

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Standard Efficiency Three-Phase	Product code :	13417432	
Frame	: 56H	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	: 18.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0054 kgm ²		
Design	: A				
Output [HP]	3	2	2		
Poles	2	2	2		
Frequency [Hz]	60	50	50		
Rated voltage [V]	230/460	190/380	220/415		
Rated current [A]	7.52/3.76	6.12/3.06	5.60/2.97		
L. R. Amperes [A]	63.9/32.0	60.0/30.0	62.2/33.0		
LRC [A]	8.5x(Code K)	9.8x(Code L)	11.1x(Code N)		
No load current [A]	2.80/1.40	2.72/1.36	3.17/1.68		
Rated speed [RPM]	3480	2905	2920		
Slip [%]	3.33	3.17	2.67		
Rated torque [kgfm]	0.626	0.500	0.497		
Locked rotor torque [%]	270	330	400		
Breakdown torque [%]	280	370	450		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	10s (cold) 6s (hot)	12s (cold) 7s (hot)	10s (cold) 6s (hot)		
Noise level ²	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)		
Efficiency (%)	25%				
	50%	80.0	80.9	78.7	
	75%	81.5	83.5	82.5	
	100%	81.5	83.7	83.6	
Power Factor	25%				
	50%	0.76	0.73	0.63	
	75%	0.86	0.83	0.76	
	100%	0.90	0.89	0.84	
Bearing type	: Drive end : 6204 ZZ Non drive end : 6202 ZZ	Foundation loads			
Sealing	: V'Ring V'Ring	Max. traction	: 63 kgf		
Lubrication interval	: - -	Max. compression	: 81 kgf		
Lubricant amount	: - -				
Lubricant type	: Mobil Polyrex EM				
Notes USABLE @208V 8.32A SF 1.00 SFA 8.32A					
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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
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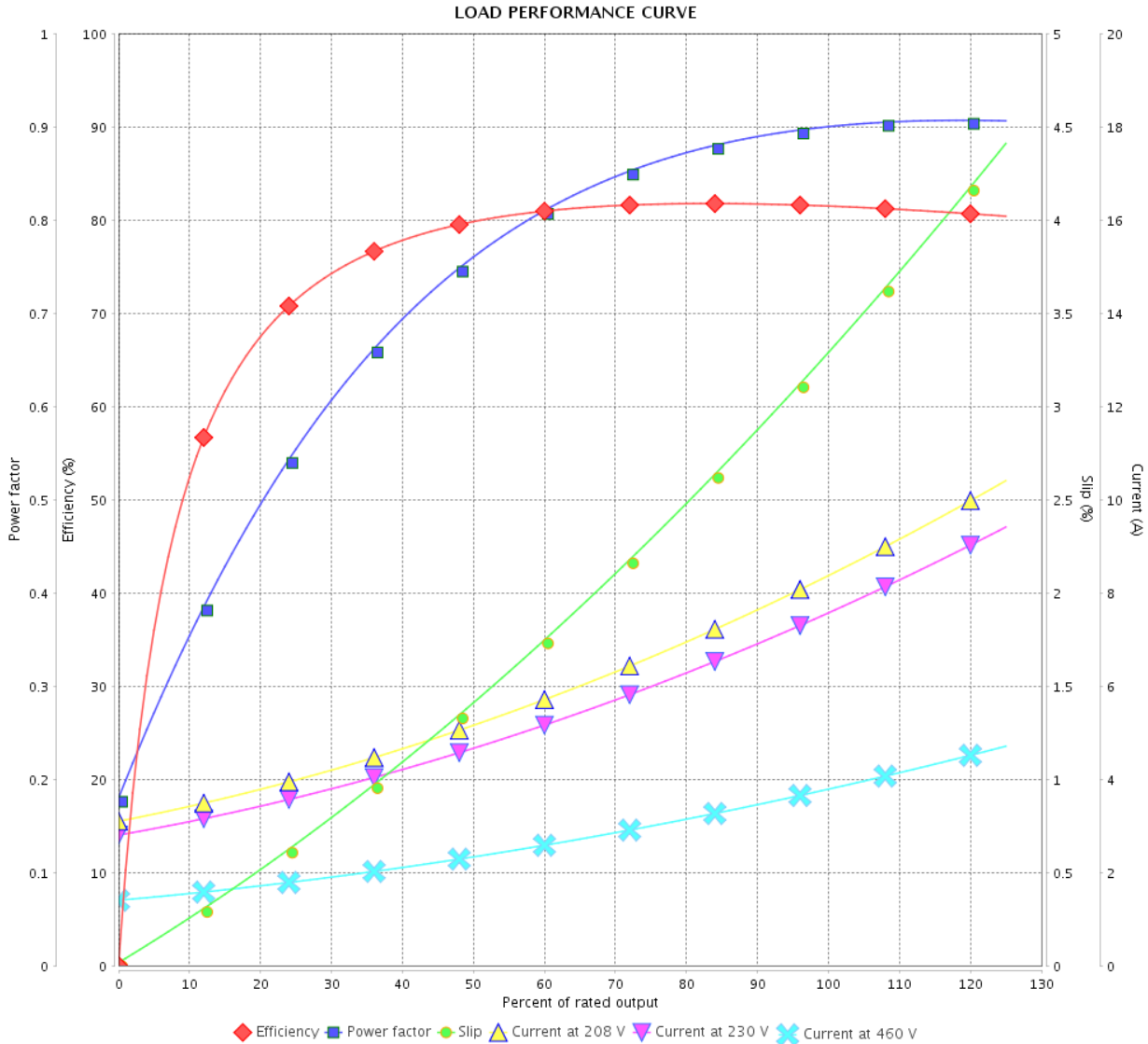
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13417432



Performance : 230/460 V 60 Hz 2P

Rated current : 7.52/3.76 A
 LRC : 8.5
 Rated torque : 0.626 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 280 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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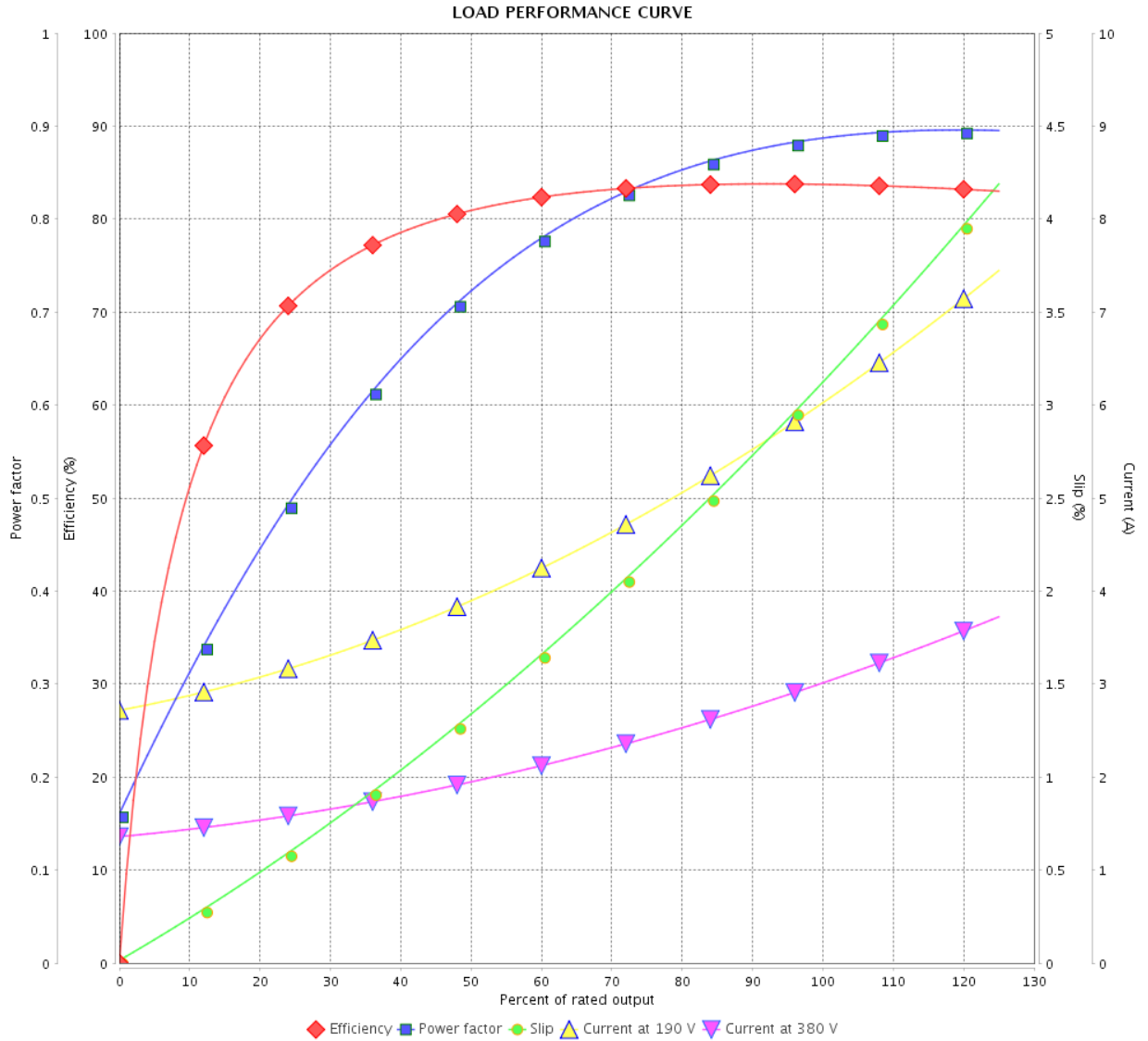
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13417432



Performance : 190/380 V 50 Hz 2P

Rated current : 6.12/3.06 A
 LRC : 9.8
 Rated torque : 0.500 kgfm
 Locked rotor torque : 330 %
 Breakdown torque : 370 %
 Rated speed : 2905 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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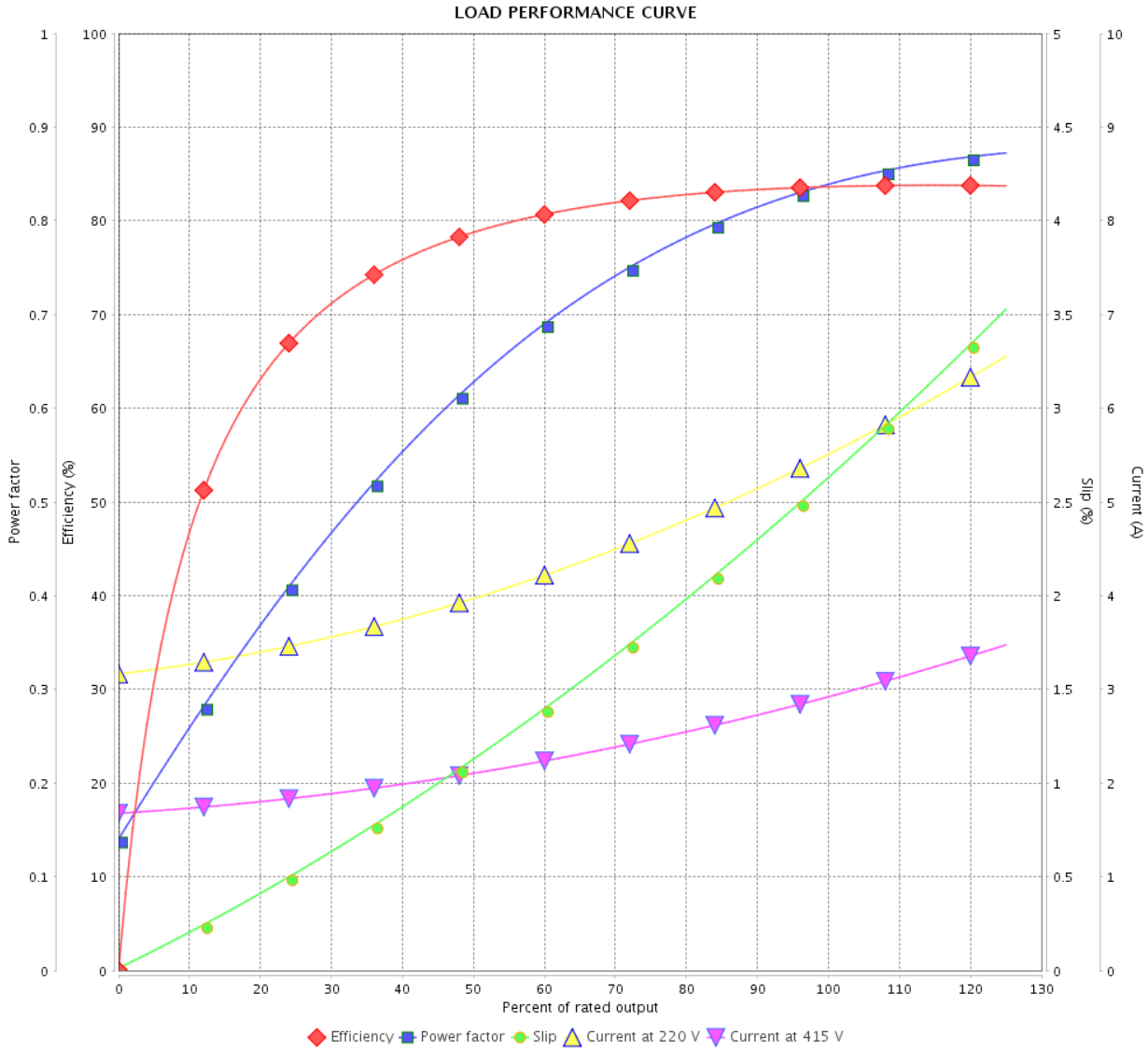
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13417432



Performance : 220/415 V 50 Hz 2P

Rated current : 5.60/2.97 A
 LRC : 11.1
 Rated torque : 0.497 kgfm
 Locked rotor torque : 400 %
 Breakdown torque : 450 %
 Rated speed : 2920 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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