

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase	Product code :	13989584	
Frame	: W56C	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	: 10.0 kg	
Protection degree	: IP55	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	72.2	
	75%	77.0	75.5	
	100%	78.5	75.3	
Power Factor	25%			
	50%	0.54	0.56	
	75%	0.67	0.70	
	100%	0.76	0.79	
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 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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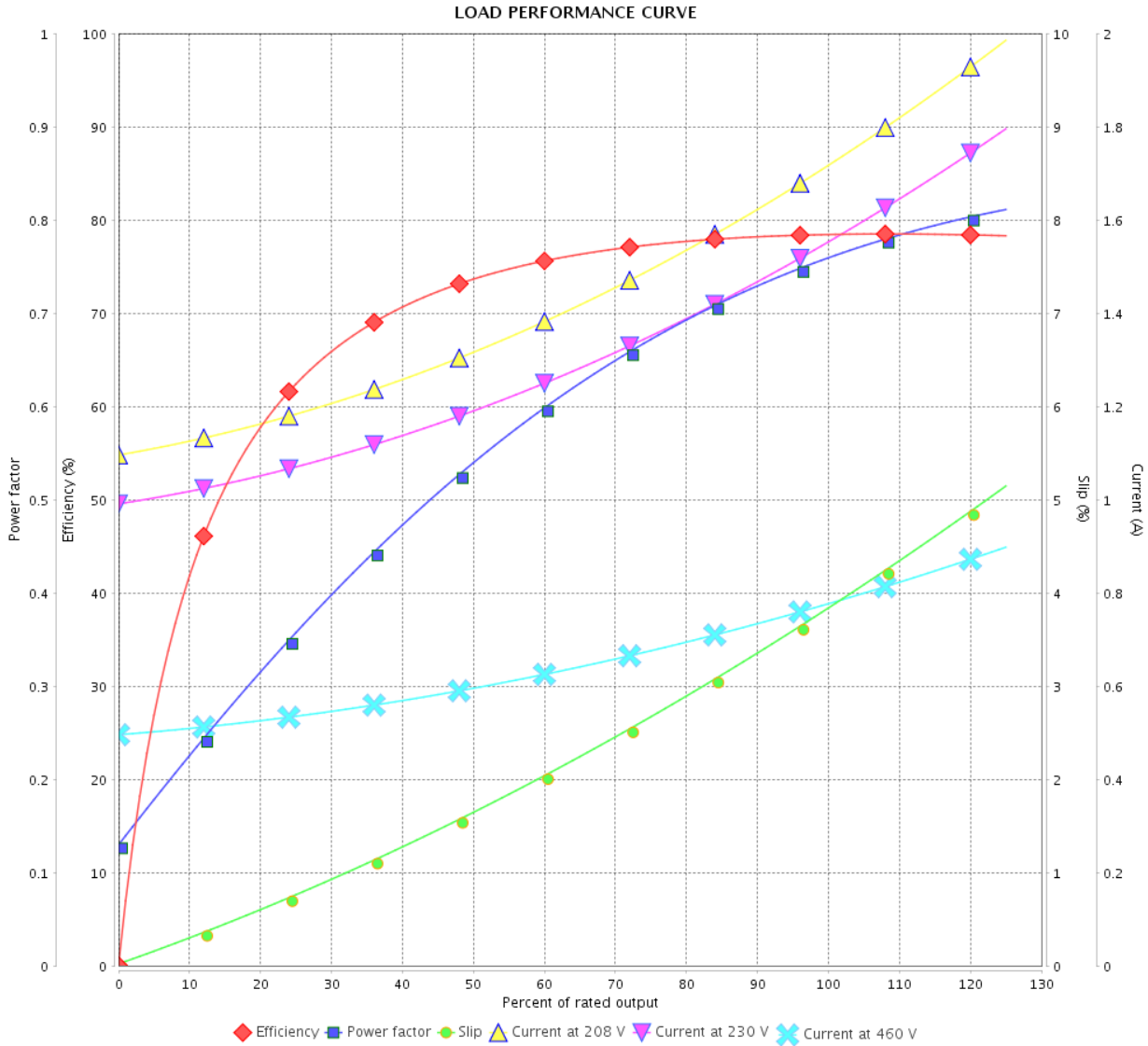
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13989584



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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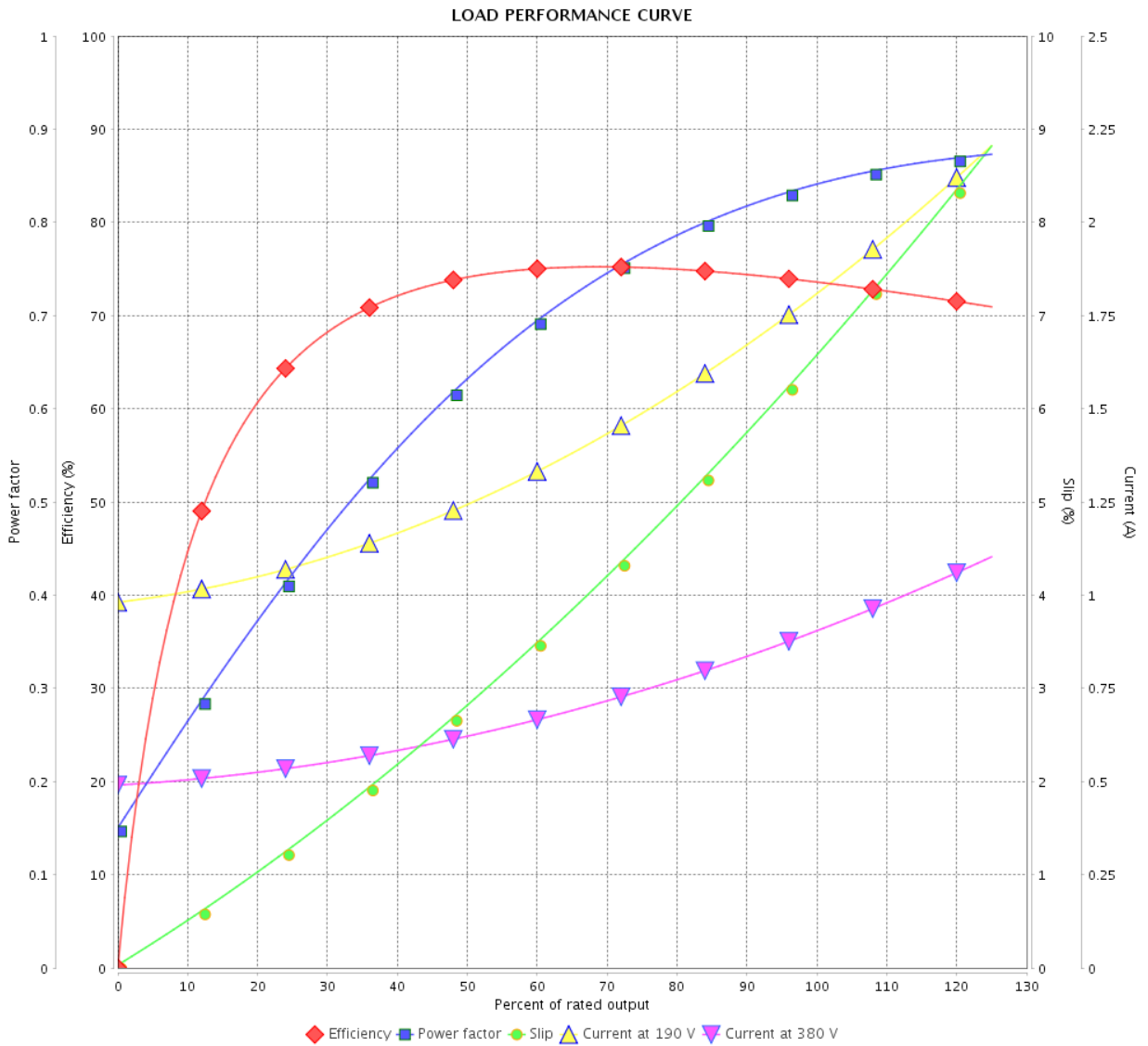
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13989584



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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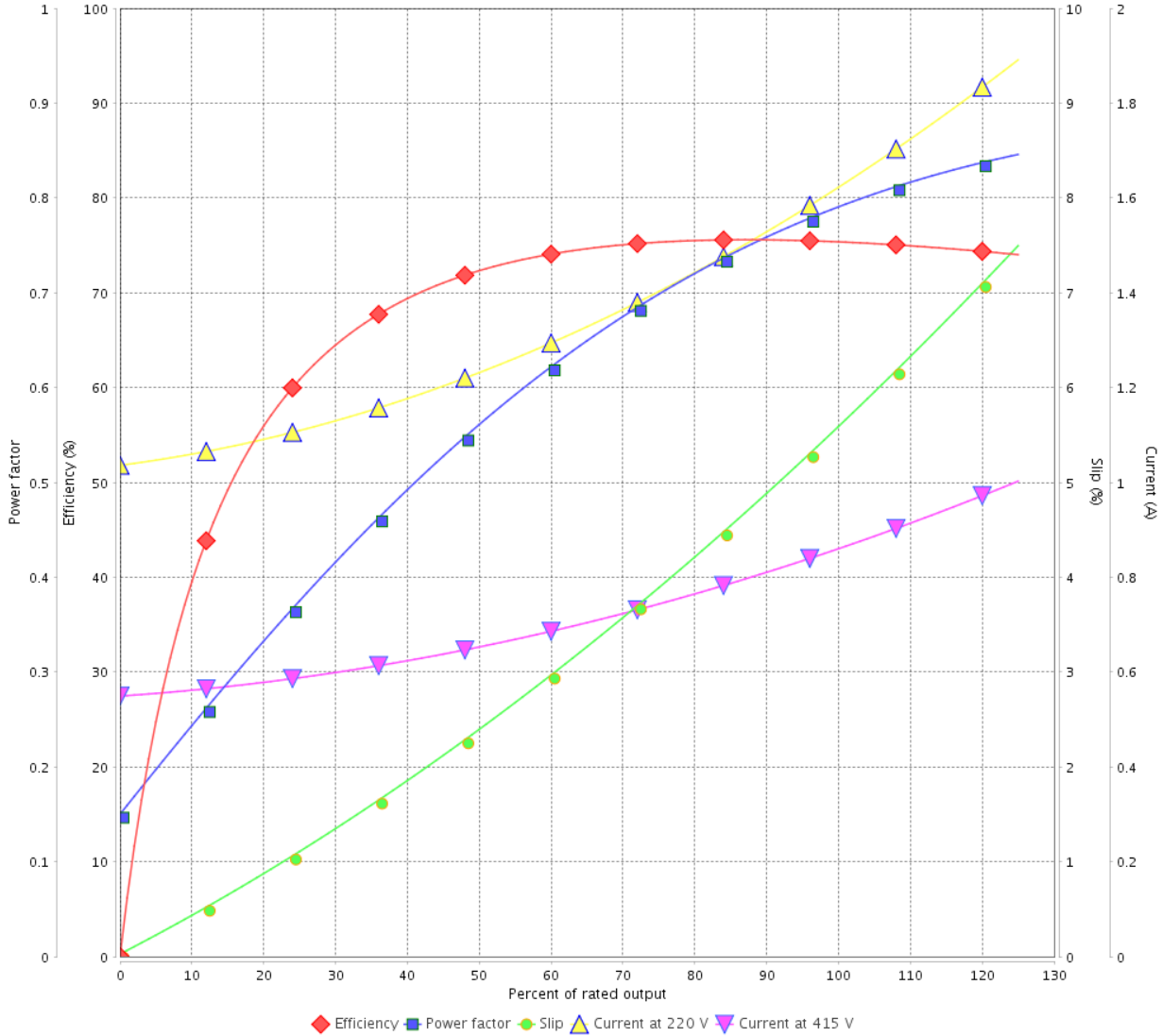


Customer :

Product line : Three-Phase

Product code : 13989584

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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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