DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 13760388

Frame	: W56C	Cooling method	: IC411 - TEFC
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[3]	: 9.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0024 kgm²

Output [HP]		0.5	0.33	0.33
Poles		6	6	6
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190-220/380	415
Rated current [A]		2.20-1.98/0.990	1.80-1.55/0.899	0.952
L. R. Amperes [A]		9.68-8.71/4.36	7.73-6.68/3.87	4.19
LRC [A]		4.4x(Code H)	4.3x(Code J)	4.4x(Code L)
No load current [A]		1.34-1.55/0.775	1.52-1.31/0.760	0.907
Rated speed [RPM]		1130	945	955
Slip [%]		5.83	5.50	4.50
Rated torque [kgfm]		0	0	0
Locked rotor torque [%]		200	220	270
Breakdown torque [%]		240	250	310
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		30s (cold) 17s (hot)	43s (cold) 24s (hot)	34s (cold) 19s (hot)
Noise level[2]		48.0 dB(A)	47.0 dB(A)	47.0 dB(A)
Efficiency (%)	25%			
	50%	59.5	55.0	49.0
	75%	66.0	63.0	58.0
	100%	68.0	65.0	63.0
Power Factor	25%			
	50%	0.47	0.44	0.39
	75%	0.59	0.55	0.49
	100%	0.69	0.65	0.58

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 19 kgf

Max. compression : 30 kgf

Notes

USABLE @208V SF 1.00

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	Checked	Date

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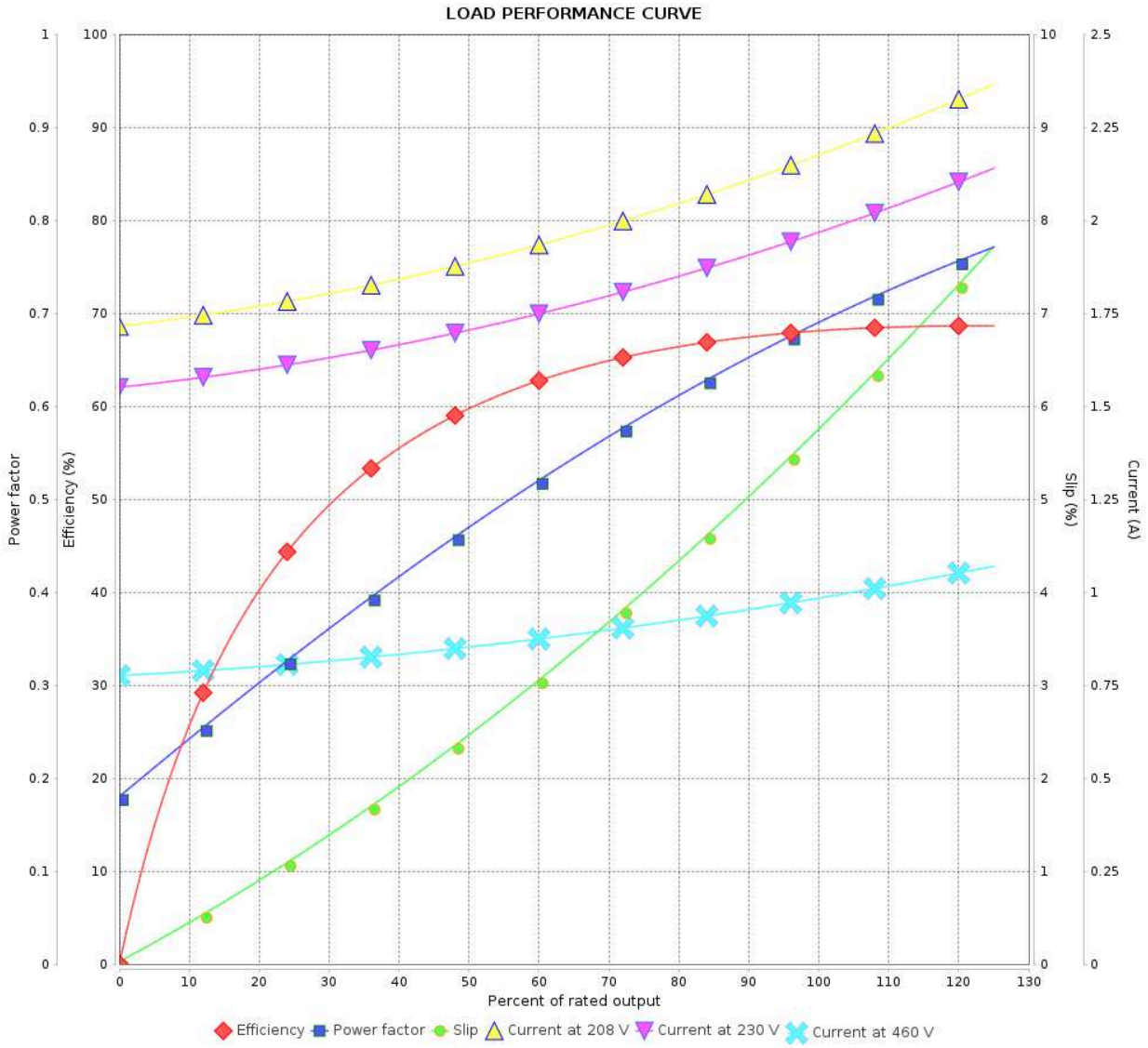
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 13760388



Performance	: 208-230/460 V 60 Hz 6P		
Rated current	: 2.20-1.98/0.990 A	Moment of inertia (J)	: 0.0024 kgm²
LRC	: 4.4	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	:
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1130 rpm		

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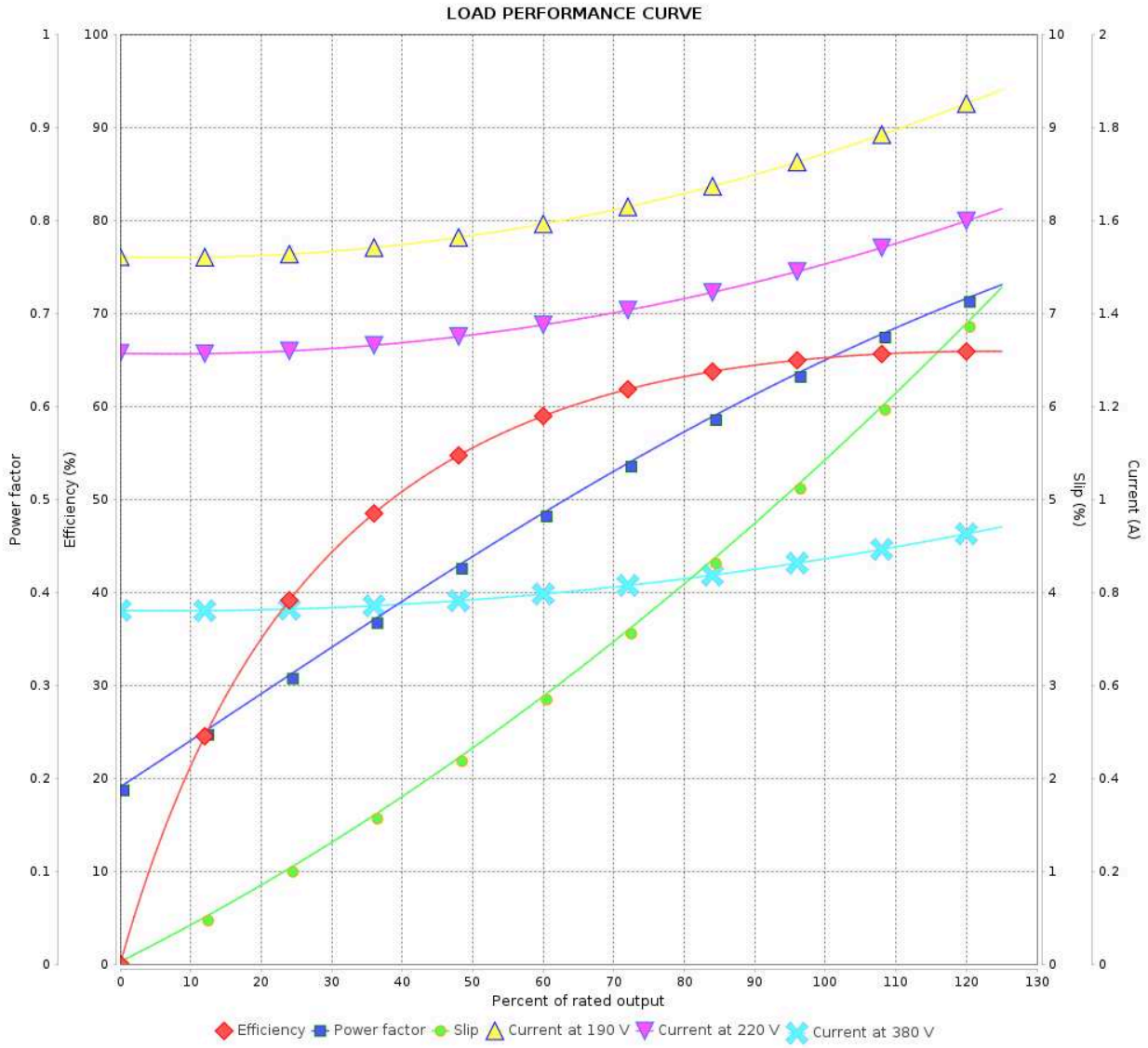
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 13760388



Performance	: 190-220/380 V 50 Hz 6P		
Rated current	: 1.80-1.55/0.899 A	Moment of inertia (J)	: 0.0024 kgm²
LRC	: 4.3	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 945 rpm		

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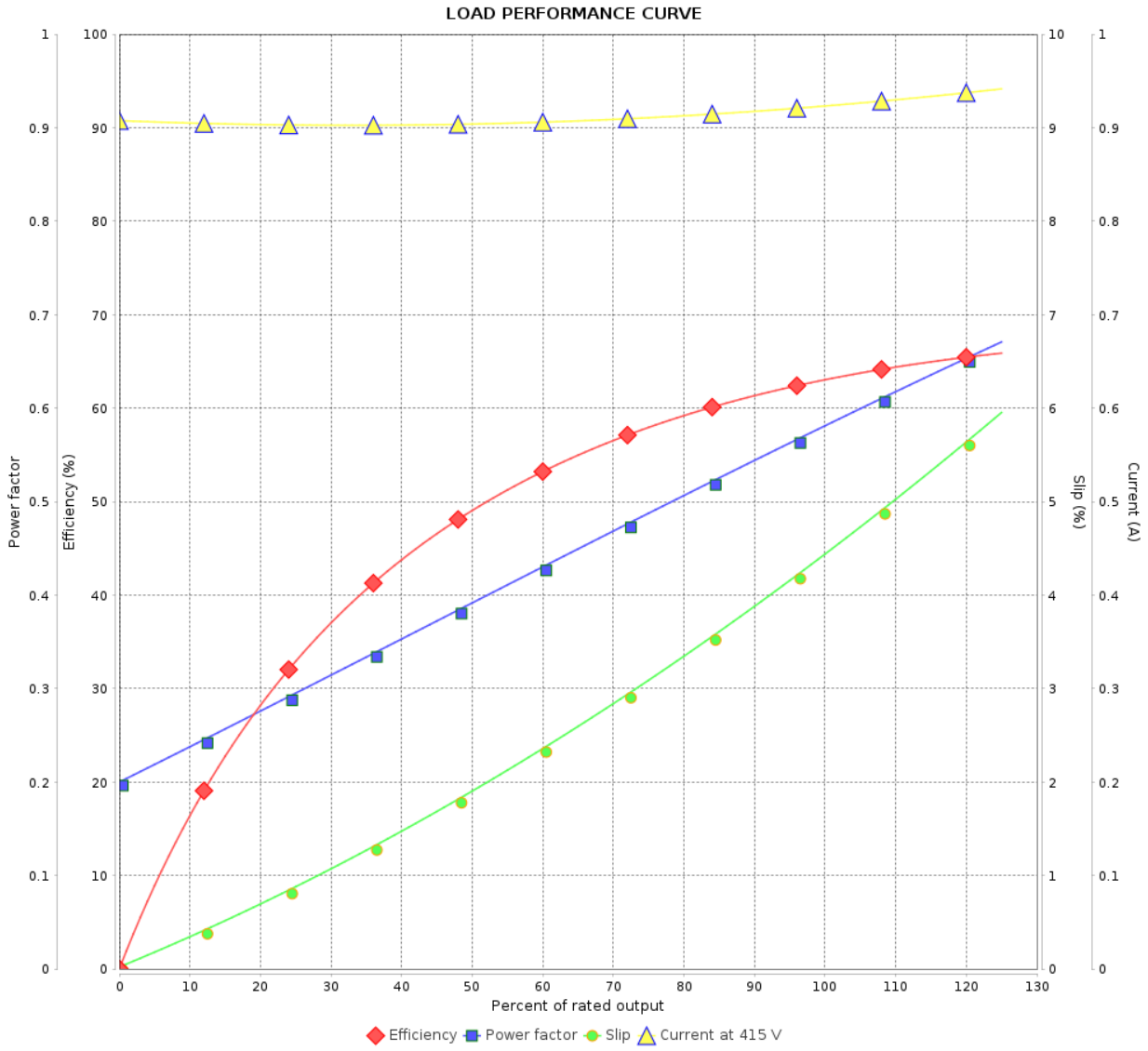
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Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Rolled Steel Standard Efficiency Three-Phase	Product code :	13760388



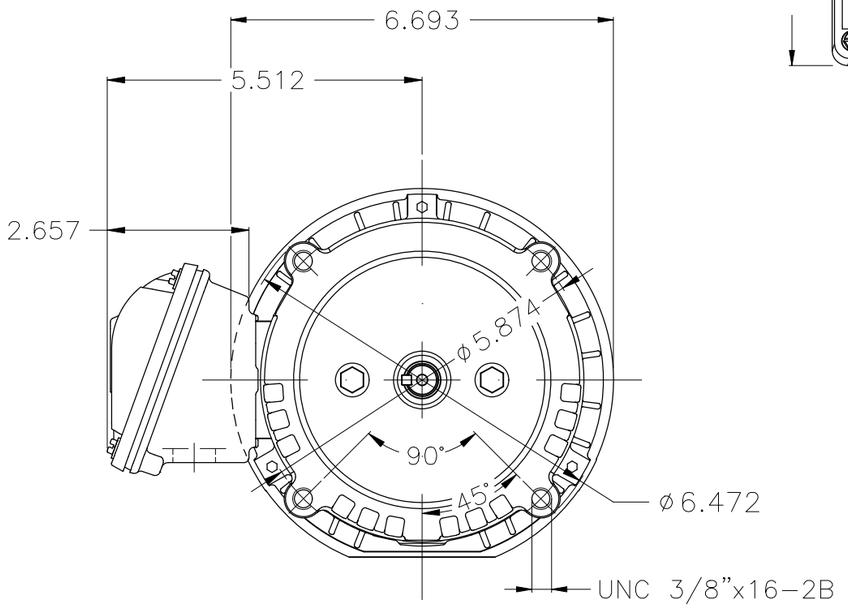
Performance	: 415 V 50 Hz 6P

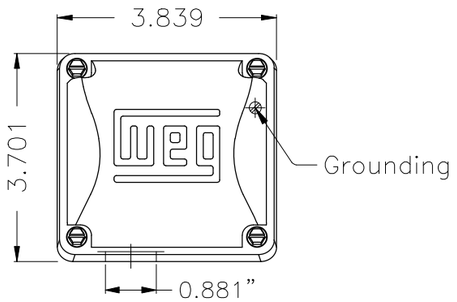
Rated current	: 0.952 A	Moment of inertia (J)	: 0.0024 kgm²
LRC	: 4.4	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 955 rpm		

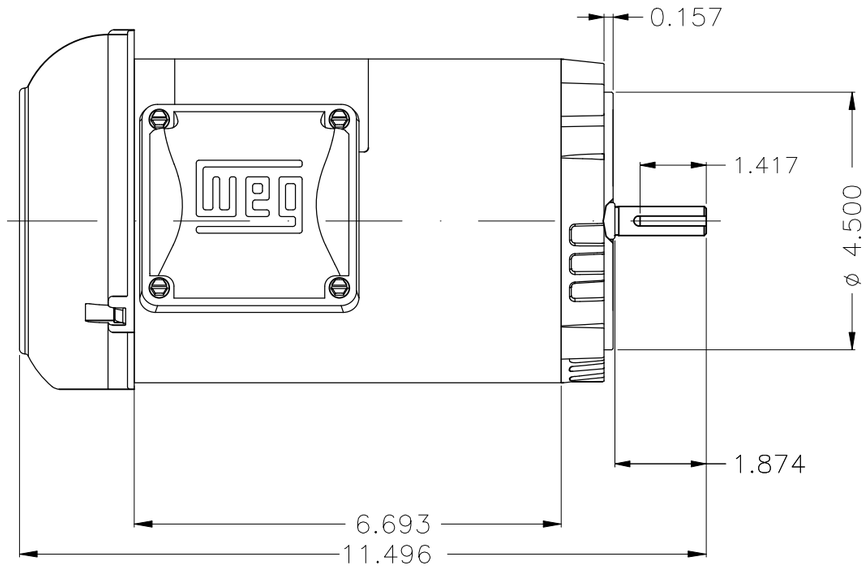
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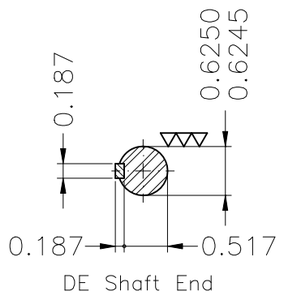
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Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL	PREVIEW
CHECKED		FRAME W56C IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

0.5 HP 06 Poles 60 Hz

A

Dimensions in inches

XME A3

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