

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12630273	
Frame	: 213/5T	Cooling method	: IC01 - ODP	
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	: 60.0 kg	
Design	: B	Moment of inertia (J)	: 0.0232 kgm ²	
Output [HP]	15	15	15	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190/380	220/415	
Rated current [A]	34.4/17.2	42.0/21.0	37.9/20.1	
L. R. Amperes [A]	234/117	227/113	227/121	
LRC [A]	6.8x(Code G)	5.4x(Code E)	6.0x(Code F)	
No load current [A]	12.3/6.17	12.1/6.04	12.8/6.81	
Rated speed [RPM]	3535	2905	2910	
Slip [%]	1.81	3.17	3.00	
Rated torque [kgfm]	3.08	3.75	3.74	
Locked rotor torque [%]	210	160	180	
Breakdown torque [%]	280	200	229	
Service factor	1.15	1.00	1.00	
Temperature rise	80 K	105 K	80 K	
Locked rotor time	14s (cold) 8s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²	66.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
Efficiency (%)	25%	90.1	91.3	91.3
	50%	90.2	90.2	90.1
	75%	90.2	88.9	89.3
	100%	90.2	87.6	87.8
Power Factor	25%	0.50	0.57	0.52
	50%	0.77	0.83	0.79
	75%	0.86	0.89	0.87
	100%	0.89	0.91	0.90
Bearing type	: Drive end 6208 ZZ Non drive end 6206 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 129 kgf	
		Max. compression	: 189 kgf	
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 38.0A SF 1.00 SFA 38.0A				
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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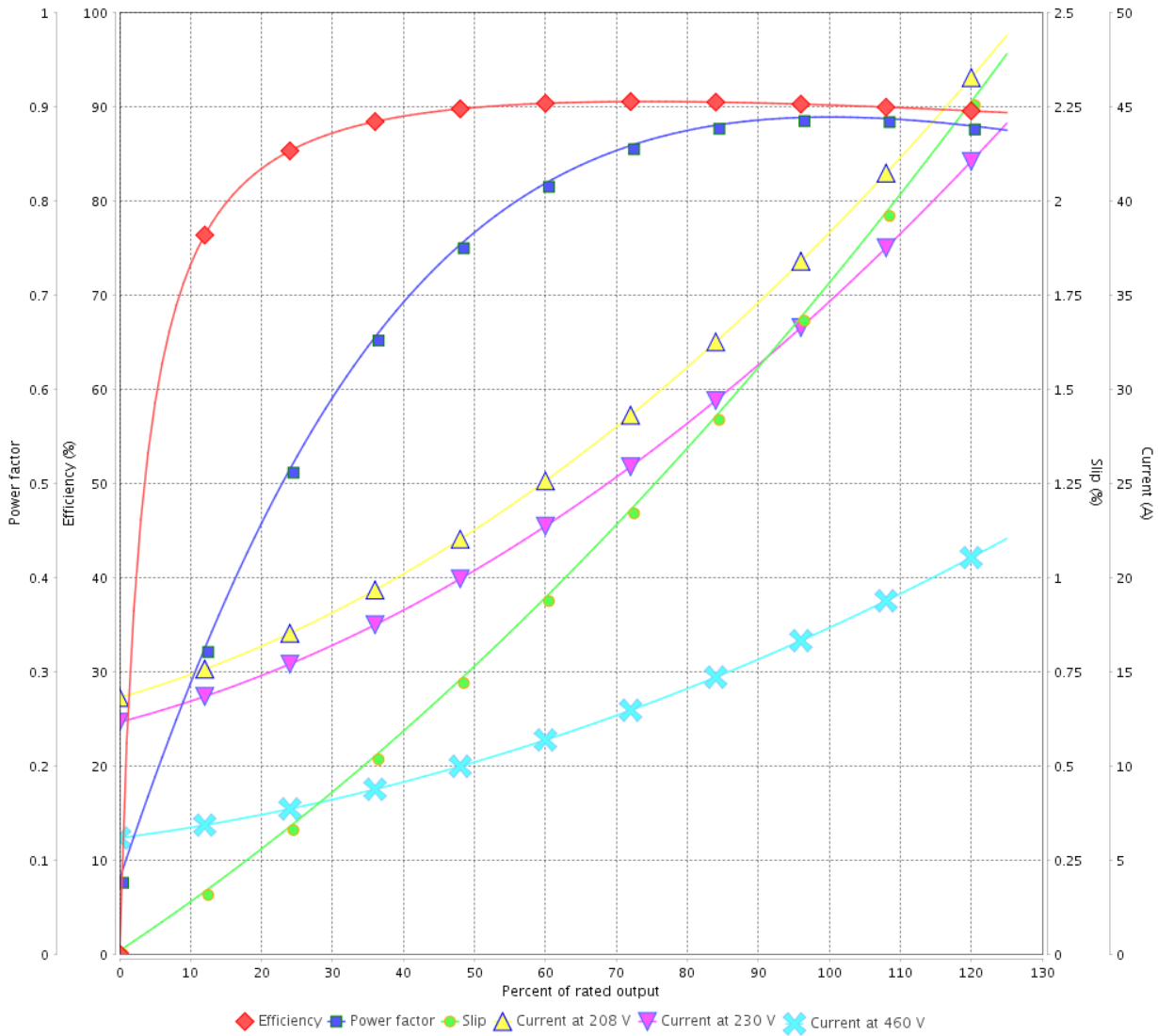
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12630273

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Performance : 230/460 V 60 Hz 2P

Rated current : 34.4/17.2 A
 LRC : 6.8
 Rated torque : 3.08 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 280 %
 Rated speed : 3535 rpm

Moment of inertia (J) : 0.0232 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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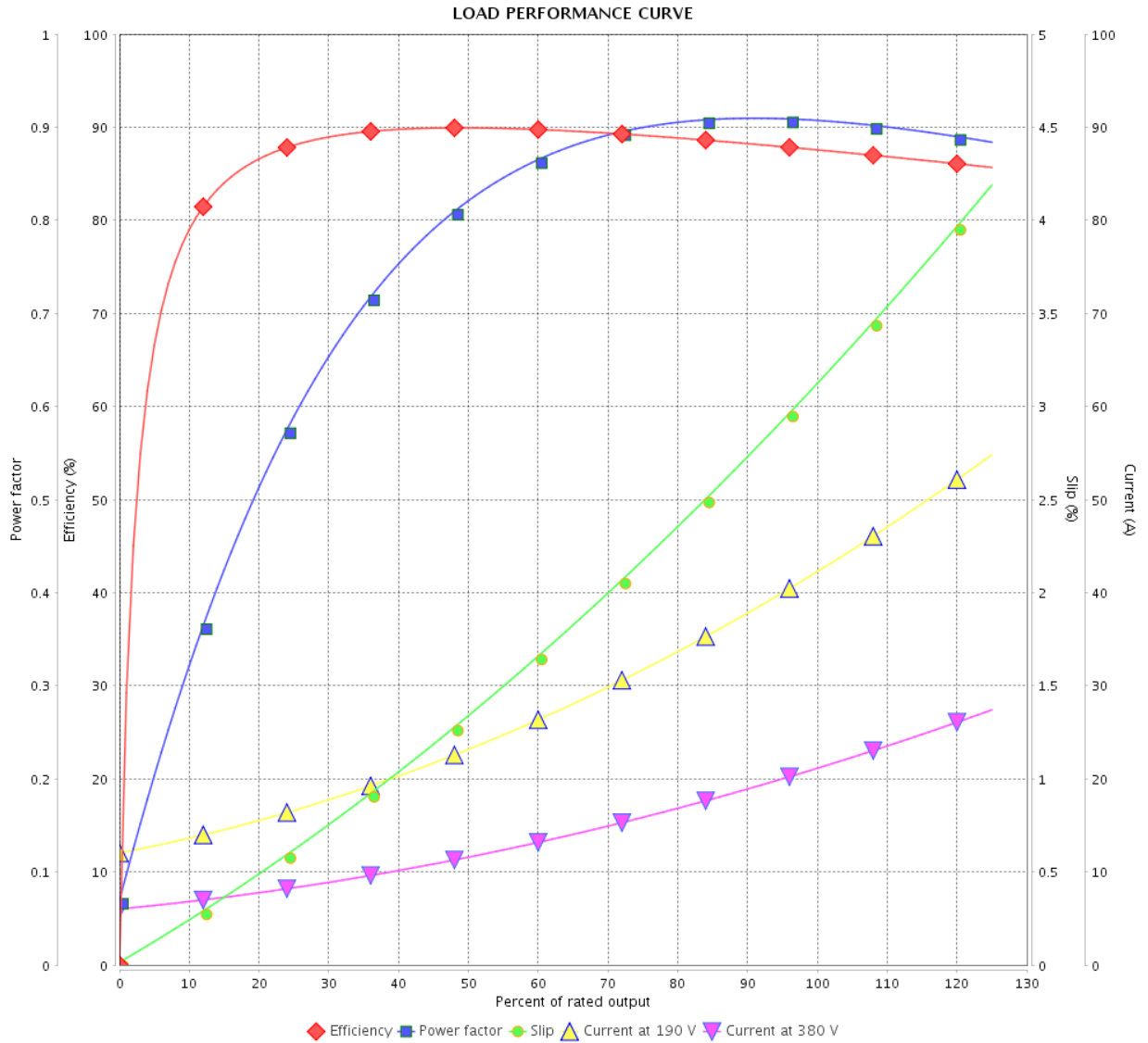
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

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Performance : 190/380 V 50 Hz 2P

Rated current : 42.0/21.0 A
 LRC : 5.4
 Rated torque : 3.75 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 200 %
 Rated speed : 2905 rpm

Moment of inertia (J) : 0.0232 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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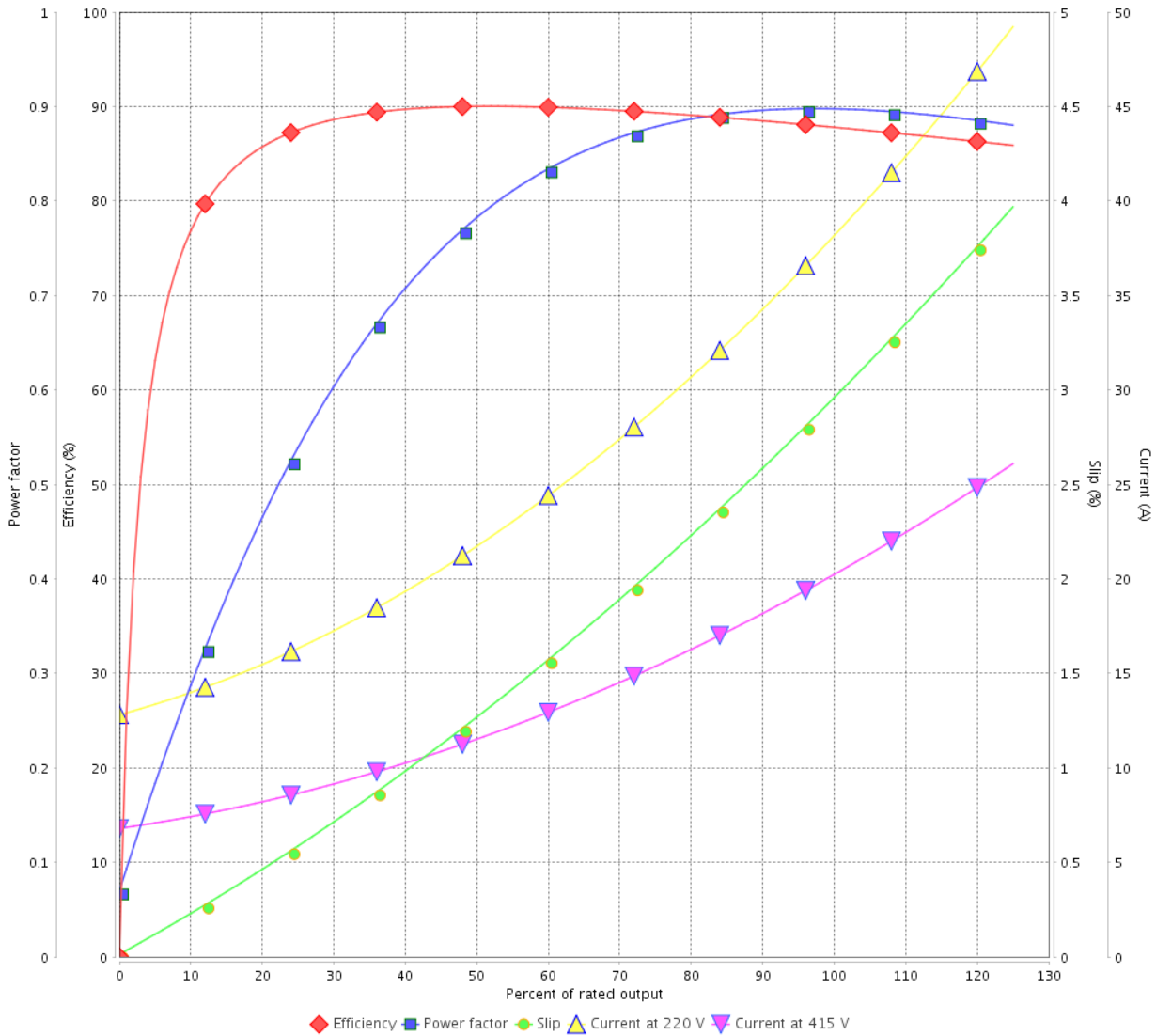
Three Phase Induction Motor - Squirrel Cage



Customer :

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Performance : 220/415 V 50 Hz 2P

Rated current	: 37.9/20.1 A	Moment of inertia (J)	: 0.0232 kgm ²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 3.74 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 2910 rpm	Design	: B

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