

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Three-Phase		Product code : 13737451			
Frame : 56	Insulation class : F	Cooling method : IC01 - ODP	Mounting : F-1		
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.		Approx. weight ² : 10.7 kg	Moment of inertia (J) : 0.0030 kgm ²		
Output [HP]	0.75	0.75	0.75		
Poles	4	4	4		
Frequency [Hz]	60	50	50		
Rated voltage [V]	208-230/460	190/380	220/415		
Rated current [A]	2.54-2.30/1.15	2.62/1.31	2.43/1.29		
L. R. Amperes [A]	18.5-16.8/8.40	14.9/7.47	15.6/8.26		
LRC [A]	7.3x(Code K)	5.7x(Code H)	6.4x(Code J)		
No load current [A]	1.38-1.60/0.800	1.53/0.763	1.73/0.917		
Rated speed [RPM]	1760	1445	1455		
Slip [%]	2.22	3.67	3.00		
Rated torque [kgfm]	0.309	0.377	0.374		
Locked rotor torque [%]	250	170	210		
Breakdown torque [%]	300	240	290		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	37s (cold) 21s (hot)	43s (cold) 24s (hot)	36s (cold) 20s (hot)		
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)		
Efficiency (%)	25%				
	50%	74.0	76.6	73.6	
	75%	78.5	79.2	77.8	
	100%	81.1	78.8	78.9	
Power Factor	25%				
	50%	0.52	0.60	0.52	
	75%	0.65	0.73	0.65	
	100%	0.74	0.81	0.75	
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 29 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 40 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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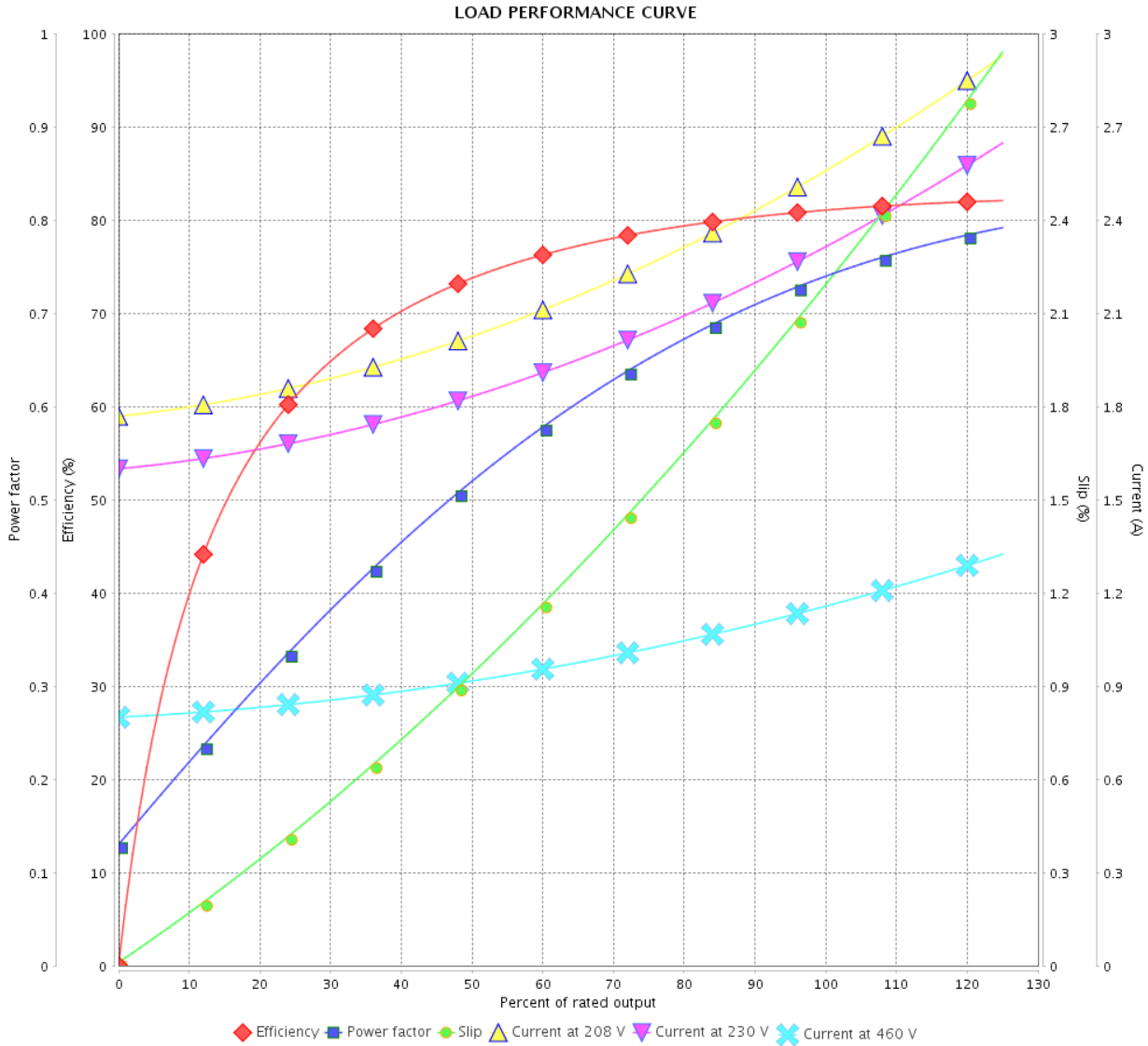
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737451



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

Rated current : 2.54-2.30/1.15 A
 LRC : 7.3
 Rated torque : 0.309 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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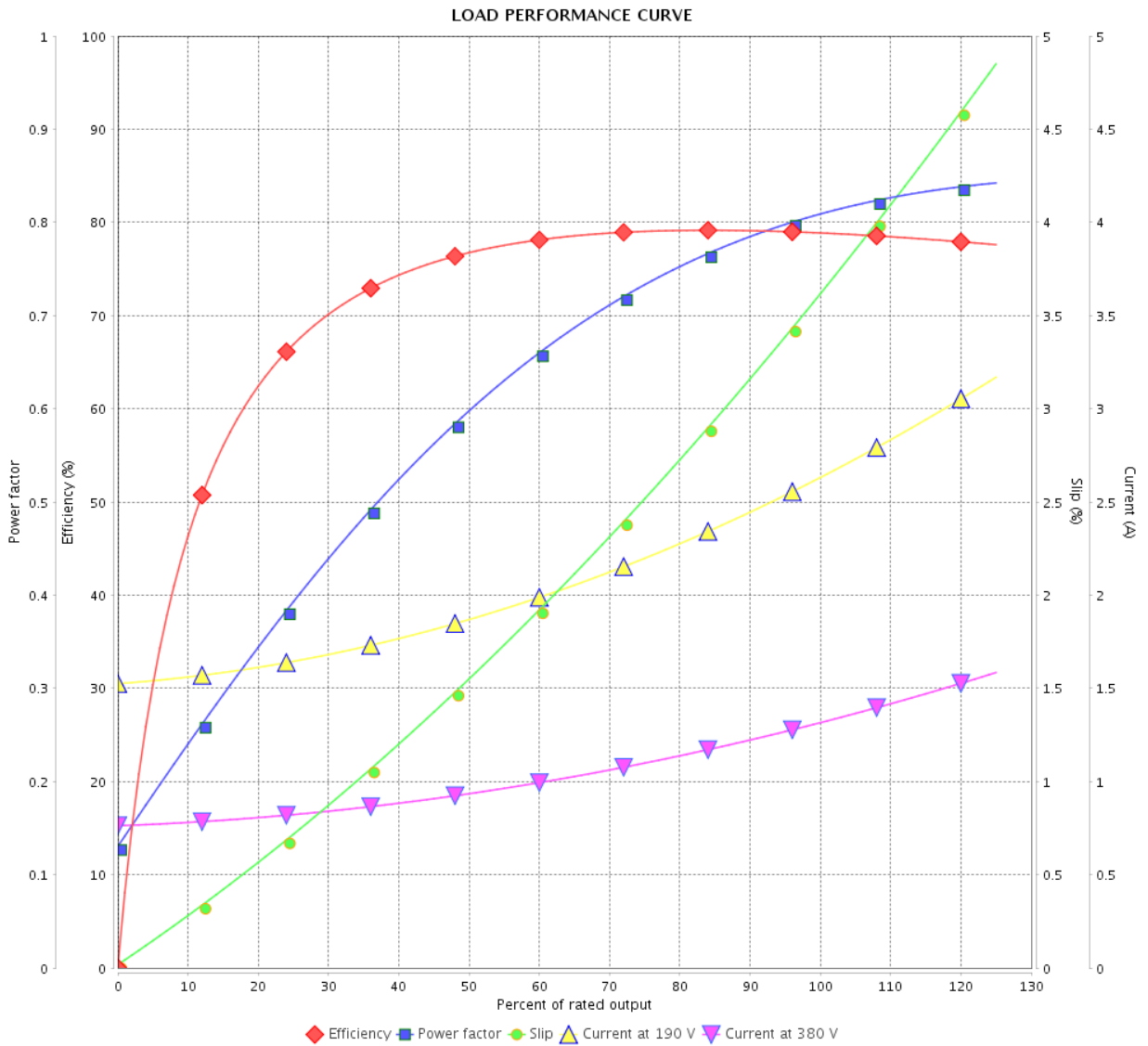
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13737451



Performance : 190/380 V 50 Hz 4P

Rated current : 2.62/1.31 A
 LRC : 5.7
 Rated torque : 0.377 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 240 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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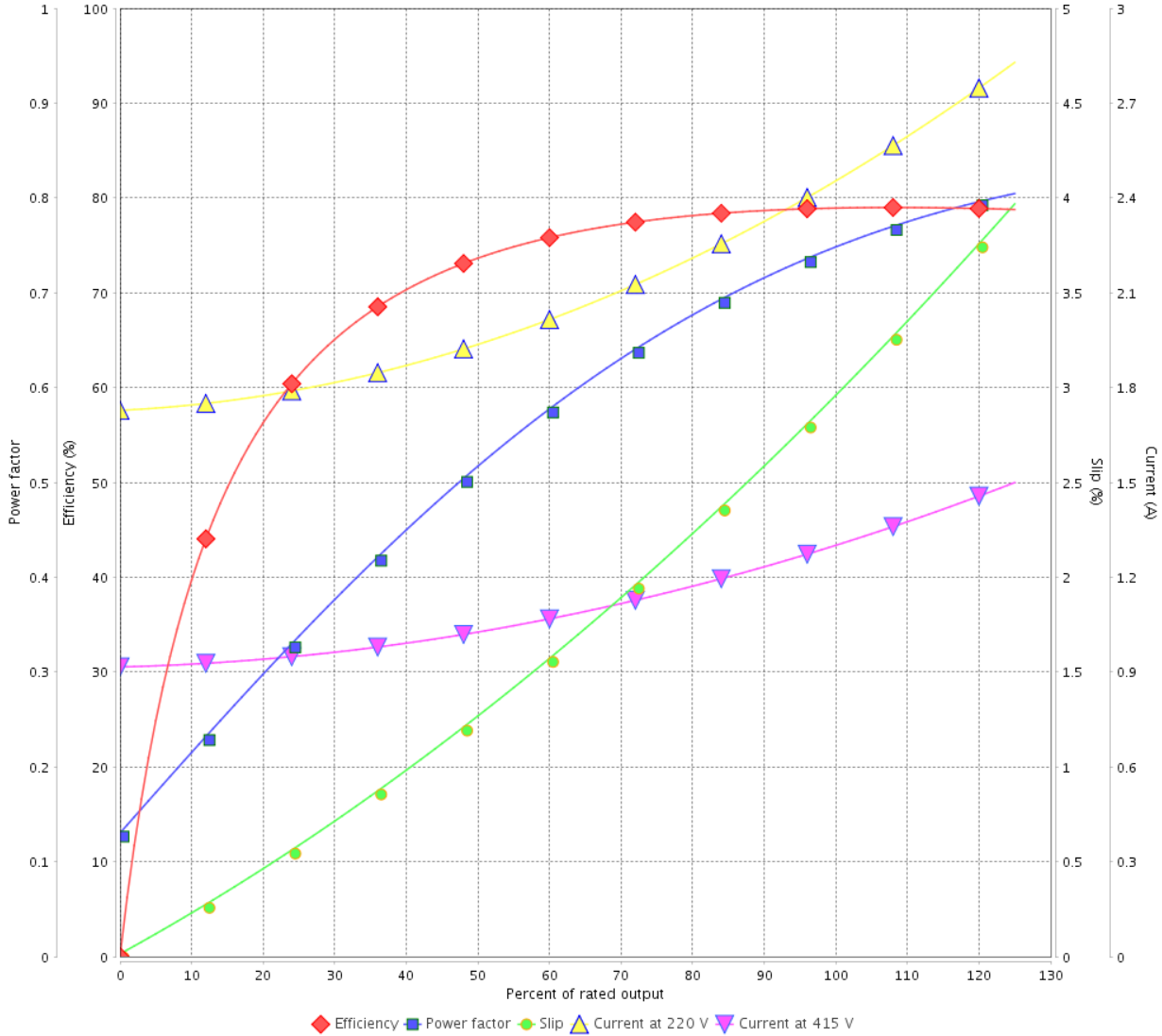


Customer :

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Performance : 220/415 V 50 Hz 4P

Rated current : 2.43/1.29 A
 LRC : 6.4
 Rated torque : 0.374 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 290 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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