

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13806213

Frame	: 56H	Cooling method	: IC411 - TEFC
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	: 13.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0056 kgm ²
Design	: A		

Output [HP]	0.75	0.75	0.75
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	2.96-2.68/1.34	2.98/1.49	2.77/1.47
L. R. Amperes [A]	17.2-15.5/7.77	13.4/6.71	14.1/7.50
LRC [A]	5.8x(Code K)	4.5x(Code G)	5.1x(Code J)
No load current [A]	1.67-1.94/0.971	1.91/0.955	2.06/1.09
Rated speed [RPM]	1155	935	945
Slip [%]	3.75	6.50	5.50
Rated torque [kgfm]	0.471	0.582	0.576
Locked rotor torque [%]	229	170	220
Breakdown torque [%]	300	210	250
Service factor		1.00	1.00
Temperature rise	80 K	105 K	105 K
Locked rotor time	37s (cold) 21s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	50.0 dB(A)	48.0 dB(A)	48.0 dB(A)
Efficiency (%)	25%		
	50%	70.0	67.3
	75%	74.0	72.2
	100%	75.5	73.3
Power Factor	25%		
	50%	0.46	0.48
	75%	0.59	0.61
	100%	0.68	0.71

	Drive end	Non drive end	Foundation loads
Bearing type	: 6203 ZZ	6202 ZZ	Max. traction : 39 kgf
Sealing	: V'Ring	V'Ring	Max. compression : 53 kgf
Lubrication interval	: -	-	
Lubricant amount	: -	-	
Lubricant type	: Mobil Polyrex EM		

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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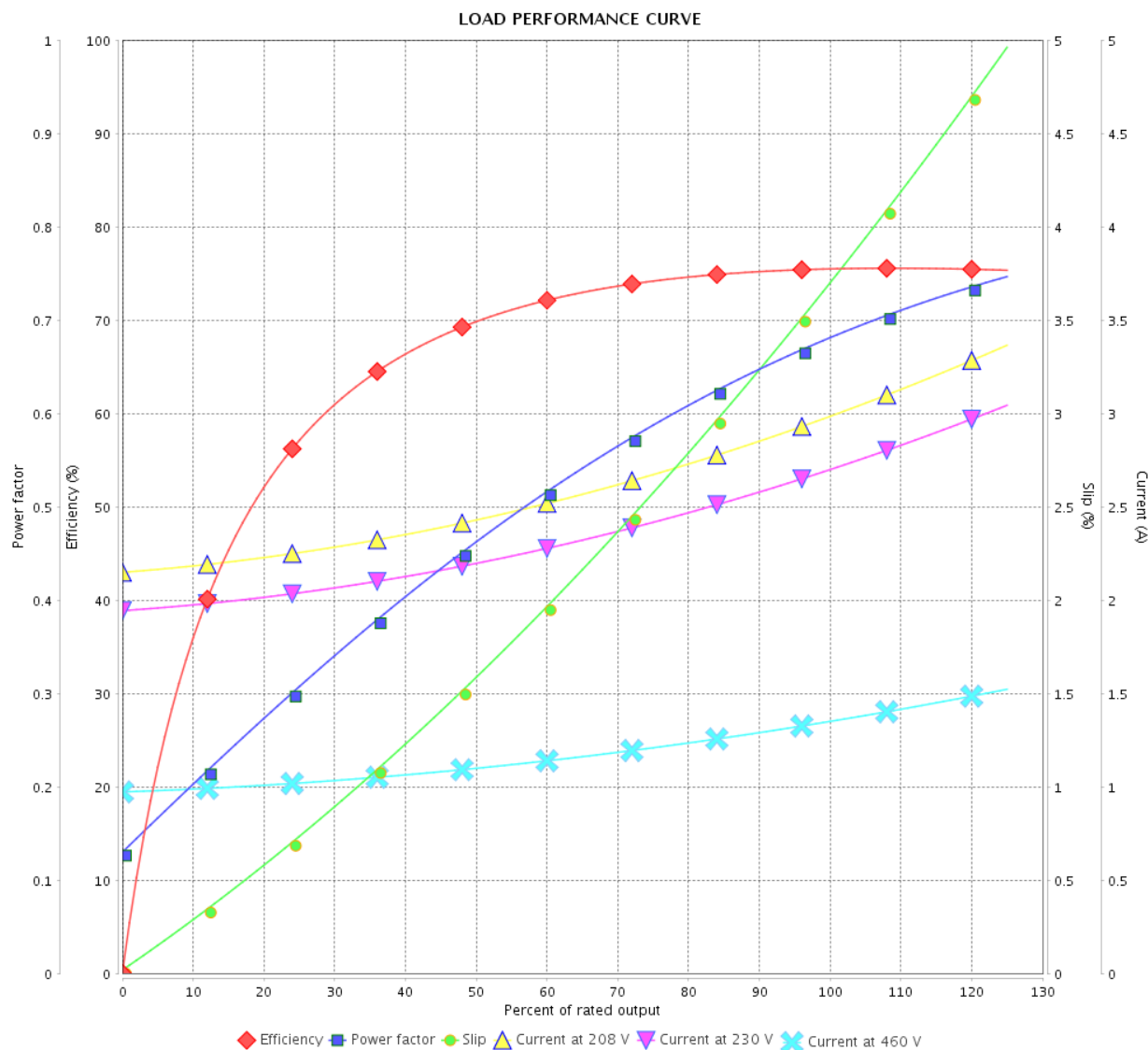
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13806213



Performance : 208-230/460 V 60 Hz 6P

Rated current : 2.96-2.68/1.34 A
 LRC : 5.8
 Rated torque : 0.471 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 1155 rpm

Moment of inertia (J) : 0.0056 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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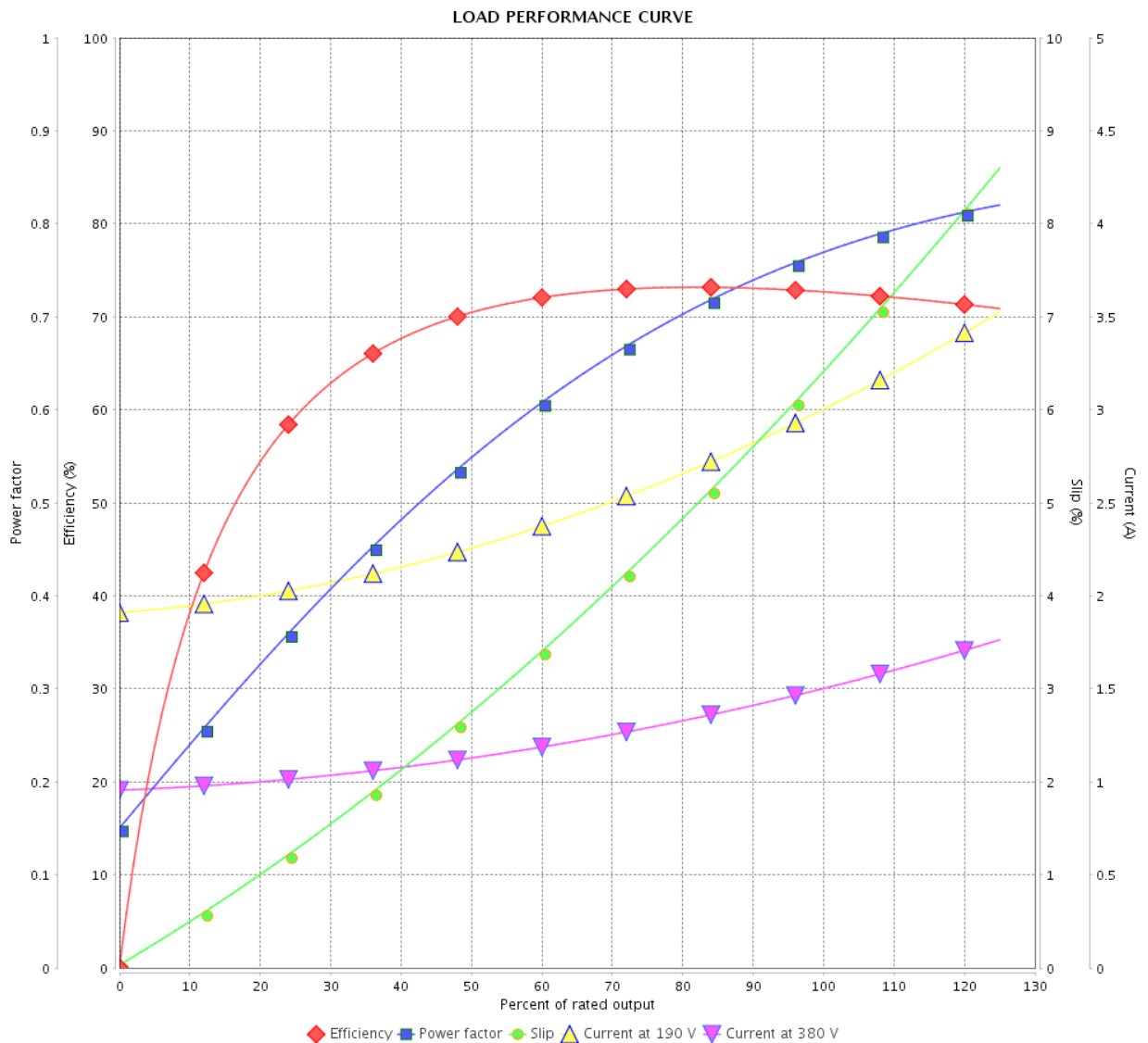
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13806213



Performance : 190/380 V 50 Hz 6P

Rated current : 2.98/1.49 A
 LRC : 4.5
 Rated torque : 0.582 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 210 %
 Rated speed : 935 rpm

Moment of inertia (J) : 0.0056 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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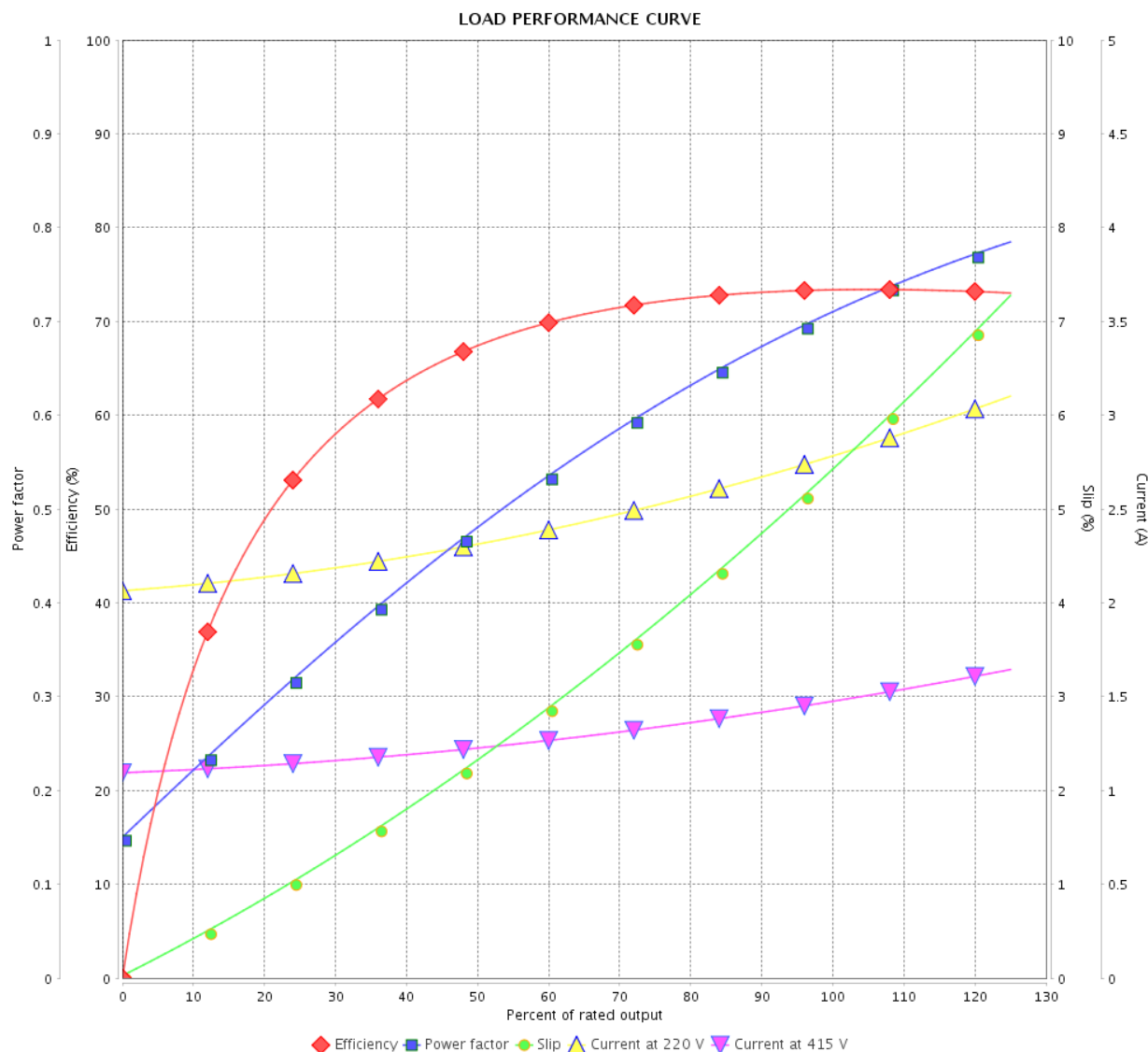
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13806213



Performance : 220/415 V 50 Hz 6P

Rated current : 2.77/1.47 A
 LRC : 5.1
 Rated torque : 0.576 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 945 rpm

Moment of inertia (J) : 0.0056 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : A

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