

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 13878068		
Frame : W56C	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : W-12	
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.	Protection degree : IP55	Approx. weight ² : 9.5 kg	Moment of inertia (J) : 0.0022 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]	1.72-1.56/0.778	1.82/0.911	1.63/0.865	
L. R. Amperes [A]	11.0-9.96/4.98	8.56/4.28	8.97/4.76	
LRC [A]	6.4x(Code J)	4.7x(Code G)	5.5x(Code H)	
No load current [A]	0.855-0.992/0.496	0.980/0.490	1.04/0.549	
Rated speed [RPM]	1730	1400	1415	
Slip [%]	3.89	6.67	5.67	
Rated torque [kgfm]	0.210	0.259	0.256	
Locked rotor torque [%]	229	170	210	
Breakdown torque [%]	310	200	250	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	36s (cold) 20s (hot)	34s (cold) 19s (hot)	30s (cold) 17s (hot)	
Noise level ²	50.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%			
	50%	74.0	73.9	72.2
	75%	77.0	75.4	75.5
	100%	78.5	73.5	75.3
Power Factor	25%			
	50%	0.54	0.63	0.56
	75%	0.67	0.77	0.70
	100%	0.76	0.84	0.79
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction	: 15 kgf
Lubrication interval	: -	-	Max. compression	: 25 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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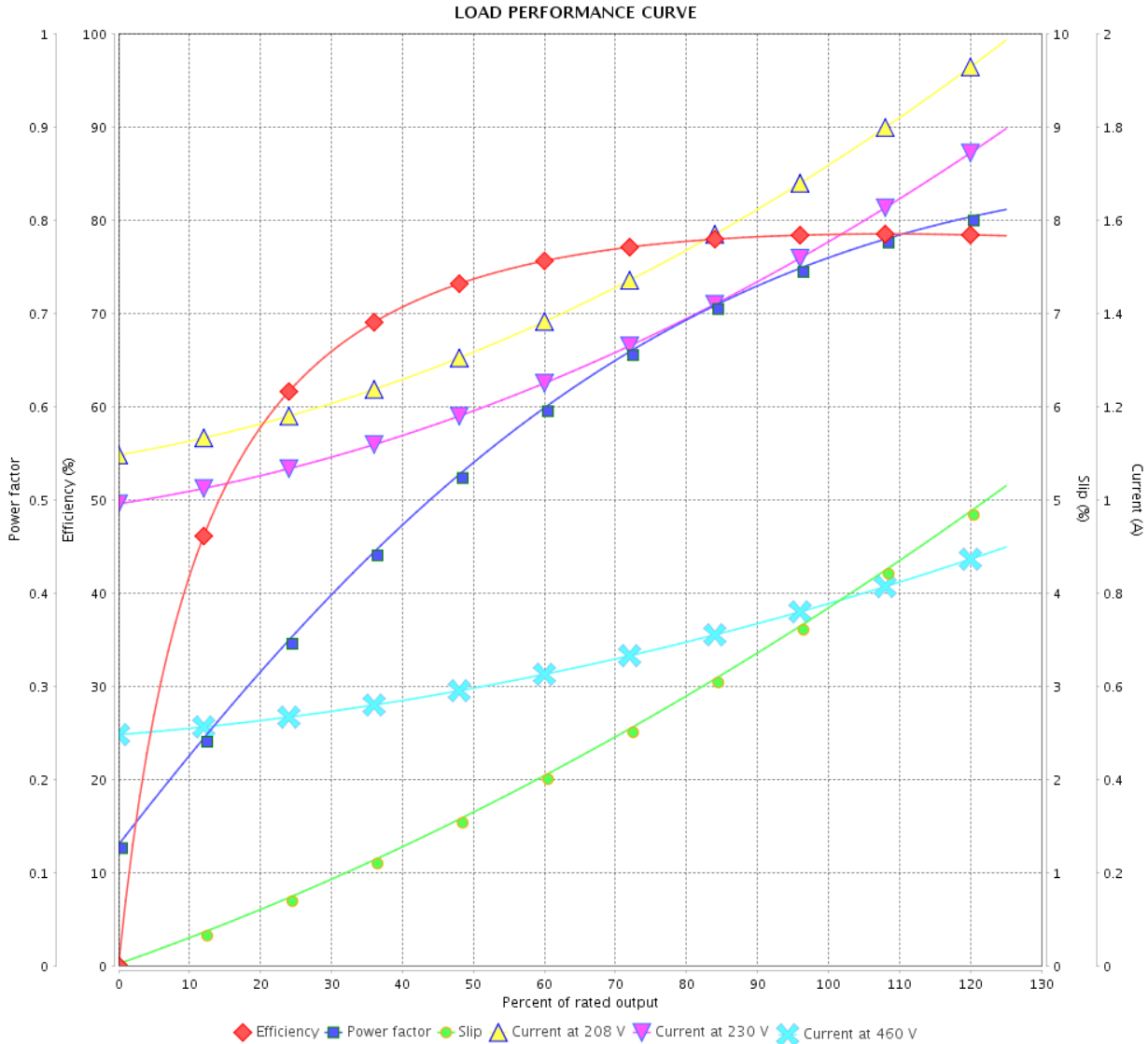
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13878068



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

Rated current : 1.72-1.56/0.778 A
 LRC : 6.4
 Rated torque : 0.210 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 310 %
 Rated speed : 1730 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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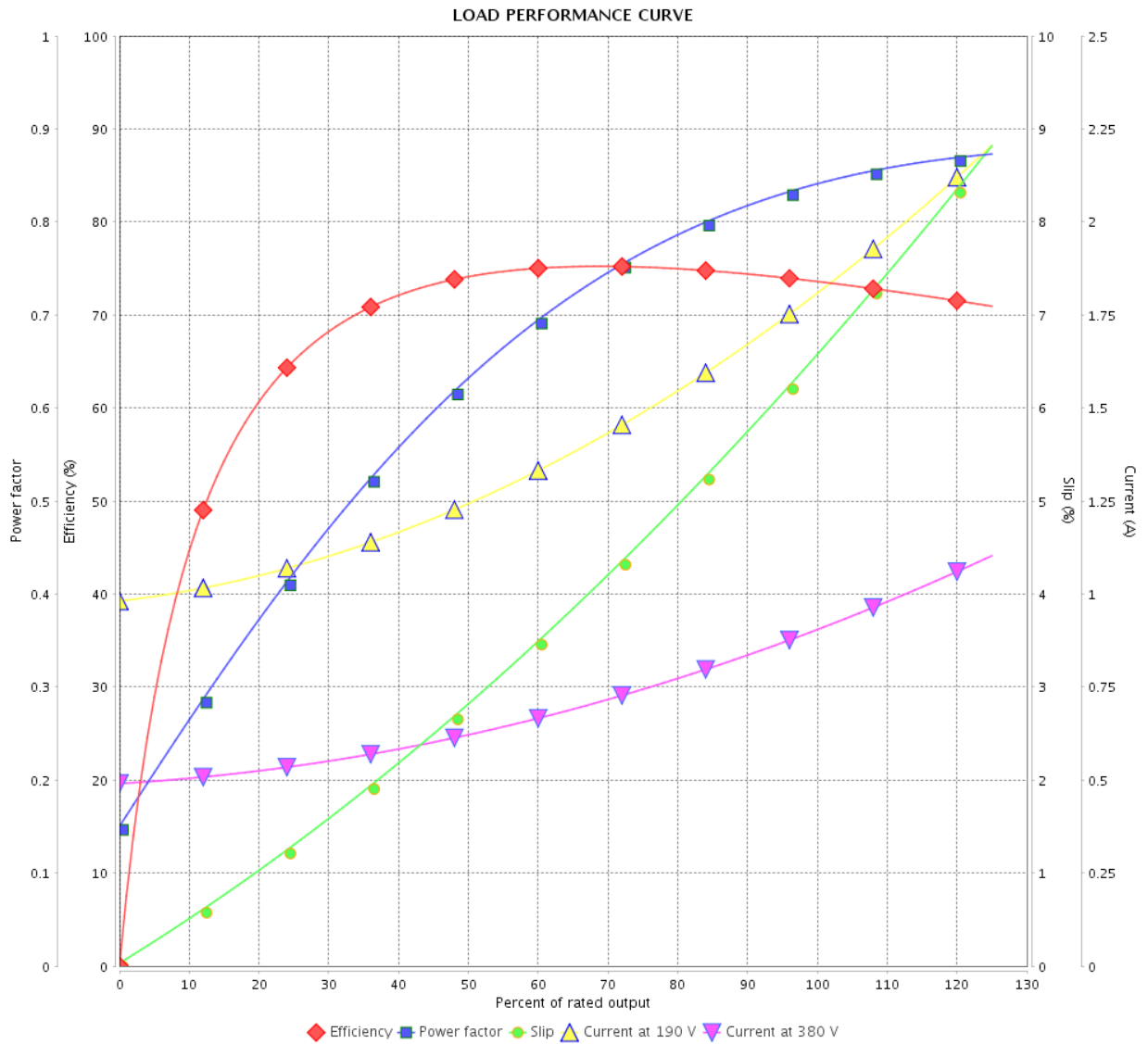
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13878068



Performance : 190/380 V 50 Hz 4P

Rated current : 1.82/0.911 A
 LRC : 4.7
 Rated torque : 0.259 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 200 %
 Rated speed : 1400 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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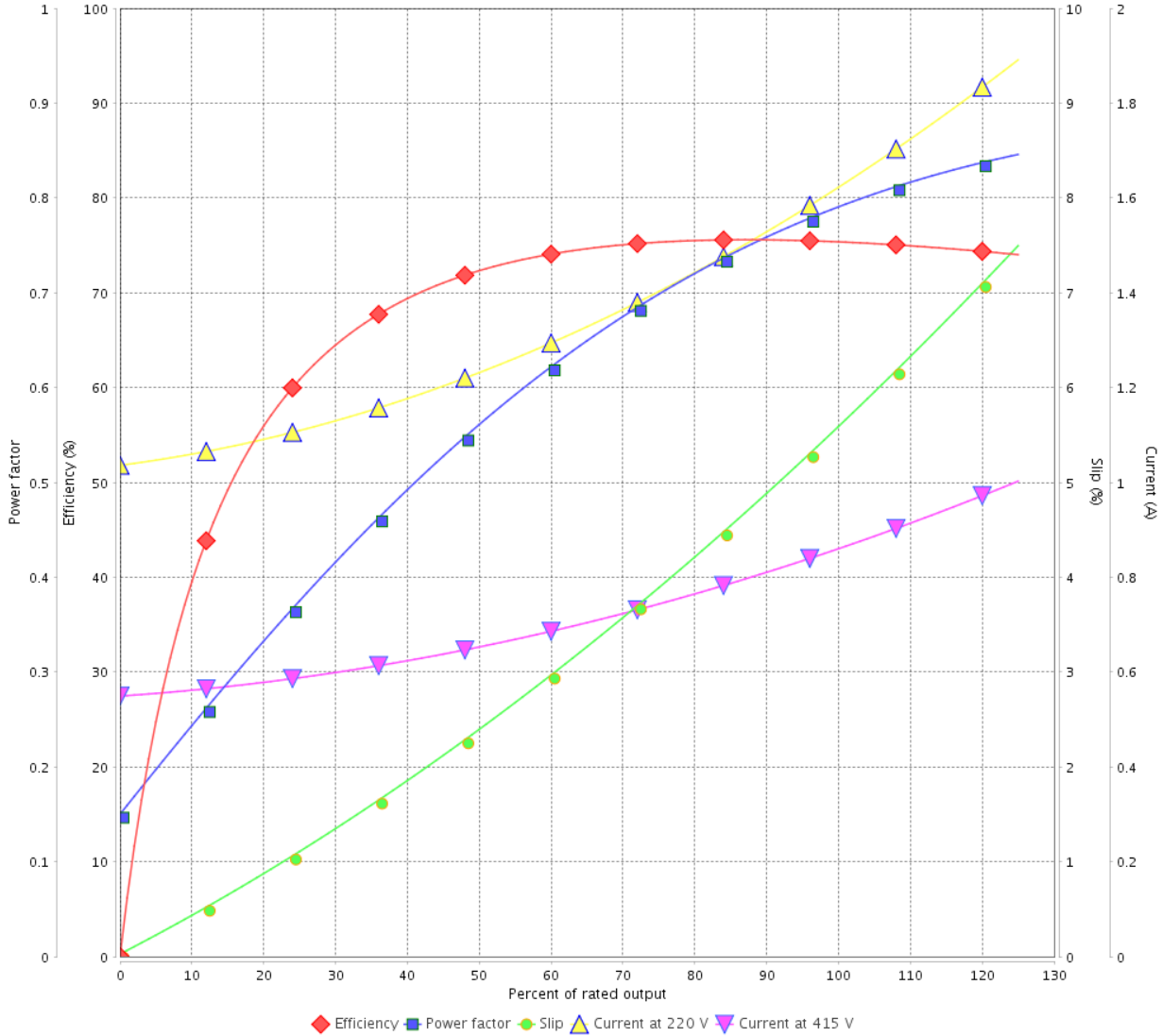


Customer :

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Performance : 220/415 V 50 Hz 4P

Rated current : 1.63/0.865 A
 LRC : 5.5
 Rated torque : 0.256 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Rated speed : 1415 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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