

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: NEMA Premium Efficiency Three-Phase	
Product code	: 12675357	
Frame	: 213/5TC	
Insulation class	: F	
Duty cycle	: Cont.(S1)	
Ambient temperature	: -20°C to +40°C	
Altitude	: 1000 m.a.s.l.	
Protection degree	: IP55	
Design	: B	
Cooling method	: IC411 - TEFC	
Mounting	: F-1	
Rotation ¹	: Both (CW and CCW)	
Starting method	: Direct On Line	
Approx. weight ³	: 78.4 kg	
Moment of inertia (J)	: 0.0303 kgm ²	
Output [HP]	10	
Poles	2	
Frequency [Hz]	60	
Rated voltage [V]	230/460	
Rated current [A]	23.0/11.5	
L. R. Amperes [A]	173/86.2	
LRC [A]	7.5x(Code H)	
No load current [A]	7.53/3.77	
Rated speed [RPM]	3530	
Slip [%]	1.94	
Rated torque [kgfm]	2.06	
Locked rotor torque [%]	260	
Breakdown torque [%]	300	
Service factor	1.15	
Temperature rise	80 K	
Locked rotor time	21s (cold) 12s (hot)	
Noise level ²	70.0 dB(A)	
Efficiency (%)	25%	89.3
	50%	89.5
	75%	90.2
	100%	90.2
Power Factor	25%	0.53
	50%	0.80
	75%	0.88
	100%	0.91
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 ZZ	
Sealing	: V'Ring Without Bearing Seal	
Lubrication interval	: -	
Lubricant amount	: -	
Lubricant type	: Mobil Polyrex EM	
Foundation loads	Max. traction : 80 kgf	
	Max. compression : 159 kgf	
Notes USABLE @208V 25.4A SF 1.00 SFA 25.4A		
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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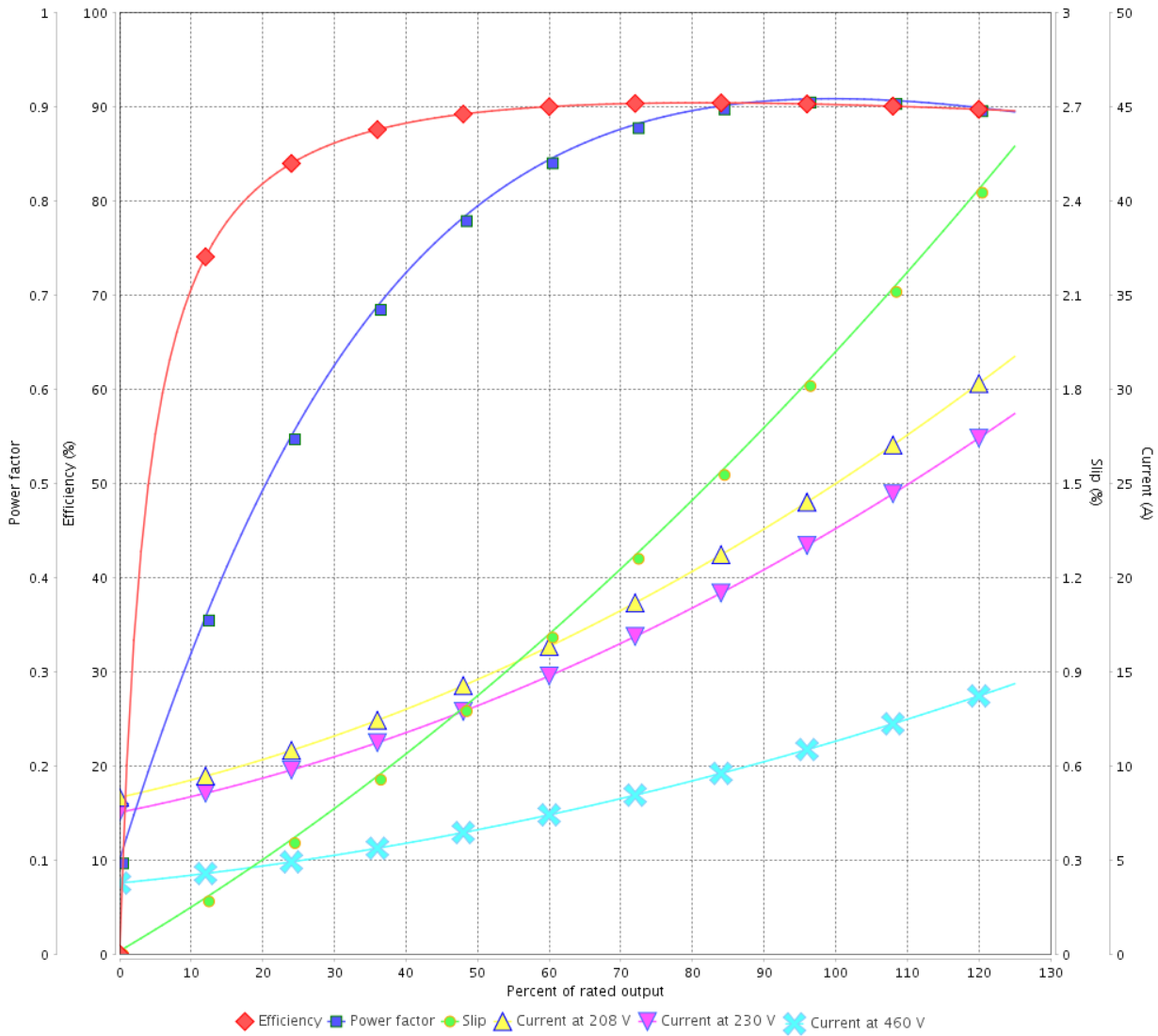
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675357

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Performance : 230/460 V 60 Hz 2P

Rated current : 23.0/11.5 A
 LRC : 7.5
 Rated torque : 2.06 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 3530 rpm

Moment of inertia (J) : 0.0303 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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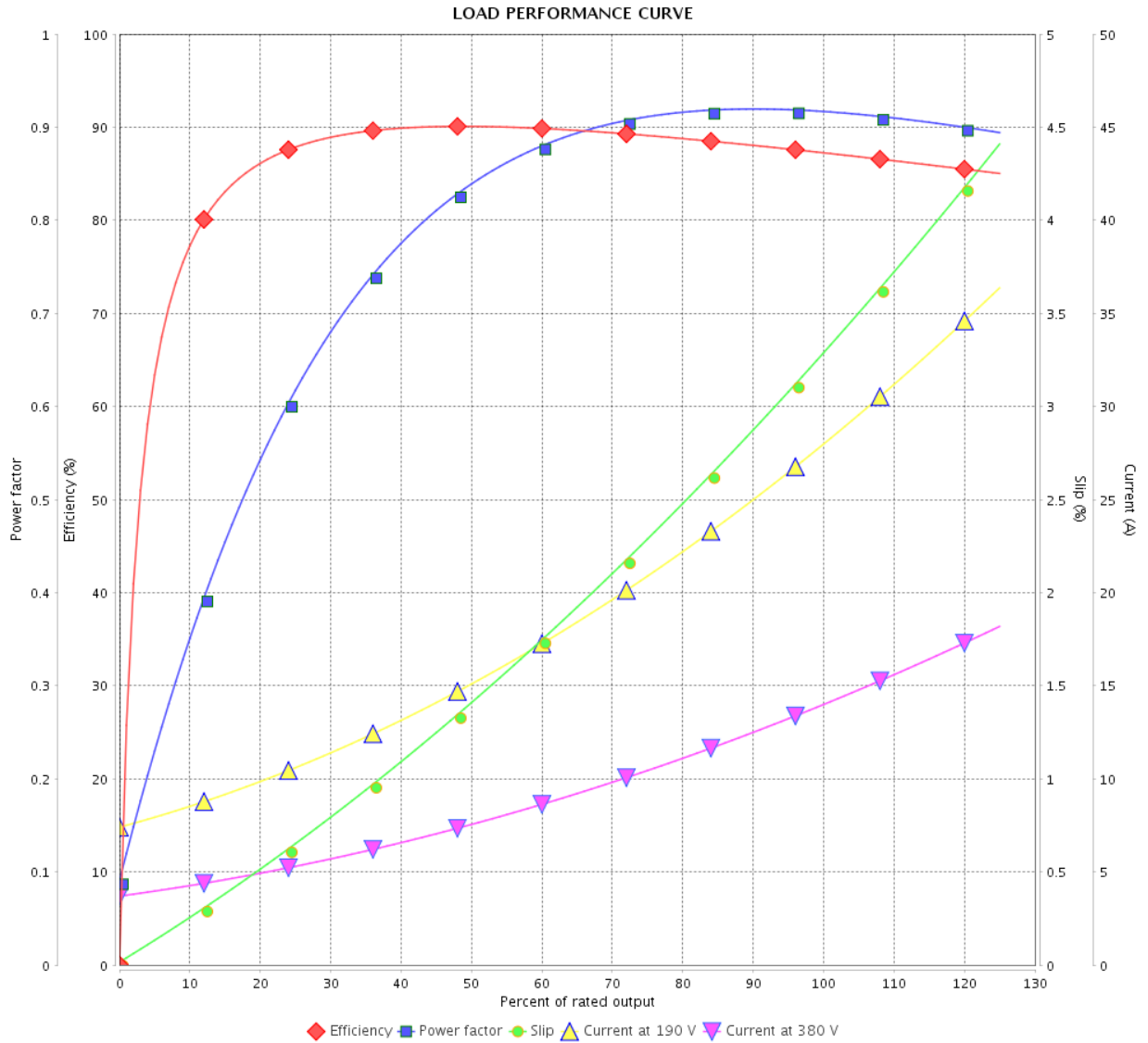
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675357



Performance : 190/380 V 50 Hz 2P

Rated current : 28.4/14.2 A
 LRC : 6.1
 Rated torque : 2.50 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 229 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0303 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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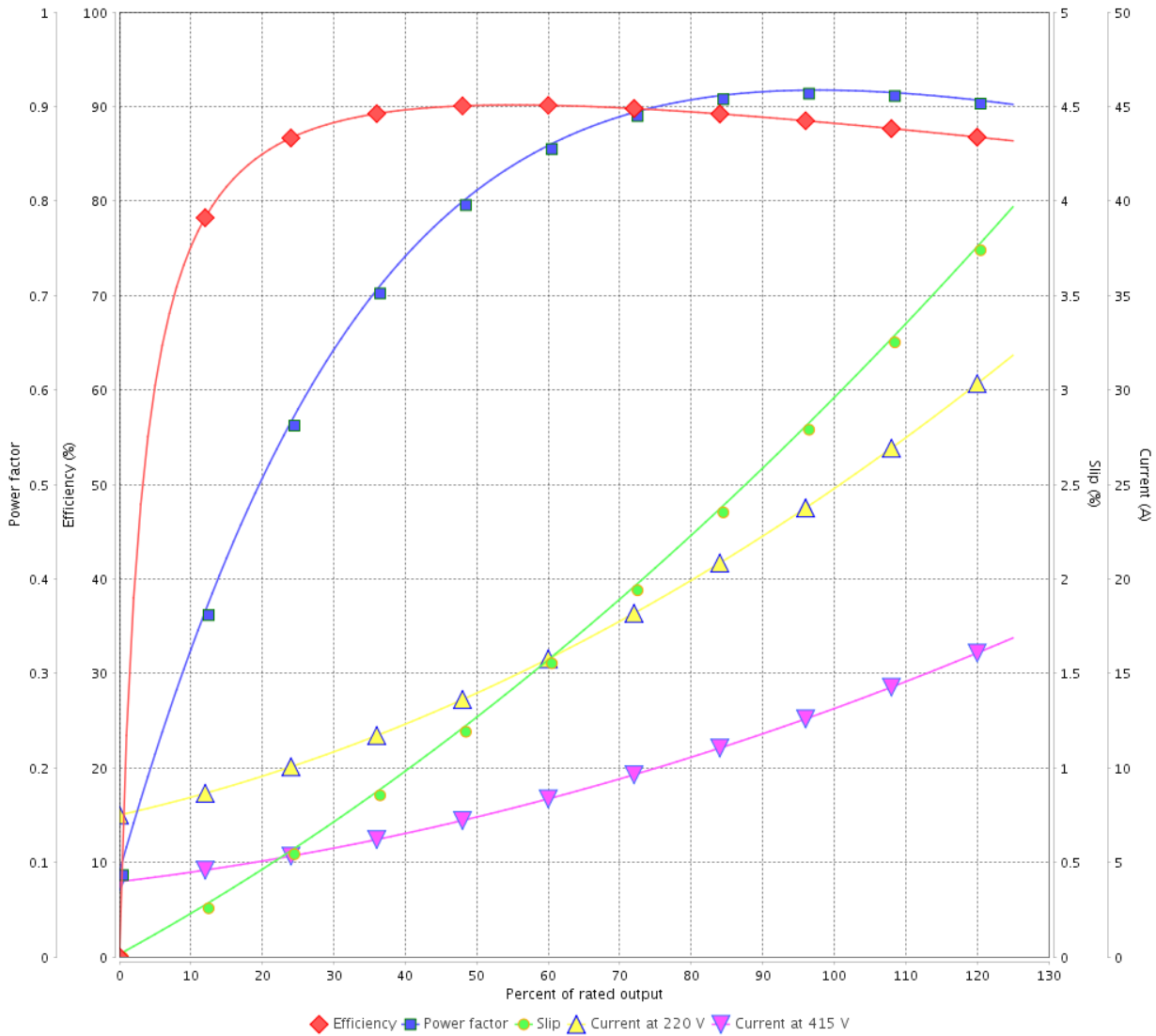
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675357

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Performance : 220/415 V 50 Hz 2P

Rated current : 25.1/13.3 A
 LRC : 6.8
 Rated torque : 2.49 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 260 %
 Rated speed : 2910 rpm

Moment of inertia (J) : 0.0303 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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