

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Premium Efficiency Three-Phase	Product code :	14751888	
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 ³	: 8.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0009 kgm ²		
Output [HP]	0.75	0.75	0.75		
Poles	2	2	2		
Frequency [Hz]	60	50	50		
Rated voltage [V]	208-230/460	190-220/380	415		
Rated current [A]	2.48-2.24/1.12	2.60-2.25/1.30	1.24		
L. R. Amperes [A]	20.1-18.1/9.07	15.6-13.5/7.80	8.68		
LRC [A]	8.1x(Code L)	6.0x(Code H)	7.0x(Code K)		
No load current [A]	1.07-1.24/0.622	1.22-1.05/0.609	0.727		
Rated speed [RPM]	3440	2770	2810		
Slip [%]	4.44	7.67	6.33		
Rated torque [kgfm]	0.158	0.196	0.194		
Locked rotor torque [%]	350	260	310		
Breakdown torque [%]	360	240	290		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	28s (cold) 16s (hot)	28s (cold) 16s (hot)	21s (cold) 12s (hot)		
Noise level ²	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)		
Efficiency (%)	25%				
	50%	70.0	74.9	73.1	
	75%	75.5	77.0	76.8	
	100%	77.0	75.9	77.2	
Power Factor	25%				
	50%	0.62	0.69	0.61	
	75%	0.74	0.81	0.74	
	100%	0.80	0.85	0.80	
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 13 kgf	
			Max. compression	: 22 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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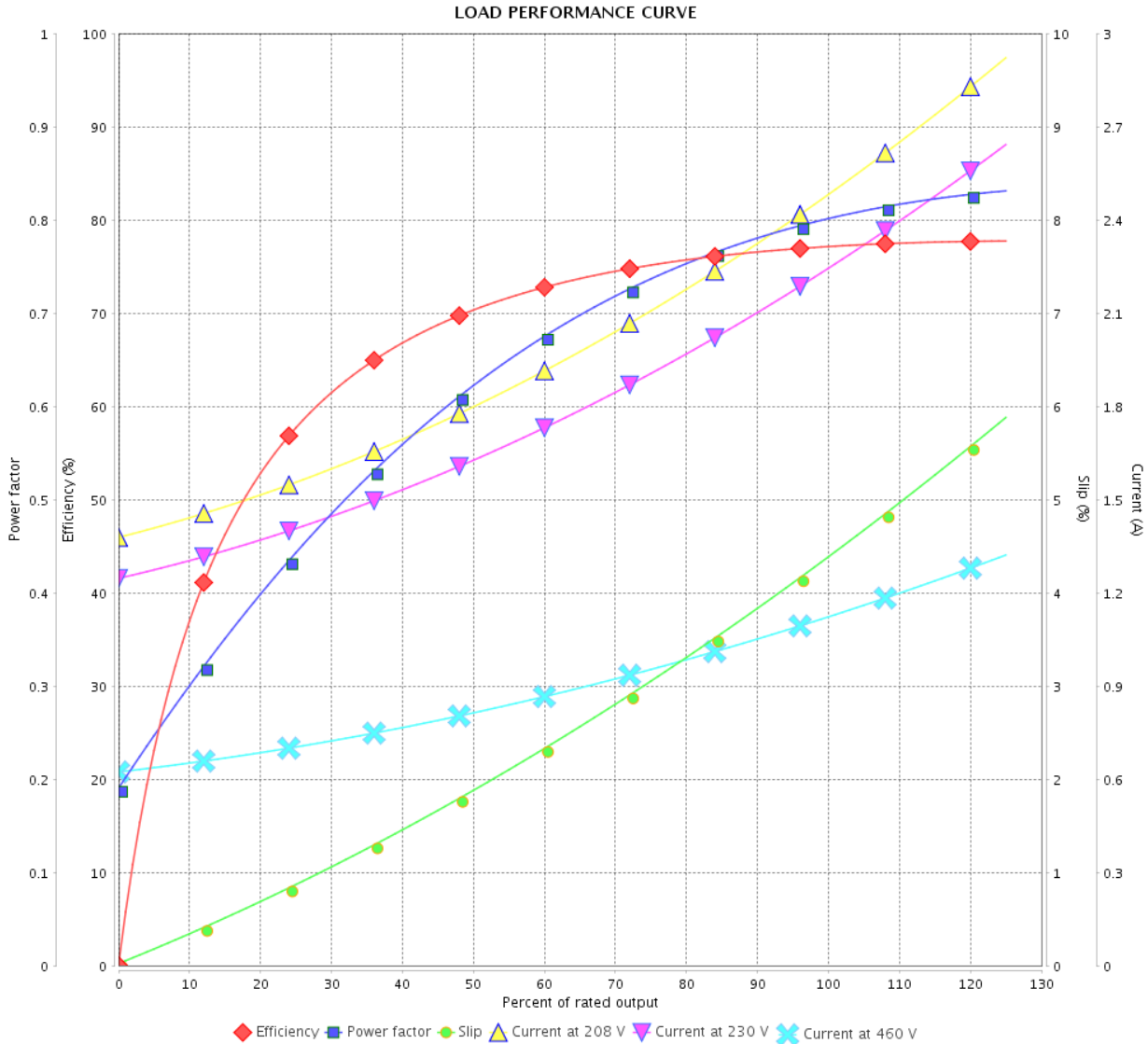
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14751888



Performance : 208-230/460 V 60 Hz 2P

Rated current : 2.48-2.24/1.12 A
 LRC : 8.1
 Rated torque : 0.158 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 360 %
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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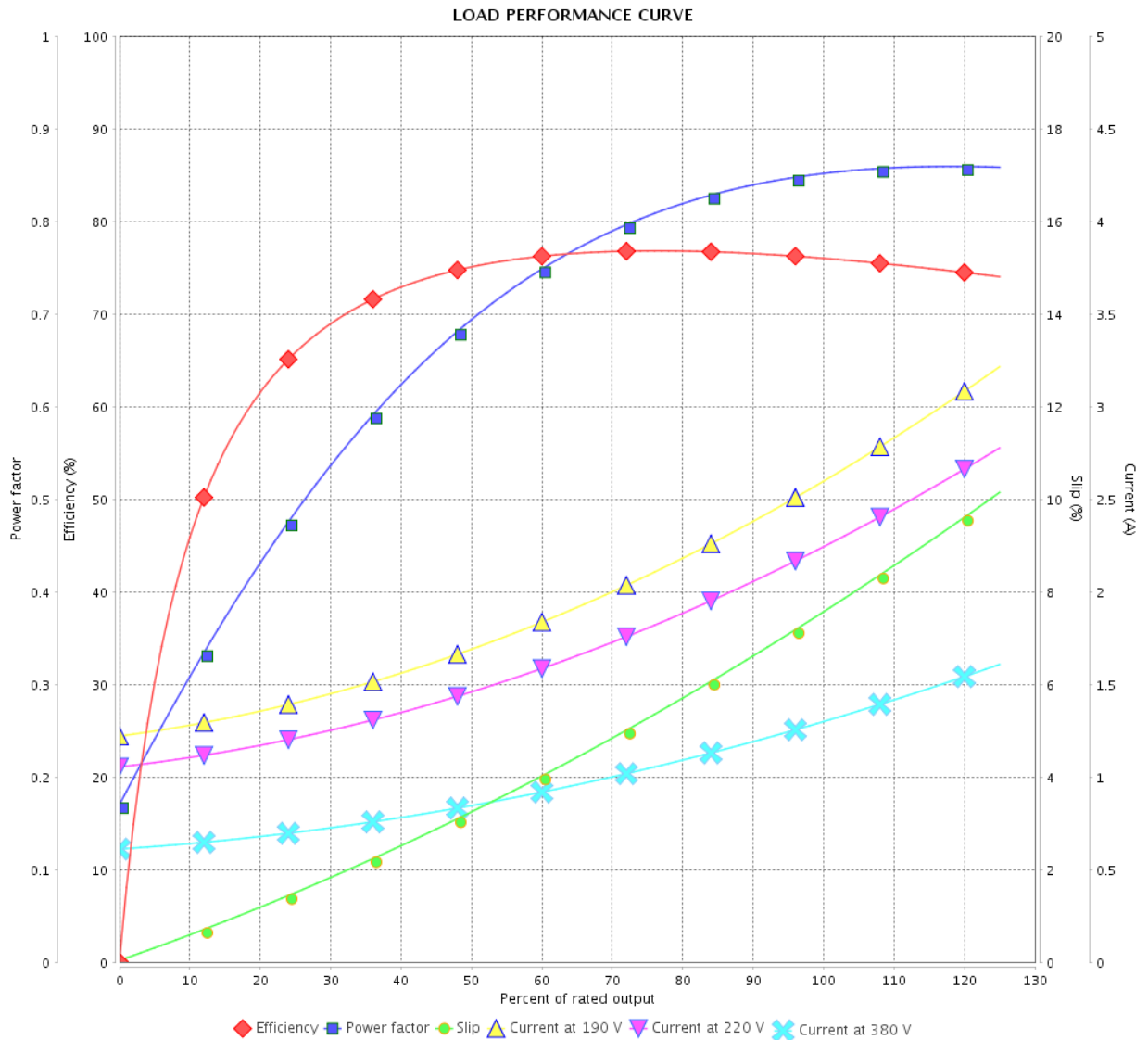
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 14751888



Performance : 190-220/380 V 50 Hz 2P

Rated current : 2.60-2.25/1.30 A
 LRC : 6.0
 Rated torque : 0.196 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 240 %
 Rated speed : 2770 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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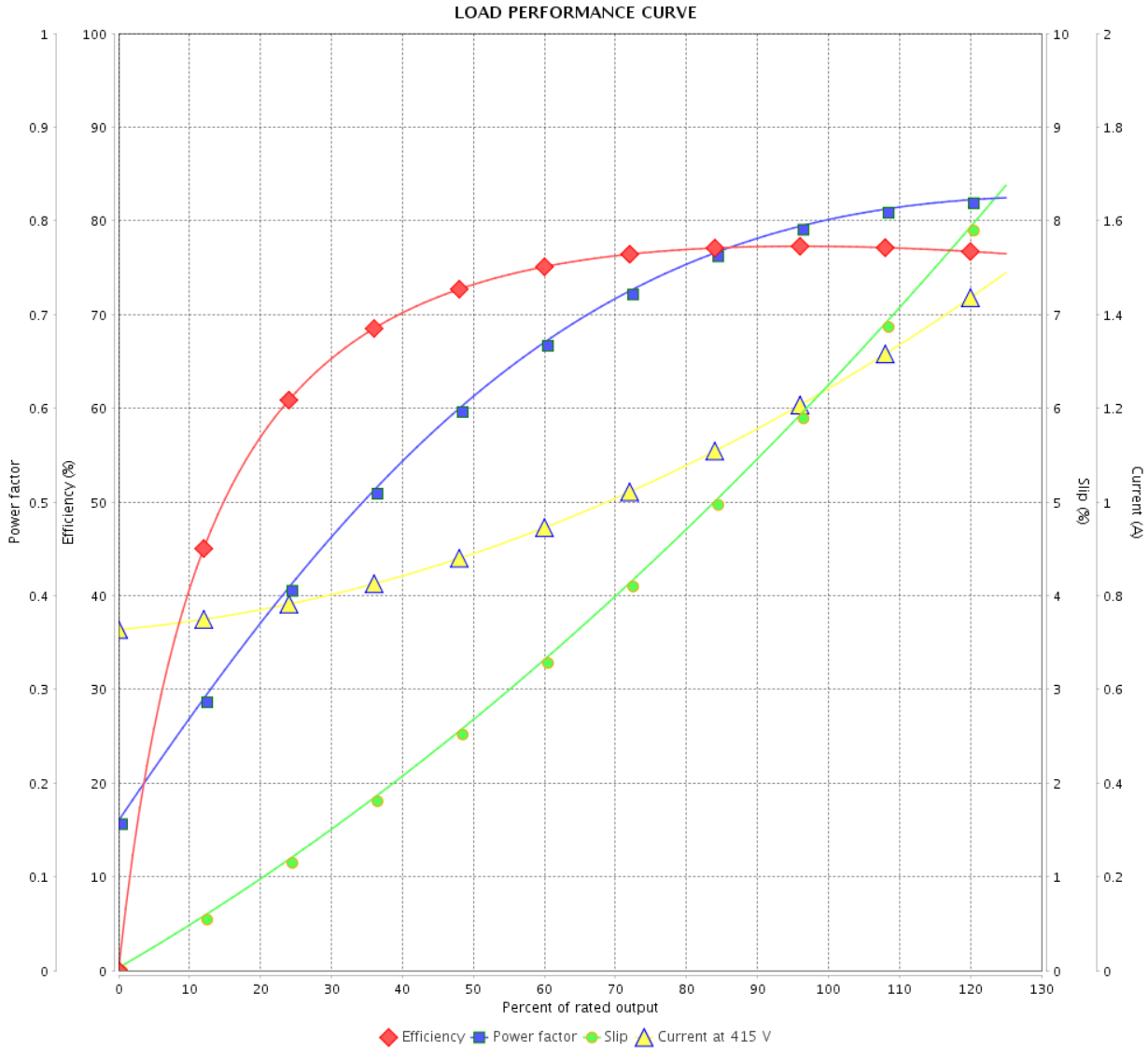
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14751888



Performance : 415 V 50 Hz 2P

Rated current : 1.24 A
 LRC : 7.0
 Rated torque : 0.194 kgfm
 Locked rotor torque : 310 %
 Breakdown torque : 290 %
 Rated speed : 2810 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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