

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: NEMA Premium Efficiency Three-Phase
Product code :	12636473
Frame	: 254/6TC
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: B
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ²	: 92.2 kg
Moment of inertia (J)	: 0.0767 kgm ²
Output [HP]	15
Poles	4
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	37.2/18.6
L. R. Amperes [A]	249/125
LRC [A]	6.7x(Code H)
No load current [A]	19.0/9.50
Rated speed [RPM]	1775
Slip [%]	1.39
Rated torque [kgfm]	6.13
Locked rotor torque [%]	240
Breakdown torque [%]	300
Service factor	1.15
Temperature rise	80 K
Locked rotor time	30s (cold) 17s (hot)
Noise level ²	64.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3
Sealing	: Without Without
Lubrication interval	: 20000 h 20000 h
Lubricant amount	: 13 g 8 g
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 268 kgf
	Max. compression : 360 kgf
Notes	
USABLE @208V 41.1A SF 1.00 SFA 41.1A	
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 by	Performed
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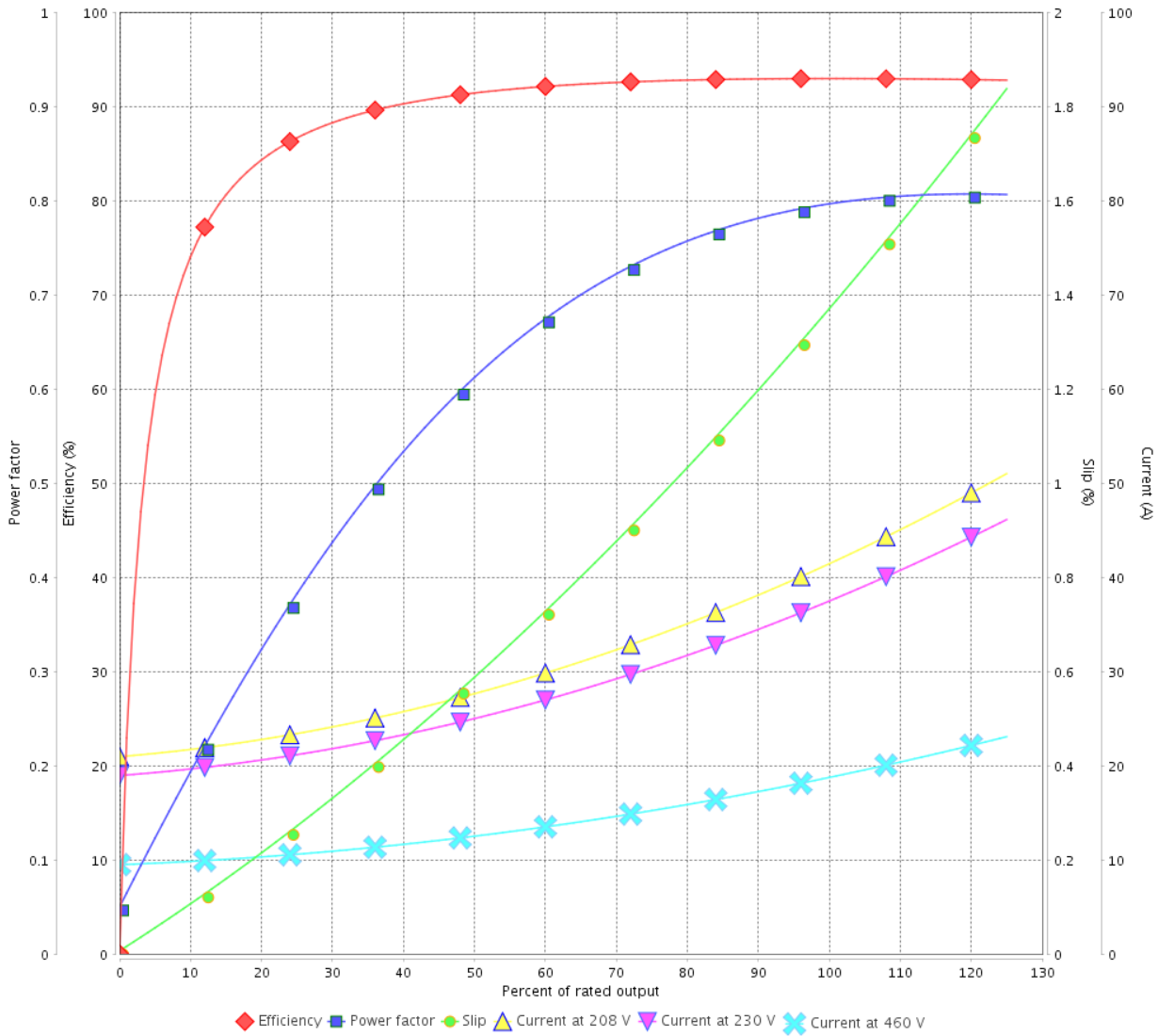
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12636473

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Performance : 230/460 V 60 Hz 4P

Rated current : 37.2/18.6 A
 LRC : 6.7
 Rated torque : 6.13 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1775 rpm

Moment of inertia (J) : 0.0767 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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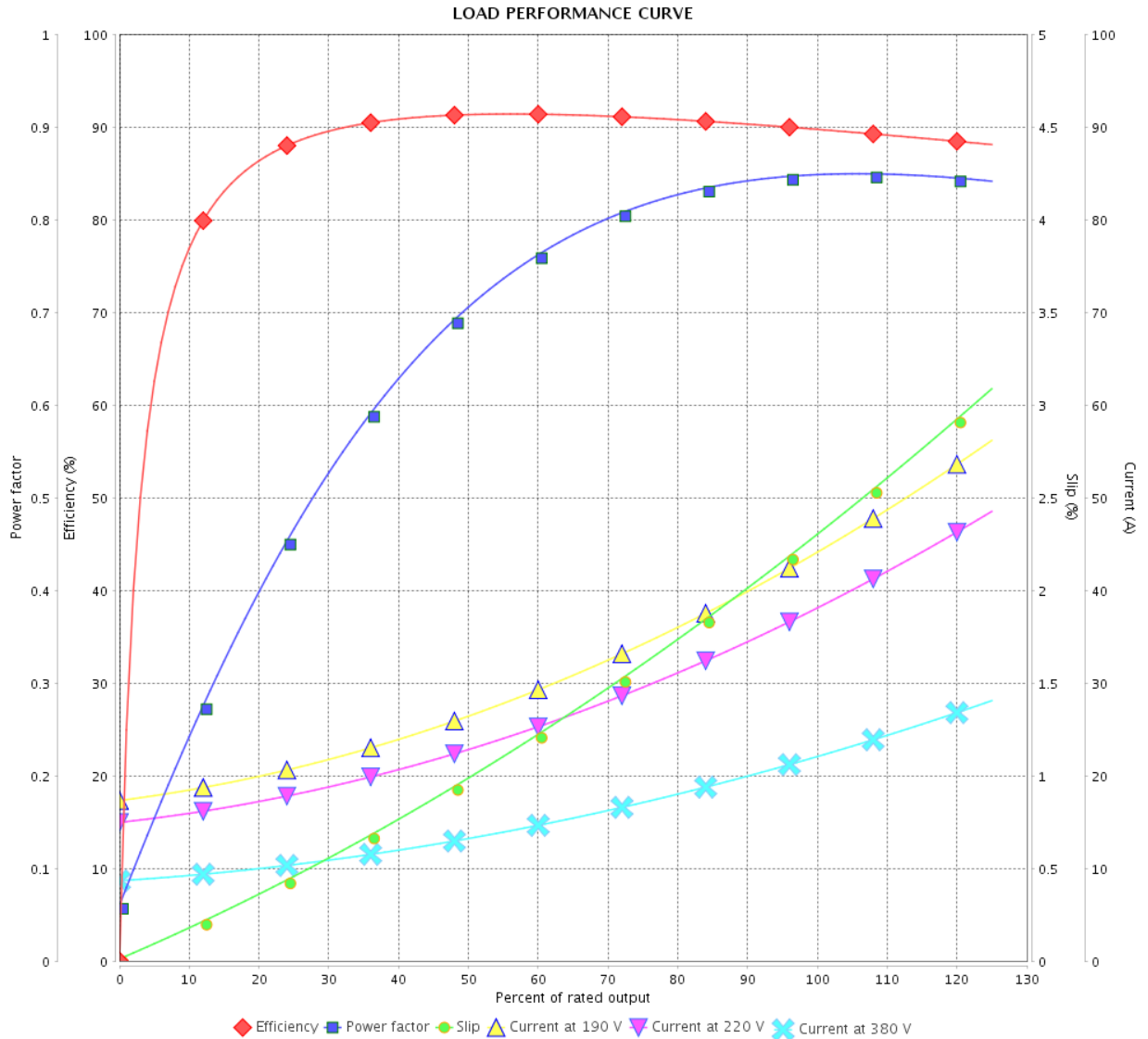
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 12636473



Performance : 190-220/380 V 50 Hz 4P

Rated current : 43.8-37.8/21.9 A
 LRC : 5.4
 Rated torque : 7.43 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 1465 rpm

Moment of inertia (J) : 0.0767 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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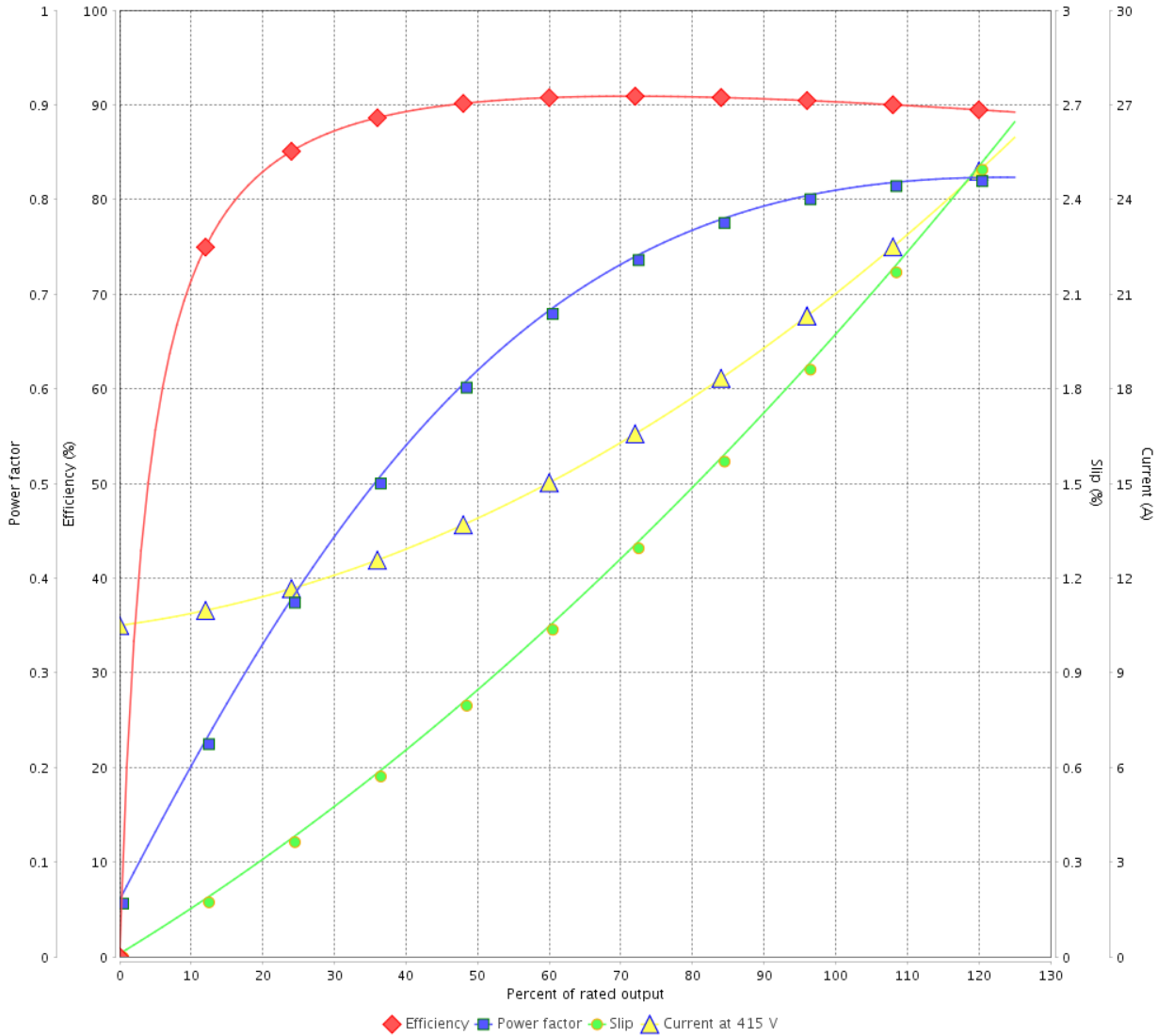
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 12636473

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Performance : 415 V 50 Hz 4P

Rated current	: 20.9 A	Moment of inertia (J)	: 0.0767 kgm ²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 7.41 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1470 rpm	Design	: B

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