

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 13728661			
Frame : 56H Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B	Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 16.9 kg Moment of inertia (J) : 0.0046 kgm ²			
Output [HP]	1.5	1.5	1.5	
Poles	4	4	4	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190/380	220/415	
Rated current [A]	4.04/2.02	4.82/2.41	4.28/2.27	
L. R. Amperes [A]	33.1/16.6	29.4/14.7	30.8/16.3	
LRC [A]	8.2x(Code K)	6.1x(Code H)	7.2x(Code J)	
No load current [A]	2.17/1.08	2.13/1.07	2.37/1.26	
Rated speed [RPM]	1750	1420	1435	
Slip [%]	2.78	5.33	4.33	
Rated torque [kgfm]	0.622	0.767	0.759	
Locked rotor torque [%]	270	210	260	
Breakdown torque [%]	300	250	300	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	37s (cold) 21s (hot)	36s (cold) 20s (hot)	32s (cold) 18s (hot)	
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%			
	50%	85.5	84.7	
	75%	86.5	84.7	
	100%	86.5	82.7	
Power Factor	25%			
	50%	0.59	0.67	
	75%	0.72	0.78	
	100%	0.79	0.84	
Bearing type	: Drive end 6204 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 65 kgf	
Lubrication interval	: - -	Max. compression	: 81 kgf	
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 4.47A SF 1.00 SFA 4.47A				
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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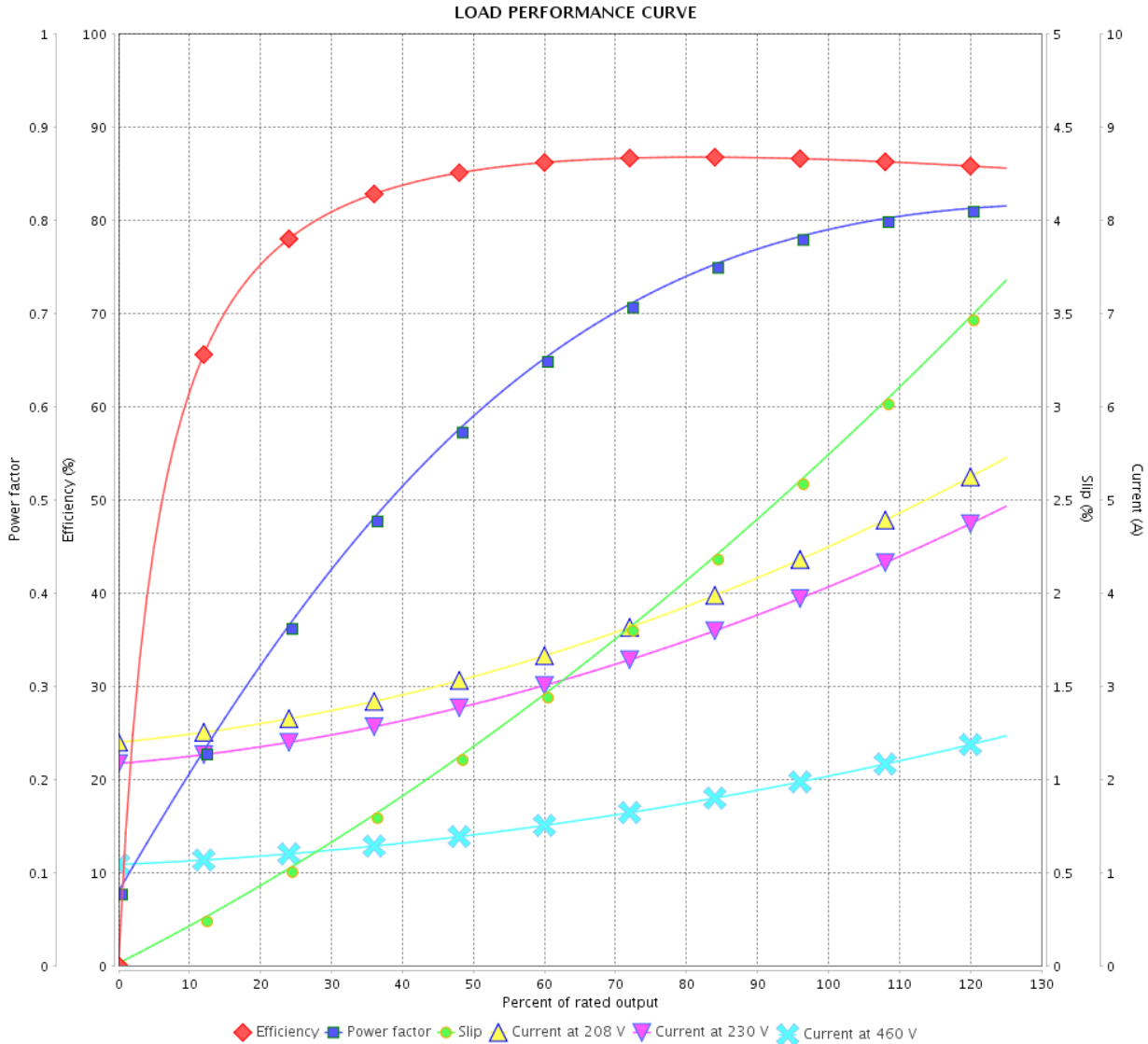
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13728661



Performance : 230/460 V 60 Hz 4P

Rated current : 4.04/2.02 A
 LRC : 8.2
 Rated torque : 0.622 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0046 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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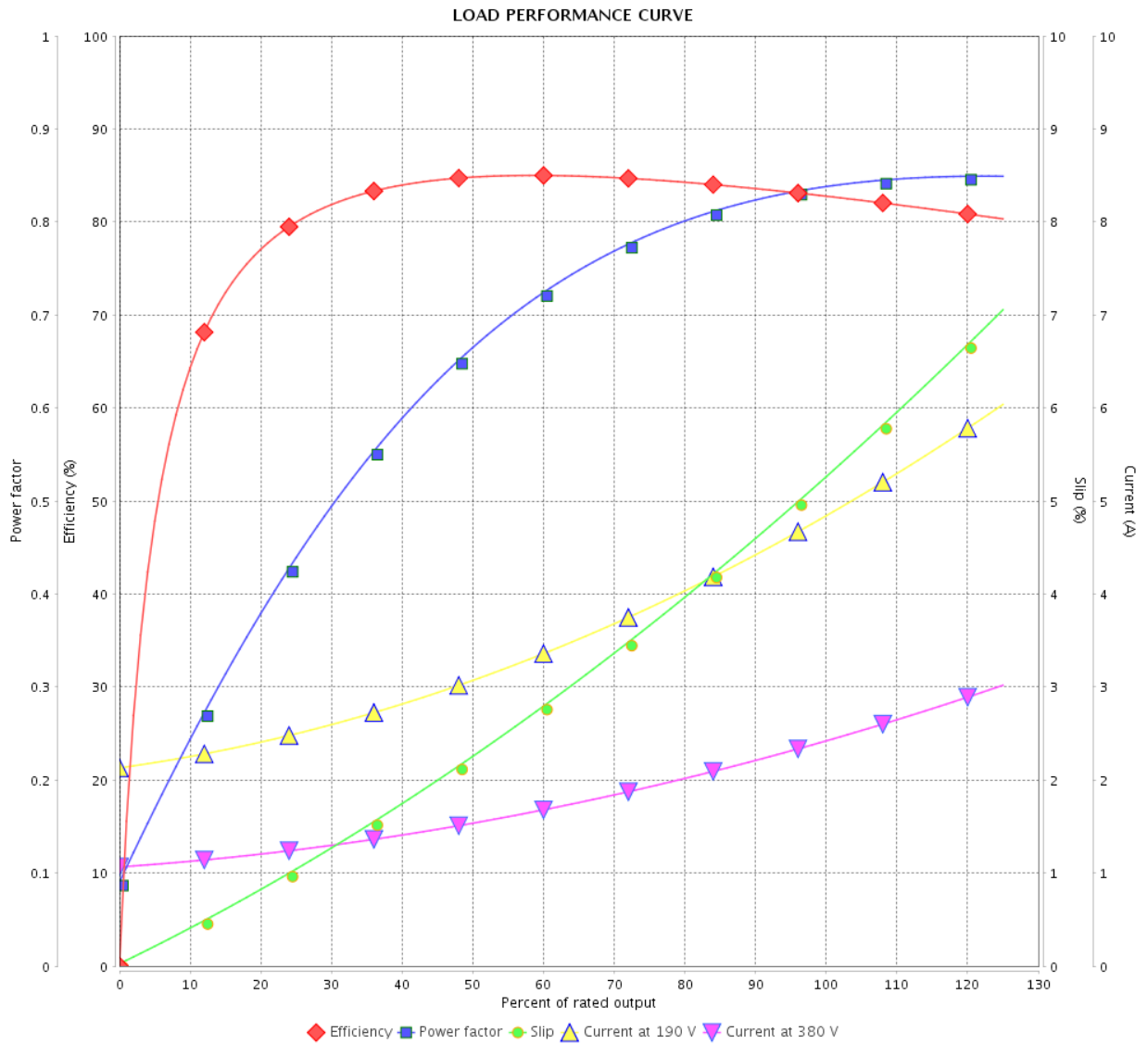
Three Phase Induction Motor - Squirrel Cage



Customer : _____

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Performance : 190/380 V 50 Hz 4P

Rated current : 4.82/2.41 A
 LRC : 6.1
 Rated torque : 0.767 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Rated speed : 1420 rpm

Moment of inertia (J) : 0.0046 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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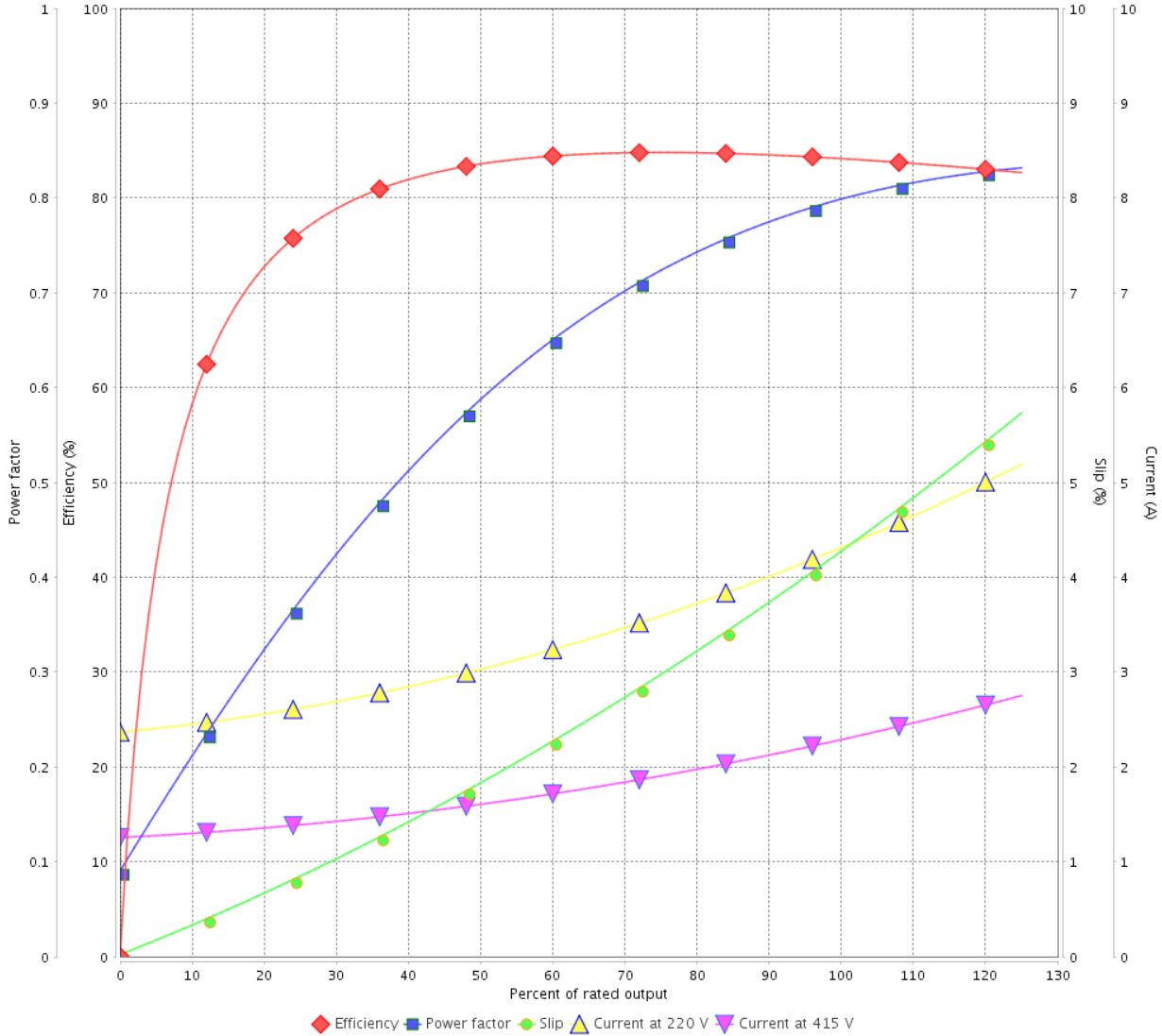


Customer :

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Performance : 220/415 V 50 Hz 4P

Rated current : 4.28/2.27 A
 LRC : 7.2
 Rated torque : 0.759 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0046 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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