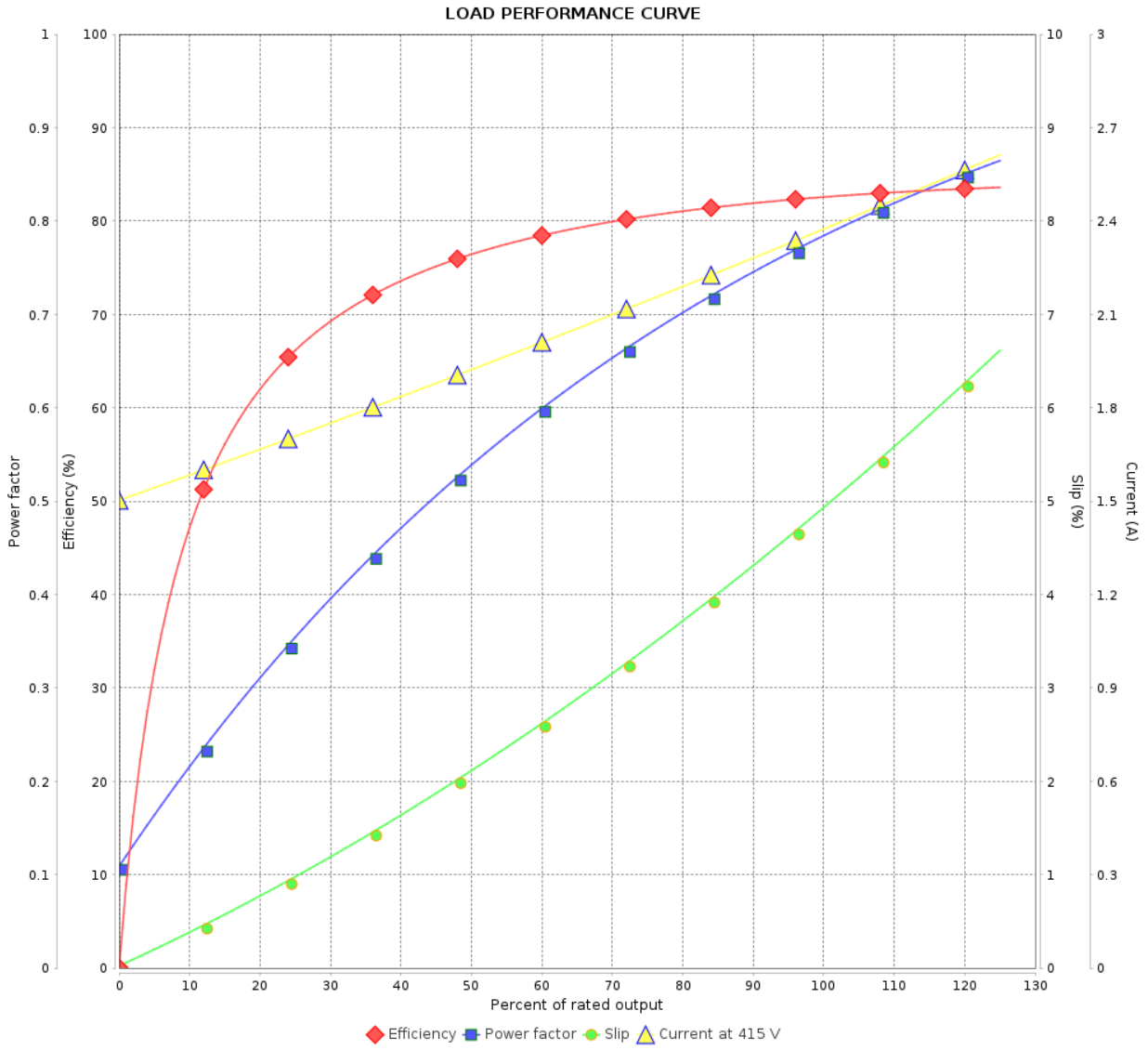
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type
Premium Efficiency Three-Phase

Product code : 14317336



Performance	: 415 V 50 Hz 2P		
Rated current	: 2.37 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 8.9	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 480 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 2850 rpm	Design	: A

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