

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Standard Efficiency Three-Phase			
Product code	: 12805247			
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : A	Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 18.4 kg Moment of inertia (J) : 0.0054 kgm ²			
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	7.52/3.76			
L. R. Amperes [A]	63.9/32.0			
LRC [A]	8.5x(Code K)			
No load current [A]	2.80/1.40			
Rated speed [RPM]	3480			
Slip [%]	3.33			
Rated torque [kgfm]	0.626			
Locked rotor torque [%]	270			
Breakdown torque [%]	280			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%	79.7		
	50%	80.0		
	75%	81.5		
	100%	81.5		
Power Factor	25%	0.50		
	50%	0.76		
	75%	0.86		
	100%	0.90		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 58 kgf Max. compression : 76 kgf			
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.				
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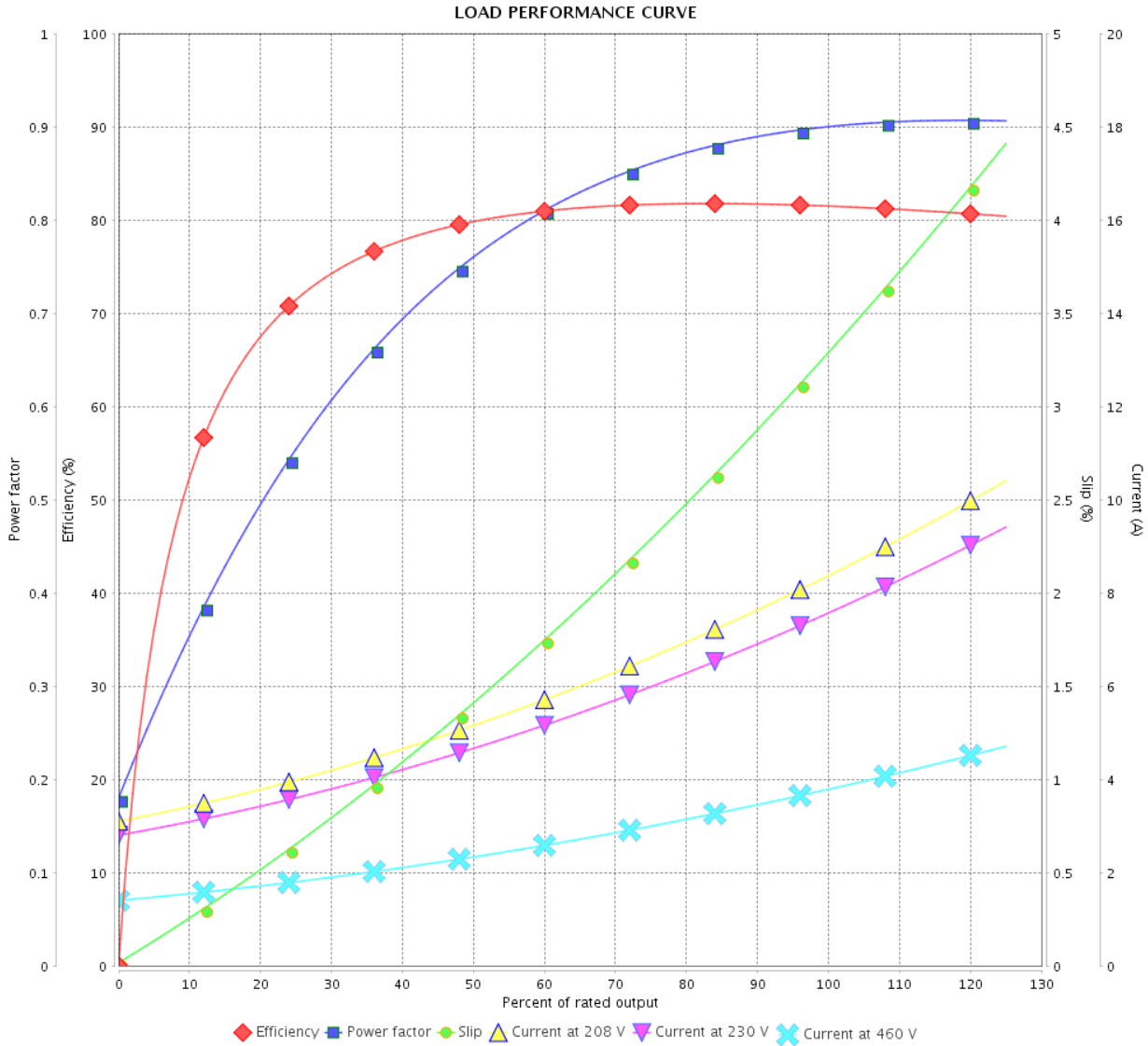
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12805247



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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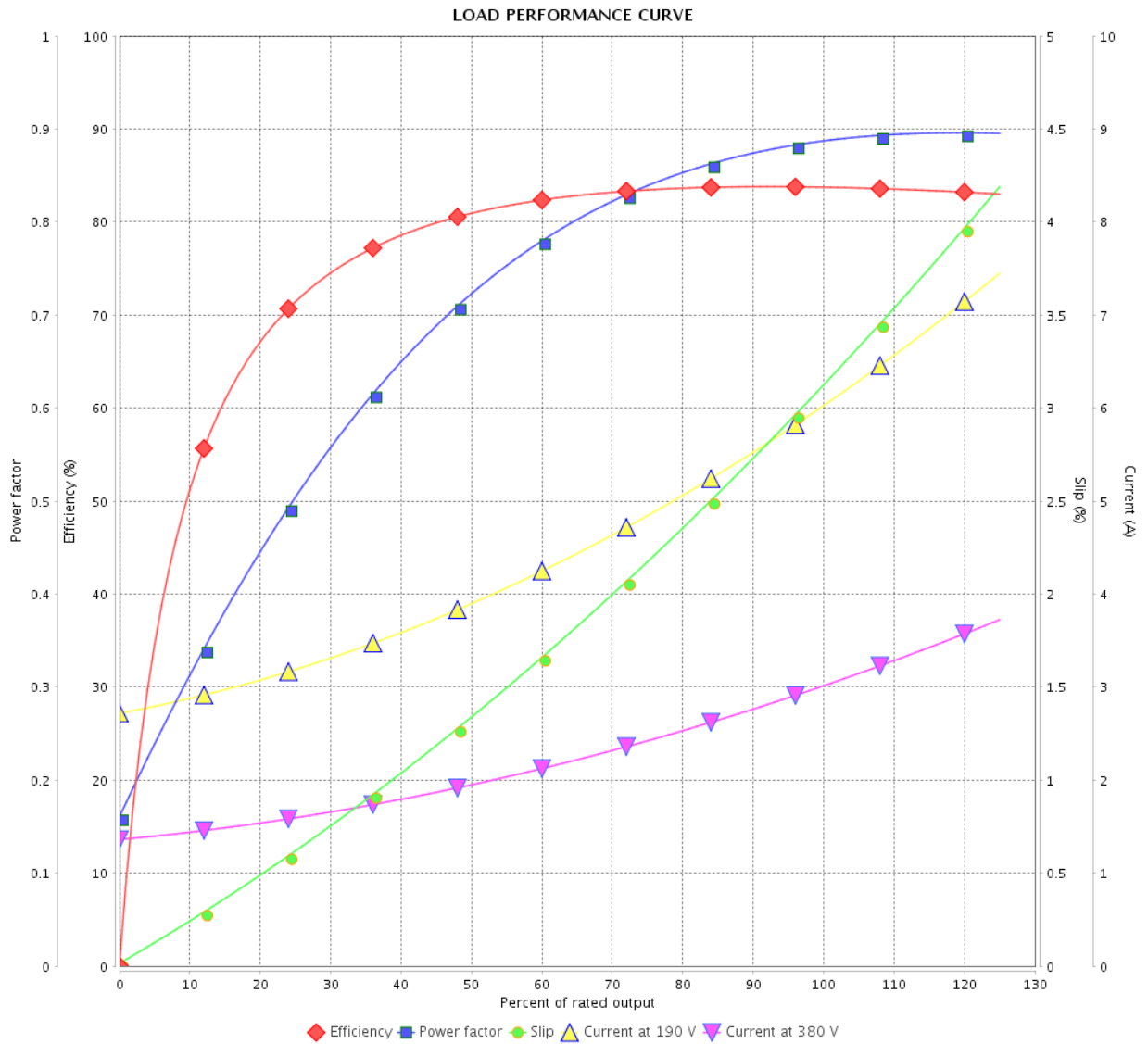
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 12805247



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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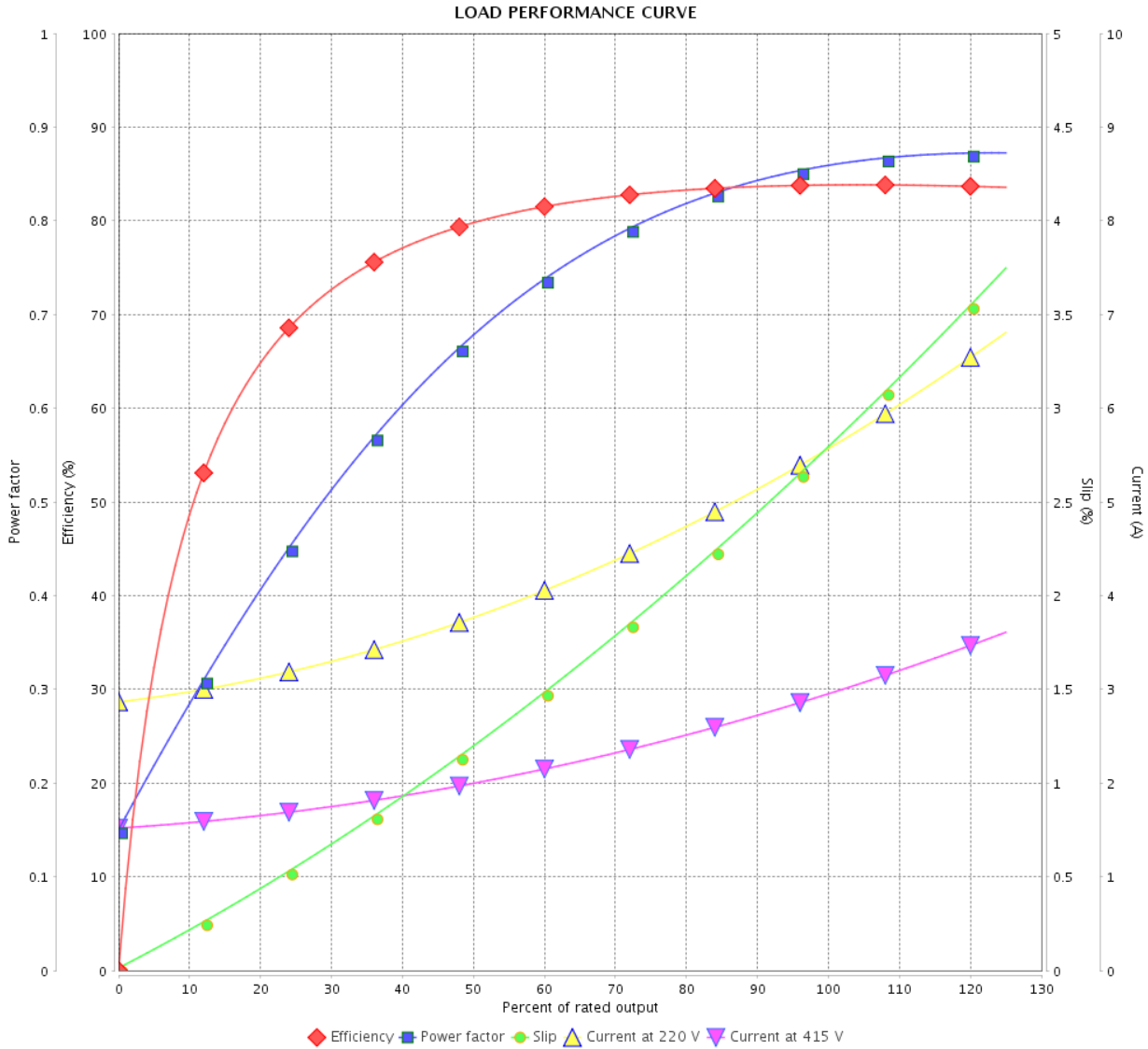
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 12805247



Performance : 220/415 V 50 Hz 2P

Rated current : 5.66/3.00 A
 LRC : 10.6
 Rated torque : 0.498 kgfm
 Locked rotor torque : 370 %
 Breakdown torque : 420 %
 Rated speed : 2915 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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