

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 13737502		
Frame	: 56H	Cooling method	: IC01 - ODP	
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	: 20.3 kg	
Design	: A	Moment of inertia (J)	: 0.0060 kgm ²	
Output [HP]	3	2	2	
Poles	4	4	4	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190/380	220/415	
Rated current [A]	7.94/3.97	6.96/3.48	6.75/3.58	
L. R. Amperes [A]	60.3/30.2	55.0/27.5	58.1/30.8	
LRC [A]	7.6x(Code K)	7.9x(Code L)	8.6x(Code M)	
No load current [A]	4.20/2.10	4.19/2.10	4.88/2.59	
Rated speed [RPM]	1735	1445	1455	
Slip [%]	3.61	3.67	3.00	
Rated torque [kgfm]	1.25	1.00	0.998	
Locked rotor torque [%]	270	320	400	
Breakdown torque [%]	300	370	450	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	21s (cold) 12s (hot)	30s (cold) 17s (hot)	25s (cold) 14s (hot)	
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%			
	50%	86.5	85.1	82.0
	75%	86.5	86.6	85.0
	100%	86.9	86.2	85.8
Power Factor	25%			
	50%	0.59	0.54	0.45
	75%	0.72	0.68	0.58
	100%	0.80	0.76	0.68
Bearing type	: Drive end 6204 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction	: 134 kgf	
		Max. compression	: 155 kgf	
Lubrication interval	: -			
Lubricant amount	: -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 8.79A SF 1.00 SFA 8.79A				
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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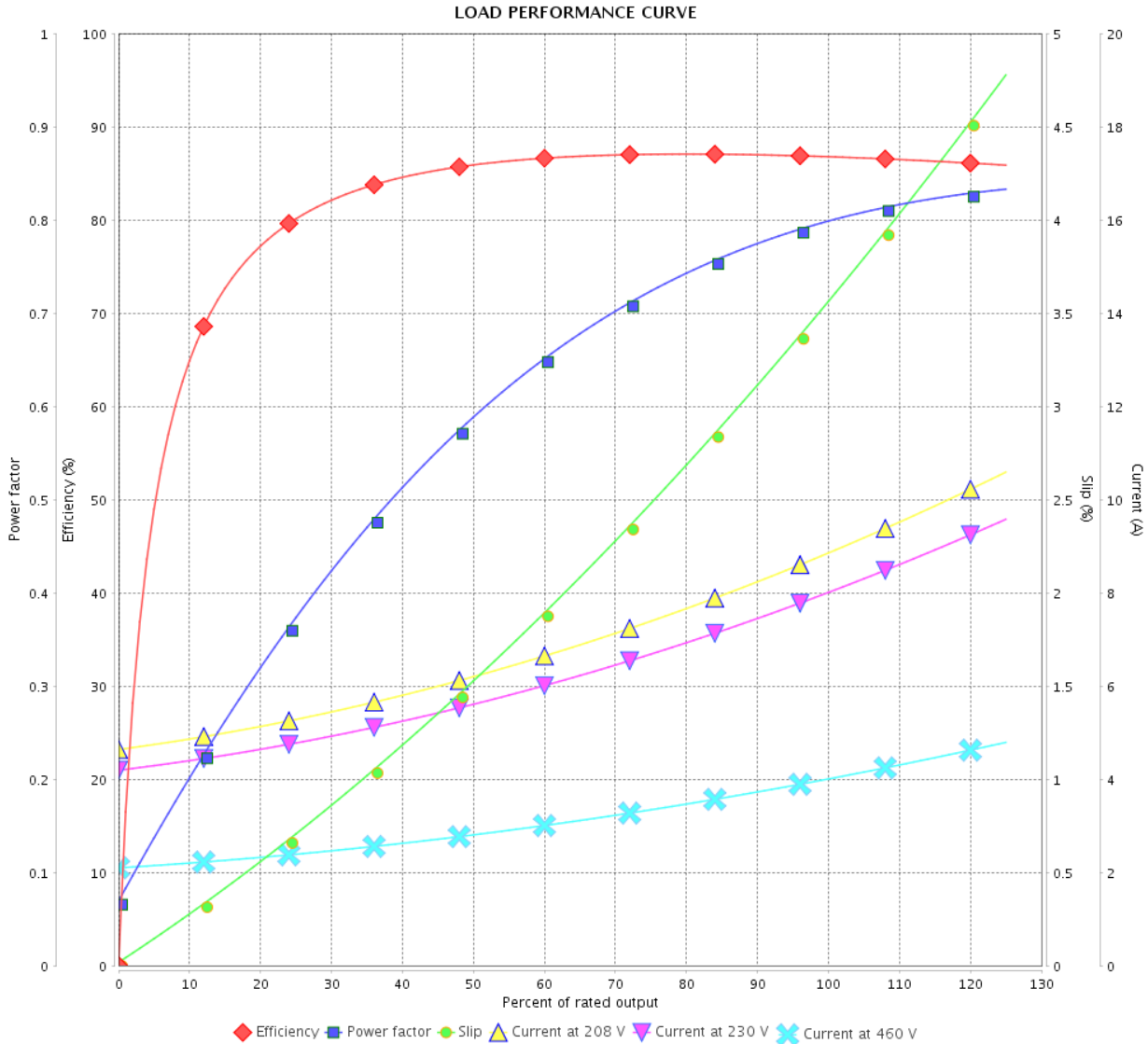
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737502



Performance : 230/460 V 60 Hz 4P

Rated current : 7.94/3.97 A
 LRC : 7.6
 Rated torque : 1.25 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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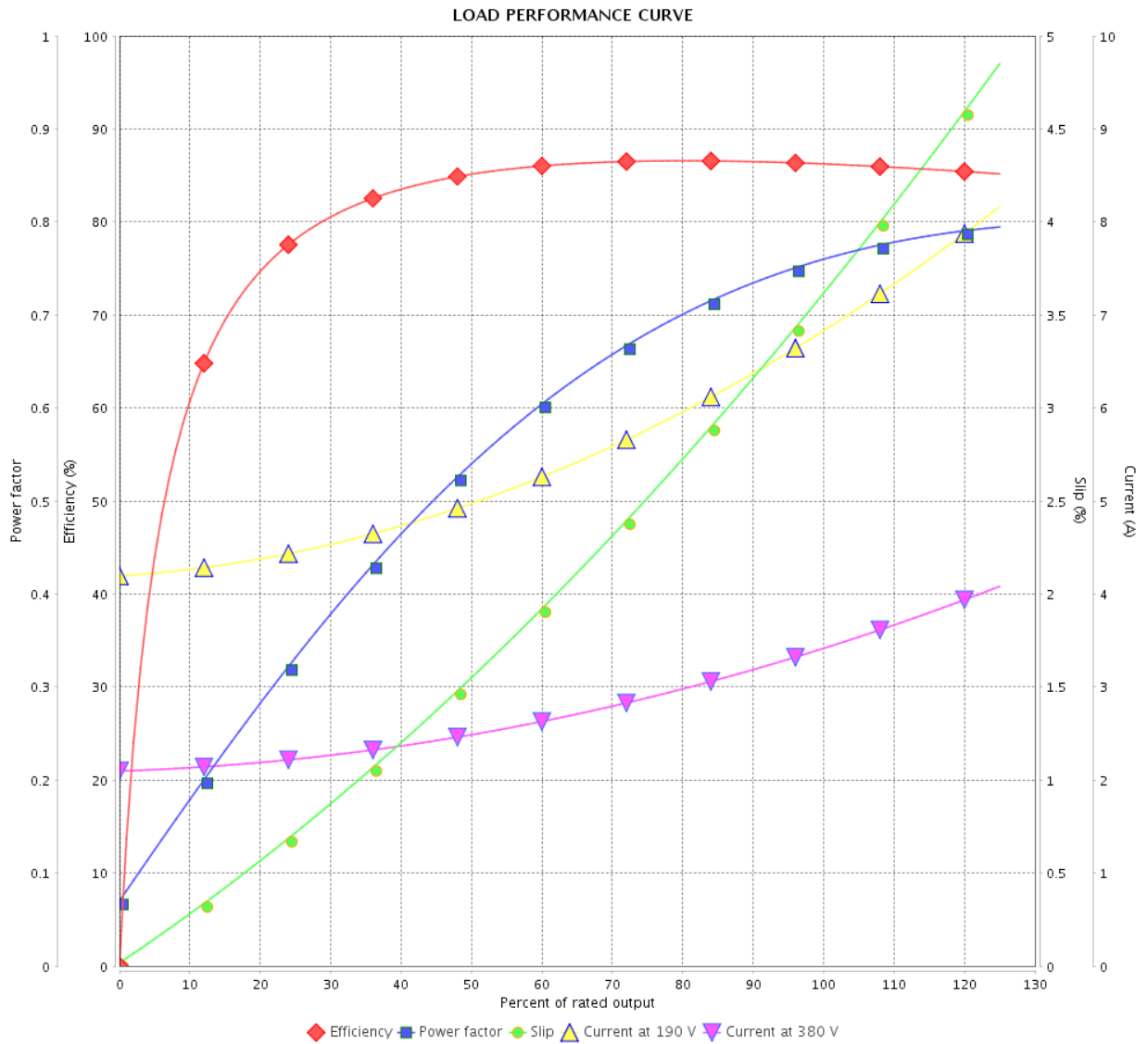
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

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Performance : 190/380 V 50 Hz 4P

Rated current : 6.96/3.48 A
 LRC : 7.9
 Rated torque : 1.00 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 370 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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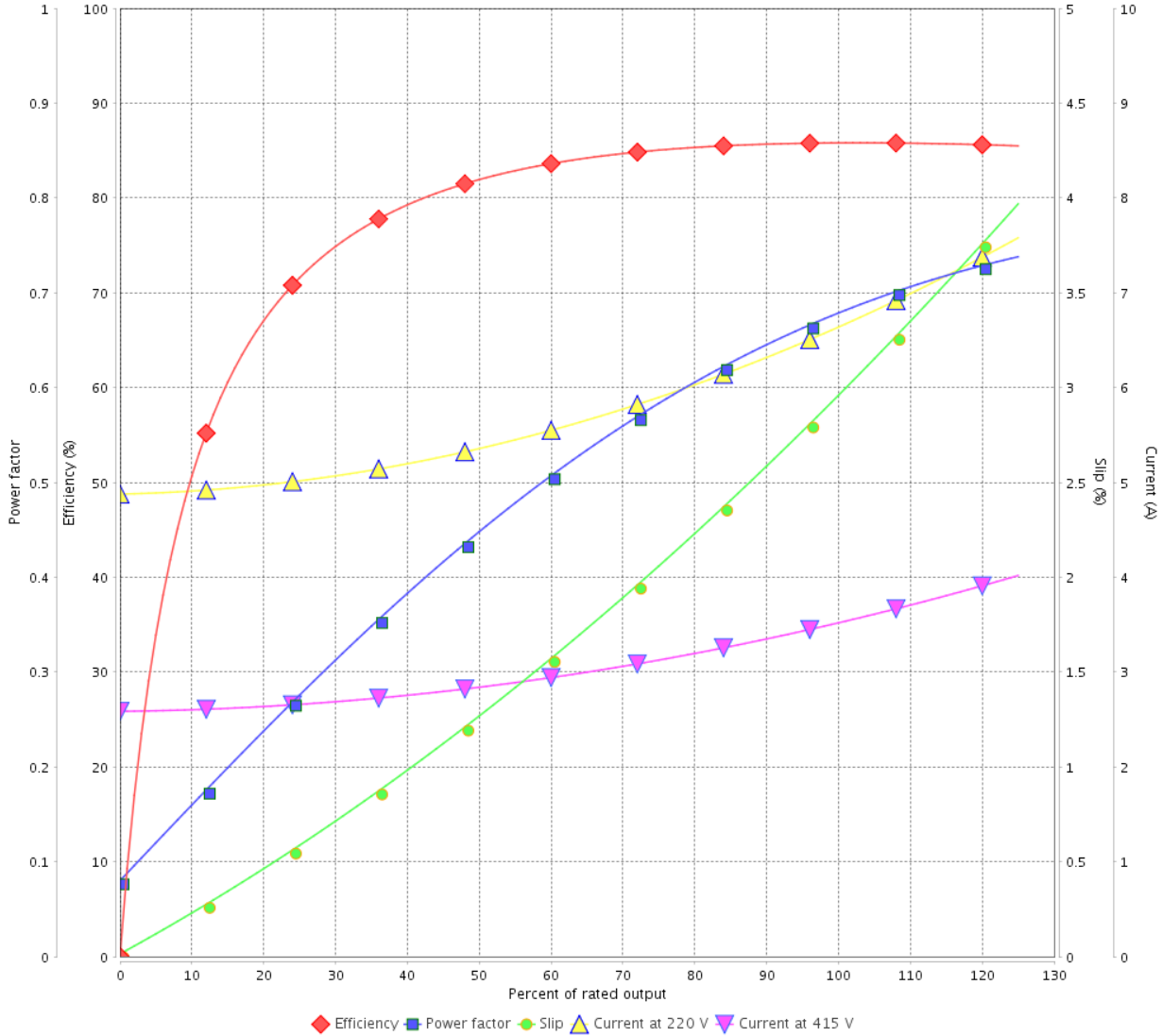


Customer :

Product line : Three-Phase

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Performance : 220/415 V 50 Hz 4P

Rated current : 6.75/3.58 A
 LRC : 8.6
 Rated torque : 0.998 kgfm
 Locked rotor torque : 400 %
 Breakdown torque : 450 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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