DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12751147

Frame	: 182/4TC	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]	: 31.7 kg
Design	: B	Moment of inertia (J)	: 0.0077 kgm²

Output [HP]		7.5	5.5	5.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		17.9/8.97	16.0-13.9/8.02	7.90
L. R. Amperes [A]		133/66.4	128-111/64.2	71.1
LRC [A]		7.4x(Code H)	8.0x(Code J)	9.0x(Code L)
No load current [A]		7.80/3.90	7.60-6.56/3.80	4.80
Rated speed [RPM]		3500	2915	2930
Slip [%]		2.78	2.83	2.33
Rated torque [kgfm]		1	1	1
Locked rotor torque [%]		200	210	250
Breakdown torque [%]		300	320	400
Service factor		1.15	1.00	1.00
Temperature rise		80 K	80 K	80 K
Locked rotor time		19s (cold) 11s (hot)	19s (cold) 11s (hot)	18s (cold) 10s (hot)
Noise level[2]		65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%			
	50%	88.5	87.0	86.0
	75%	88.5	87.9	87.4
	100%	88.5	88.1	88.1
Power Factor	25%			
	50%	0.72	0.68	0.60
	75%	0.82	0.80	0.71
	100%	0.87	0.86	0.80

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 98 kgf
Max. compression : 130 kgf

Notes
USABLE @208V 19.2A SF 1.00 SFA 19.2A

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	Checked	Date

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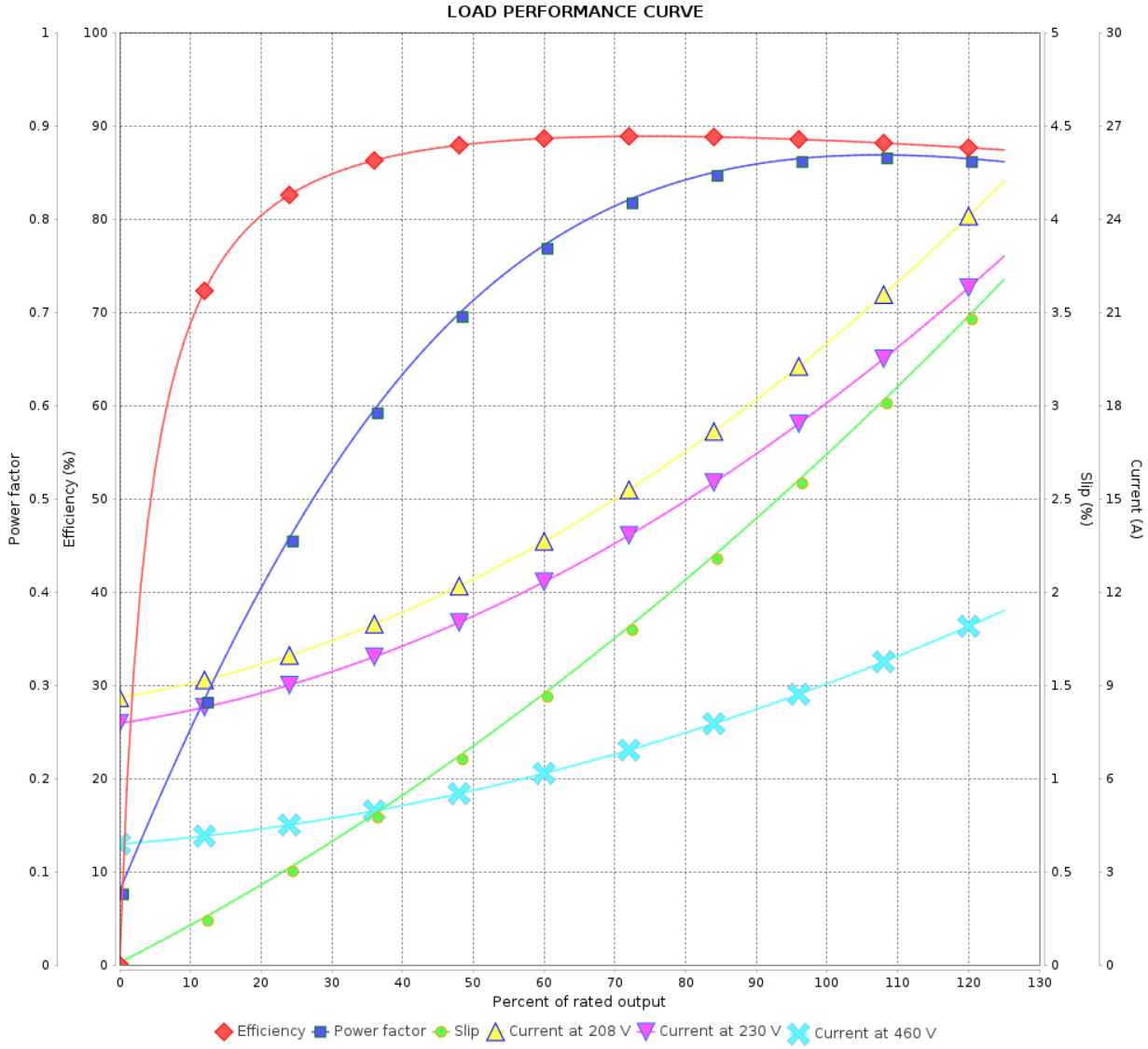
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12751147



Performance	: 230/460 V 60 Hz 2P		
Rated current	: 17.9/8.97 A	Moment of inertia (J)	: 0.0077 kgm²
LRC	: 7.4	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

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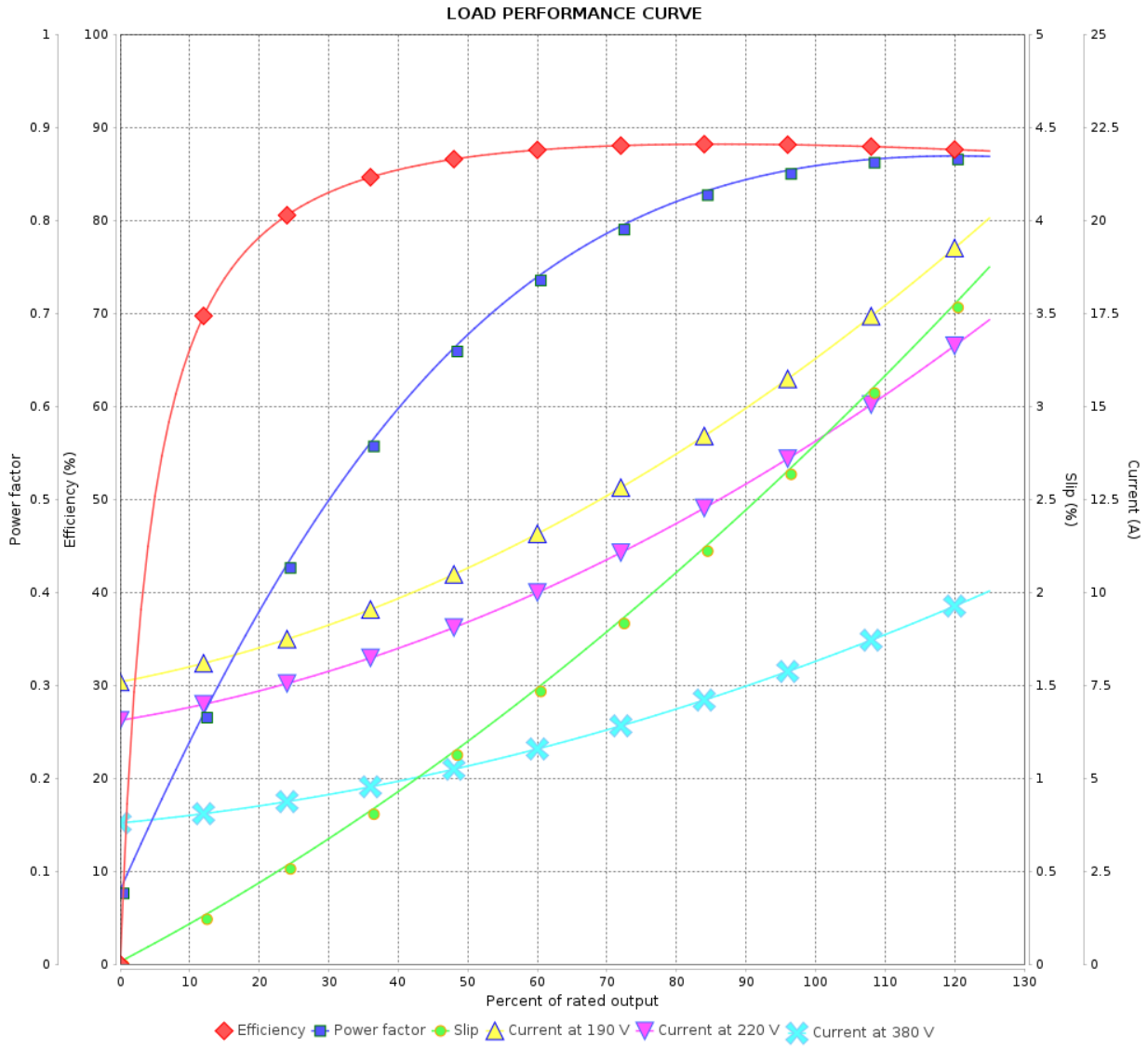
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Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase
Product code :	12751147



Performance	: 190-220/380 V 50 Hz 2P		
Rated current	: 16.0-13.9/8.02 A	Moment of inertia (J)	: 0.0077 kgm²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.00
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 2915 rpm	Design	: B

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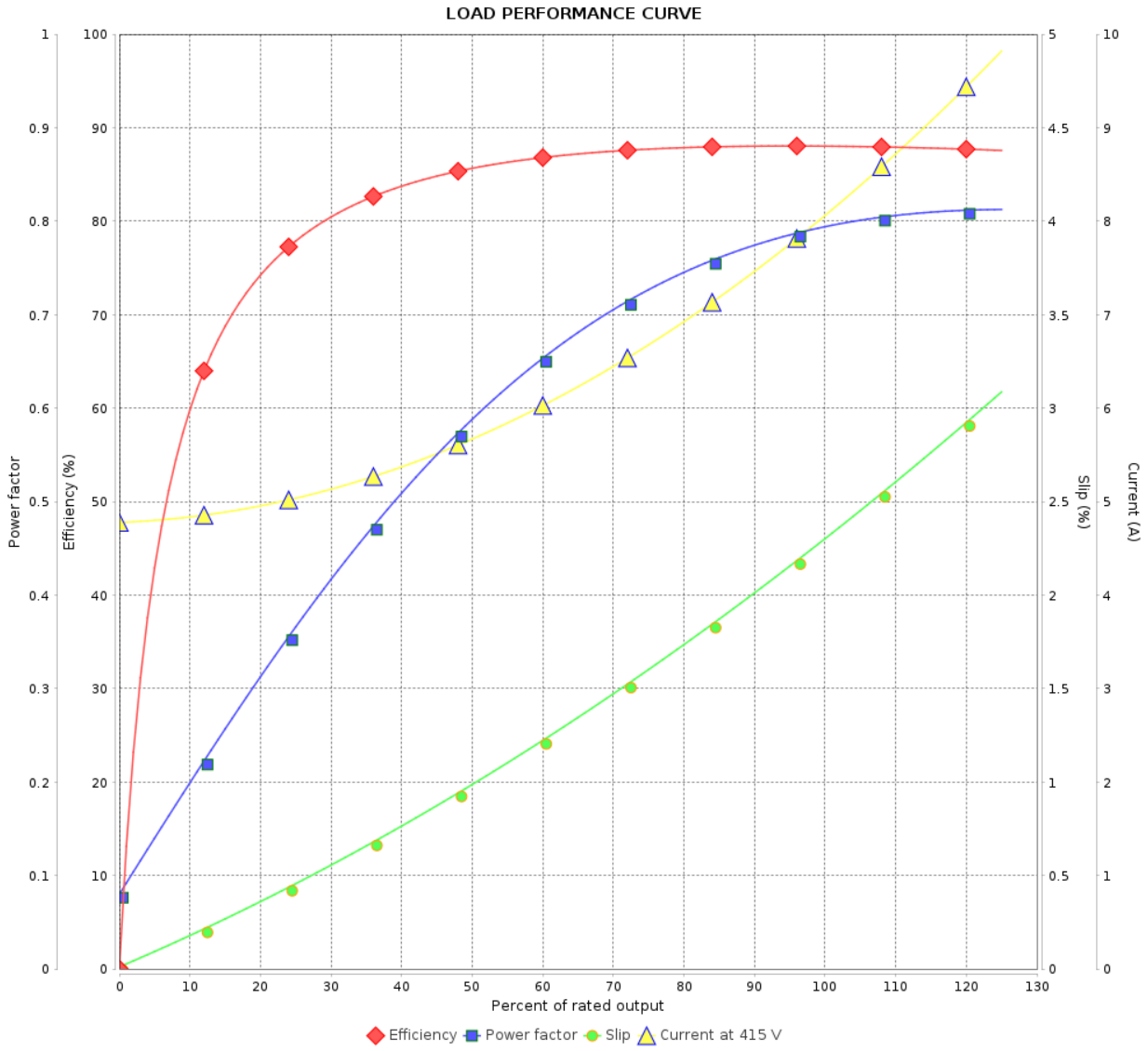
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Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12751147



Performance	: 415 V 50 Hz 2P		
Rated current	: 7.90 A	Moment of inertia (J)	: 0.0077 kgm²
LRC	: 9.0	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.00
Breakdown torque	: 400 %	Temperature rise	: 80 K
Rated speed	: 2930 rpm	Design	: B

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