

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 ²	: 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	70.3	67.3
	75%	74.0	73.3	72.2
	100%	75.5	72.6	73.3
Power Factor	25%			
	50%	0.46	0.55	0.48
	75%	0.59	0.68	0.61
	100%	0.68	0.77	0.71
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 39 kgf	
Lubrication interval	: - -	Max. compression	: 53 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.		
Rev.	Changes Summary		Performed	Checked
Performed by			Page 1 / 4	Revision
Checked by				
Date	17/05/2022			

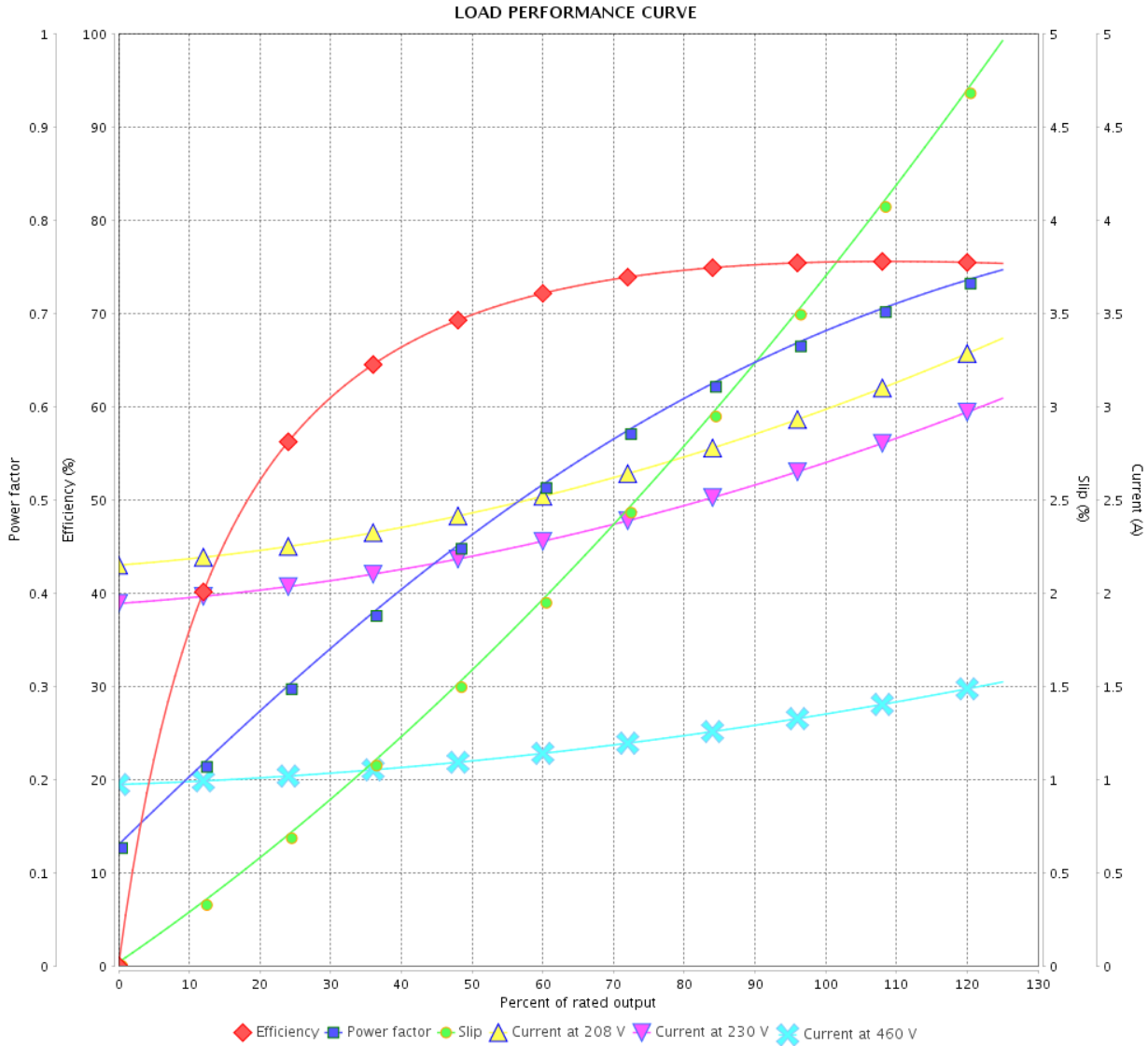
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Three Phase Induction Motor - Squirrel Cage



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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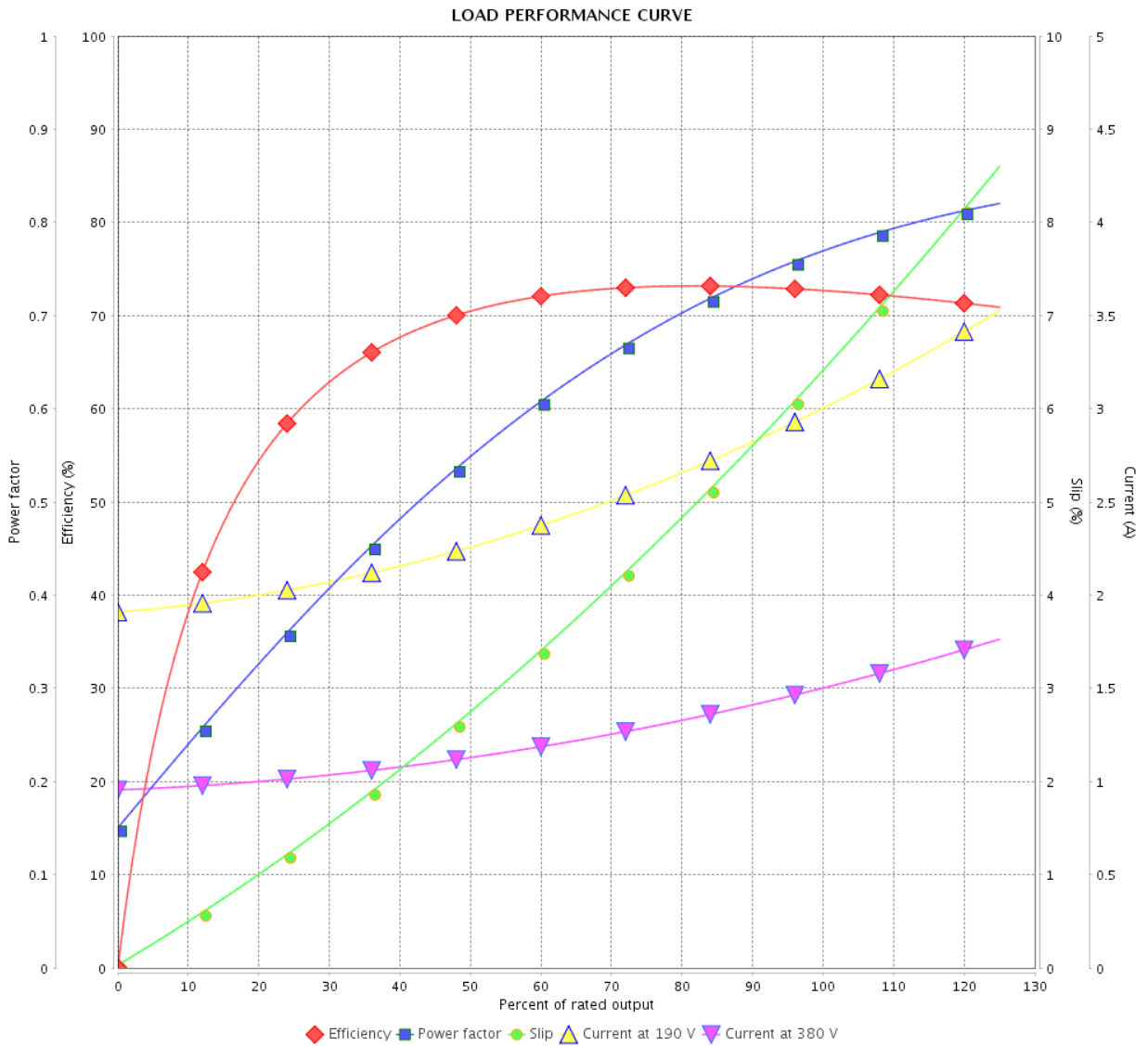
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Three Phase Induction Motor - Squirrel Cage



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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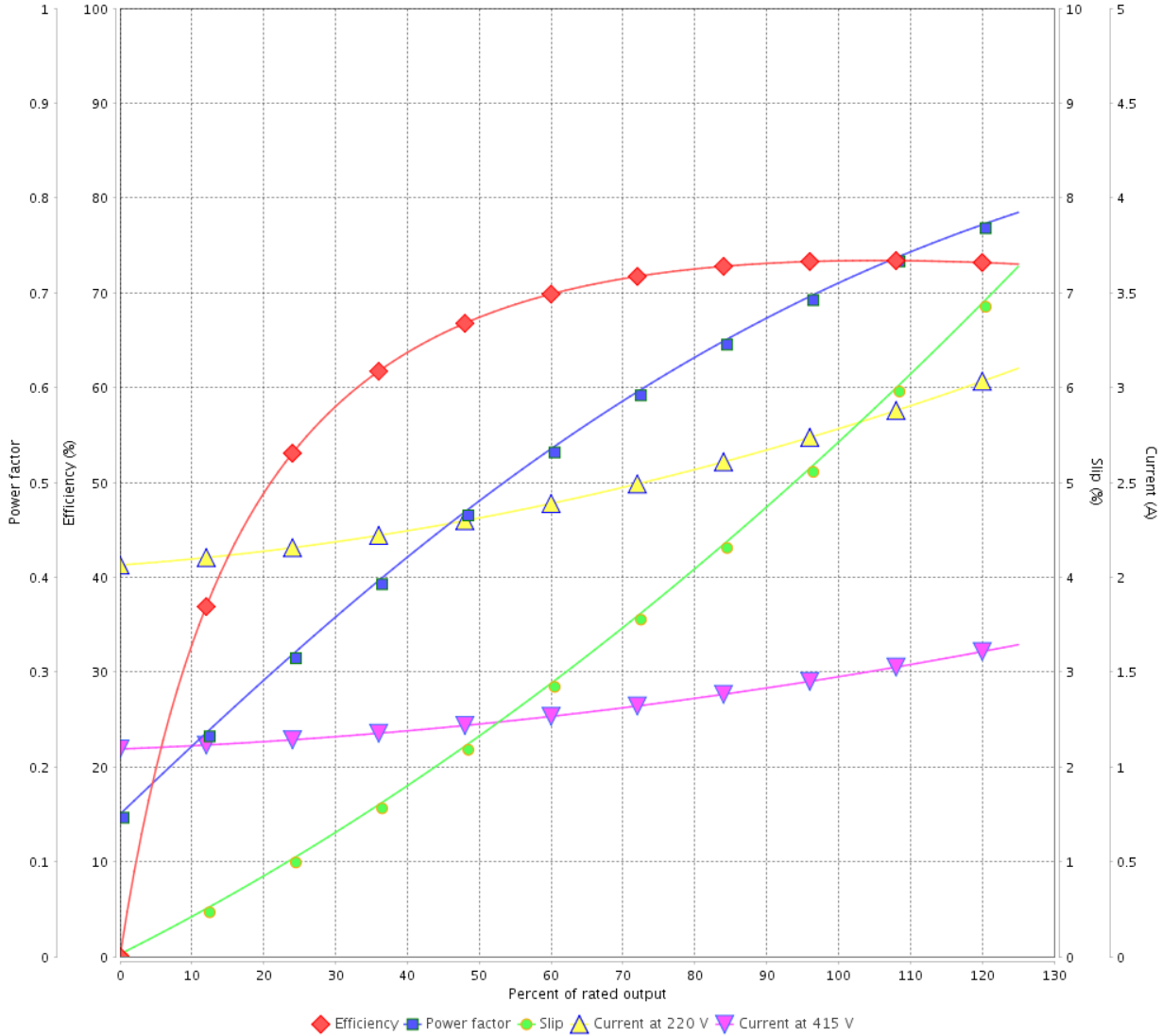
Three Phase Induction Motor - Squirrel Cage



Customer :

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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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