BASE LOAD POWER HUB (BLPH)

TR-200DE1 General arrangement drawings

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	17/05/24	ML	MF	MF	ACCEPTED FOR CONSTRUCTION (AFC)
03	10/04/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
02	08/03/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
01	19/01/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
00	13/12/23	ML	MF	MF	ISSUE FOR REVIEW (IFR)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DA-00007

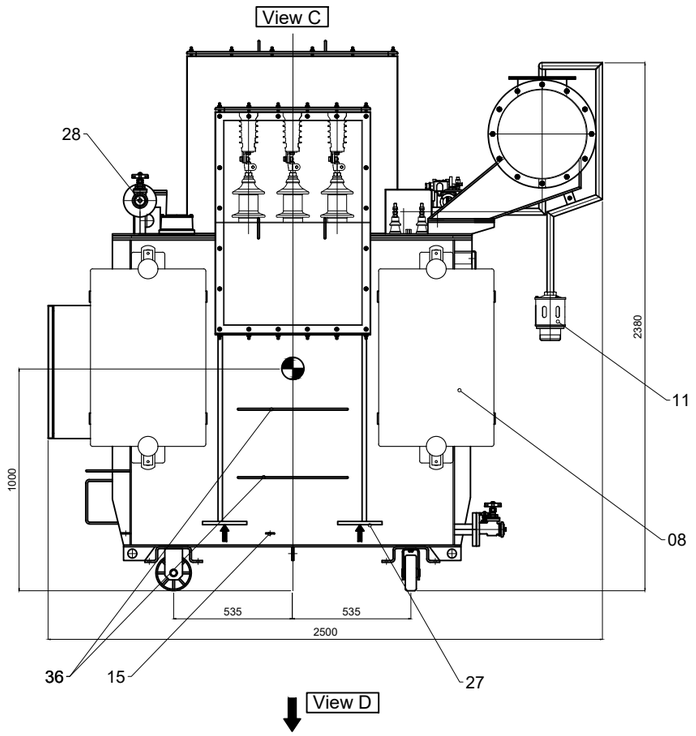
SHEET 001

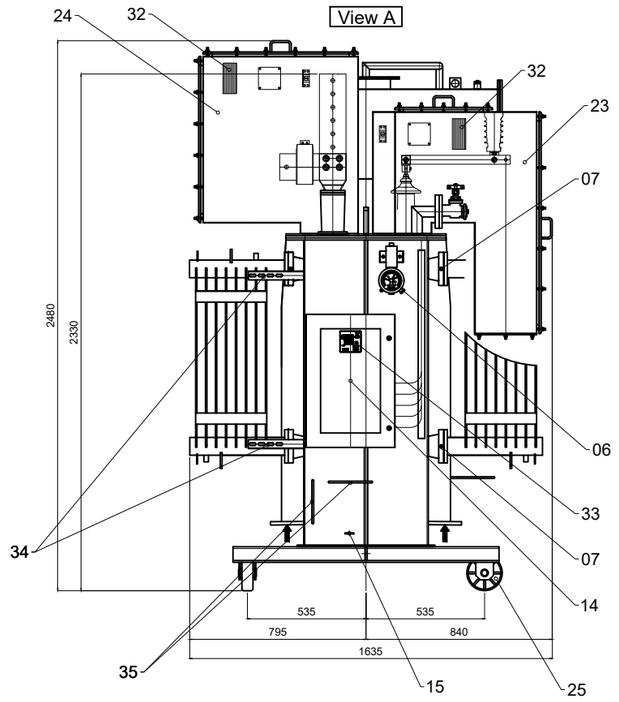
REV. 04

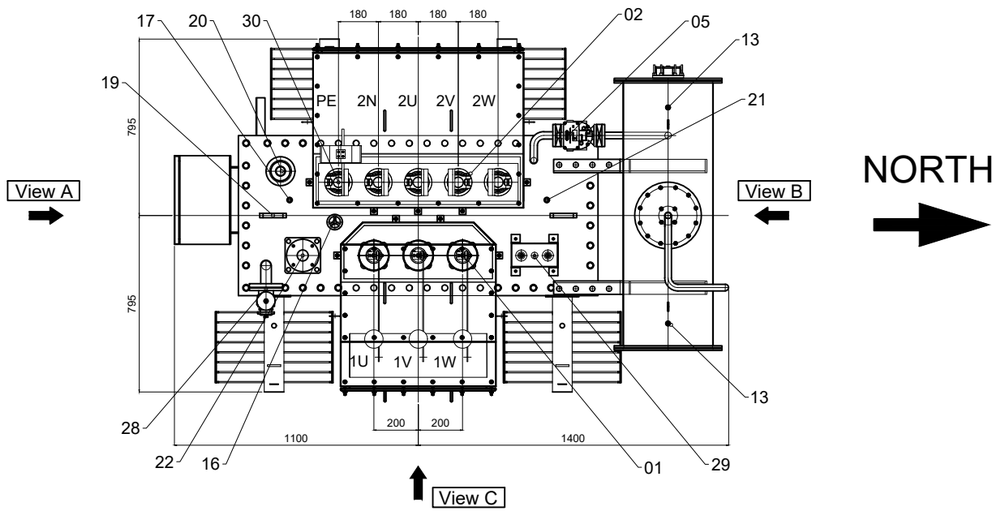
F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DA-00007 Rev. 04

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04	001	FRONT PAGE	
04	002	SUMMARY and GENERAL NOTES	
04	003	GENERAL ARRANGEMENT	
04	004	GENERAL ARRANGEMENT	
04	005	EQUIPMENT LIST	
04	006	H.V. 6.6kV - PROTECTION BOX DETAIL	
04	007	L.V. 420V - PROTECTION BOX DETAIL	
04	008	DETAIL BASE FRAME	
04	009	RATING PLATE	







NORTH

Note:

- Rated power:	1600kVA
- Rated voltage:	6600±2x2.5% / 0.42kV
- Vector group:	Dyn11
- Oil weight:	750kg
- Total weight:	5050kg
- Painting:	RAL7031 (Cl. CX)
- Short circuit impedance:	6%
- Item trafo:	TR-200DE1
Tolerance:	±20mm

MF Trasformatori srl

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ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/04/24	ML	MF	MF	
02	08/03/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
01	19/01/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
00	13/12/23	ML	MF	MF	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
GENERAL ARRANGEMENT

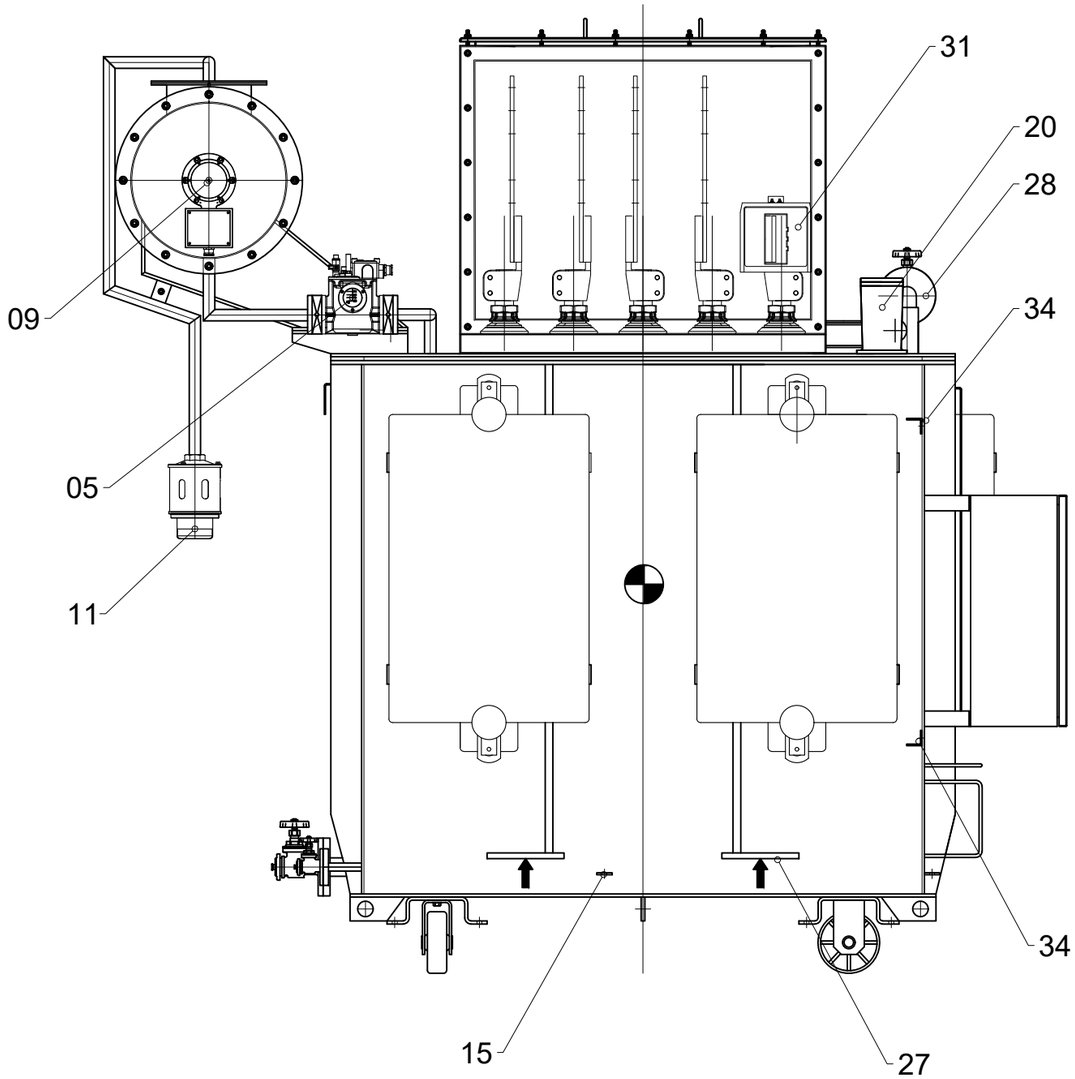
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

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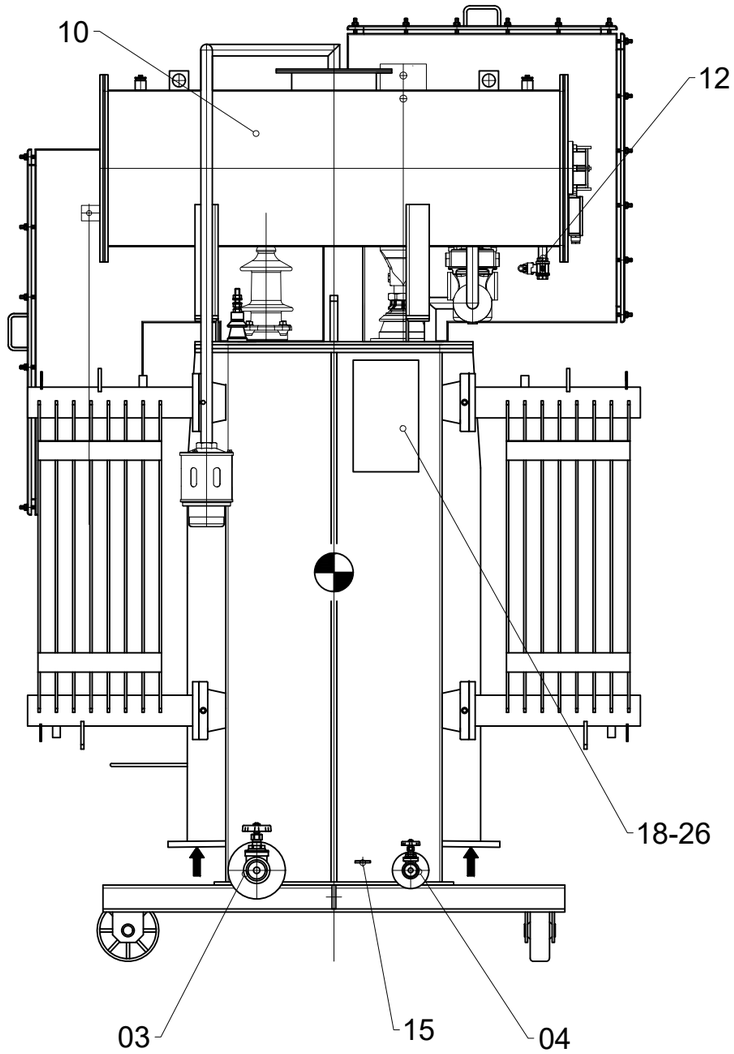
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F.to UNI A3: 420mmx297mm

View D



View B



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
GENERAL ARRANGEMENT

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DA-00007

SHEET 004

REV.

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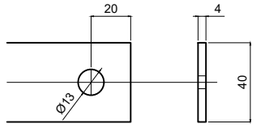
EQUIPMENT LIST

ITEM	DESCRIPTION	N°	SUPPLIER	TYPE
01	H.V. terminals - 6kV (1U-1V-1W) with extention copper bars	03	BARBERI	UNEL 12kV / 630A
02	L.V. terminals - 420V (2U-2V-2W-2N) with extention copper bars	04	BARBERI	DIN 1kV / 3150A
03	Oil drain valve	01	BARBERI	DN25-PN10
04	Oil sampling valve	01	BARBERI	DN15-PN10
05	Bucholz relay with 2 contacts, with valves	01	COMEM	C1
06	Thermometer with 2 contacts	01	TERMAF	TDT/A1-DN100
07	Interception radiator valve	08	ETI	WU080
08	Radiator	04	WARM	7 El. - Int. 800
09	Oil level indicator with 2 contacts	01	COMEM	LA14XON
10	Oil conservator with oil/air insulation membrane	01	MF	
11	Dehydrating breather - Silicagel	01	COMEM	EM1DB
12	Conservator oil drain valve	01	MF	1/2"
13	Conservator vent valve	01	MF	1/2"
14	Auxiliary panel - CP-200E1	01	MF	IP55
15	Earthing terminals	04	MF	Stainless steel 40x30x5 n.1 hole Ø13
16	No load tap changer	01	EMC	335.20/M6 - 90A - 5 pos.
17	Thermal pocket for pos. 6	01	MF	3/4"
18	Rating plate	01	MF	
19	Lifting eyebolts transformer / internal part	02	MF	Ø60
20	Pressure relay with 1 contact	01	QUALITROL	900-FLA-T-NO-STD

ITEM	DESCRIPTION	N°	SUPPLIER	TYPE
21	Thermal pocket	01	MF	3/4"
22	Terminal box signal PT100 - windings / core	02	ETI	SM2-S
23	Protection box - HV terminals	01	MF	IP55
24	Protection box - LV terminals	01	MF	IP55
25	Bi-directional wheels	04	CDR	Ø160 - L=50
26	Tag plate	01	MF	
27	Jacking pads	04	MF	200x150x15
28	Oil treatment valve	01	BARBERI	DN25-PN10
29	Core earthing terminals	02	MF	
30	PE terminal with extention copper bar	01	BARBERI	DIN 1kV / 3150A
31	Current transformer - 2500/1A, 6VA, 5P20	01	FRER	TAT127
32	Heating element with thermostat	02	MF	
33	Windiing temperature indicator	01	TECSYSTEM	T154
34	Support for cable duct	02	MF	
35	Support for auxiliary cables	02	MF	
36	Support for H.V. 6kV cables	02	MF	

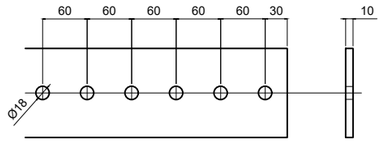
Pos. 01
Detail MV terminal

Copper bar 40x4



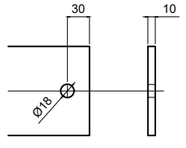
Pos. 02
Detail LV terminal

Copper bar 120x10

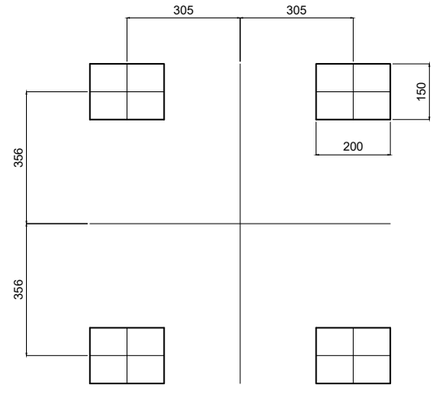


Pos. 30
Detail LV terminal

Copper bar 120x10



Pos. 27
Detail Jacking pads



MF Trasformatori srl

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ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/04/24	ML	MF	MF	
02	08/03/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
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00	13/12/23	ML	MF	MF	ISSUE FOR REVIEW (IFR)

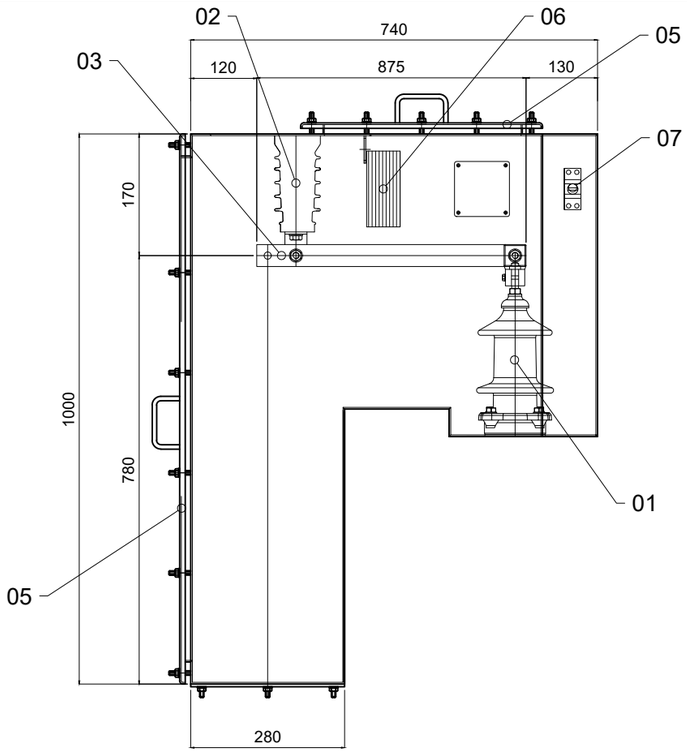
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TR-200DE1 General arrangement drawings
EQUIPMENT LIST

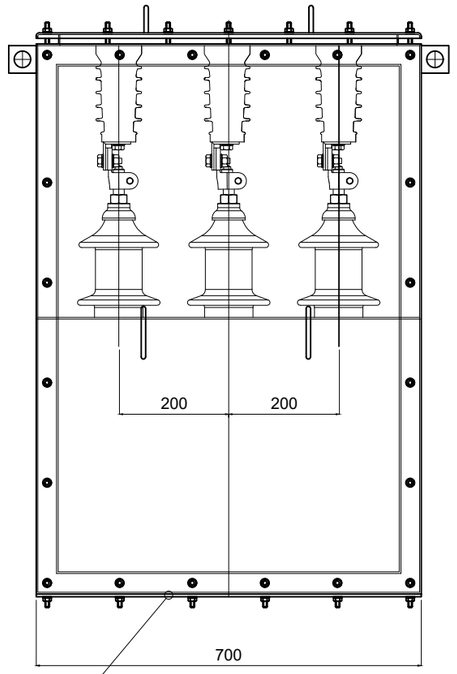
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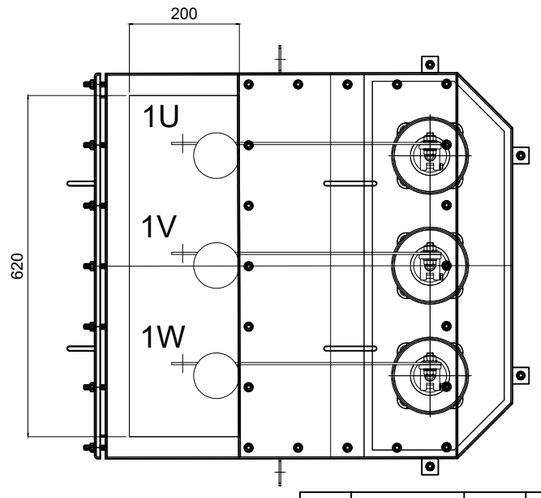
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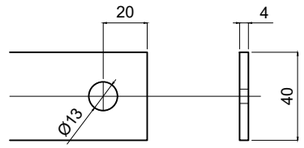
F.to UNI A3: 420mmx297mm







Copper bar 40x4



Item	Description	Q.ty	Type
01	HV Terminal	3	UNEL 12kV/250A
02	Support bushing	3	IPA 12kV
03	Copper bar	3	Cu 40x4mm
04	Cable inlet plate	1	Aluminium - th. 5mm
05	Removable plate	2	Painted steel - th. 3mm
06	Heating element	1	100W
07	Thermostat	1	

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/04/24	ML	MF	MF	
02	08/03/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
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00	13/12/23	ML	MF	MF	ISSUE FOR REVIEW (IFR)

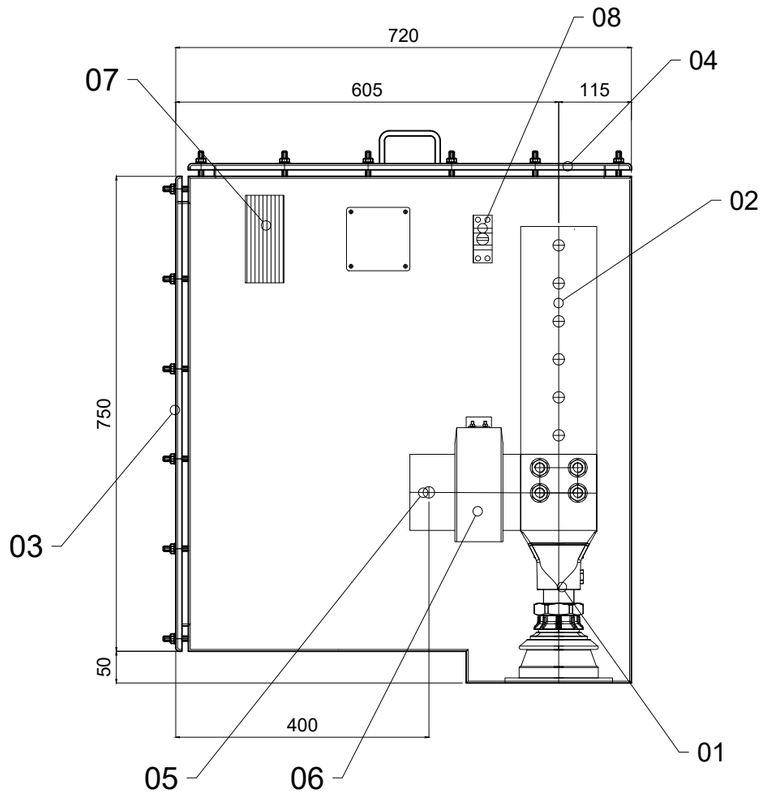
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TR-200DE1 General arrangement drawings
H.V. 6.6kV – PROTECTION BOX DETAIL

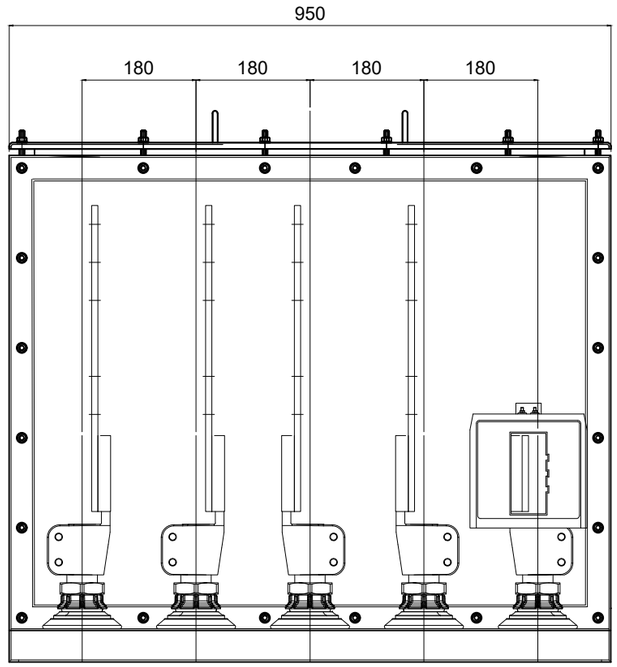
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A3 | DRAWING NO. 1723001697-EL-DA-00007 | SHEET 006 | REV.

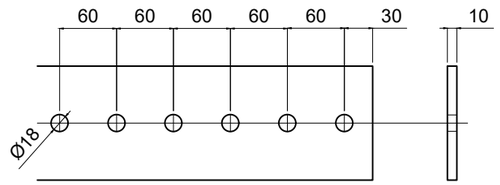
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F.to UNI A3: 420mmx297mm

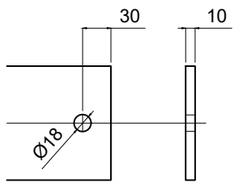


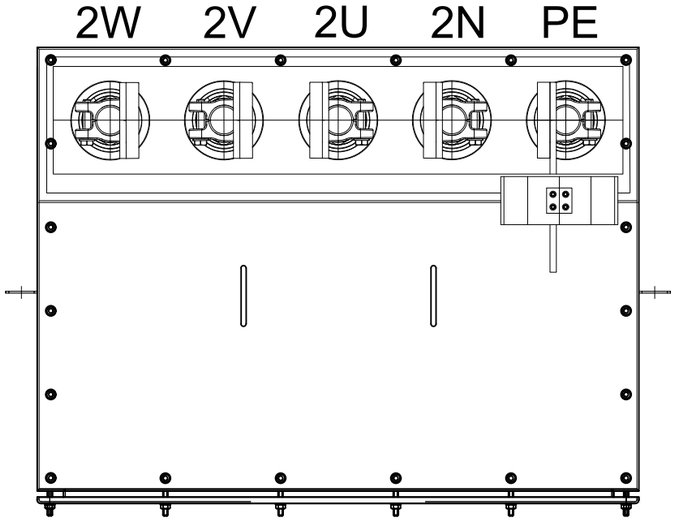


Copper bar 120x10



Copper bar 120x10





Item	Description	Q.ty	Type
01	LV Terminal	5	DIN 1kV/3150A
02	LV copper bar	4	Cu 120x10mm
03	Cable inlet plate	1	Aluminium - th. 5mm
04	Removable plate	1	Painted steel - th. 3mm
05	PE copper bar	1	Cu 120x10mm
06	Current transformer	1	2500/1A - 6VA - 5P20
07	Heating element	1	100W
08	Thermostat	1	

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/04/24	ML	MF	MF	
02	08/03/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
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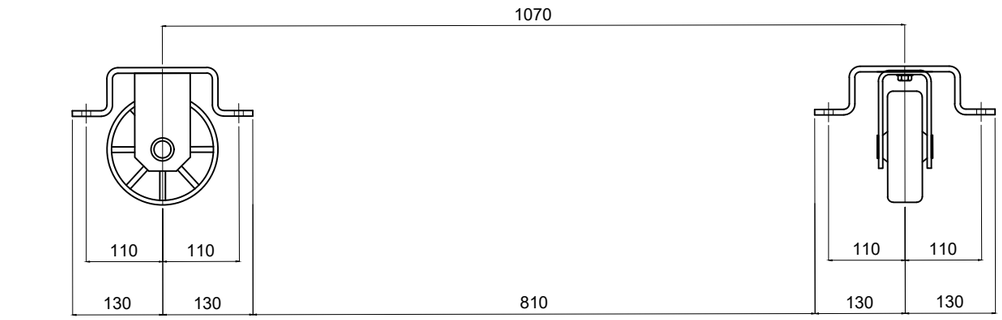
TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
L.V. 420V - PROTECTION BOX DETAIL

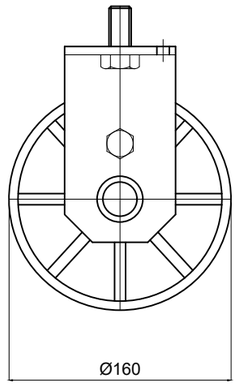
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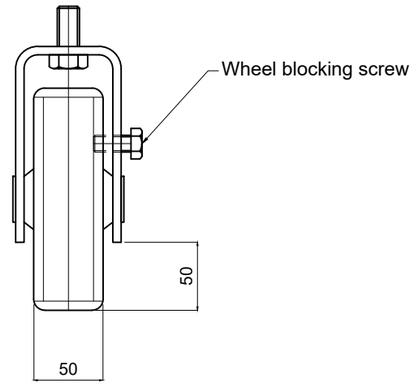
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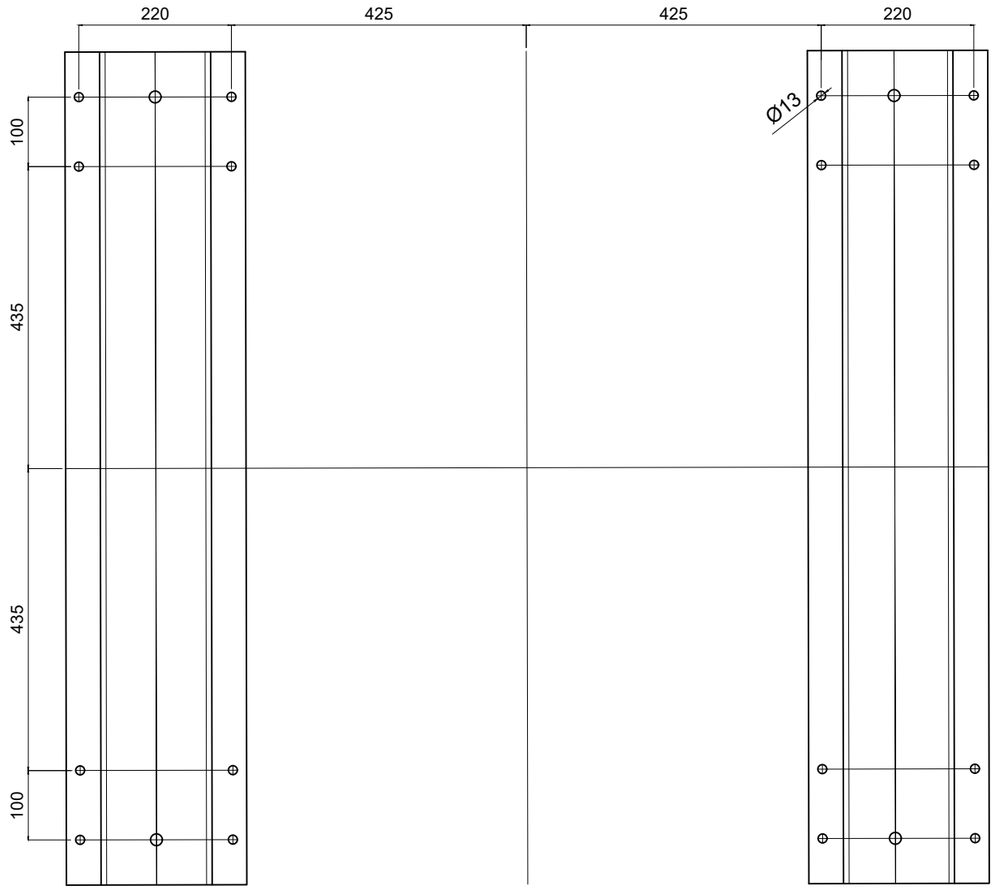
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F.to UNI A3: 420mmx297mm









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MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
DETAIL BASE FRAME

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

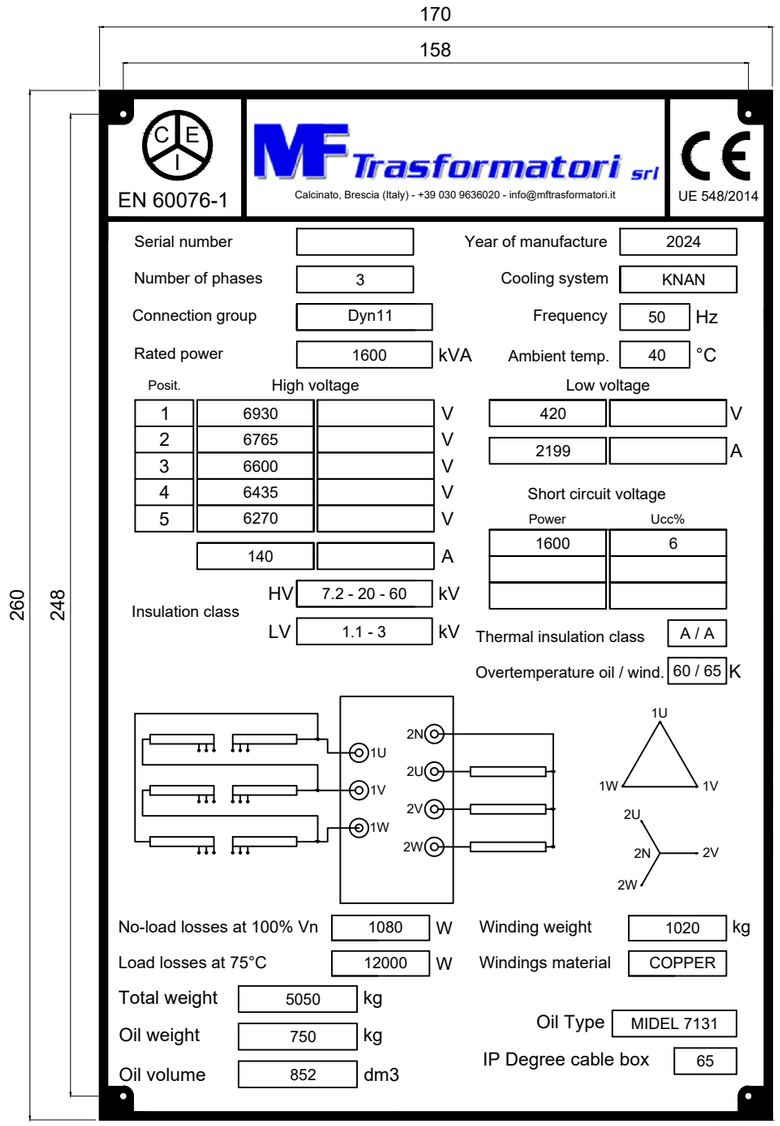
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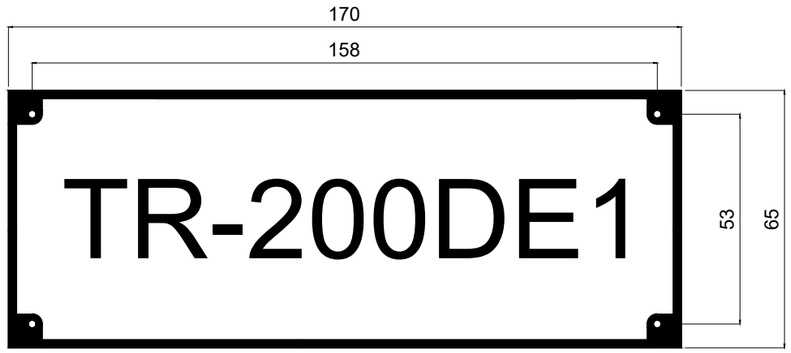
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REV.

F.to UNI A3: 420mmx297mm

File Name :





Note:
- Material: stainless steel
- black writing on a neutral background

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200DE1 General arrangement drawings
RATING PLATE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DA-00007

SHEET 09

REV.

File Name :

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