

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :			
Product line	: Standard Efficiency Three-Phase	Product code :	13885603
Frame	: W56C	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	: 7.9 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0017 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]	1.98-1.79/0.896	2.04/1.02	1.98/1.05
L. R. Amperes [A]	11.9-10.8/5.38	9.59/4.79	10.1/5.35
LRC [A]	6.0x(Code K)	4.7x(Code H)	5.1x(Code J)
No load current [A]	1.20-1.40/0.698	1.36/0.682	1.57/0.830
Rated speed [RPM]	1730	1400	1420
Slip [%]	3.89	6.67	5.33
Rated torque [kgfm]	0.210	0.259	0.256
Locked rotor torque [%]	260	190	229
Breakdown torque [%]	280	200	250
Service factor		1.00	1.00
Temperature rise	80 K	80 K	80 K
Locked rotor time	28s (cold) 16s (hot)	32s (cold) 18s (hot)	27s (cold) 15s (hot)
Noise level ²	50.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%		
	50%	62.0	64.0
	75%	70.0	68.0
	100%	72.0	68.0
Power Factor	25%		
	50%	0.49	0.57
	75%	0.62	0.71
	100%	0.72	0.81
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads	
Sealing	: V'Ring V'Ring	Max. traction	: 16 kgf
Lubrication interval	: - -	Max. compression	: 24 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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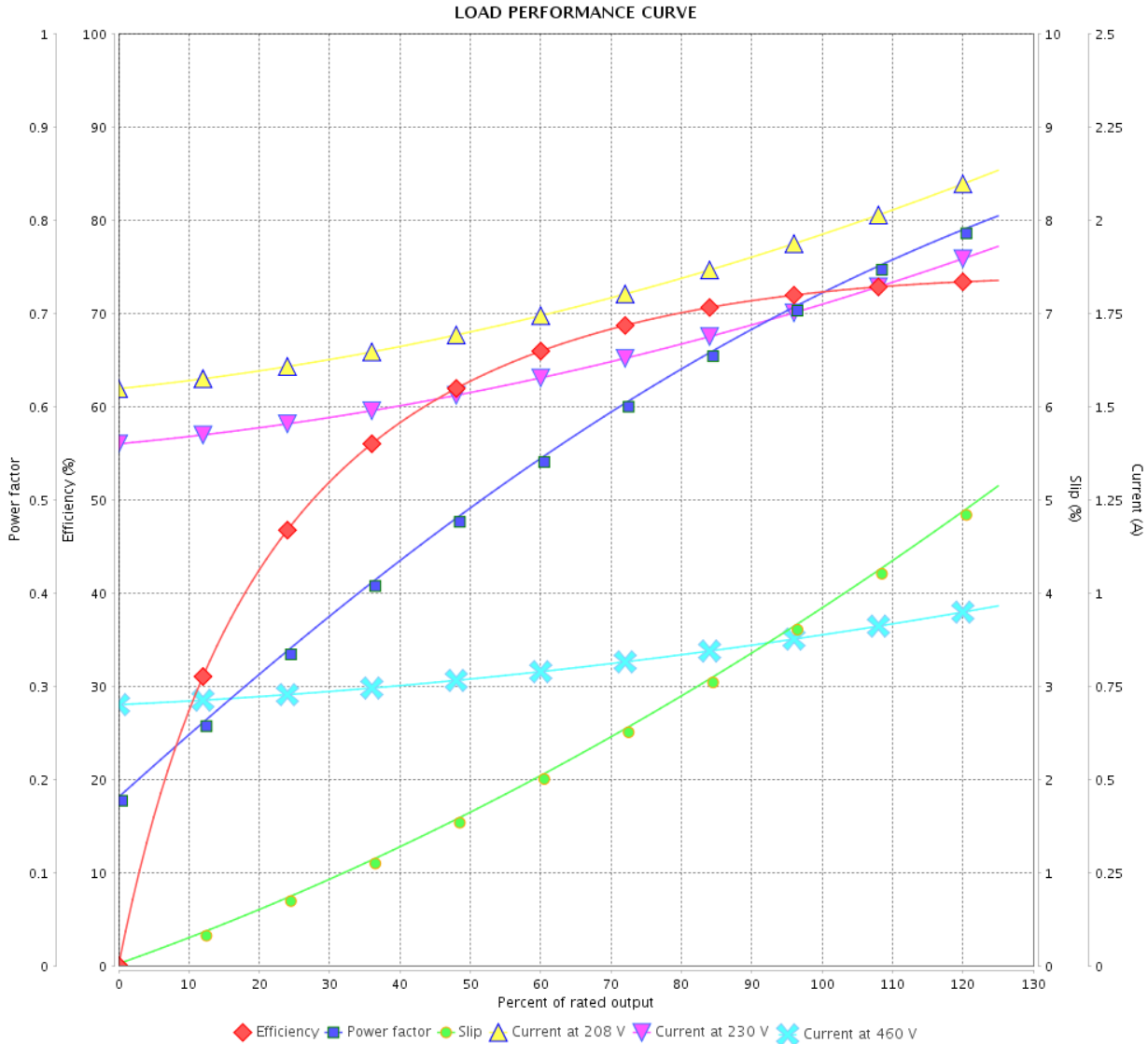
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13885603



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

Rated current : 1.98-1.79/0.896 A
 LRC : 6.0
 Rated torque : 0.210 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 280 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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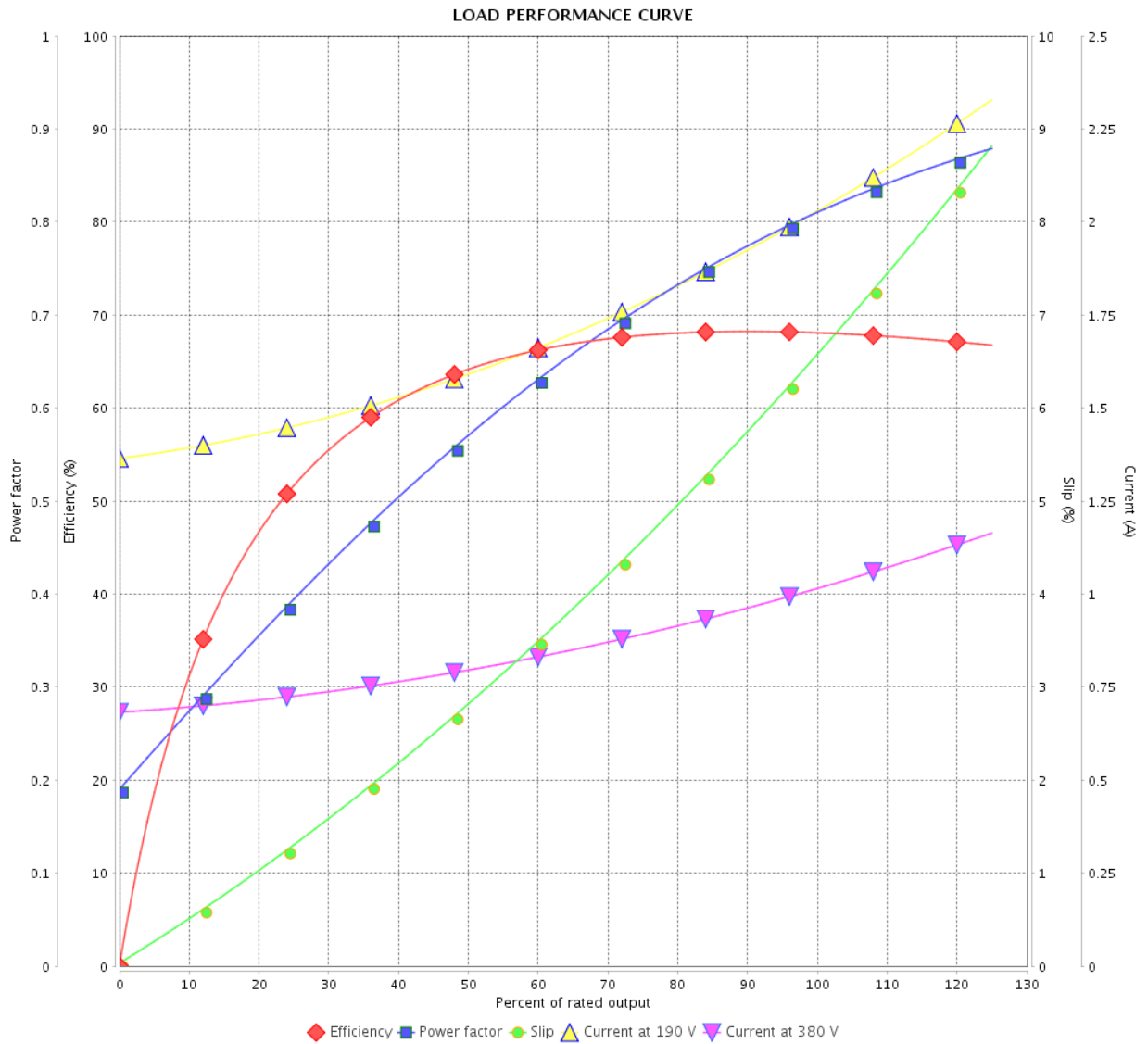
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13885603



Performance : 190/380 V 50 Hz 4P

Rated current : 2.04/1.02 A
 LRC : 4.7
 Rated torque : 0.259 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 200 %
 Rated speed : 1400 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

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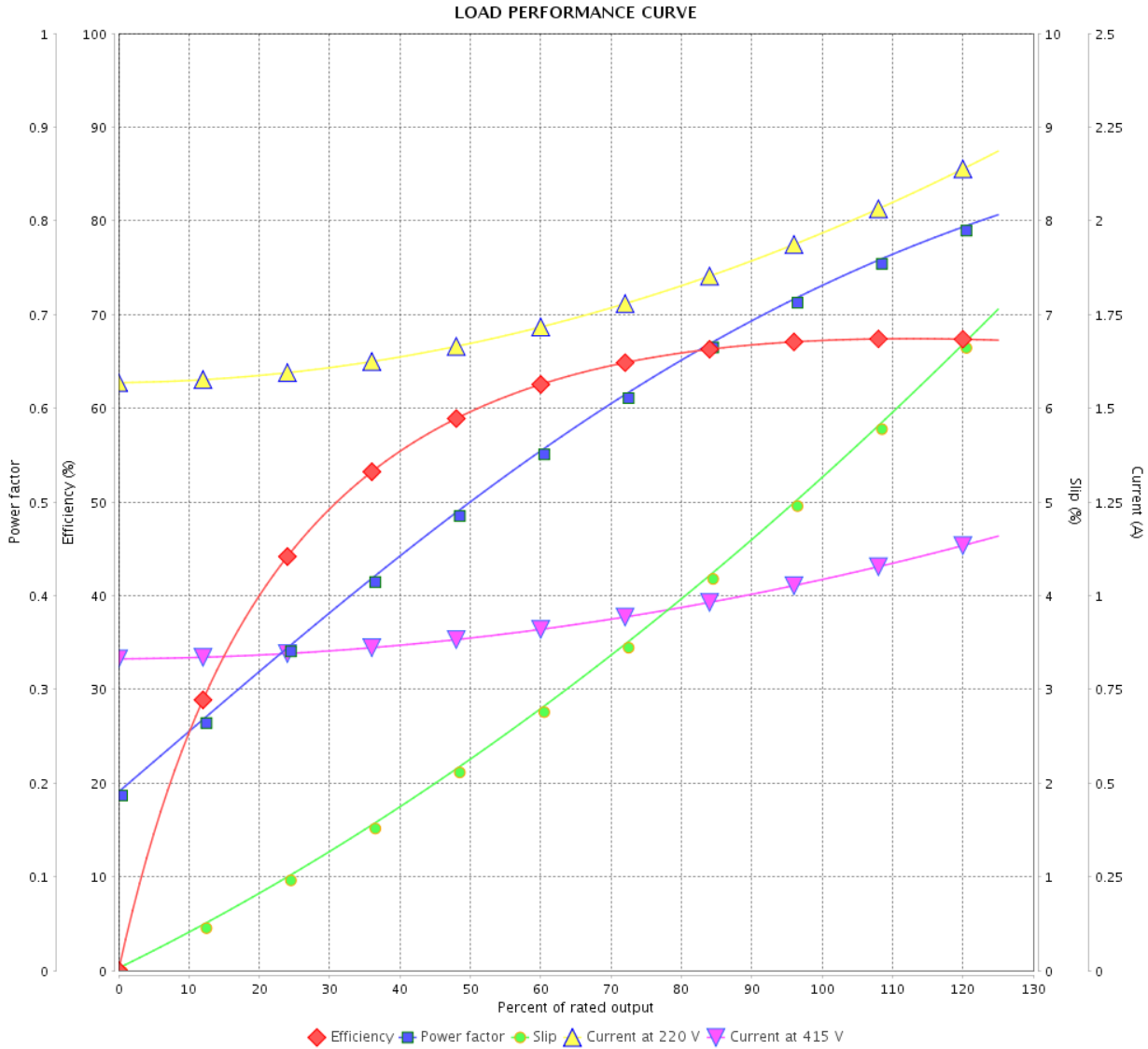
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13885603



Performance : 220/415 V 50 Hz 4P

Rated current : 1.98/1.05 A
 LRC : 5.1
 Rated torque : 0.256 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 250 %
 Rated speed : 1420 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

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