DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Premium Efficiency Three-Phase	Product code :	13910561

Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm²

Output [HP]		0.33	0.33	0.33
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190-220/380	415
Rated current [A]		1.30-1.15/0.573	1.29-1.12/0.646	0.624
L. R. Amperes [A]		9.27-8.14/4.07	7.24-6.25/3.62	3.93
LRC [A]		7.1x(Code L)	5.6x(Code J)	6.3x(Code K)
No load current [A]		0.610-0.708/0.354	0.692-0.598/0.346	0.398
Rated speed [RPM]		3450	2800	2830
Slip [%]		4.17	6.67	5.67
Rated torque [kgfm]		0	0	0
Locked rotor torque [%]		320	240	290
Breakdown torque [%]		370	260	310
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		50s (cold) 28s (hot)	50s (cold) 28s (hot)	43s (cold) 24s (hot)
Noise level²		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%			
	50%	59.5	65.8	64.3
	75%	66.0	70.6	70.2
	100%	72.0	71.7	72.4
Power Factor	25%			
	50%	0.61	0.66	0.58
	75%	0.71	0.77	0.70
	100%	0.76	0.82	0.77

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 4 kgf
Max. compression : 12 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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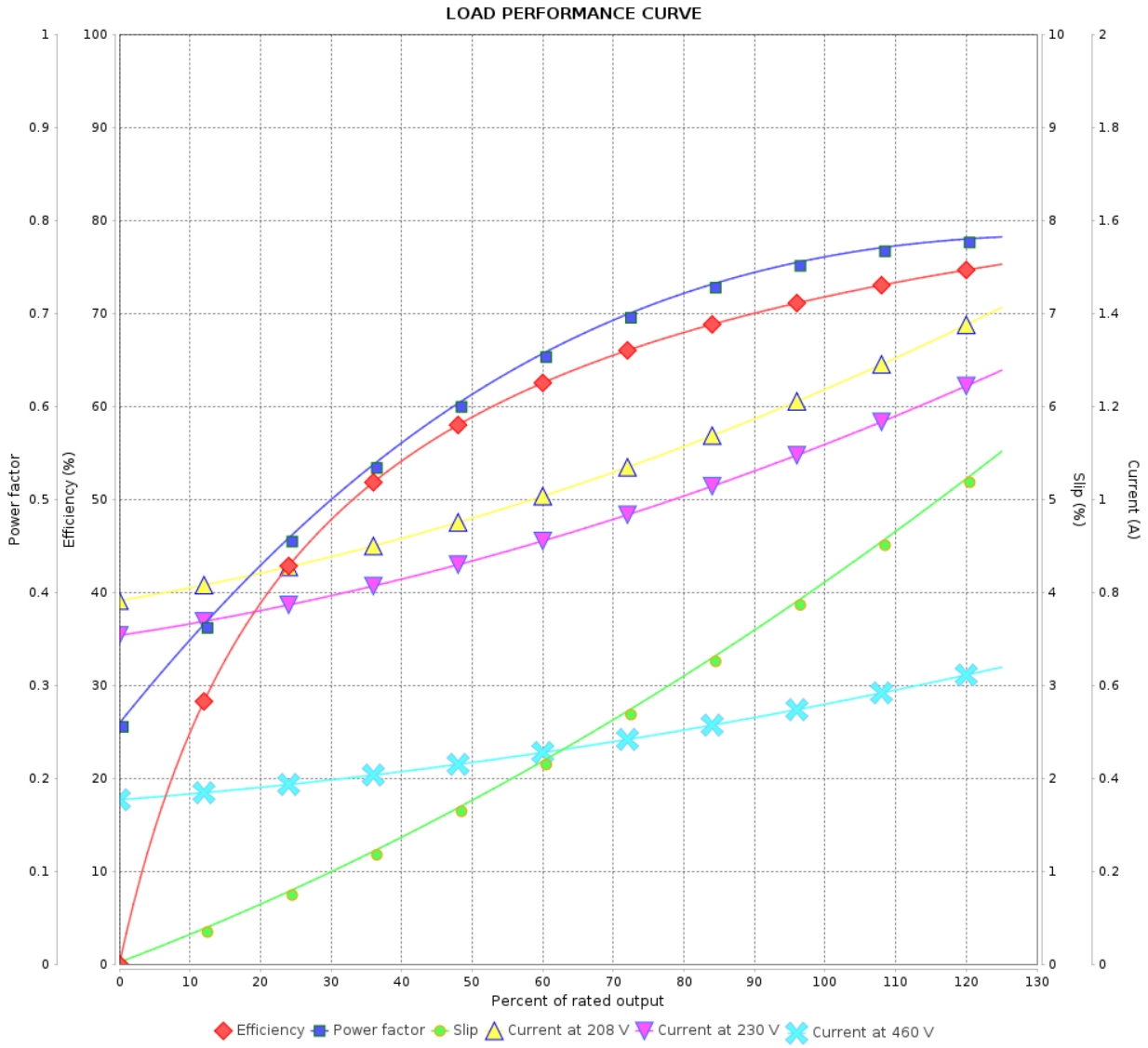
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13910561



Performance	: 208-230/460 V 60 Hz 2P		
Rated current	: 1.30-1.15/0.573 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	:
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

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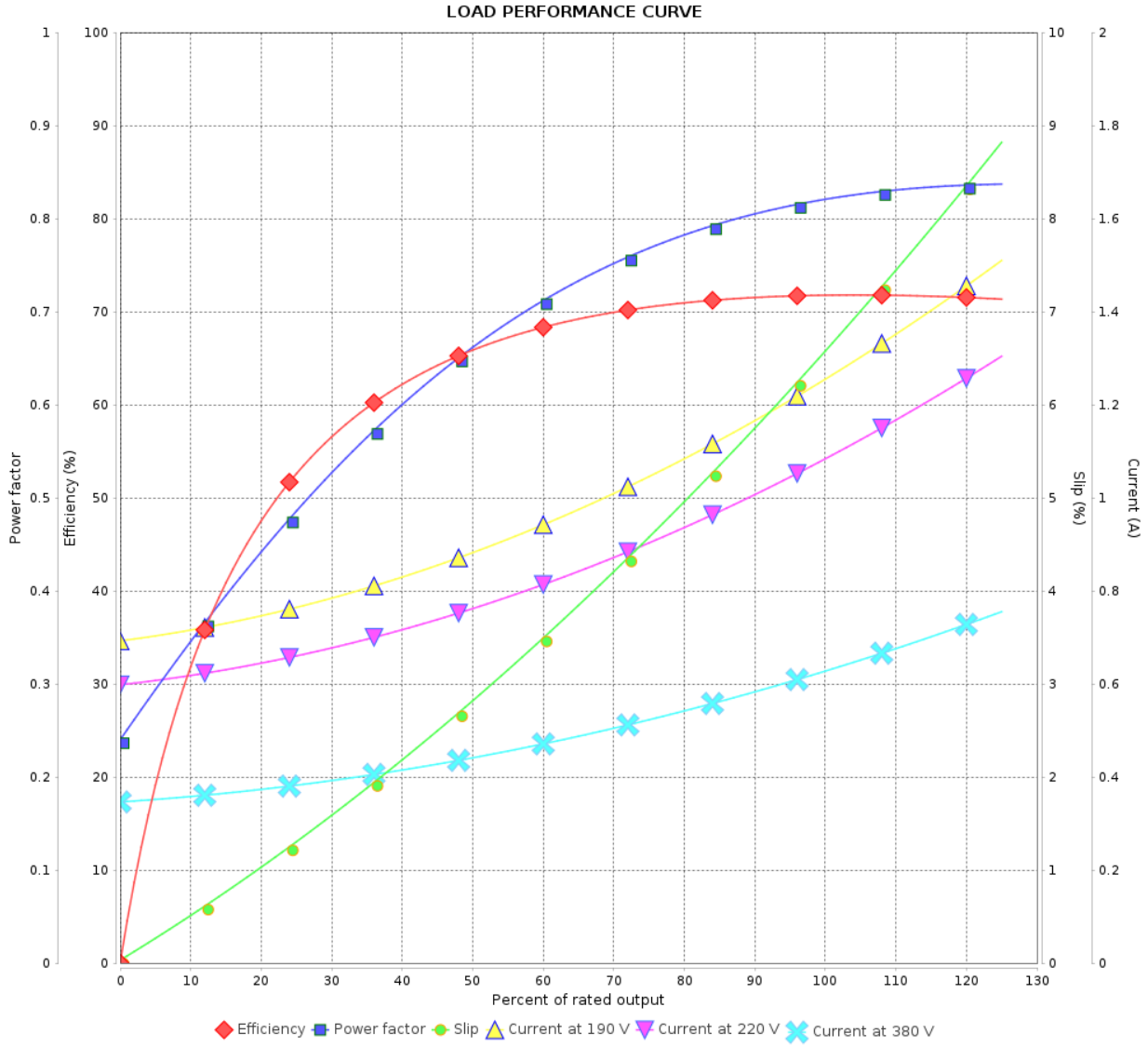
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Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Rolled Steel Premium Efficiency Three-Phase
Product code :	13910561



Performance	: 190-220/380 V 50 Hz 2P		
Rated current	: 1.29-1.12/0.646 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 2800 rpm		

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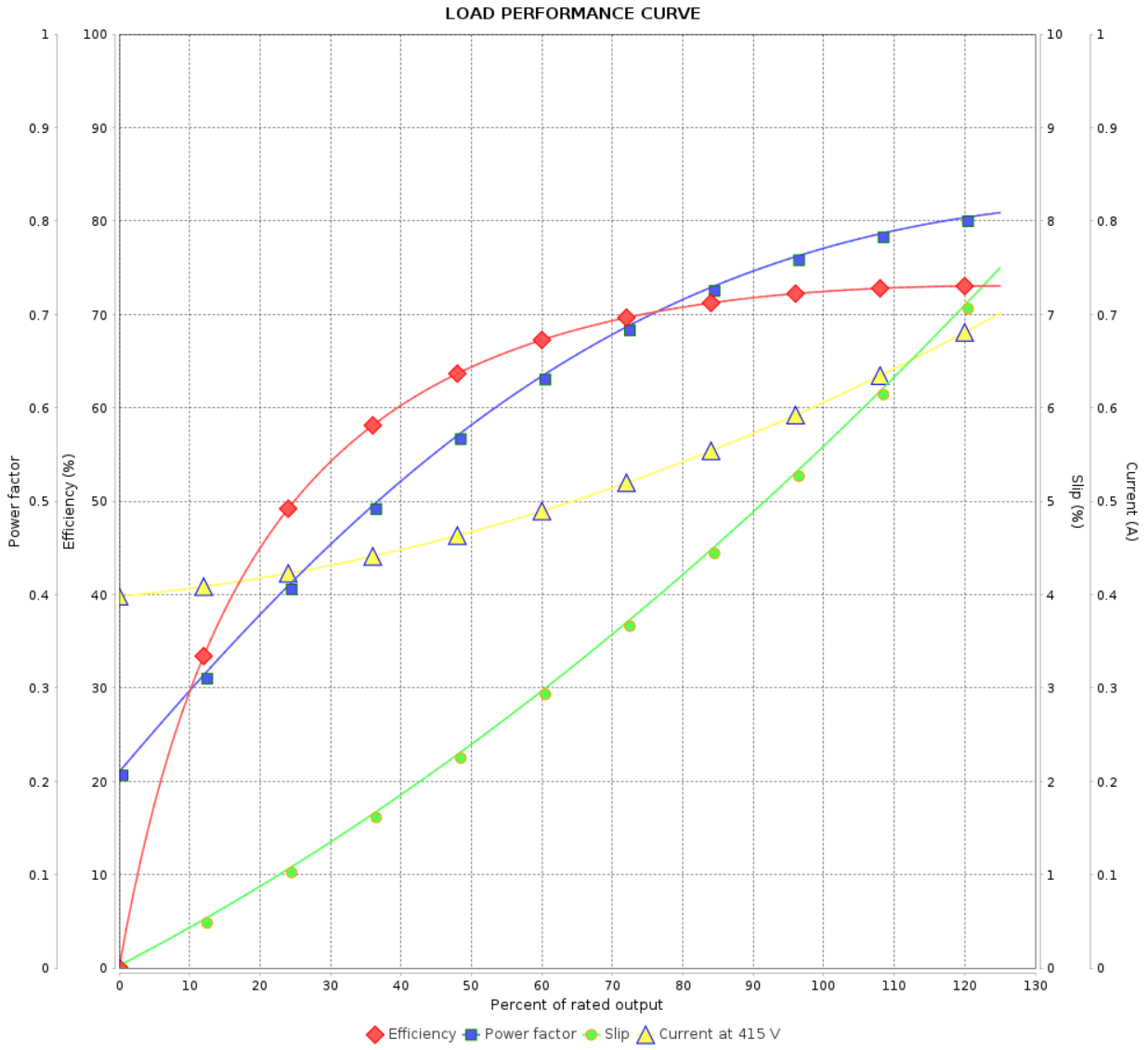
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13910561



Performance	: 415 V 50 Hz 2P		
Rated current	: 0.624 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2830 rpm		

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