

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12630186

Frame	: 56	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	: 9.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm ²

Output [HP]	0.75	0.75	0.75
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190-220/380	415
Rated current [A]	2.50-2.26/1.13	2.52-2.18/1.26	1.20
L. R. Amperes [A]	17.5-15.8/7.91	13.9-12.0/6.93	7.56
LRC [A]	7.0x(Code K)	5.5x(Code G)	6.3x(Code J)
No load current [A]	0.948-1.10/0.550	1.05-0.909/0.526	0.665
Rated speed [RPM]	3475	2825	2860
Slip [%]	3.47	5.83	4.67
Rated torque [kgfm]	0.157	0.193	0.190
Locked rotor torque [%]	250	180	220
Breakdown torque [%]	290	220	270
Service factor		1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	41s (cold) 23s (hot)	52s (cold) 29s (hot)	43s (cold) 24s (hot)
Noise level ²	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Efficiency (%)	25%		
	50%	62.0	70.3
	75%	68.0	73.4
	100%	72.0	73.0
Power Factor	25%		
	50%	0.70	0.77
	75%	0.79	0.86
	100%	0.85	0.91

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	: 6203 ZZ	6202 ZZ	Max. traction	: 11 kgf
Sealing	: V'Ring	Without Bearing Seal	Max. compression	: 21 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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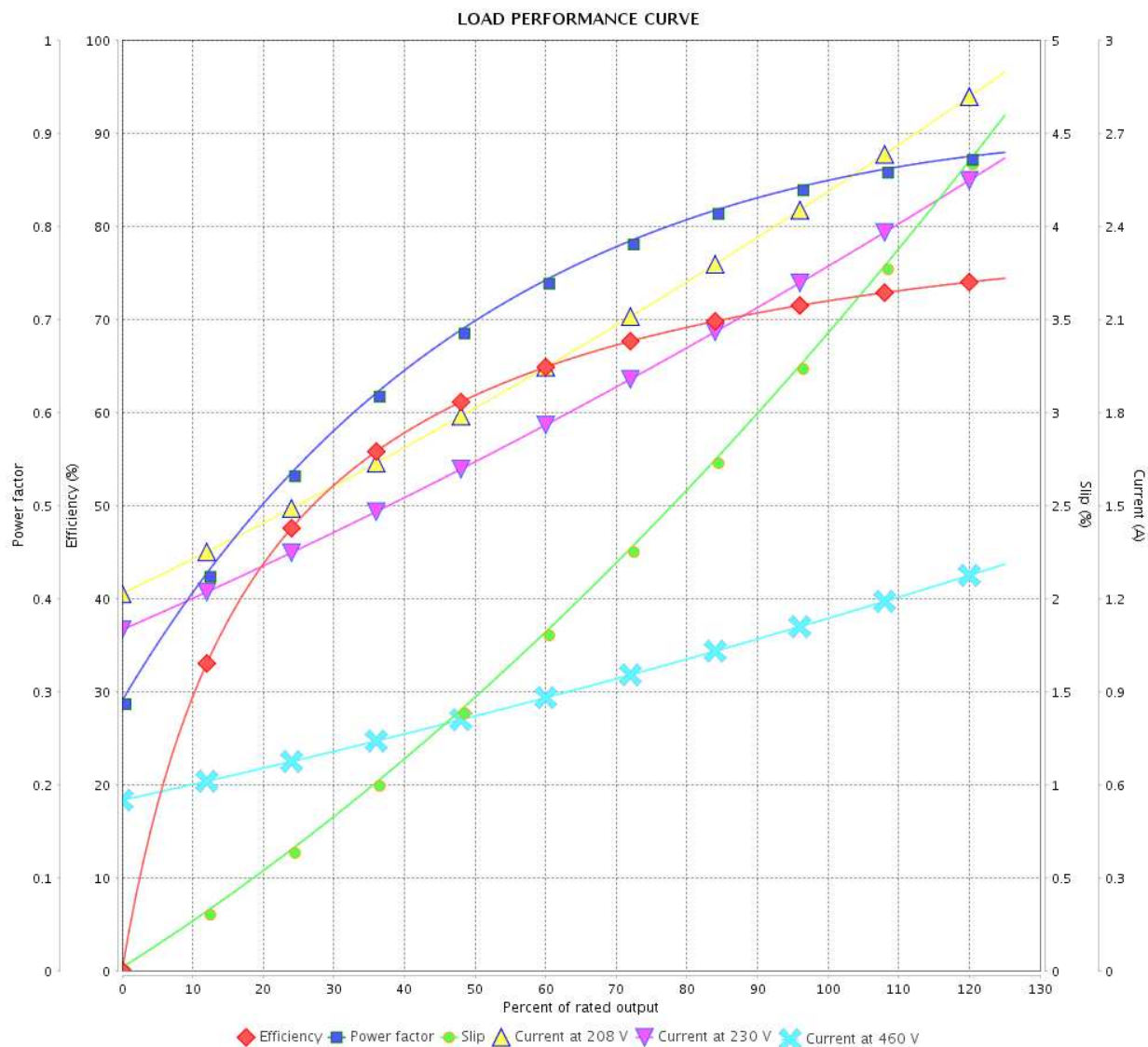
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12630186



Performance : 208-230/460 V 60 Hz 2P

Rated current : 2.50-2.26/1.13 A
 LRC : 7.0
 Rated torque : 0.157 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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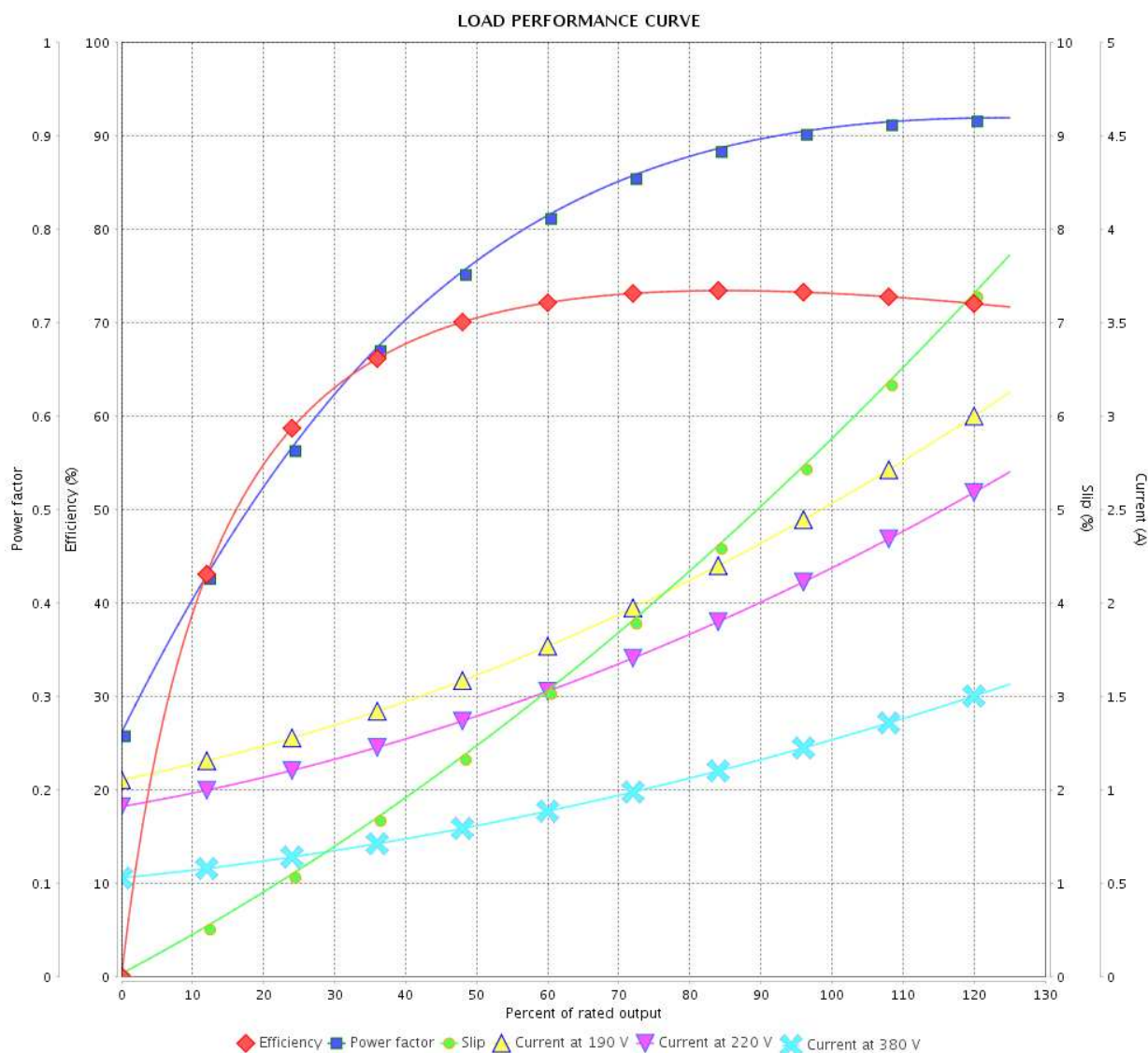
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12630186



Performance : 190-220/380 V 50 Hz 2P

Rated current : 2.52-2.18/1.26 A
 LRC : 5.5
 Rated torque : 0.193 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 220 %
 Rated speed : 2825 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K

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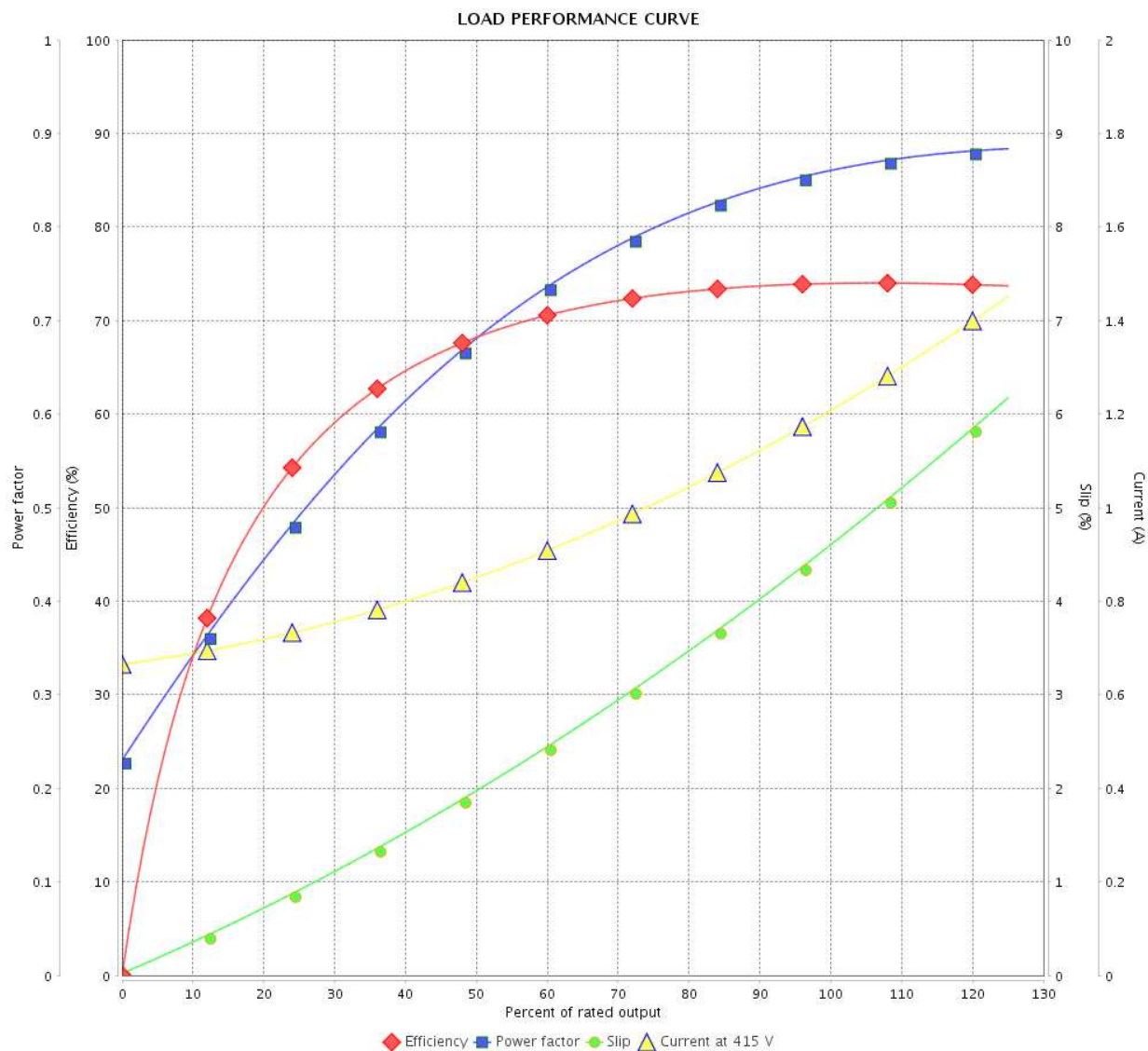
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12630186



Performance : 415 V 50 Hz 2P

Rated current : 1.20 A
 LRC : 6.3
 Rated torque : 0.190 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Rated speed : 2860 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

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