DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12674692

Frame	: 213/5TC	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 52.9 kg
Design	: B	Moment of inertia (J)	: 0.0196 kgm²

Output [HP]		10	7.5	7.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		24.8/12.4	22.6-19.5/11.3	11.2
L. R. Amperes [A]		169/84.3	158-137/79.1	87.4
LRC [A]		6.8x(Code H)	7.0x(Code H)	7.8x(Code K)
No load current [A]		11.2/5.60	10.8-9.33/5.40	7.00
Rated speed [RPM]		3535	2940	2950
Slip [%]		1.81	2.00	1.67
Rated torque [kgfm]		2	1	1
Locked rotor torque [%]		200	229	280
Breakdown torque [%]		280	300	370
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		39s (cold) 22s (hot)	46s (cold) 26s (hot)	37s (cold) 21s (hot)
Noise level[2]		66.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%			
	50%	88.5	89.0	87.0
	75%	89.5	89.2	88.9
	100%	89.5	89.2	89.5
Power Factor	25%			
	50%	0.68	0.65	0.54
	75%	0.80	0.78	0.68
	100%	0.85	0.83	0.76

		Drive end	Non drive end
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 100 kgf
Max. compression : 152 kgf

Notes
USABLE @208V 26.5A SF 1.00 SFA 26.5A

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.

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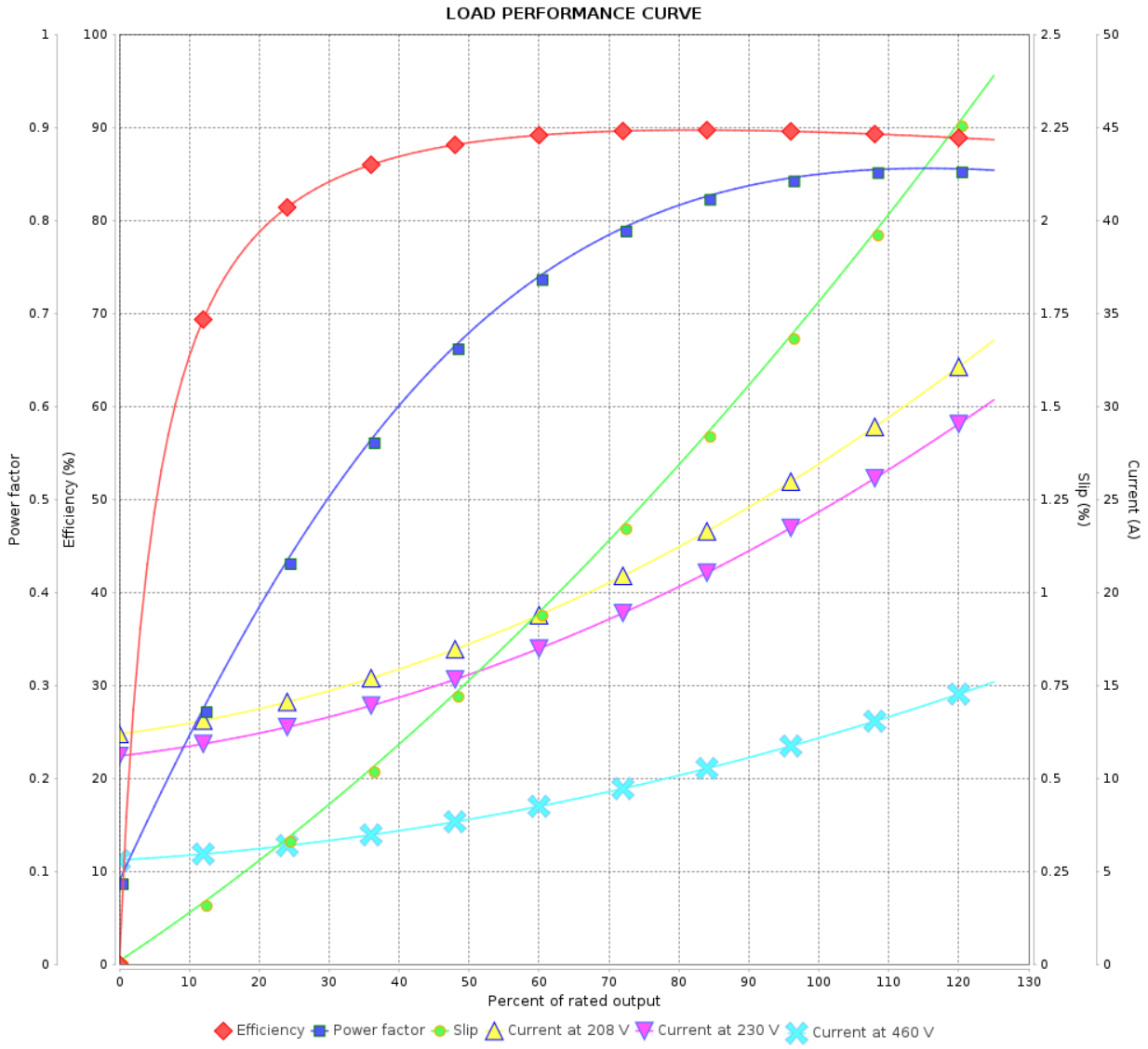
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12674692



Performance	: 230/460 V 60 Hz 2P		
Rated current	: 24.8/12.4 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 2 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

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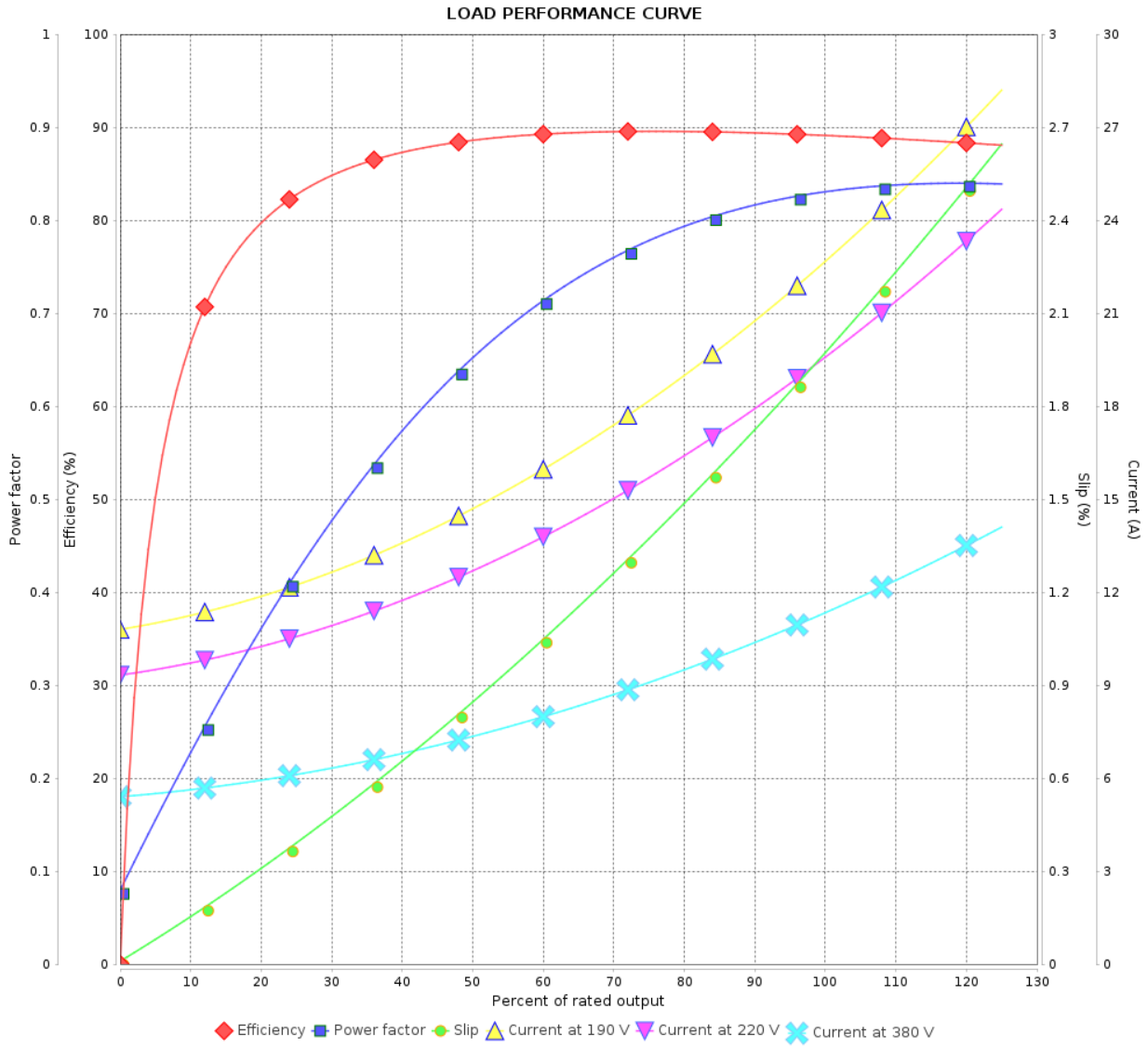
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12674692



Performance	: 190-220/380 V 50 Hz 2P		
Rated current	: 22.6-19.5/11.3 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

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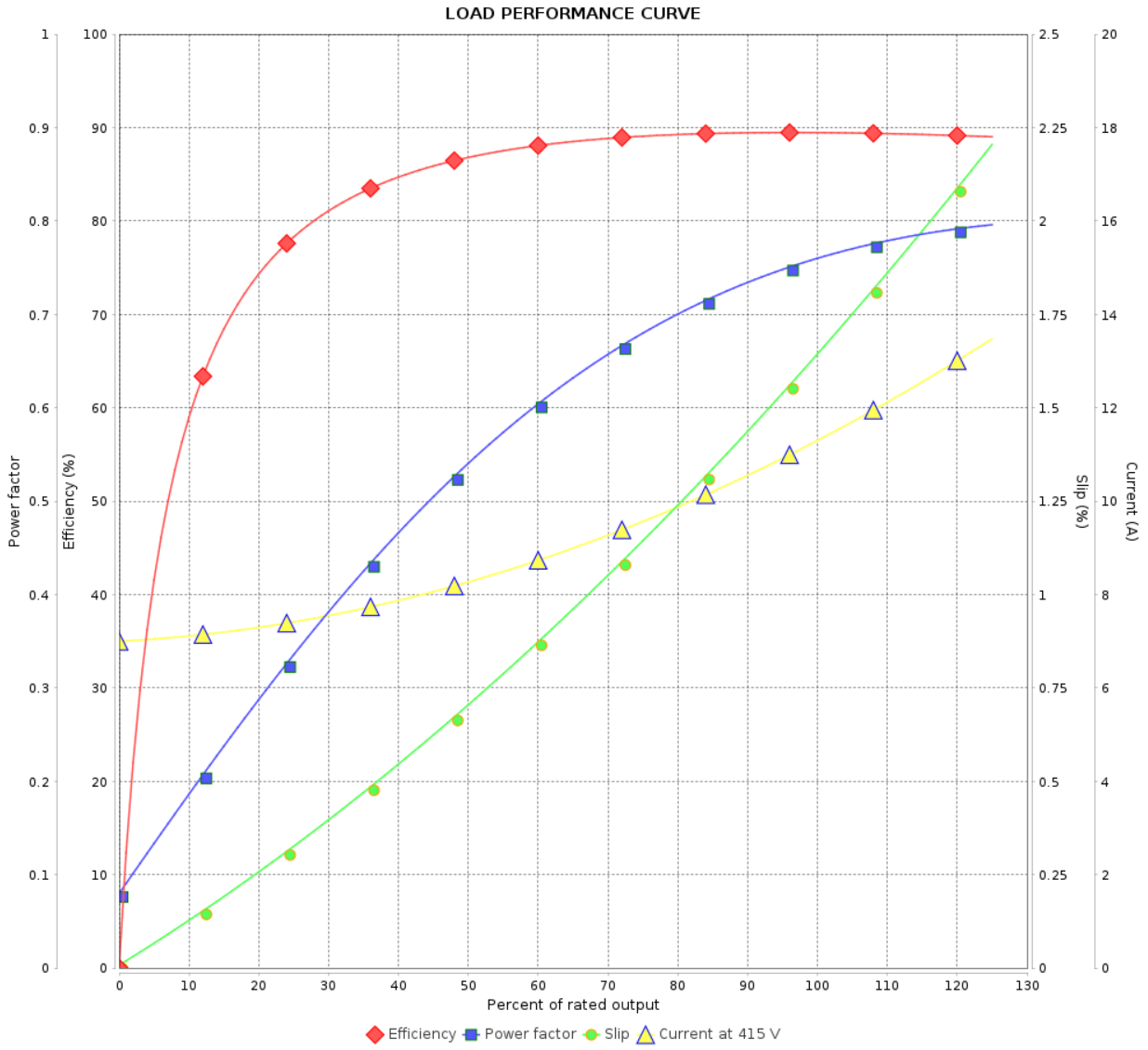
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Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12674692



Performance	: 415 V 50 Hz 2P

Rated current	: 11.2 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 7.8	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 2950 rpm	Design	: B

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