DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12651247

Frame	: 213/5TC	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 230/460 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 24.2/12.1 A	Protection degree	: IP55
	: 7.3x(Code H)	Cooling method	: IC411 - TEFC
Rated speed	: 1770 rpm	Mounting	: F-1
Rated torque	: 4.10 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 60.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0451 kgm²	Approx. weight[3]	: 73.6 kg
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	90.2	91.0	91.7
Power Factor	0.00	0.68	0.80	0.85

Foundation loads

Max. traction : 0 kgf

Max. compression : 0 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

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)
8.8	7.7	7.3	4.2	3.0	2.0	1.5

		Drive end	Non drive end
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes

USABLE @208V 27.0A SF 1.00 SFA 27.0A

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.

Rev.	Changes Summary	Performed	Checked	Date

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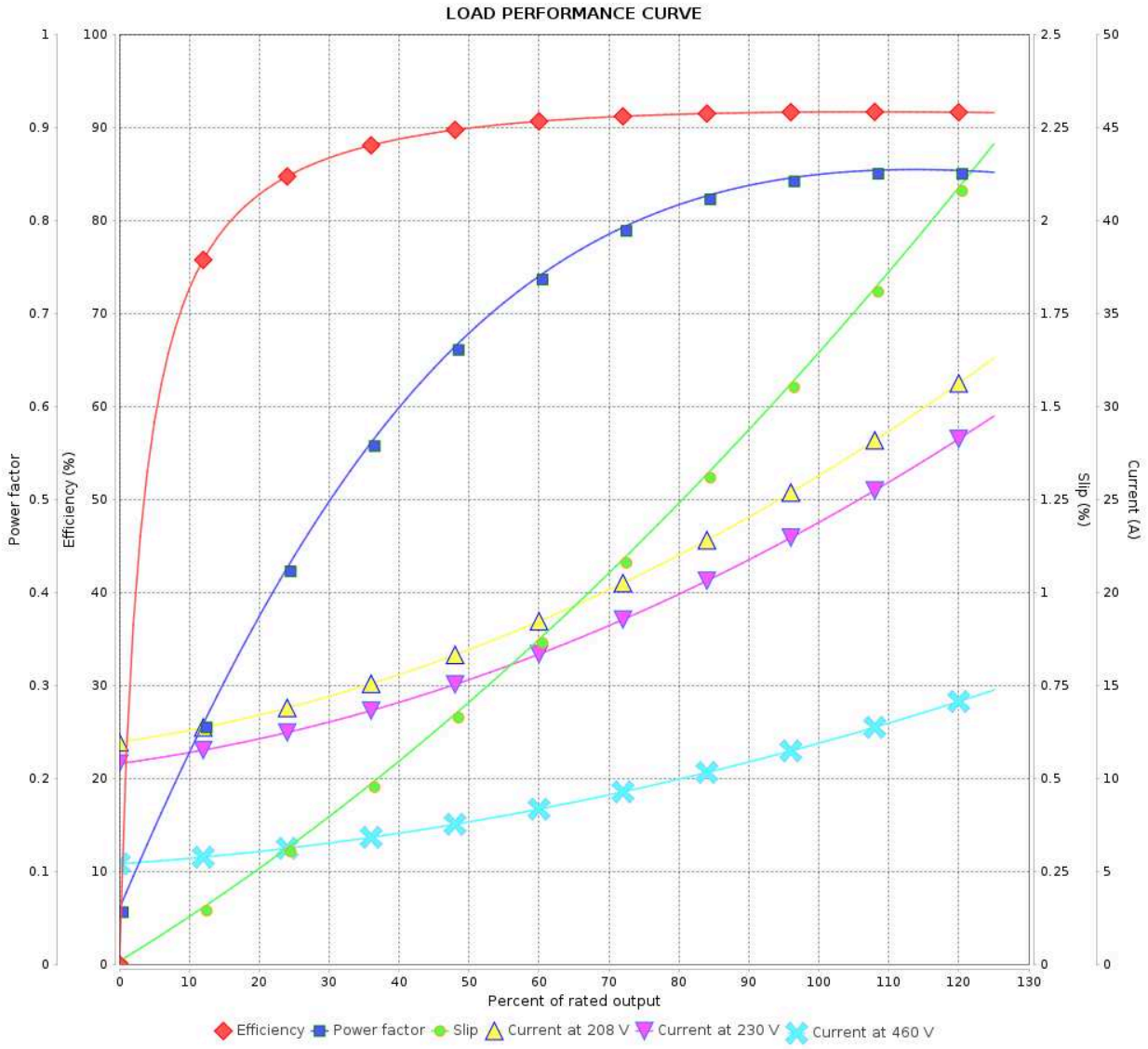
LOAD PERFORMANCE CURVE

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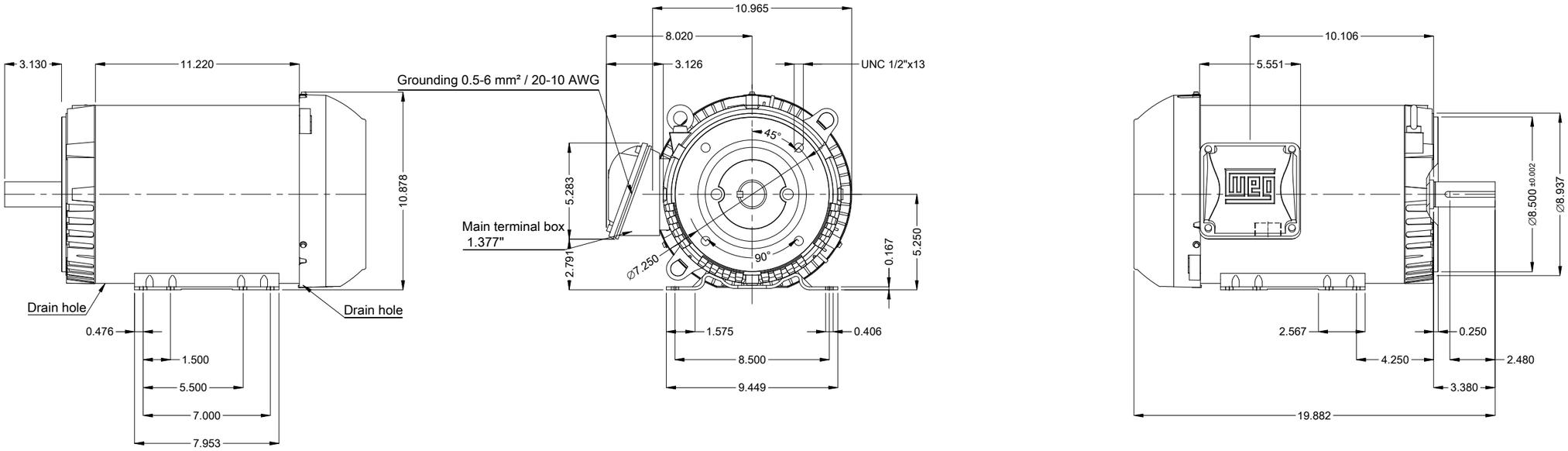
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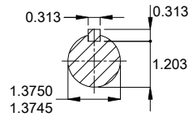
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DE Shaft End



Color Munsell N 1 matte black

Painting plan 207N

Mounting MARKET F-1/B34R(D)

Mounting B34D

10 HP 04 Poles 60 Hz | A

Scale 2 : 13

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.

FRAME 213/5TC IP55 TEFC

PREVIEW

WDD | 00

SHEET 1 / 1

Dimensions in inches

A3

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