

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :	
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase
Product code :	12385057
Frame	: 254/6T
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP56
Design	: B
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ³	: 136 kg
Moment of inertia (J)	: 0.1652 kgm ²
Output [HP]	7.5
Poles	6
Frequency [Hz]	60
Rated voltage [V]	460
Rated current [A]	9.48
L. R. Amperes [A]	63.5
LRC [A]	6.7x(Code H)
No load current [A]	4.50
Rated speed [RPM]	1175
Slip [%]	2.08
Rated torque [kgfm]	4.63
Locked rotor torque [%]	240
Breakdown torque [%]	290
Service factor	1.25
Temperature rise	80 K
Locked rotor time	54s (cold) 30s (hot)
Noise level ²	59.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Losses at normative operating points (speed;torque), in percentage of rated output power	
Losses (%)	P1 (0,9;1,0)
	P2 (0,5;1,0)
	P3 (0,25;1,0)
	P4 (0,9;0,5)
	P5 (0,5;0,5)
	P6 (0,5;0,25)
	P7 (0,25;0,25)
Bearing type	: Drive end 6309 C3 Non drive end 6209 C3
Sealing	: Inpro/Seal Inpro/Seal
Lubrication interval	: 20000 h 20000 h
Lubricant amount	: 13 g 9 g
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 151 kgf
	Max. compression : 287 kgf
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.	
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
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Customer : _____

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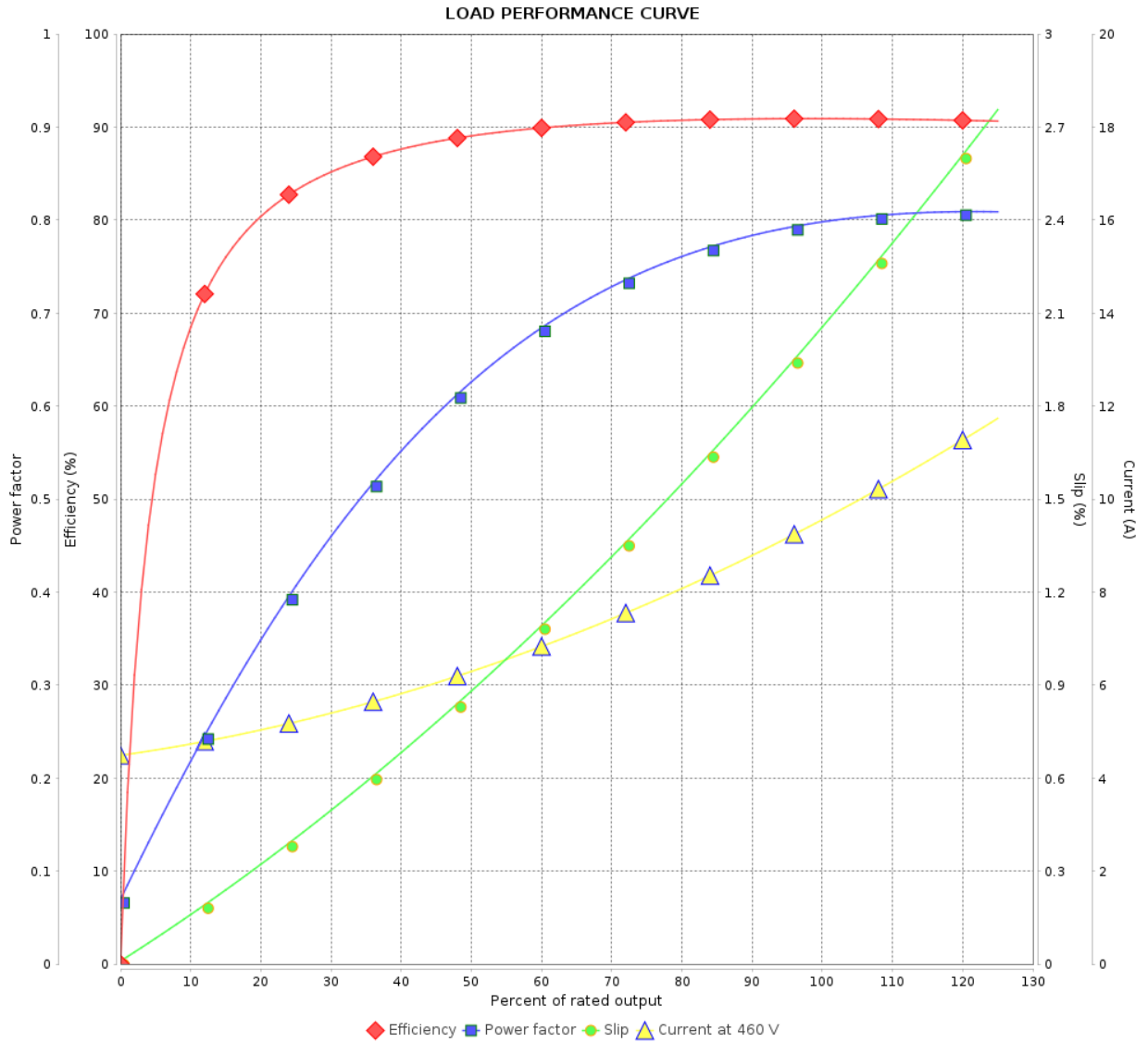
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase

Product code : 12385057



Performance : 460 V 60 Hz 6P

Rated current : 9.48 A
 LRC : 6.7
 Rated torque : 4.63 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 290 %
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.1652 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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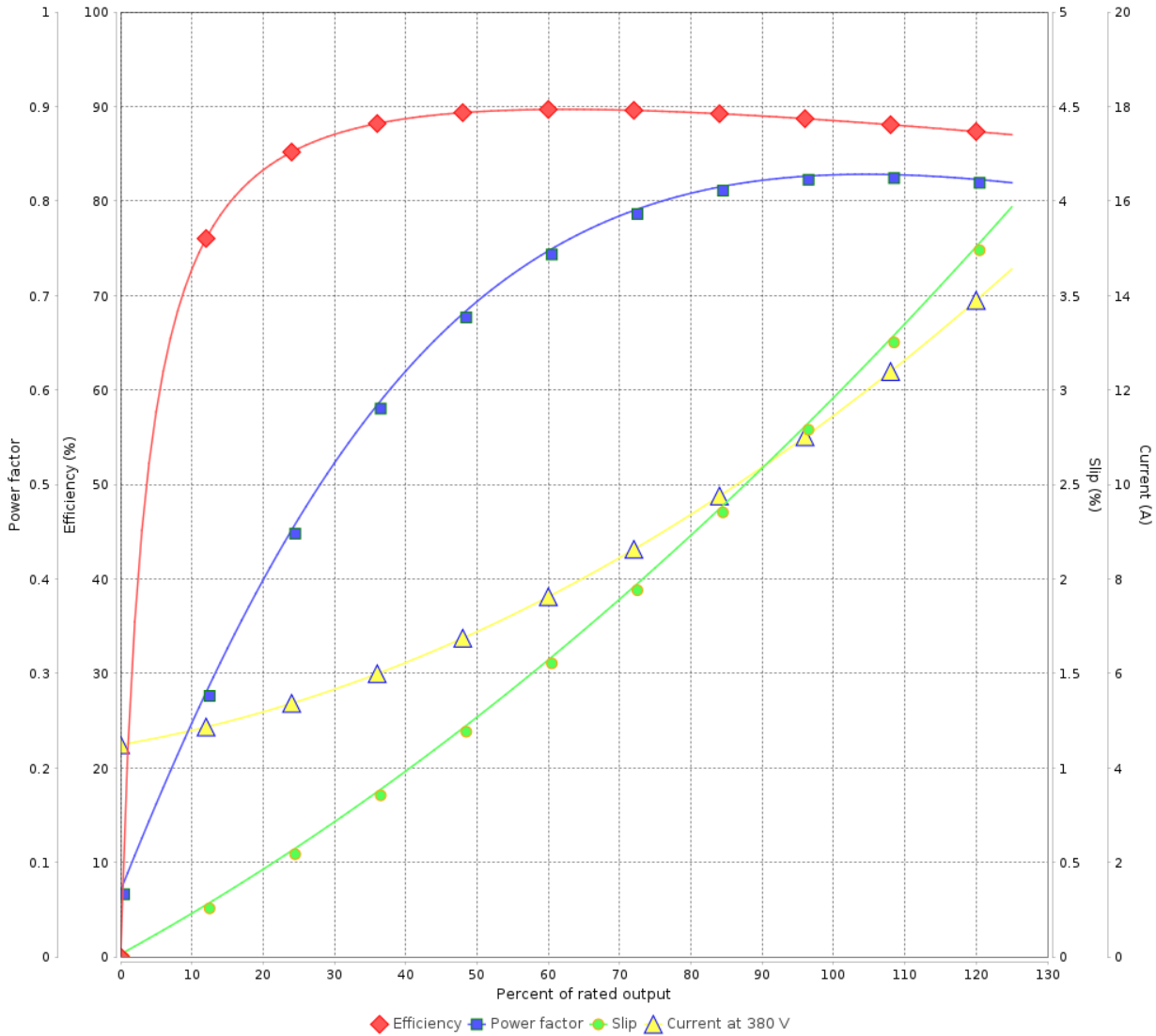
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase Product code : 12385057

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Performance : 380 V 50 Hz 6P IE3

Rated current	: 11.4 A	Moment of inertia (J)	: 0.1652 kgm ²
LRC	: 5.1	Duty cycle	: Cont.(S1)
Rated torque	: 5.61 kgfm	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 970 rpm	Design	: B

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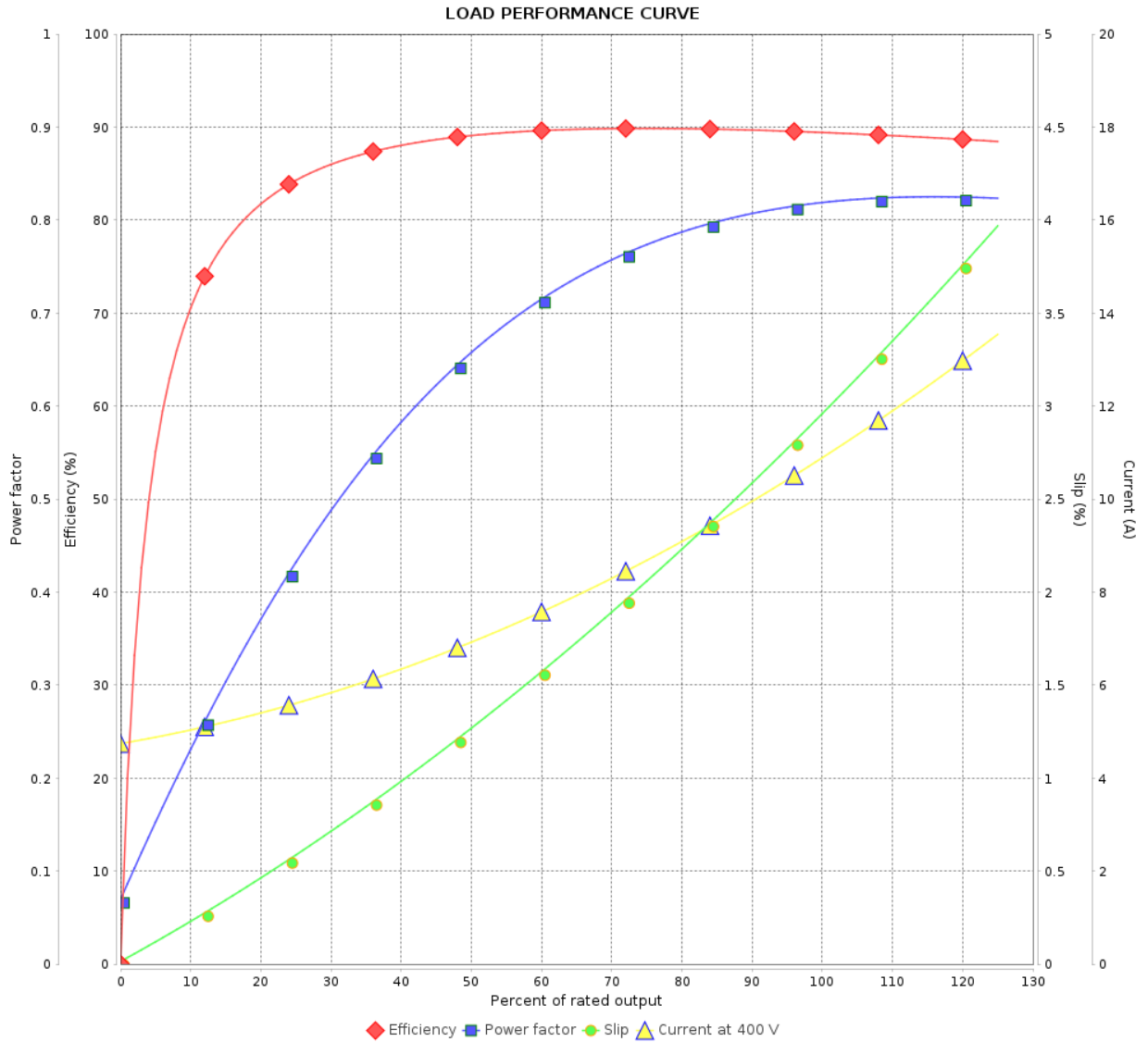
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase

Product code : 12385057



Performance : 400 V 50 Hz 6P IE3

Rated current : 10.8 A
 LRC : 5.7
 Rated torque : 5.61 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 229 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.1652 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 105 K
 Design : B

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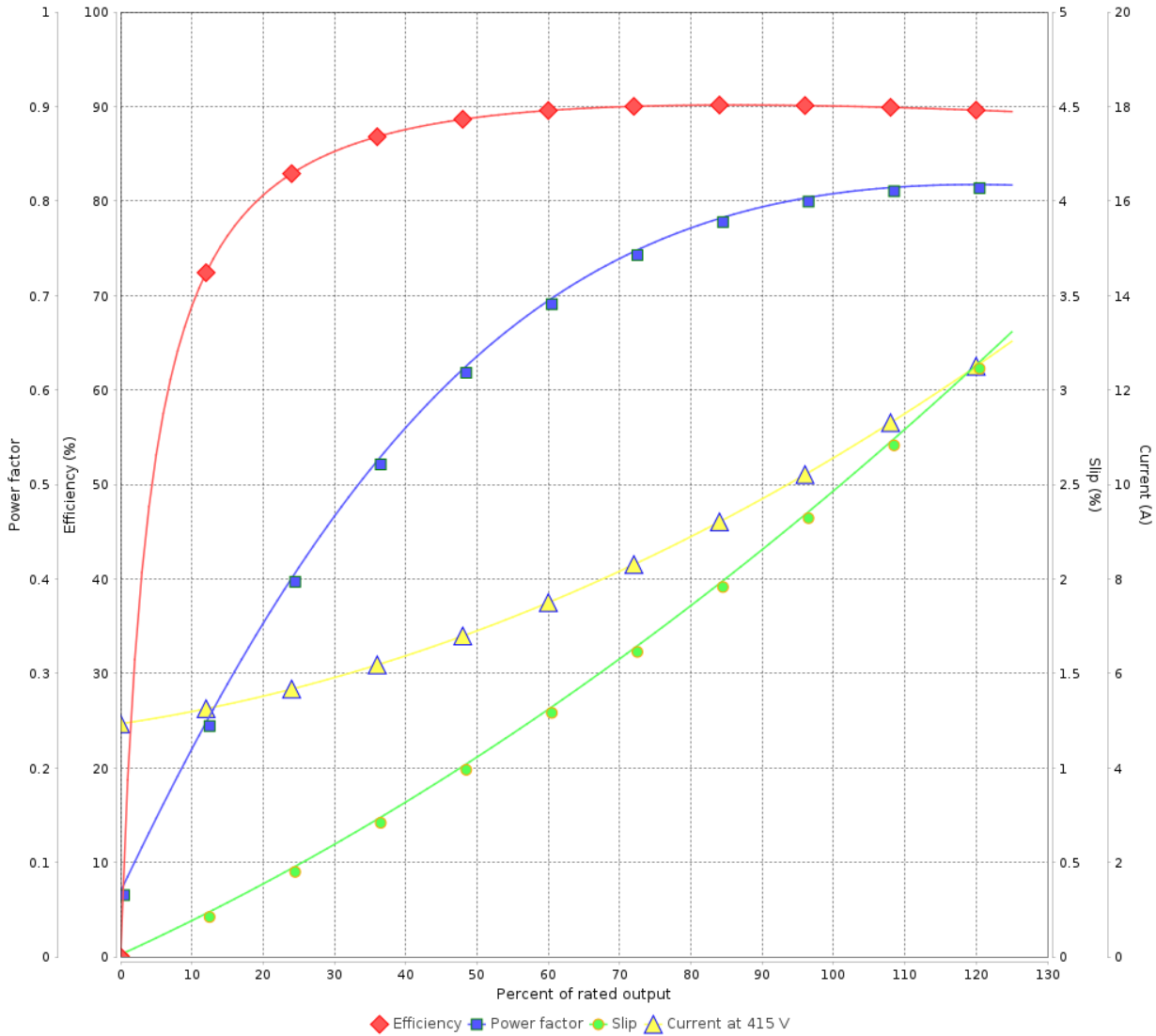
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase Product code : 12385057

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Performance : 415 V 50 Hz 6P IE3

Rated current	: 10.5 A	Moment of inertia (J)	: 0.1652 kgm ²
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 5.58 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 975 rpm	Design	: B

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