

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894836

Frame	: 56HC	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	: 14.1 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	13.6/7.20
LRC [A]	5.8x(Code K)	4.5x(Code G)	4.9x(Code H)
No load current [A]	1.67-1.94/0.971	1.91/0.955	1.94/1.03
Rated speed [RPM]	1155	935	940
Slip [%]	3.75	6.50	6.00
Rated torque [kgfm]	0.471	0.582	0.579
Locked rotor torque [%]	229	170	200
Breakdown torque [%]	300	210	229
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%	68.4	70.3
	50%	70.0	70.3
	75%	74.0	73.3
	100%	75.5	72.6
Power Factor	25%	0.26	0.31
	50%	0.46	0.55
	75%	0.59	0.68
	100%	0.68	0.77

Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring Without Bearing Seal	Max. traction	: 35 kgf
Lubrication interval	: - -	Max. compression	: 50 kgf
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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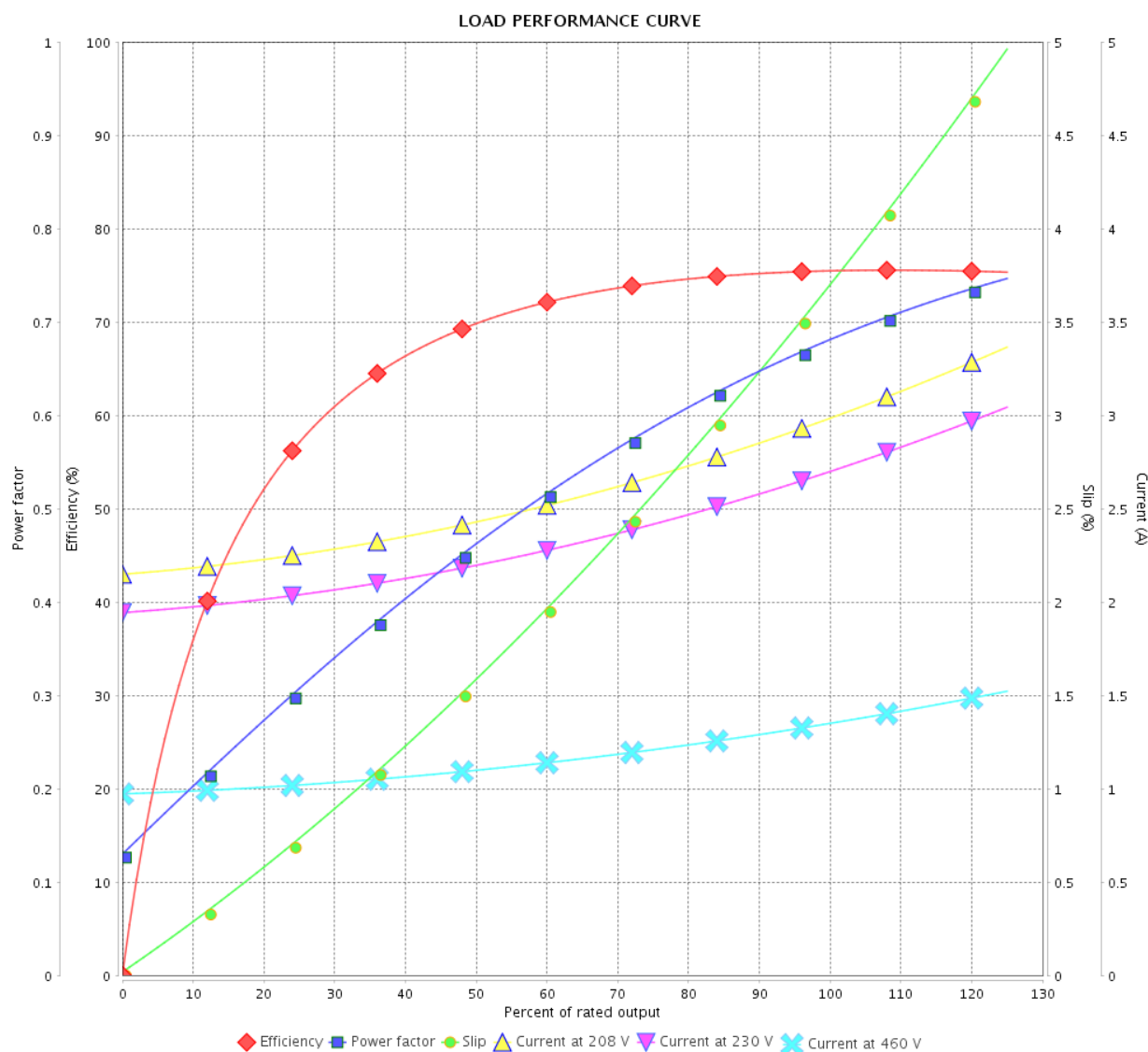
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894836



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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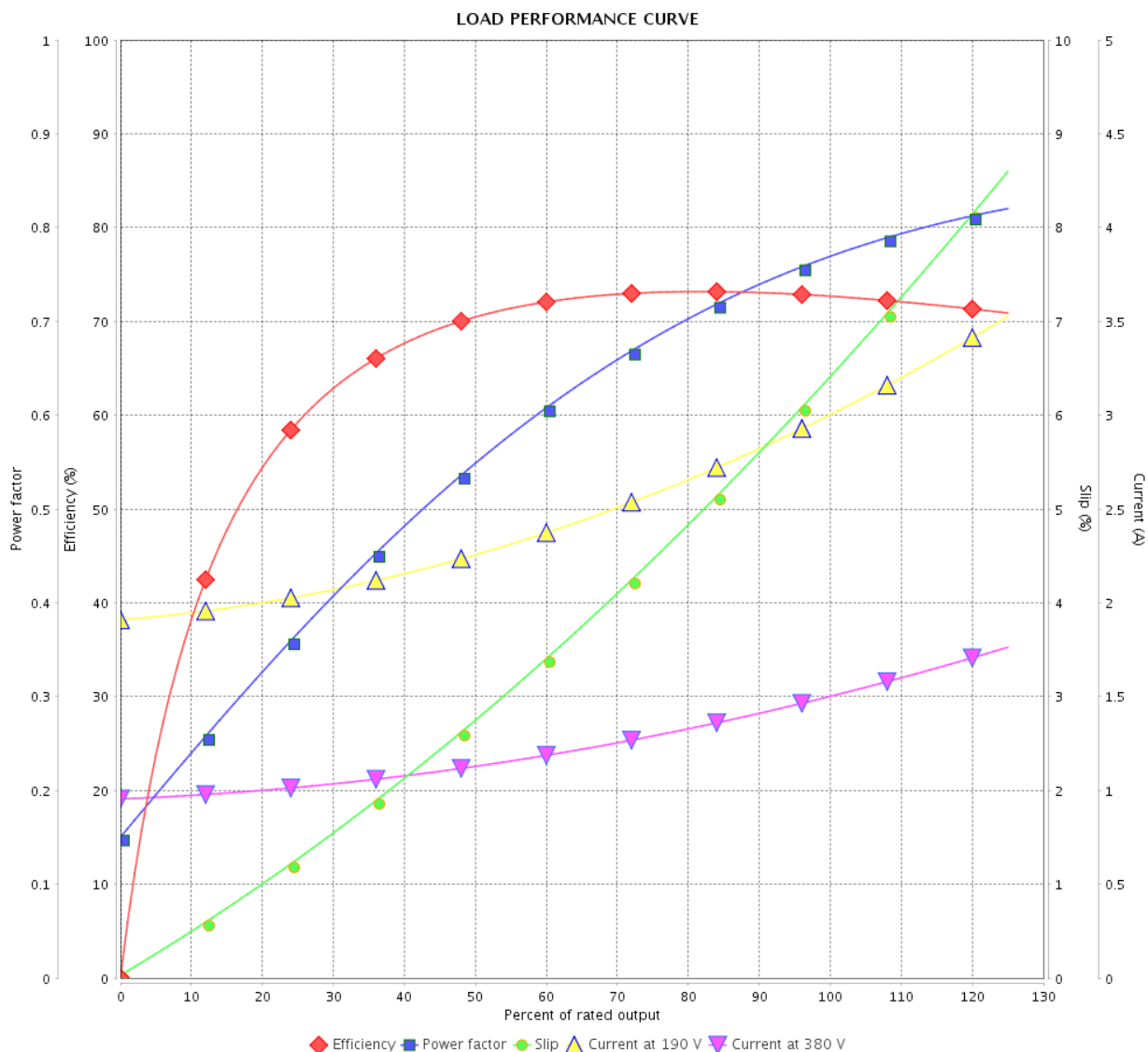
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894836



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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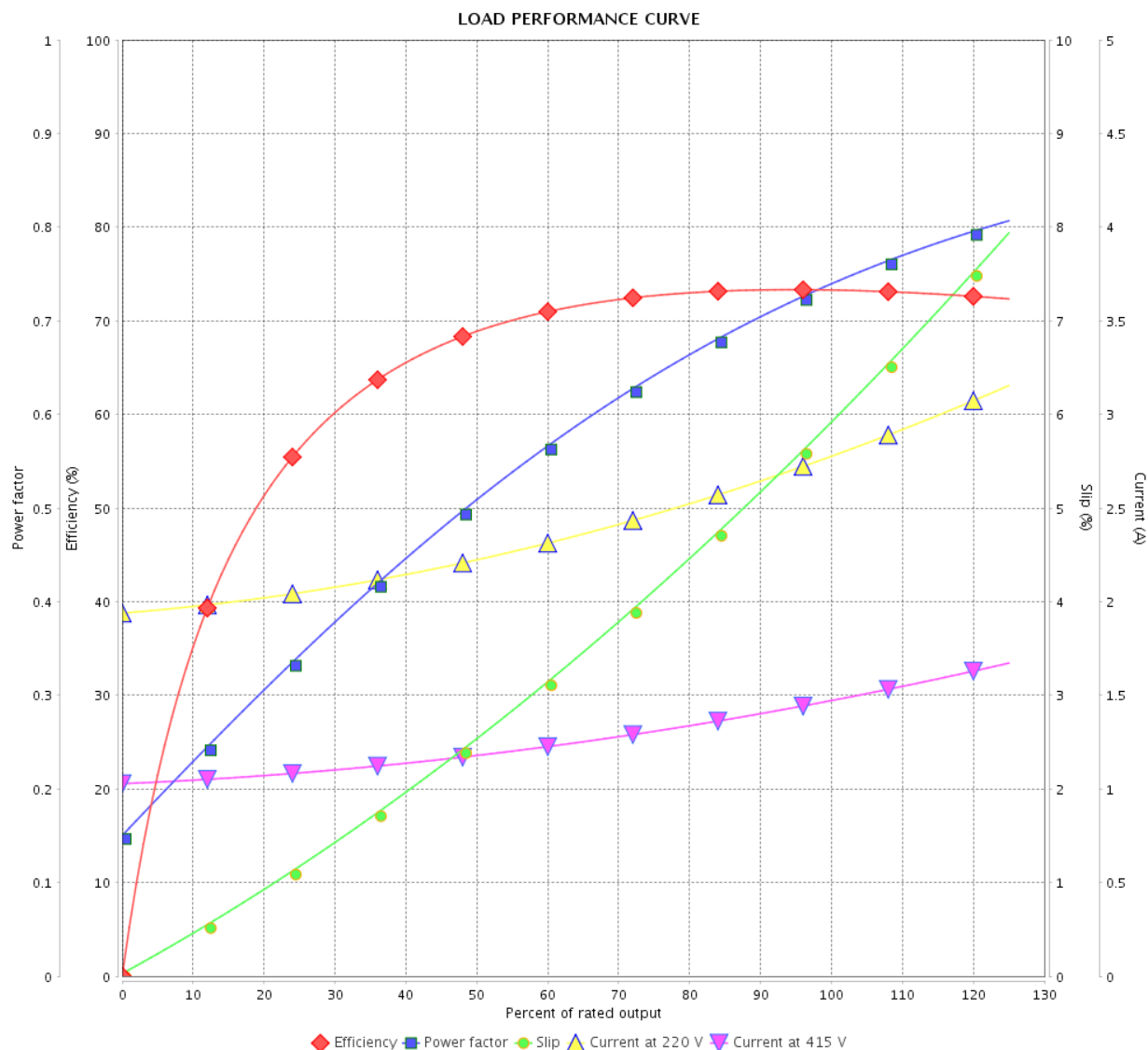
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894836



Performance : 220/415 V 50 Hz 6P

Rated current : 2.77/1.47 A
 LRC : 4.9
 Rated torque : 0.579 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Rated speed : 940 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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