EPS10000E-EPS12000TE-EPS12000E-EPS15000TE

Content:

ORIGINAL INSTRUCTION MANUAL.

0. INTRODUCTION

Please read this manual carefully before using the generating set. If you act as stated in this manual, your generating set will guarantee you a smooth functioning for years.

First read the engine and alternator manual. These manuals are supplied with each generating set and explain the use, the maintenance and the dangers in case of improper use.

If you have any questions concerning your generating set please contact EUROPOWER Generators through www.europowergenerators.com.

All data in this manual are based on the standard versions of EPS10000E - EPS12000TE / EPS12000E - EPS15000TE with Honda GX630R / GX690R engine. Generating sets with options can have slightly different data. Contact your dealer for more information.

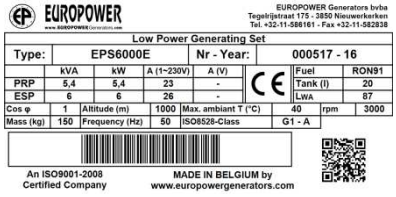
1. SAFETY INSTRUCTIONS

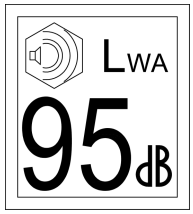
- Read and understand the owner's manual before using the generator, opening it or working on it. This can prevent personal injury or equipment damage. When this manual is not 100% clear to you, please consult an authorised dealer.
- Place the generator on a levelled surface.
  When the generator is tilted, fuel spillage may result.
  Place the generator, when in use, at least 1m away from buildings or other equipments.
  Keep children and pets away from the generator when it is in operation.
- Gasoline is extremely flammable and explosive under certain conditions.
  Refuel only in a well-ventilated area with the engine stopped.
  Do not smoke or allow flames or sparks in the area where the engine is refuelled or where gasoline is stored.
  Wipe up spilled fuel at once.
  Avoid repeated or prolonged contact with skin or breathing of vapour.
- If you decide to use a gasoline containing alcohol (gasohol), be sure its octane rating is at least as high as that recommended by EUROPOWER. There are two types of 'gasohol': one containing ethanol, and the other containing methanol. Do not use gasohol that contains more than 10% ethanol.
  Do not use gasoline containing methanol (methyl or wood alcohol) that does not also contain cosolvents and corrosion inhibitors for methanol. Never use gasoline containing more than 5% methanol, even if it has cosolvents and corrosion inhibitors.
- Fuel system damage or engine performance problems resulting from the use of fuels that contain alcohol is not covered by the warranty. EUROPOWER cannot endorse the use of fuels containing methanol since evidence of their suitability is as yet incomplete.
  Before buying fuel from an unfamiliar station, try to find out if the fuel contains alcohol. If it does, confirm the type and percentage of alcohol used. If you notice any undesirable operating symptoms while using a gasoline that contains alcohol, or one that you think contains alcohol, switch to a gasoline of which you know that it does not contain alcohol.
- Use automotive gasoline with a pump octane number of 86 or higher, or a research octane number of 91 or higher. Unleaded gasoline is preferred to minimize combustion chamber deposits.
- It is allowed to use the generating set in the rain (according to EN60529-protection class IP23). This means that the generating set can support water in the form of rain till max. 60° in respect of the perpendicular

line. Do not use the generating set in the snow. Only use it in spaces where there is no explosion hazard.

- The generator is a potential source of electrical shocks when misused. Do not operate the generator with wet hands.
- Connections for standby power to a building's electrical system must be made by a qualified electrician and must comply with all applicable laws and electrical codes.
  Never connect the generating set to the public mains or any other electrical power source! Improper connections can allow electrical current from the generator to back feed into the utility lines. Such back feed may electrocute utility company workers, and when utility power is restored, the generator may explode, burn or cause fires in the building's electrical system.
- The muffler becomes very hot during operation and remains hot for a while after stopping the engine.
  Be careful not to touch the muffler while it is still hot.
  Let the engine cool down before storing the generator indoors.
  To prevent scalding, pay attention to the warning marks attached to the generator.
- Keep in mind the maximum weight a person is allowed to carry if you move the generating set by hand.
- Make sure the generator operates in a well-ventilated room. In case of insufficient cooling and/or ventilation severe damage can occur. Exhaust gases also contain poisonous carbon monoxide.
- Never use the generator when the cover plates are removed from the engine or alternator.
- Do not wear loose clothes near the generator.
- Let maintenance be carried out by trained technicians only. For example, according to art. 233 of the Belgian AREI – General Regulation on Electrical Installations - this means that maintenance can only be carried out by "warned persons" (code BA4) or "authorised persons" (code BA5).
  If local rules differ, the most rigid of both rules should be followed.
- Never work on the generator while it is still running.
- Never connect appliances that need more power than the generator can provide. This could seriously damage the generator.
- Be very careful while using a welder on any type of generator. Welders might damage the alternator. Always consult a EUROPOWER specialist first to make sure that the power of the generating set matches the requested power of the welder.
- If the appliance you want to connect is of an electronic kind (computer, radio, TV, plastic welder, …), always consult a EUROPOWER specialist first. Such appliances might not work or even break down in combination with some alternators. Alternators with a low harmonic distortion are best suited for connection of electronic appliances.

2. CE-MARK, NOISE LABEL AND PICTOGRAMS



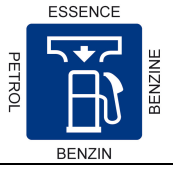
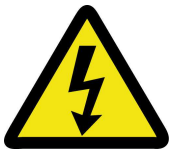


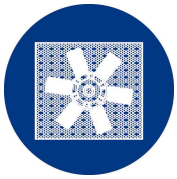
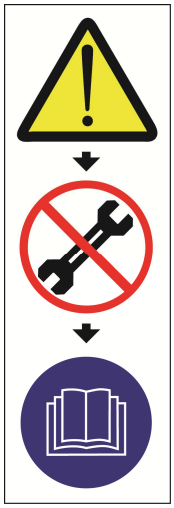
2.1. CE-marking and noise label: these are examples of a EUROPOWER type indication plate and a noise label. The type indication plate can be found on every generator. The noise label only appears on generators that comply with the

European standard 2000/14/EC. More information on this can be found in the EUROPOWER documentation or on our web site www.europowergenerators.com.

2.2. Pictograms: some of these pictograms are typical for a certain option or special type of generating set. Therefore not all pictograms necessarily appear on the standard generating set.

EPSL-EPG_B

(1)		Here you can fill the tank with gasoline fuel. Remove the fuel filler cap and check the fuel level. Refuel carefully to avoid fuel spillage. Do not fill the tank to the top. You might have to lower the fuel level, depending on operating conditions. After refuelling, reinstall the fuel filler cap and tighten it securely. Spilled fuel causes environmental damage. Wipe up spilled gasoline at once.
(4)		Here you can fill the oil by loosening the oil filler cap or dipstick. Fill carefully to avoid oil spillage. Spilled oil should be wiped up immediately in a correct and environmentally friendly way. Respect the local regulations. Do not pour oil onto the ground or down the drain.
(11)		WARNING! – Electric shock hazard.
(12)		Never connect the generator to an installation which is also connected to a public mains. Improper connections can allow electrical current from the generator to back feed into the utility lines. Such back feed may electrocute utility company workers, and when utility power is restored, the generator may explode, burn or cause fires in the building's electrical systems.
(13)		Here an earth pin can be connected. Follow the instructions in this manual concerning the use of an earth pin.
(22)		WARNING! – Hot surface. Can cause burns. Hot engine and hot exhaust system can cause serious and even lethal injuries. Never work on the generating set before it has sufficiently cooled down.
(23)		Do not smoke nor allow sparks or flames near the generating set, the fuel pipe, the fuel filter, the fuel pump or other possible sources of spilled fuel or fuel vapours.

(24)		Fuel is highly flammable and explosive and you can be burnt or seriously injured when refuelling. Turn the engine off and let it cool down before refuelling.
(25)		The engine‘s exhaust gases contain poisonous carbon monoxide. You can be killed or seriously hurt. Do not run the engine in a closed environment. The exhaust system should be leak-tight and it should be inspected regularly.
(26)		Rotating parts can cause serious and even deathly injuries. Do not let the engine run unless all protection covers, shields and grids are in place. Make sure the incoming and outgoing air flow is not obstructed.
(27)		Only use a hoist according to local safety regulations. Never allow sharp bends in lifting cables and chains. It is strictly forbidden to dwell or stay in the risk zone under a lifted load. Never lift the unit over people or residential areas. Never leave a load hanging on a hoist. Lifting acceleration and retardation shall be kept within safe limits. To lift heavy parts, a hoist of ample capacity, tested and approved according to local safety regulations, shall be used. Lifting hooks, eyes, shackles, etc. shall never be bent and shall only have stress in line with their design load axis. The capacity of a lifting device diminishes when the lifting force is applied at an angle to its load axis. For maximum safety and efficiency of the lifting apparatus all lifting members shall be applied as near to perpendicular as possible. A hoist has to be installed in such a way that the object will be lifted perpendicular. If that is not possible, the necessary precautions must be taken to prevent load-swinging, e.g. by using two hoists, each at approximately the same angle not exceeding 30°from the vertical.
(28)		WARNING! – Consult the instruction and maintenance manual of the engine and the alternator before carrying out maintenance. Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow the inspection and maintenance recommendations and schedules mentioned in the instruction and maintenance manual of the engine and the alternator.

3. SHORT DESCRIPTION OF THE GENERATING SET

Type: EPS10000E H/MA
Power: 10kVA max., 8kVA cont. 35A 1x230V
Motor: HONDA GX630R, 2 cylinder, 688 cm³, 3000 rpm, air-cooled
Alternator: Mecc Alte S20F-200/A
Dimensions: L = 127 (109 without tank), B = 64, H = 57 cm
Weight: 200 kg
Noise level: LwA 92 (*)

Type: EPS12000TE H/MA:
Power: 12kVA max., 10kVA cont. 12A 3x400V / 4kVA max. 18A 1x230V
Motor: HONDA GX630R, 2 cylinder, 688 cm³, 3000 rpm, air-cooled
Alternator: Mecc Alte T20F-200/A
Dimensions: L = 127 (109 without tank), B = 64, H = 57 cm
Weight: 204 kg
Noise level: LwA 92 (*)

Type: EPS12000E H/S:
Power: 12kVA max., 10kVA cont. 43A 1x230V
Motor: HONDA GX690R, 2 cylinder, 688 cm³, 3000 rpm, air-cooled
Alternator: Sincro FK2MFS
Dimensions: L = 127 (109 without tank), B = 75, H = 59 cm
Weight: 220 kg
Noise level: LwA 94 (*)

Type: EPS15000TE H/S:
Power: 15kVA max., 12.5kVA cont. 14.5A 3x400V / 5kVA max. 23A 1x230V
Motor: HONDA GX690R, 2 cylinder, 688 cm³, 3000 rpm, air-cooled
Alternator: Sincro FT2MFS
Dimensions: L = 127 (109 without tank), B = 75, H = 59 cm
Weight: 224 kg
Noise level: LwA 94 (*)

ALL TYPES:
Frequency: 50 Hz
Content of fuel tank: 20 liter
(*)(see also the EC Declaration of Conformity IIA for the “measured sound power level” and the “guaranteed sound power level”)

The main components of the generating set are: the air-cooled HONDA GX630R/GX690R gasoline engine (3000rpm), the alternator, the control panel, the silenced canopy and the chassis.

For engine and alternator specifications we refer to the engine and alternator manual supplied with each generating set.
Specifications for the control panel can be found in chapter 4.

The chassis of the generating set has 4 fixation holes (for fixed mounting of the genset) and a battery support. In the bottom of the chassis there is an inspection hole for oil drain.

The canopy of the genset contains: 1 inspection hatch in the top cover of the genset (with black plastic inspection cap for oil level control of the engine), 1 inspection door in the side panel on the exhaust side and 1 inspection door on the side of the control panel, the control panel, the inspection door for the battery, 2 fresh air intake grids and one hot air and exhaust grid.

4. DESCRIPTION OF THE CONTROL PANEL

EPS10000E H/MA – EPS12000TE H/MA:

EPS12000E H/S – EPS15000TE H/S:

- starting key (off / on / start)
- choke (green)
- voltmeter
- thermal protection
- hour counter
- 3 sockets

Furthermore, there is space on the control panel for optional assembly of:

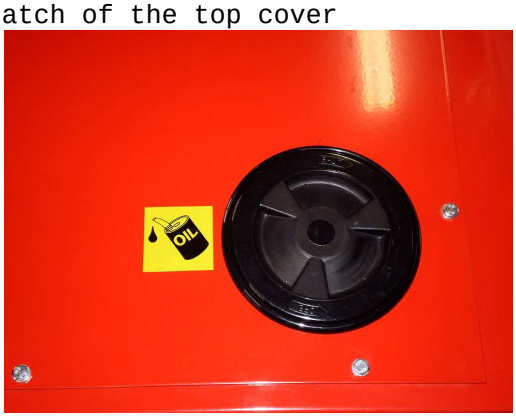
- 1 frequencymeter
- 1 ammeter
- modular insulation protection control relay
- emergency stop or connector (4 pins) for remote control
- connector (10 pins) for automatic start/stop system (black metal cover plate)

5. USE OF THE GENERATING SET

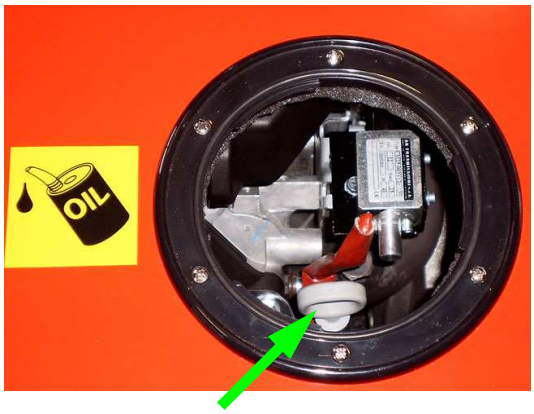
Main elements on the genset are: 3 sockets with thermal-magnetic protection, voltmeter, hour counter, starting key and choke button.

5.1 Starting the engine:

- check the oil level through the black plastic cap in the inspection hatch of the top cover



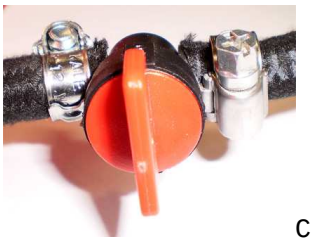
1.Open the black plastic cap = turn counterclockwise.



2.Remove oil dipstick to check level

- check the fuel level.
- open the fuel cock.

OPEN



CLOSED

- the engine is executed with an electrical choke: press the choke button during starting when the engine is cold.

- start the engine with the starting key
- let the engine warm up for a few minutes before charging.
- Connect appliances

5.2. Charging the generating set:

- on the type indication plate you can find the power information/maximum charging current of the generating set.
- in case of overcharge, the thermal protection in the control panel will switch off after some time. Check the load, reduce it if necessary and switch on the thermal protection again.
- In case of short-circuiting, the thermal-magnetic protection will trip! Check the cause of the short-circuiting and start the protection again.

5.3. Stopping the generating set

- let the generating set cool down at no load for at least 5 minutes before stopping the engine. This way the set can “cool down”.
- Stop the engine with the starting key.

5.4. Cooling

- take care that there are no obstructions at the fresh air intake grid.
- take care that there are no obstructions at the hot air and exhaust grid.
- never let the generating set run in inappropriately ventilated room!

5.5. Protections

- engine: low oil level and high oil temperature protection.
- alternator: thermal-magnetic protection.

5.6. Maintenance (see also chapter 10):

All maintenance points (air cleaner, oil drain, oil fill cap, oil filter, fuel filter, valves, spark plug) are well accessible. For normal maintenance activities, check the engine manual. For engine or alternator repair, consult your dealer.

5.7. Safety for the users:

The standard version of the generating sets EPS10000E – EPS12000TE – EPS12000E – EPS15000TE are delivered according to the IU electrical scheme. This means that for connection of charges class 1 (charges with earth) there is a maximum of 1 charge only, and for charges class 2 (charges with double insulation, to be recognized by the “double square” pictogram on the machine) there is no limitation in the quantity of charges connected at the same time on the generating set.
Contact your distributor for details on the above subject.
You have to respect the minimum square (mm²) and maximum length of the cables you are using (to assure the correct switching off of the thermal-magnetic protection in case of short-circuit).
Insulation protection or earth leakage protection are available as an option.

Table: Recommendation of minimum cable section (in mm²) and maximum cable length (in m) in function of the current (in A):

	Cable length	**Cable length**	**Cable length**
Current in A	**0 to 50 metres**	**> 50 to 100 metres**	**> 100 to 150 metres**
6	**1.5mm²**	**1.5mm²**	**2.5mm²**
8	**1.5mm²**	**2.5mm²**	**4mm²**
10	**2.5mm²**	**4mm²**	**6mm²**
12	**2.5mm²**	**6mm²**	**10mm²**
16	**2.5mm²**	**10mm²**	**10mm²**
18	**4mm²**	**10mm²**	**10mm²**
24	**4mm²**	**10mm²**	**16mm²**
26	**6mm²**	**16mm²**	**16mm²**
36	**6mm²**	**25mm²**	**25mm²**
50	**10mm²**	**25mm²**	**35mm²**

6. INCORPORATION OF THE GENERATING SET

Consult your EUROPOWER dealer or EUROPOWER Generators.

7. PARTS LIST

This parts list is based on the standard versions of the EPS10000E – EPS12000TE – EPS12000E – EPS15000TE. For generating sets with options (e.g. insulation protection, remote control, automatic start/stop system,…) there can be small differences! Please contact your dealer for info on parts for these options.

Art. nr.	Description

7.1. GENERATING SET

113000003	shaft for fan A100 + A151
120000050	silent-bloc A 50/40 M10*28 (alternator)
120001043	silent-bloc B 40/30 M8*23 (engine)
130000020	fuel hose dia. 8mm
162000010	acoustic foam 30mm, oil-resistant, self adhesive
162000015	acoustic foam 30mm, heat-resistant, self adhesive
170000000	battery 12V 24 Ah
170000026	black protection cover battery clamp
170001036	exhaust tube assembly complete (EPS10000E H/MA – EPS12000TE H/MA)
170001037	exhaust tube assembly complete (EPS12000E H/S – EPS15000TE H/S)
170010036	exhaust clamp dia. 36mm
170090624	exhaust super-silent
199000090	cap for jerrycan
199000096	jerrycan 20 liter
199000098	frame for jerrycan
199000529	canopy, plate parts (EPS10000E H/MA - EPS12000TE H/MA)
199000530	canopy, plate parts (EPS12000E H/S – EPS15000TE H/S)
202000010	Mecc Alte S20F-200/A 10kVA 230V SAEJ609b (for EPS10000E H/MA)
202000112	Mecc Alte T20F-200/A 12kVA 230/400V SAEJ609b (for EPS12000TE H/MA)
217000012	Sincro FK2MFS 12 kVA 115/230V SAEJ609B (EPS12000E H/S)
217000116	Sincro FT2MFS 16 kVA 230/400V SAEJ609B (EPS15000TE H/S)
300000221	HONDA GX630R VEP4 (EPS10000E H/MA – EPS12000TE H/MA)
300000251	HONDA GX690R VXE4 (EPS12000E H/S – EPS15000TE H/S)
909000003	kit acoustic foam (EPS12000E H/S – EPS15000TE H/S)
909000008	kit acoustic foam (EPS10000E H/MA – EPS12000TE H/MA)
910000018	U-profile Alu 210mm, battery fixation
910000026	threaded bar M6 195mm, battery fixation
910000187	chassis EPS12000E H/S – EPS15000TE H/S)
910000190	chassis EPS10000E H/MA – EPS12000TE H/MA)
914060030	control panel EPS10000E H/MA complete
914060040	control panel EPS12000TE H/MA complete
914060049	control panel EPS12000E H/S complete
914060050	control panel EPS15000TE H/S complete
A100	fan (EPS10000E H/MA – EPS12000TE H/MA)
A151	fan (EPS12000E H/S – EPS15000TE H/S)

7.2. CONTROL PANEL

110000010	cover plate 48*48mm
170000072	fuse 30A for 170000200
170000200	terminal for fuse 170000072
174000013	hinged lid 12 modules + DIN-RAIL
180000000	socket SCHUKO 230V 16A, German type
180000001	socket SCHUKO 230V 16A, French type
181000000	terminal 6mm² (EPS12000TE H/MA)

181000002	terminal 10mm² (EPS15000TE H/S)
181000004	terminal 6mm² with earth (EPS12000TE H/MA)
181000005	terminal 10mm² with earth (EPS10000E H/MA – EPS12000E H/S – EPS15000TE H/S)
181001016	thermal-magn. prot. 2-poles 16A, C-character. (EPS10000E H/MA – EPS12000E H/S)
181001025	thermal-magn. protection 2-poles 25A, C-character. (EPS10000E H/MA)
181001032	thermal-magn. prot. 2-poles 32A, C- character. (EPS12000E H/S)
181003010	thermal-magn. protection 3-poles 10A, C- charac. (EPS12000TE H/MA)
181003013	thermal-magn. prot. 3-poles 13A, C- character. (EPS15000TE)
181005003	Voltmeter 0-500V (48*48mm) (EPS12000TE H/MA – EPS15000TE H/S)
181005005	Voltmeter 0-300V (48*48mm) (EPS10000E H/MA – EPS12000E H/S)
181030316	CEE socket 3-poles 16A (EPS10000E H/MA – EPS12000TE H/MA)
181030332	CEE socket 3-poles 32A (EPS10000E H/MA - EPS12000E H/S - EPS15000TE H/S)
181030516	CEE socket 5-poles 16A (EPS12000TE H/MA – EPS15000TE H/S)
183000010	hour counter 230V, type DIN-rail

7.3. MAINTENANCE PARTS

217990074	brush + brush holder (EPS15000TE H/S with alternator FT2MFS)
398000630	air cleaner element GX630R/GX690R
398200630	oil filter GX630R/GX690R
390700064	brush + brush holder (EPS12000TE H/MA with alternator T20F)
A00002000	spark plug GX630R/GX690R
A00002001	gasoline filter 20µ GX630R/GX690R
A00002014	seal, valve cover

8. ELECTRICAL SCHEMES

See the electrical schemes in the engine and alternator manual and the enclosed EUROPOWER electrical schemes.

9. BUILDING-IN DIMENSIONS

See enclosed drawing.

10. MAINTENANCE

10.1. Alternator:

EPS10000E H/MA - EPS12000E H/S: a periodic check of the alternator is not necessary. A visual control of the different alternator parts at every general generator maintenance will do.
Check here also the state of the rotor bearing.

EPS12000TE H/MA – EPS15000TE H/S: a periodic check of the alternator is not necessary. A visual control of the different alternator parts at every general generator maintenance will do.
Check here also the state of the rotor bearing and the state of the carbon brushes! The expected life time of the brushes is 2500 to 3000 hours.

10.2. Engine:

See engine manual for maintenance intervals.
Remark: in the factory, the engine has been filled with 15W40 oil (for temperatures up to -10°C). The minimum specification of this oil has to be API SJ/CF-4.

If the ambient temperature is lower, 10W30 oil (up to -15°C) or full synthetic oil 5W30 (up to -25°C) should be used. Here the minimum specification of the oil also has to be API SJ/CF-4.

11. TRANSPORT AND STORAGE

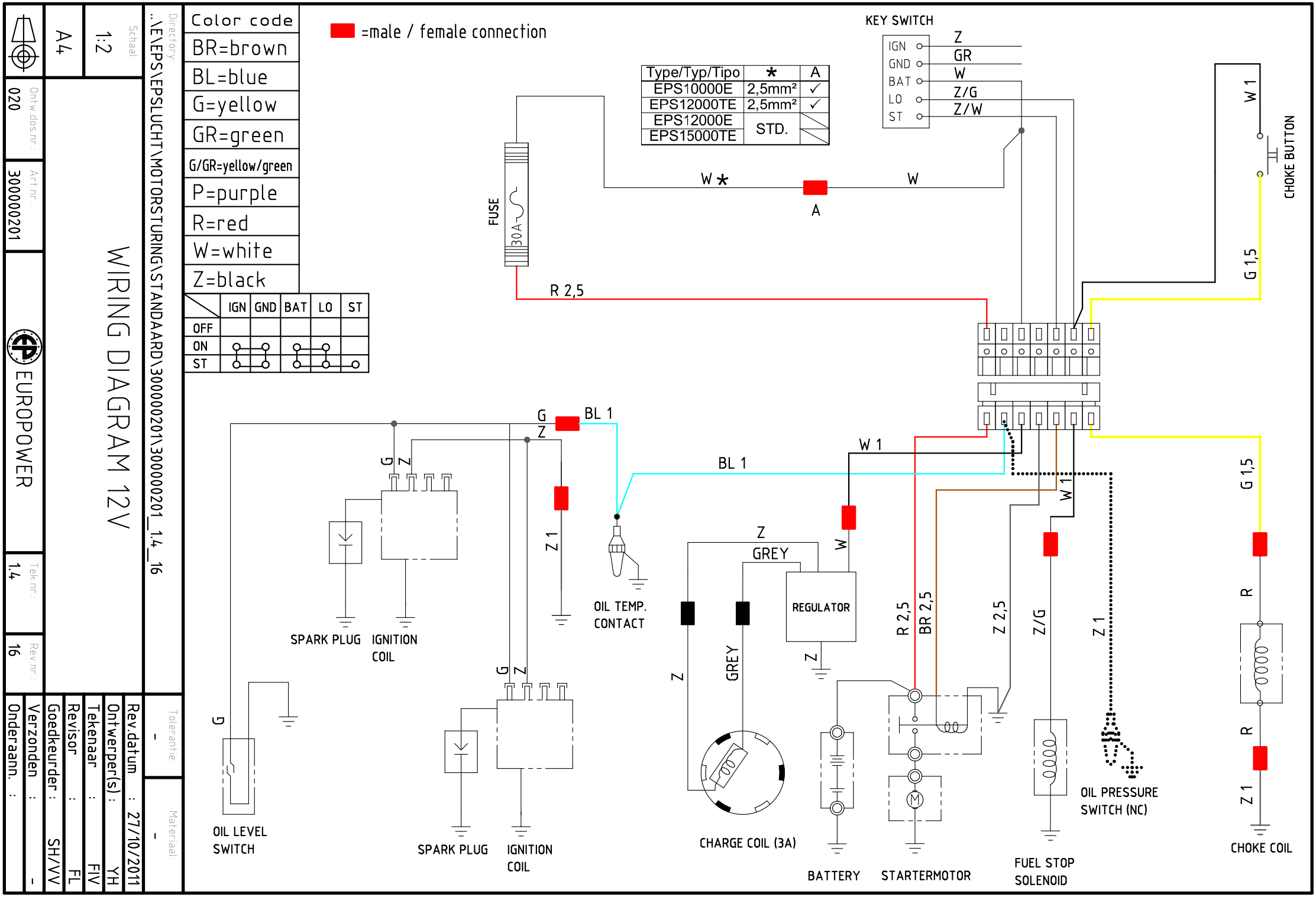
To prevent fuel spillage when transporting or during temporary storage, the generator should be secured upright in its normal operating position, with the engine switch in position “OFF”.

When transporting the generators:

- Close the fuel cock
- Do not overfill the tank (there may not be any fuel in the filler neck).
- Do not use the generator while it is placed in a vehicle.
- Take the generator off the vehicle and use it in a well-ventilated place.
- When placing the generator in a vehicle, avoid a place exposed to direct sunlight. When the generator is left in an enclosed vehicle for a longer period of time, high temperature inside the vehicle could cause fuel to vaporise resulting in a possible explosion.
- Do not drive on a rough road for an extended period with the generator on board. If you must transport the generator on a rough road, drain the fuel from the generator beforehand.

Before storing the unit for an extended period (> 2 months):

- Make sure the storage area is free of excessive humidity and dust.
- For gasoline generating sets: drain the fuel.
- Drain all gasoline from the fuel tank into an approved gasoline container.
- Turn the fuel cock “ON”, loosen the carburettor drain screw and drain the gasoline from the carburettor into a suitable container.
- Turn the fuel cock “OFF” and tighten the carburettor drain screw securely.
- ***WARNING***
  Gasoline is extremely flammable and explosive under certain conditions. Do not smoke or allow flames or sparks in the area.
- Remove the spark plugs and pour about a tablespoon of clean engine oil into the cylinders. Crank the engine several revolutions to distribute the oil, then reinstall the spark plugs.
- Reinstall the spark plug caps on the spark plugs securely.
- Refresh the engine oil.
- Remove the battery and connect it to a battery charger. This way you will increase the life span of the battery.


WIRING DIAGRAM 12V
EUROPOWER
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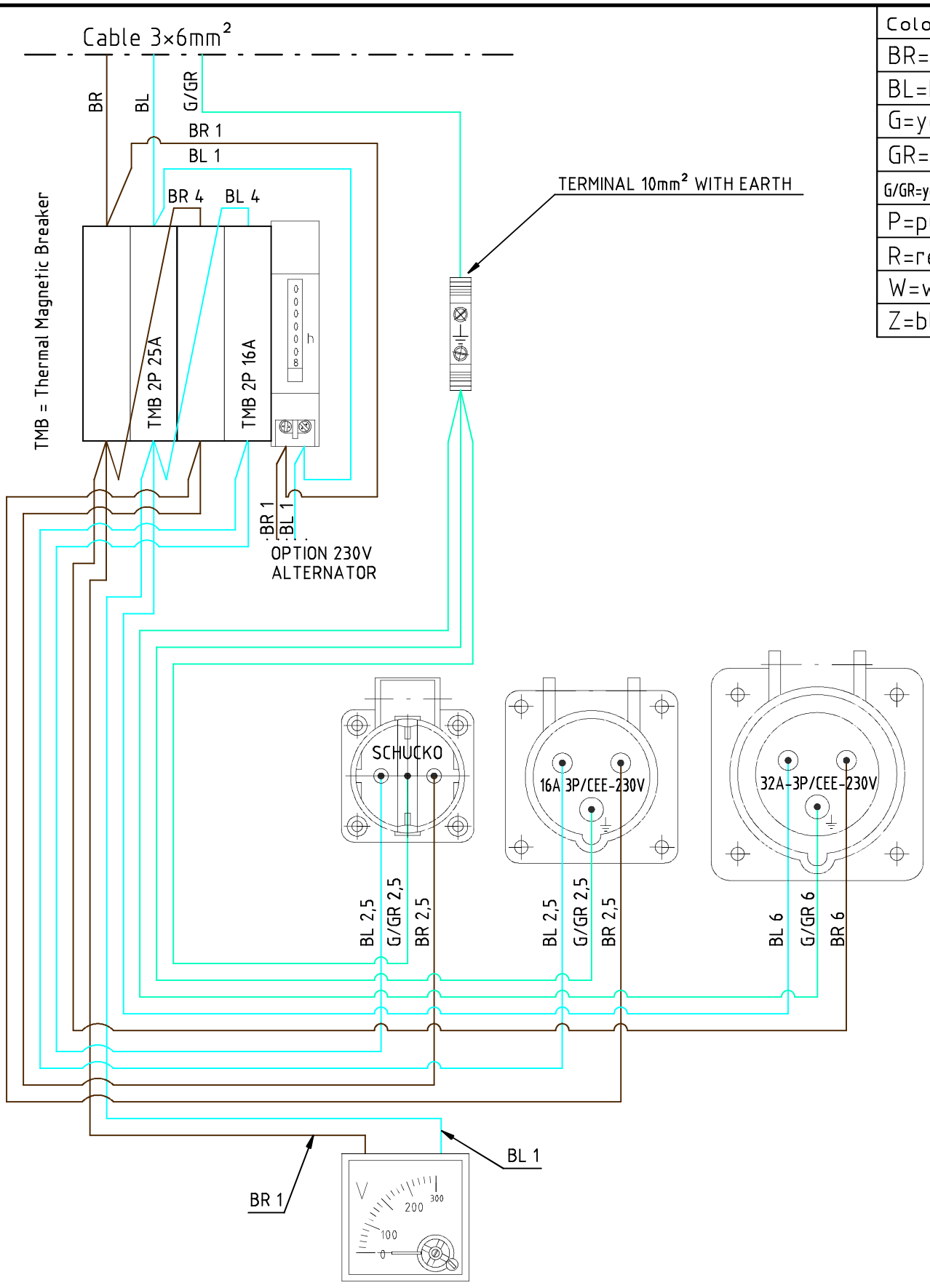
Art.nr.: 300000201
Tek.nr.: 1.4
Rev.nr.: 16
A4
Schaal: 1:2
Directory: ..\EVEPS\EPSLUCHT\MOTORSTURING\STANDAARD\300000201\300000201_1.4_16
Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
P=purple
R=red
W=white
Z=black
=male / female connection
Type/Typ/Tipo | * | A
EPS10000E | 2,5mm² | ✓
EPS12000TE | 2,5mm² | ✓
EPS12000E | STD. |
EPS15000TE | STD. |
IGN GND BAT LO ST
OFF
ON
ST
KEY SWITCH
IGN
GND
BAT
LO
ST
Z
GR
W
Z/G
Z/W
FUSE
30A
W *
A
W
R 2,5
W 1
CHOKE BUTTON
G 1,5
G
Z
BL 1
Z 1
SPARK PLUG
IGNITION COIL
OIL TEMP. CONTACT
W 1
BL 1
Z
GREY
W
REGULATOR
R 2,5
BR 2,5
Z 2,5
Z/G
W 1
Z 1
G 1,5
R
R
Z 1
OIL LEVEL SWITCH
SPARK PLUG
IGNITION COIL
CHARGE COIL (3A)
BATTERY
STARTERMOTOR
FUEL STOP SOLENOID
OIL PRESSURE SWITCH (NC)
CHOKE COIL
Rev.datum : 27/10/2011
Ontwerper(s): YH
Tekenaar : FIV
Revisor : FL
Goedkeurder : SH/VV
Verzonden : -
Onderaann. : -
Tolerantie: -
Materiaal: -



Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
P=purple
R=red
W=white
Z=black

Directory: ..\E\EPS\EPSLCHT\VERMOGENSCHEMA\STANDAARD\990001011\990001011_1.1_1._06

Tolerantie: -

Materiaal: -

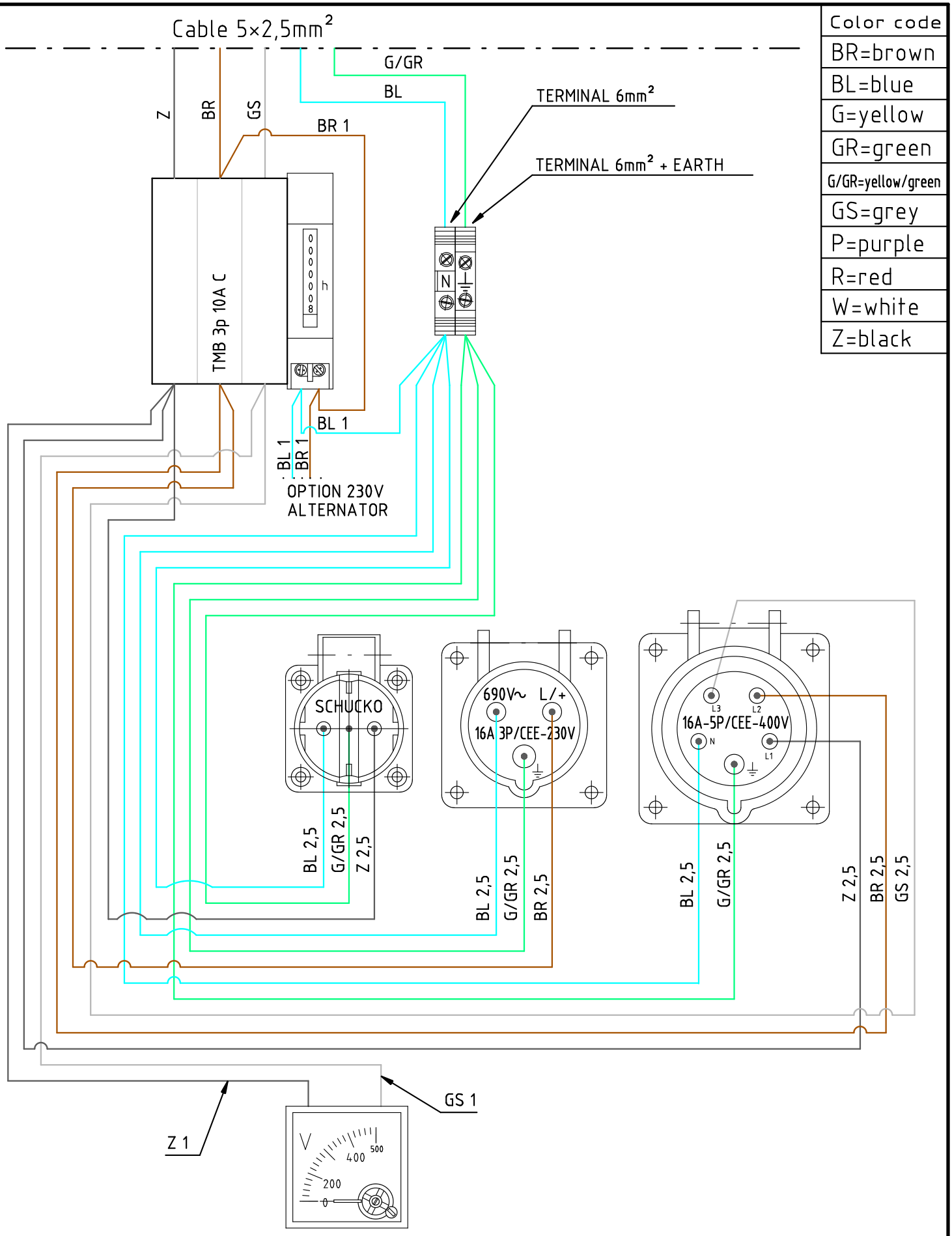
Schaal: 1:2

A4

WIRING DIAGRAM 230V FOR EPS10000E H/MA

Rev.datum	: 28/05/2004
Ontwerper(s)	: BL
Tekenaar	: VV
Revisor	: EC
Goedkeurder	: WG
Verzonden	: -
Onderaann.	:

Ontw.dos.nr.:	Art.nr.:		Tek.nr.:	Rev.nr.:
067	990001011	EUROPOWER	1.1 1.	06



Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
GS=grey
P=purple
R=red
W=white
Z=black

Directory:
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Tolerantie: -

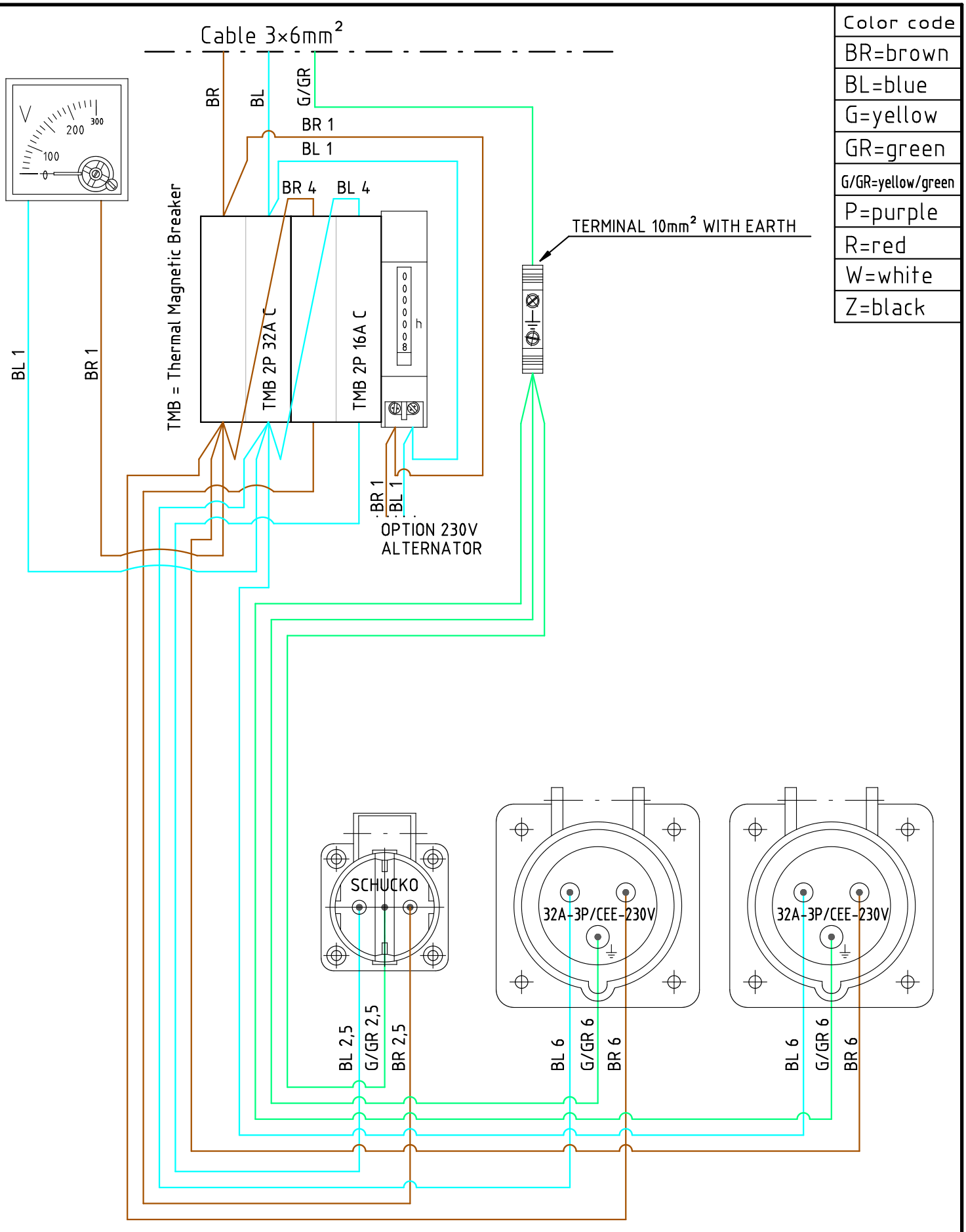
Materiaal: -

WIRING DIAGRAM 230V-400V

FOR EPS12000TE

Rev.datum	: 25/11/2013
Ontwerper(s)	: YH
Tekenaar	: HZ
Revisor	: HZ
Goedkeurder	: DP/SH
Verzonden	: -

A4	Schaal 1:1	Ontw.dos.nr.: 067	Art.nr.: 990001213	EUROPOWER	Tek.nr.: 1.1	Rev.nr.: 01



Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
P=purple
R=red
W=white
Z=black

Directory: ..\E\EPS\EPSLCHT\VERMOGENSCHEMA\STANDAARD\950001211\950001211_1.1_1._00

Tolerantie: -

Materiaal: -

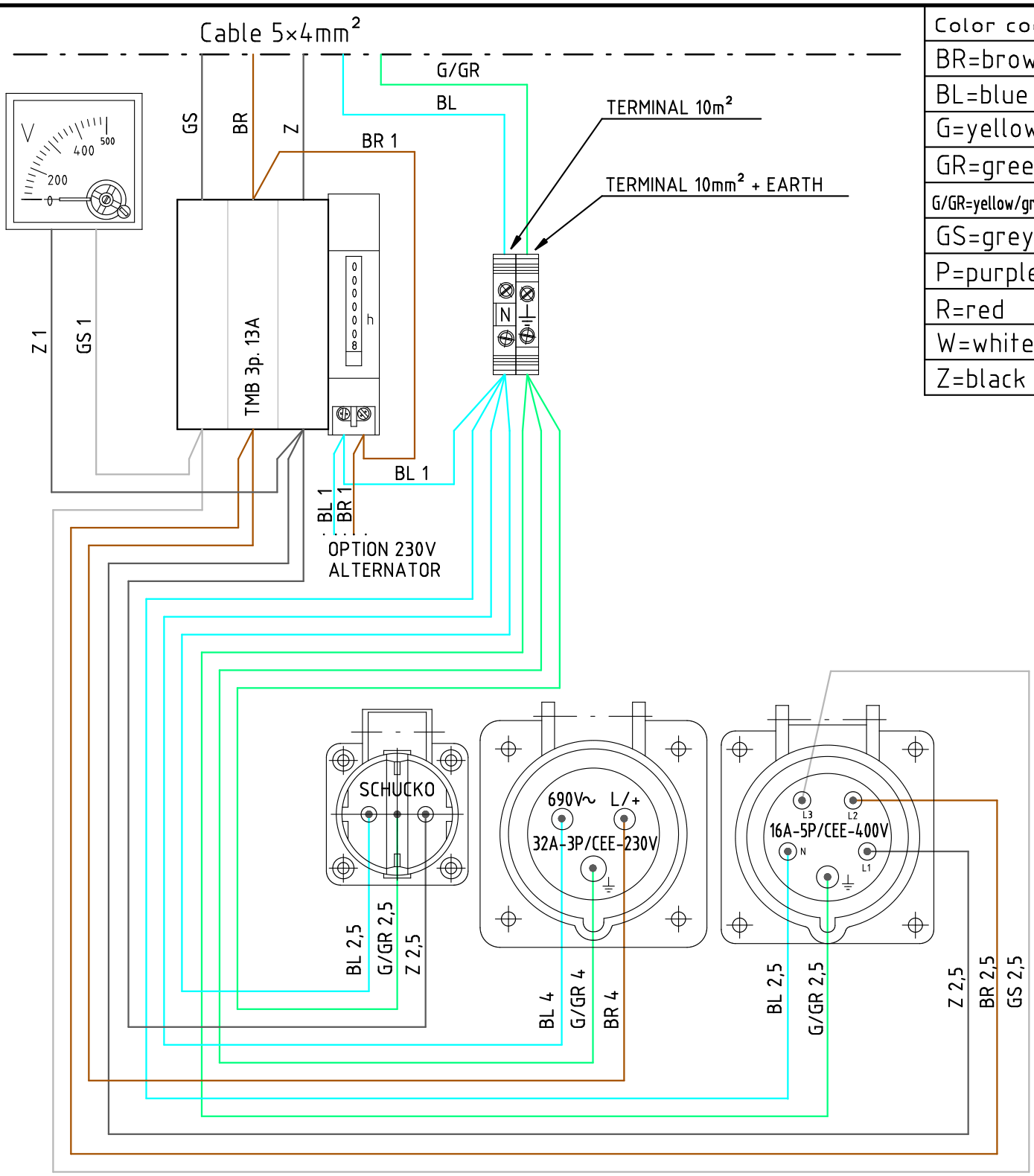
Schaal: 1:2

A4

WIRING DIAGRAM 230V FOR EPS12000E

Rev.datum	: 22/11/2006
Ontwerper(s)	: BL
Tekenaar	: MH
Revisor	: -
Goedkeurder	: BL
Verzonden	: -
Onderaann.	:

Ontw.dos.nr.:	Art.nr.:		Tek.nr.:	Rev.nr.:
-	950001211	EUROPOWER	1.1 1.	00



Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
GS=grey
P=purple
R=red
W=white
Z=black

Directory: ..\E\EPS\EPSLCHT\VERMOGENSCHEMA\STANDAARD\950001513\950001513_1.1._01

Tolerantie: -

Materiaal: -

Schaal: 1:2

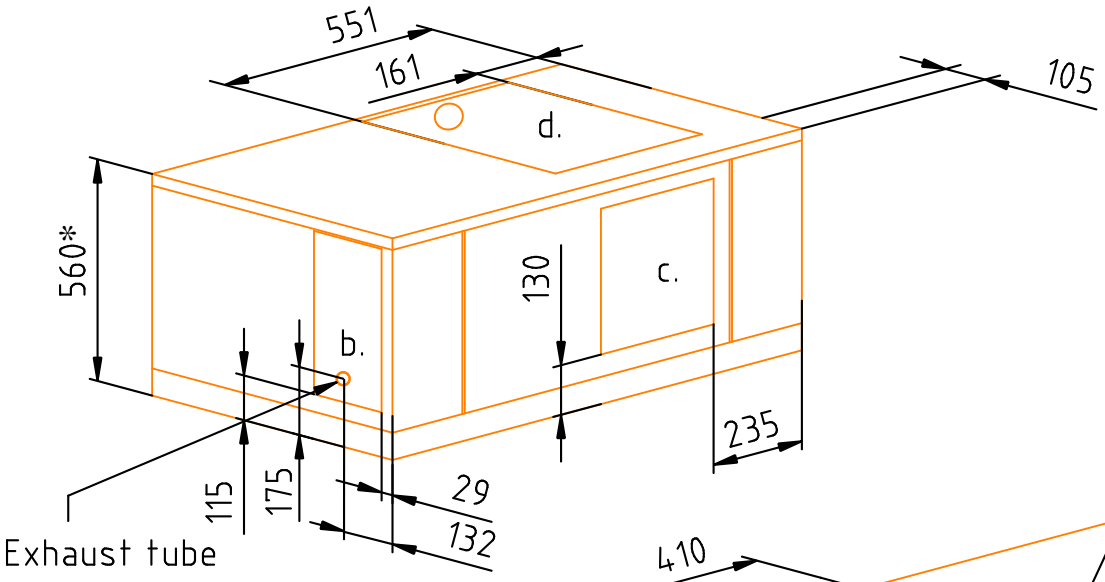
A4

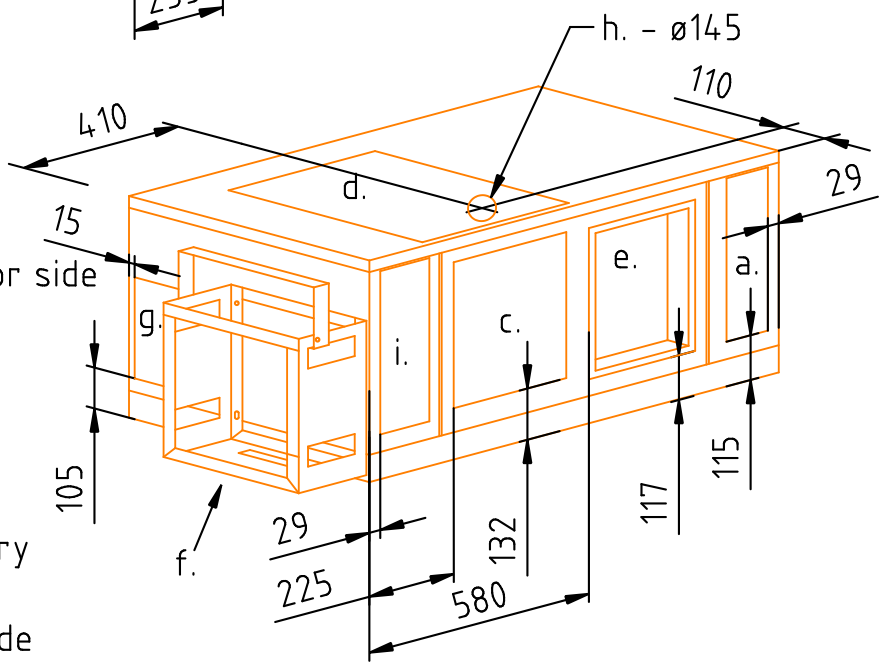
WIRING DIAGRAM 230V-400V

FOR EPS15000TE

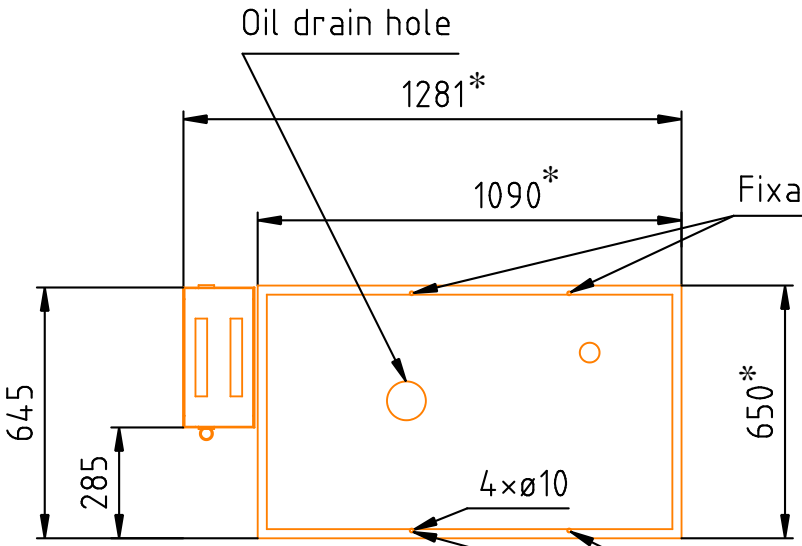
Rev.datum	: 30/10/2013
Ontwerper(s)	: VV
Tekenaar	: HZ
Revisor	: FL
Goedkeurder	: DP/FL
Verzonden	: -
Onderaann.	:

Ontw.dos.nr.:	Art.nr.:		Tek.nr.:	Rev.nr.:
112	950001513	EUROPOWER	1.1.	01





a. 110×361, air intake grid alternator side
b. 180×385, air outlet grid
c. 300×375, inspection hatch (2x)
d. 340×480, inspection hatch
e. 283×389, control panel
f. 402×481, tank support
g. 240×260, inspection hatch battery
h. ø145, inspection hatch oil level
i. 130×420, air intake grid engine side

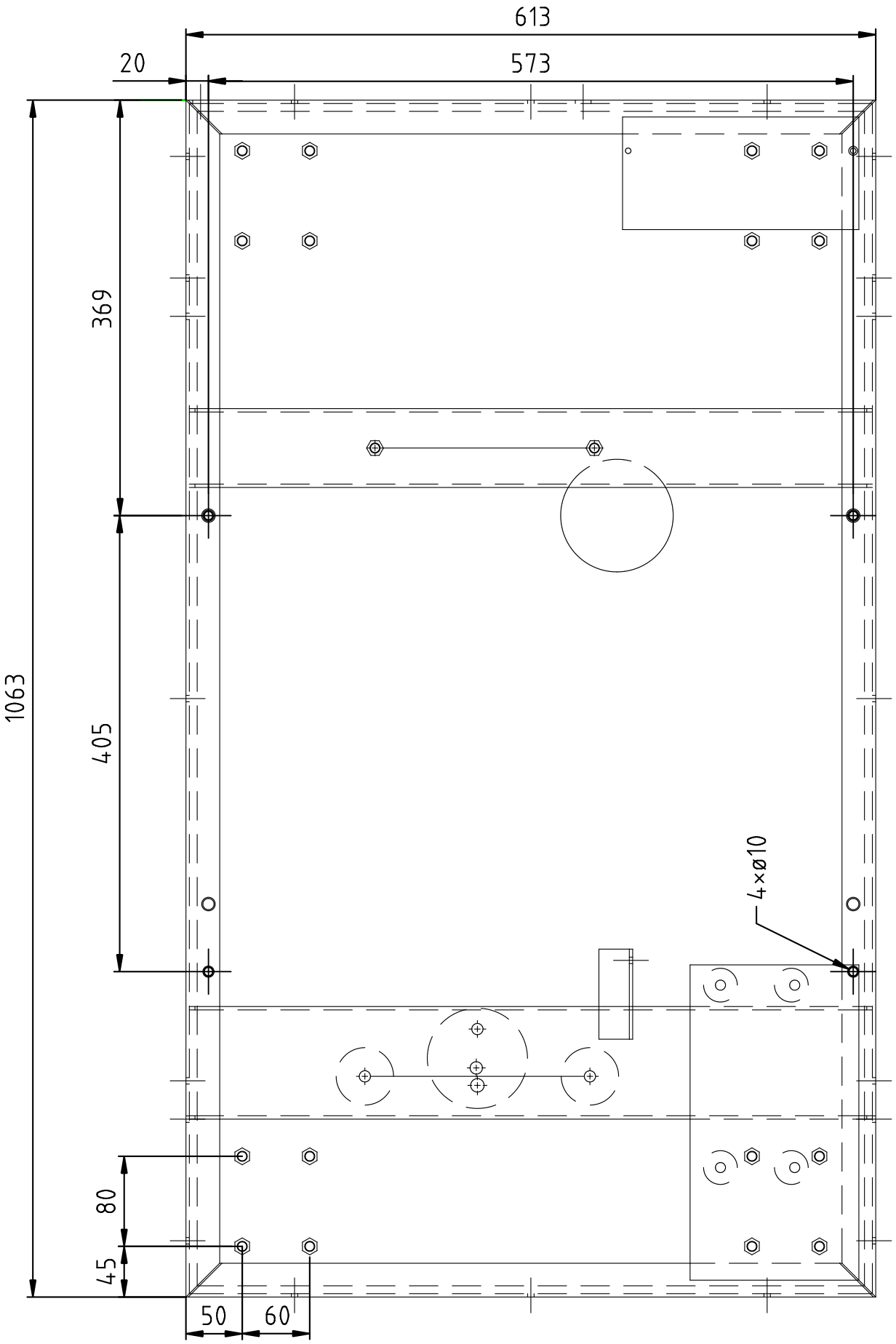


BOTTOM VIEW

* Main dimensions (l×w×h)
with bolts included!

– øexhaust tube 35mm/32mm
(outsideø/insideø)

Directory: ..\INBOUW\EPS\980001013\980001013_1.2_03					Tolerantie: -	Materiaal: -
Schaal: 1:20	MAIN DIMENSIONS				Rev.datum : 12/01/2011	
A4	EPS10000E / 12000TE - GX630				Ontwerper(s) : HY	
					Tekenaar : MH	
					Revisor : MH	
					Goedkeurder : DP/SH	
	Ontw.dos.nr.: 037	Art.nr.: 980001013	EUROPOWER	Tek.nr.: 1.2	Rev.nr.: 03	Verzonden : -
						Onderaann. : Totaal



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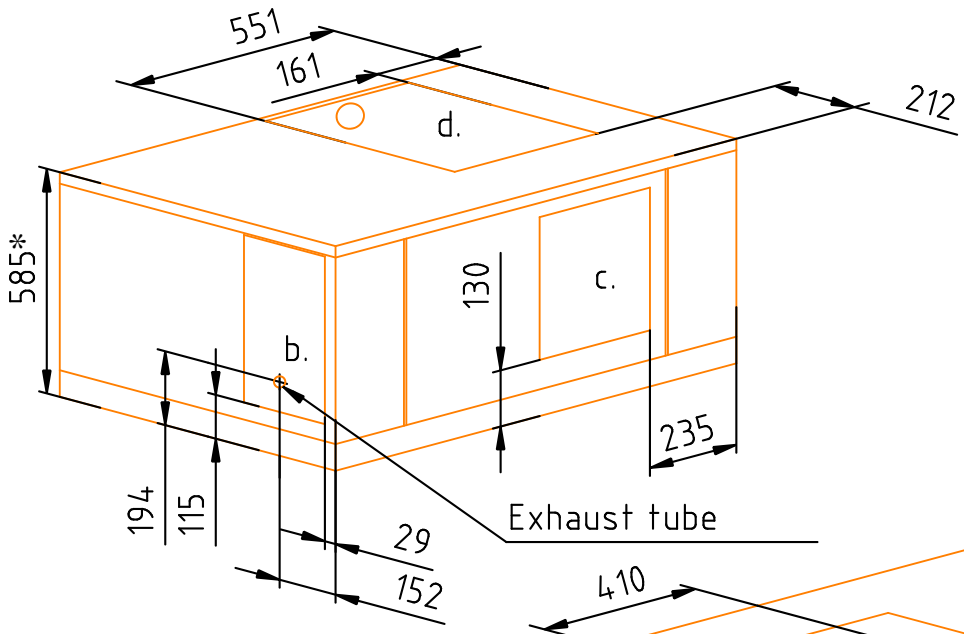
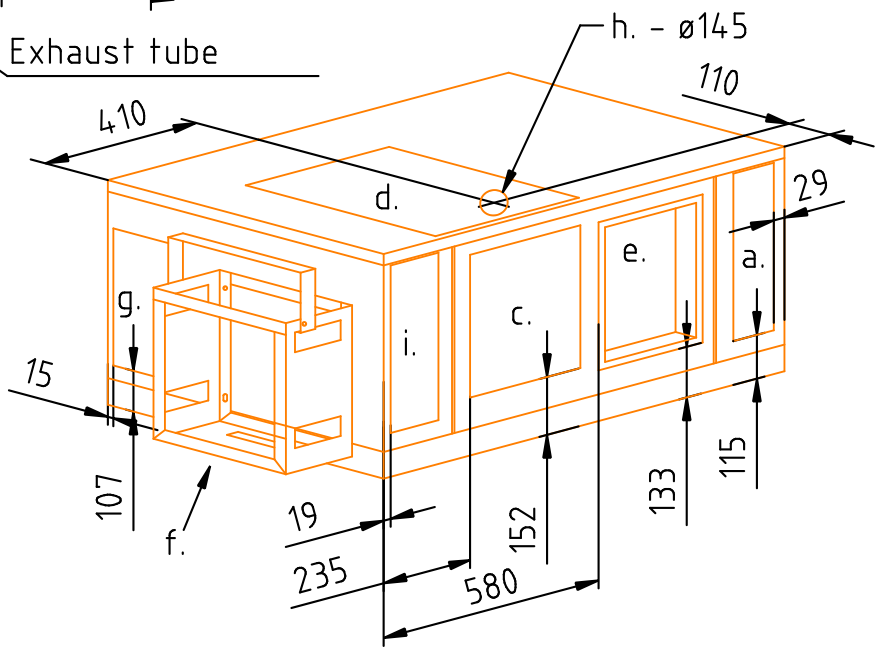
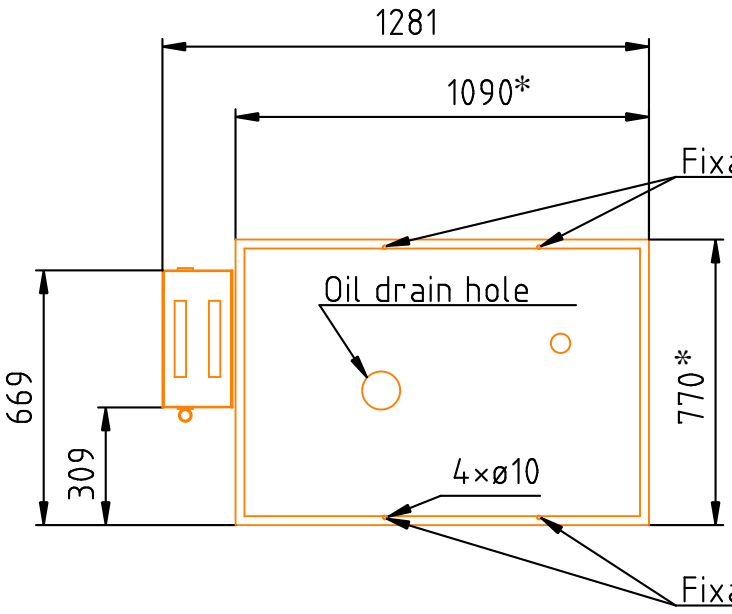
Schaal: 1:5	MOUNTING HOLES			Rev.datum : 12/01/2011	
A4	EPS10000E/12000TE - GX630			Ontwerper(s) : MH	
				Tekenaar : MH	
				Revisor : MH	
				Goedkeurder : DP/SH	
	Ontw.dos.nr.: 037	Art.nr.: 980001013	EUROPOWER	Tek.nr.: 2.2.	Rev.nr.: 03
				Verzonden : -	
				Onderaann. : Totaal	





a. 110×420, air intake grid alternator side
b. 220×420, air outlet grid
c. 300×375, inspection hatch (2×)
d. 390×515, inspection hatch
e. 283×389, control panel
f. 402×481, tank support
g. 240×360, inspection hatch battery
h. ø145, inspection hatch oillevel
i. 130×420, air intake grid engine side



BOTTOM VIEW

* Main dimensions (l×w×h)
with bolts included!

– øexhaust tube 35mm/32mm
(outsideø/insideø)

Directory: ..\INBOUW\EPS\950001513\950001513_1.2_02

Tolerantie: -

Materiaal: -

Schaal: 1:20

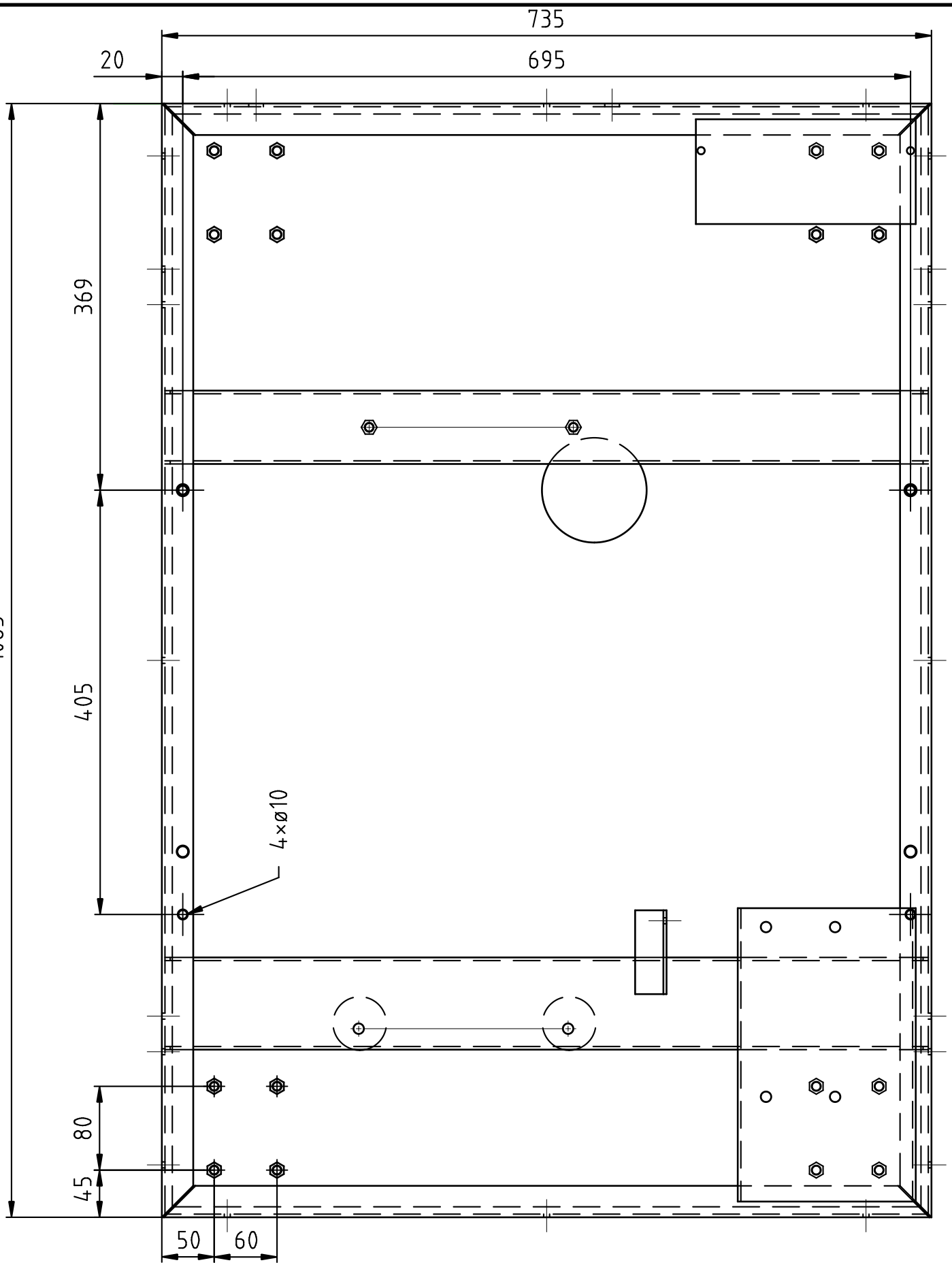
A4

MAIN DIMENSIONS

EPS15000TE / 12000E - GX690

Rev.datum : 06/10/2010
Ontwerper(s) : WG
Tekenaar : MH
Revisor : MH
Goedkeurder : DP/SH
Verzonden : -
Onderaann. : Totaal

Ontw.dos.nr.:	Art.nr.:		Tek.nr.:	Rev.nr.:
112	950001513	EUROPOWER	1.2	02



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Schaal: 1:5	MOUNTING HOLES				Rev.datum : 06/10/2010
A4	EPS15000TE/12000E - GX690				Ontwerper(s) : MH Tekenaar : MH Revisor : MH Goedkeurder : DP/SH
	Ontw.dos.nr.: 112	Art.nr.: 950001513	EUROPOWER	Tek.nr.: 2.2.	Rev.nr.: 02	Verzonden : - Onderaann. : Totaal