

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12895578

Frame	: 56C	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	: 9.9 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0025 kgm ²

Output [HP]	0.5	0.5	0.5
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	1.91-1.72/0.862	1.90/0.950	1.80/0.952
L. R. Amperes [A]	13.3-12.1/6.03	11.0/5.51	11.1/5.90
LRC [A]	7.0x(Code L)	5.8x(Code J)	6.2x(Code K)
No load current [A]	1.03-1.20/0.600	1.24/0.618	1.29/0.683
Rated speed [RPM]	1760	1445	1455
Slip [%]	2.22	3.67	3.00
Rated torque [kgfm]	0.206	0.251	0.249
Locked rotor torque [%]	240	180	200
Breakdown torque [%]	300	250	290
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	36s (cold) 20s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%	65.4	69.5
	50%	68.0	70.7
	75%	74.0	75.0
	100%	77.0	75.9
Power Factor	25%	0.28	0.32
	50%	0.48	0.56
	75%	0.61	0.69
	100%	0.70	0.78

Bearing type	: Drive end	Non drive end	Foundation loads
	: 6203 ZZ	6202 ZZ	
Sealing	: V'Ring	Without	Max. traction : 18 kgf
		Bearing Seal	
Lubrication interval	: -	-	Max. compression : 28 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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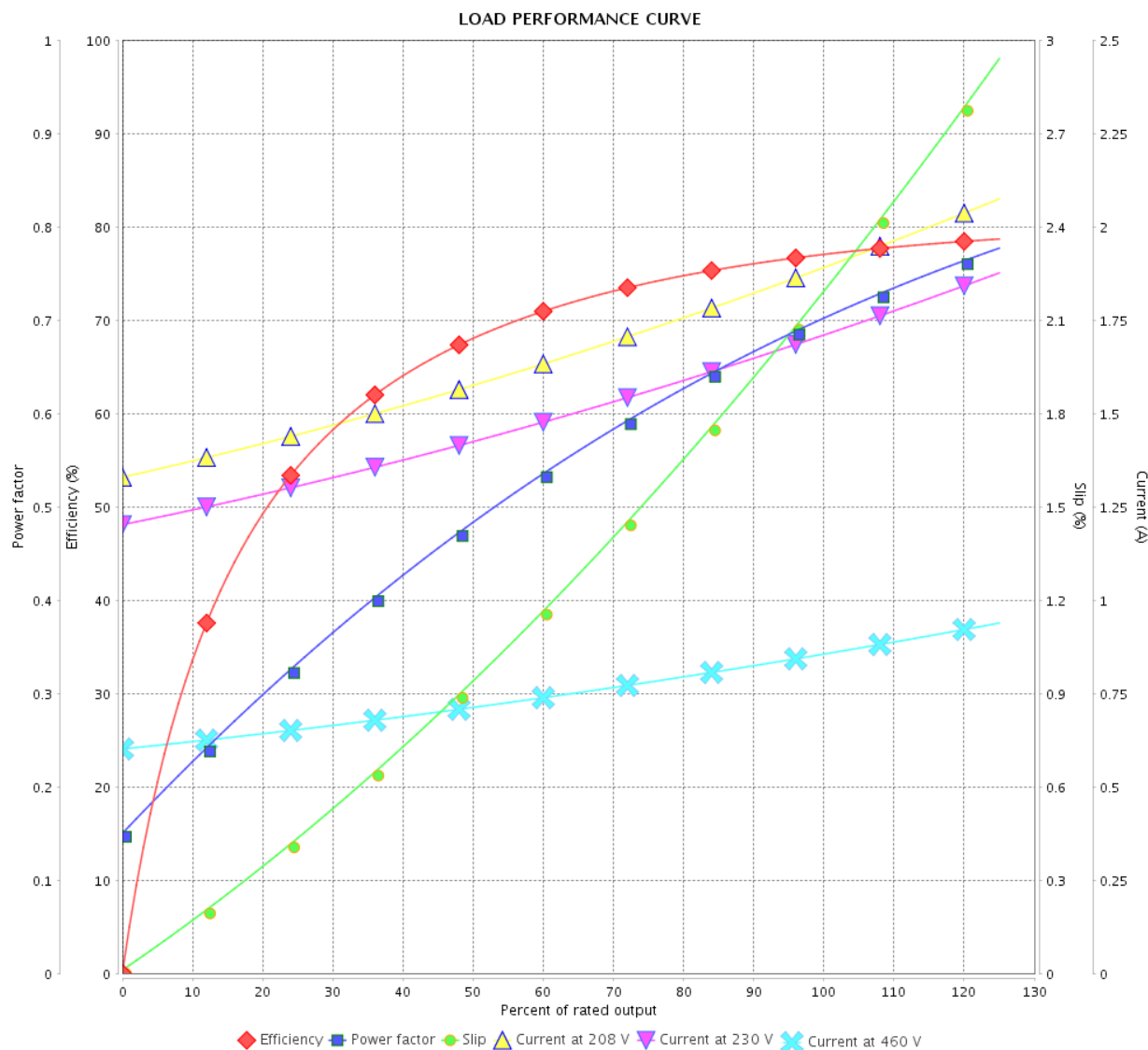
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12895578



Performance : 208-230/460 V 60 Hz 4P

Rated current : 1.91-1.72/0.862 A
 LRC : 7.0
 Rated torque : 0.206 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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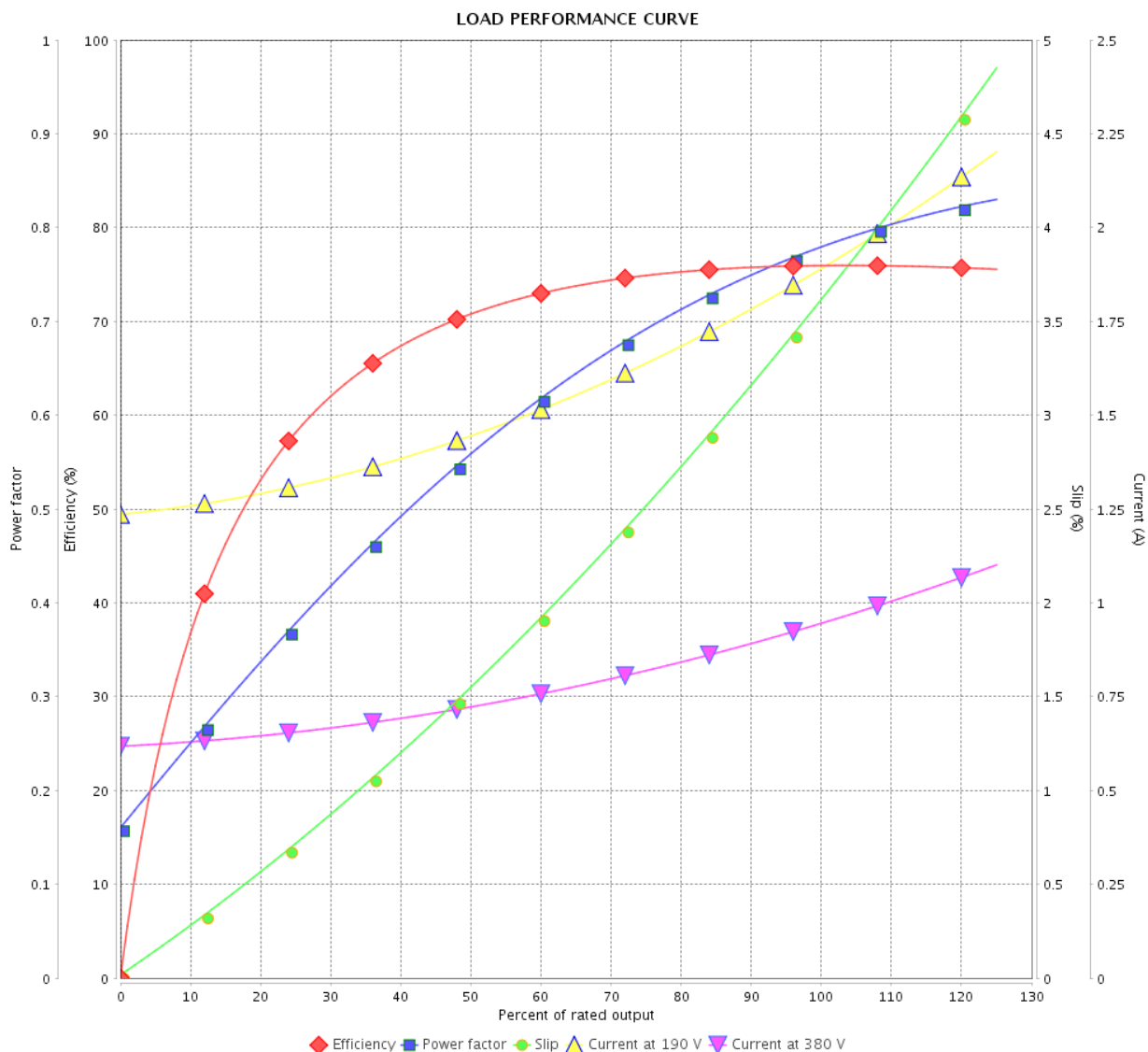
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12895578



Performance : 190/380 V 50 Hz 4P

Rated current : 1.90/0.950 A
 LRC : 5.8
 Rated torque : 0.251 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 250 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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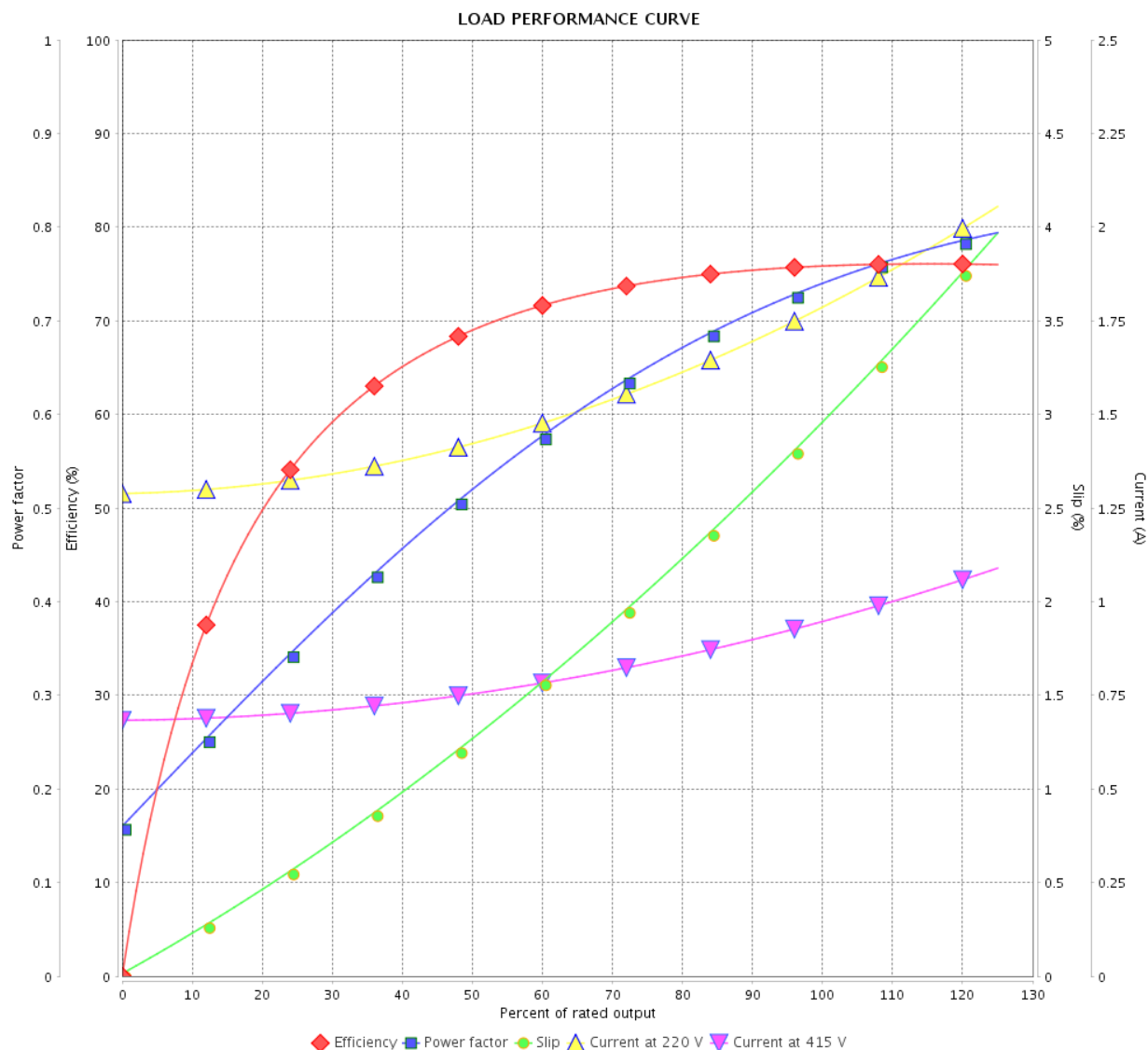
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12895578



Performance : 220/415 V 50 Hz 4P

Rated current : 1.80/0.952 A
 LRC : 6.2
 Rated torque : 0.249 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 290 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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