BASE LOAD POWER HUB (BLPH)

TR-200ED1 General arrangement drawings

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	17/05/24	ML	MF	MF	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/04/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
00	07/02/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 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-00008

SHEET 001

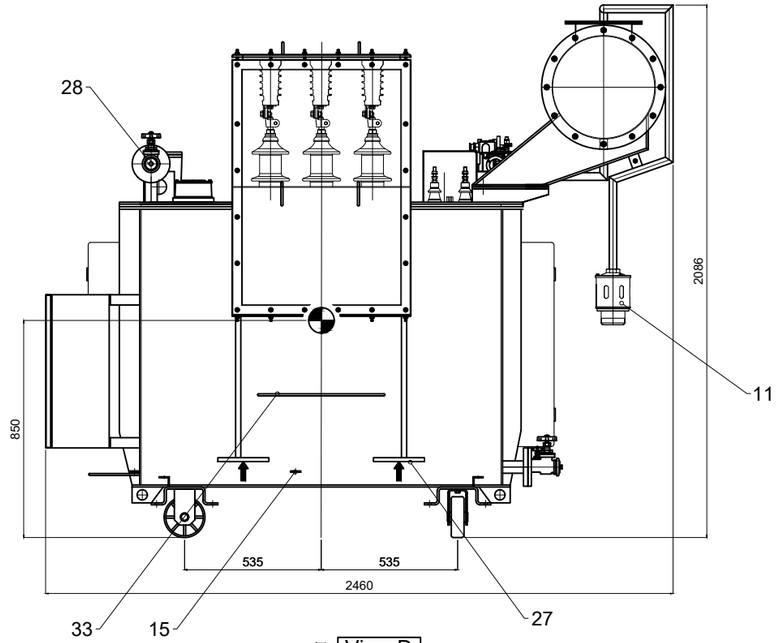
REV. 02

File Name : 1723001697-EL-DA-00008 Rev. 02

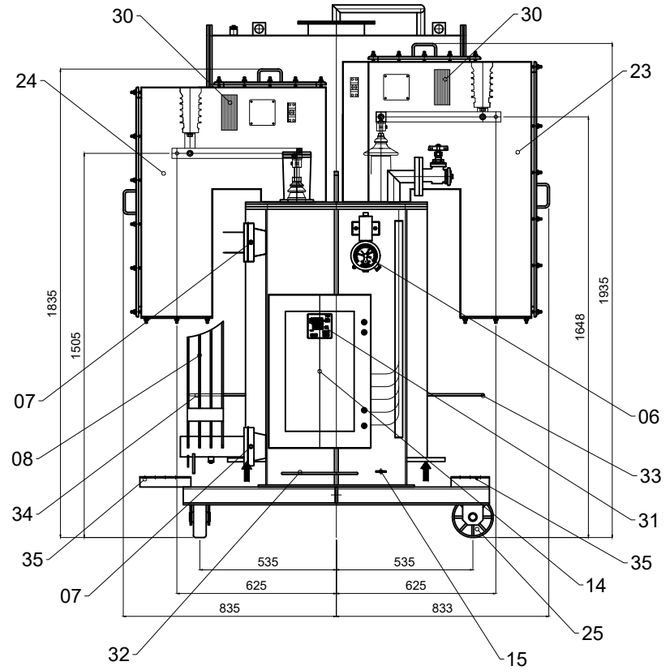
F.to UNI A3: 420mmx297mm

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
02	001	FRONT PAGE	
02	002	SUMMARY and GENERAL NOTES	
02	003	GENERAL ARRANGEMENT	
02	004	GENERAL ARRANGEMENT	
02	005	EQUIPMENT LIST	
02	006	H.V. 6.6 kV - PROTECTION BOX DETAIL	
02	007	L.V. 800V - PROTECTION BOX DETAIL	
02	008	DETAIL BASE FRAME	
02	009	RATING PLATE	

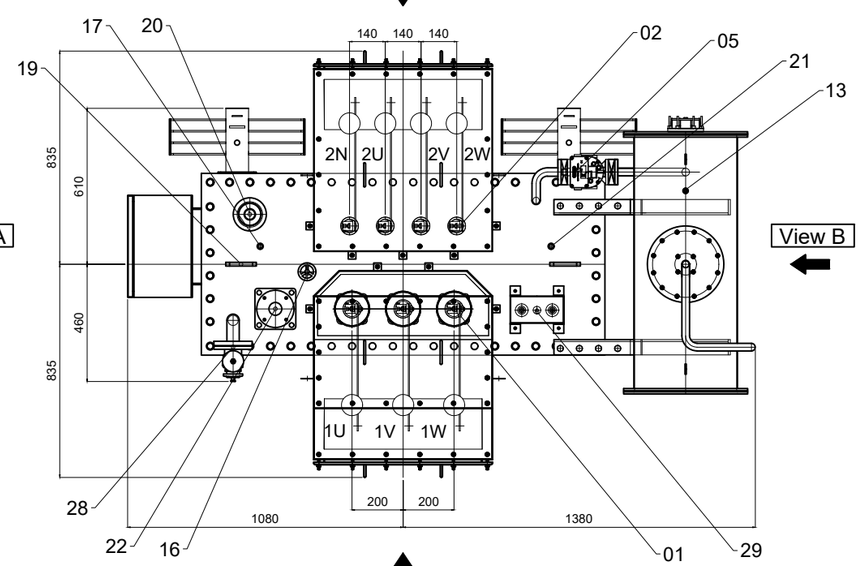
View C



View A



View D



View A

View B

View C

NORTH

Note:

- Rated power:	500kVA
- Rated voltage:	6600±2x2.5% / 0.8kV
- Vector group:	Dyn11
- Oil weight:	540kg
- Total weight:	3340kg
- Painting:	RAL7031 (Cl. CX)
- Short circuit impedance:	6%
- Item trafo:	TR-200ED1
Tolerance:	±20mm

MF Trasformatori srl

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00	07/02/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 General arrangement drawings
GENERAL ARRANGEMENT

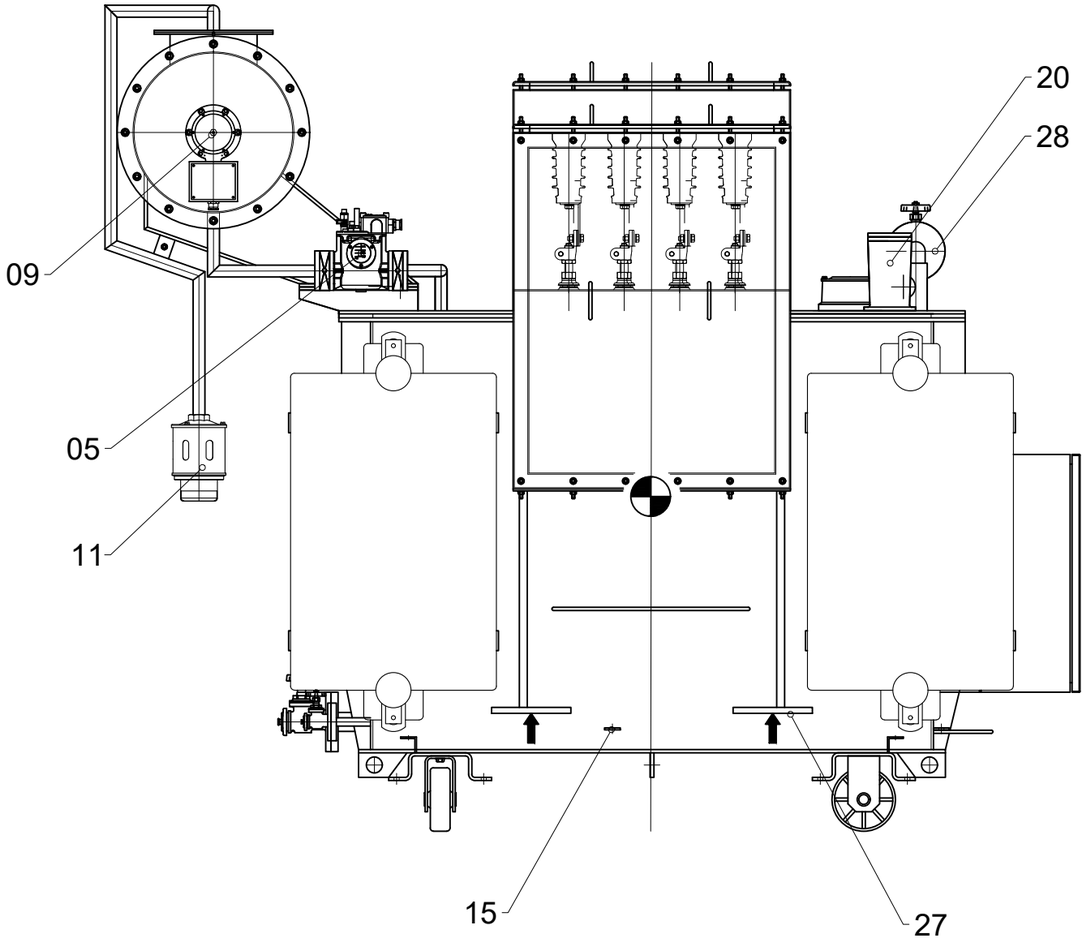
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1723001697-EL-DA-00008 | SHEET 003 | REV. 02

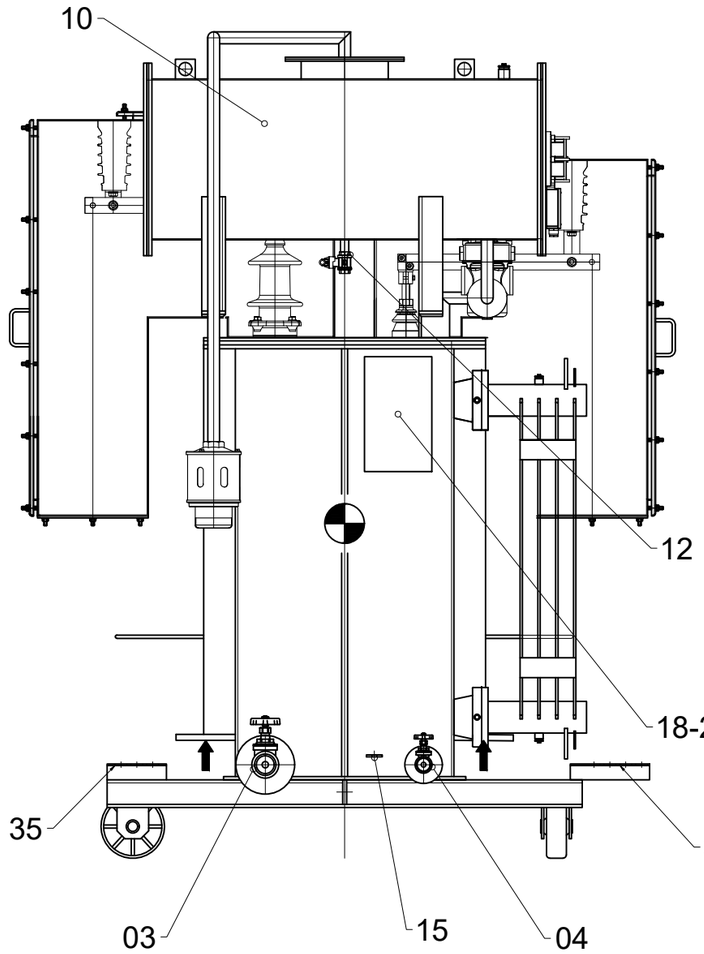
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F.to UNI A3: 420mmx297mm

View D



View B



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	17/05/24	ML	MF	MF	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/04/24	ML	MF	MF	ACCEPTED FOR REVIEW (IFR)
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MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 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-00008

SHEET 004

REV. 02

File Name : 1723001697-EL-DA-00008 Rev. 02

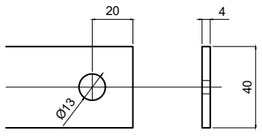
F.to UNI A3: 420mmx297mm

EQUIPMENT LIST

ITEM	DESCRIPTION	N°	SUPPLIER	TYPE	ITEM	DESCRIPTION	N°	SUPPLIER	TYPE
01	H.V. terminals - 6.6kV (1U-1V-1W) with extention copper bars	03	BARBERI	UNEL 12kV / 250A	21	Thermal pocket	01	MF	3/4"
02	L.V. terminals - 800V (2U-2V-2W-2N) with extention copper bars	04	BARBERI	DIN 1kV / 630A	22	Terminal box signal PT100 - windings / core	02	ETI	SM2-S
03	Oil drain valve	01	BARBERI	DN25-PN10	23	Protection box - HV terminals	01	MF	IP55
04	Oil sampling valve	01	BARBERI	DN15-PN10	24	Protection box - LV terminals	01	MF	IP55
05	Bucholz relay with 2 contacts, with valves	01	COMEM	C1	25	Bi-directional wheels	04	CDR	Ø160 - L=50
06	Thermometer with 2 contacts	01	TERMAF	TDT/A1-DN100	26	Tag plate	01	MF	
07	Interception radiator valve	04	ETI	WU080	27	Jacking pads	04	MF	200x150x15
08	Radiator	02	WARM	4 El. - Int. 800	28	Oil treatment valve	01	BARBERI	DN25-PN10
09	Oil level indicator with 2 contacts	01	COMEM	LB14XON	29	Core earthing terminals	02	MF	
10	Oil conservator with oil/air insulation membrane	01	MF		30	Heating element with thermostat	02	MF	
11	Dehydrating breather - Silicagel	01	COMEM	EM1DB	31	Winding temperature indicator	01	TECSYSTEM	T154
12	Conservator oil drain valve	01	MF	1/2"	32	Support for auxiliary cables	01	MF	
13	Conservator vent valve	01	MF	1/2"	33	Support for H.V. 6.6kV cables	01	MF	
14	Auxiliari panel - CP-200E2	01	MF	IP55	34	Support for L.V. 800V cables	01	MF	
15	Earthing terminals	04	MF	Stainless steel 40x30x5 n.1 hole Ø13	35	Support for cable duct	04	MF	
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					

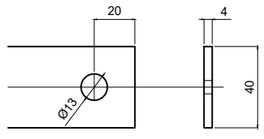
Pos. 01
Detail MV terminal

Copper bar 40x4

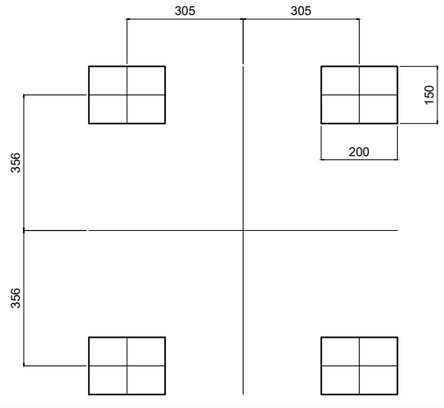


Pos. 02
Detail LV terminal

Copper bar 40x4



Pos. 27
Detail Jacking pads



MF Trasformatori srl

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ROSETTI MARINO

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00	07/02/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)

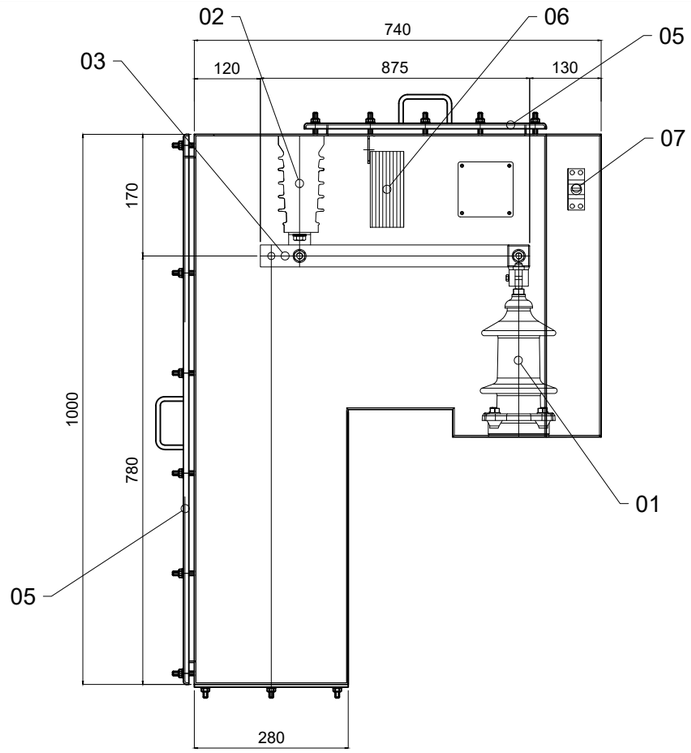
TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 General arrangement drawings
EQUIPMENT LIST

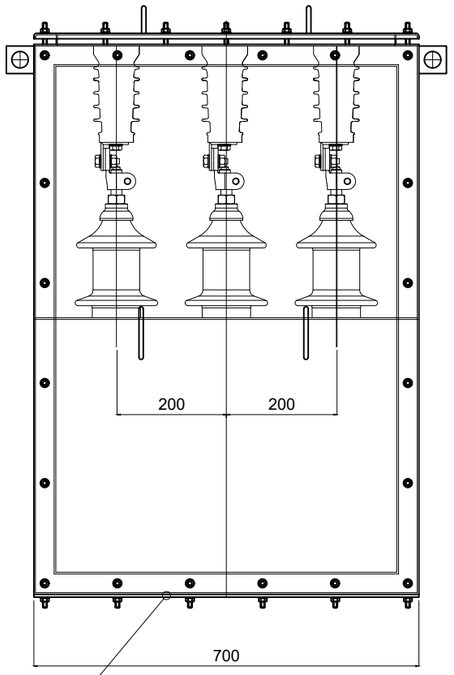
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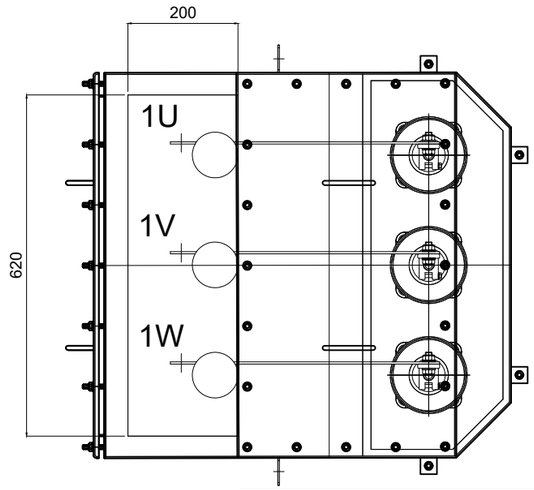
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F.to UNI A3: 420mmx297mm

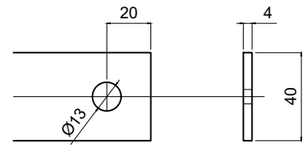
File Name : 1723001697-EL-DA-00008 Rev. 02







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

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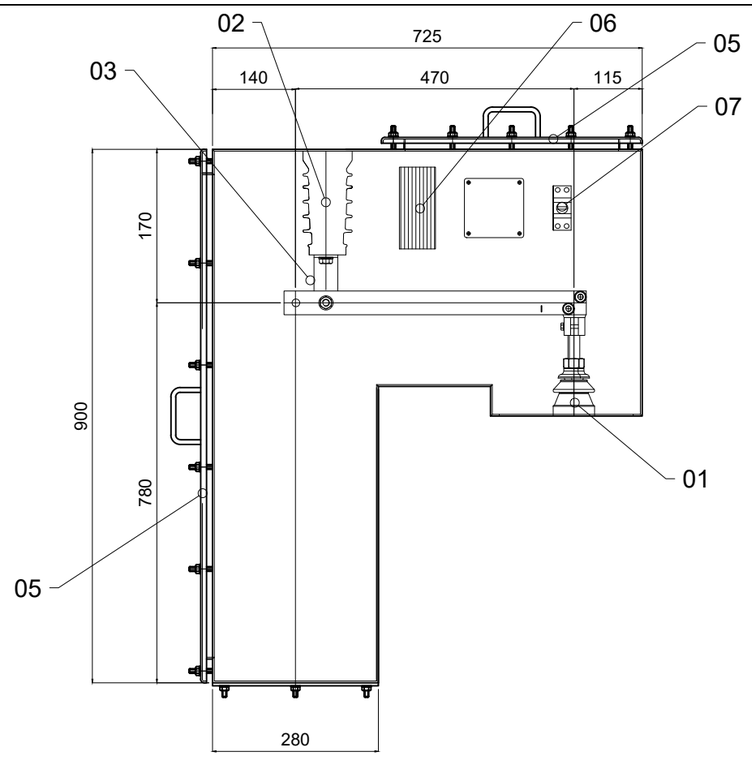
TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 General arrangement drawings
H.V. 6.6 kV – PROTECTION BOX DETAIL

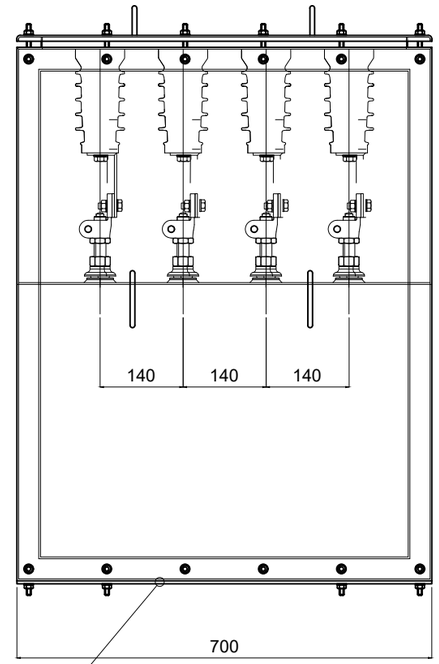
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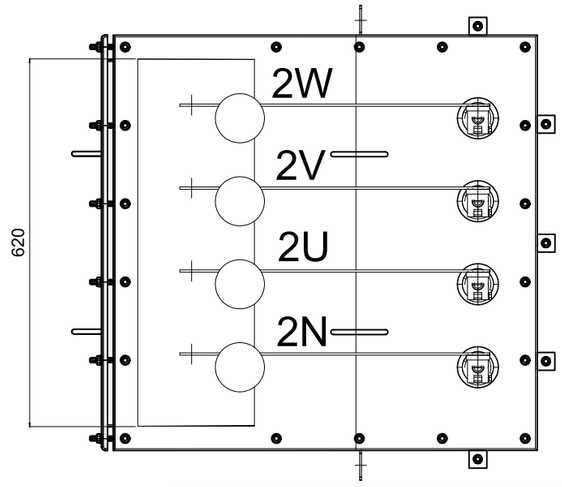
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F.to UNI A3: 420mmx297mm

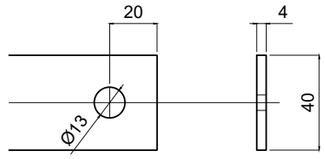
File Name : 1723001697-EL-DA-00008 Rev. 02







Copper bar 40x4



Item	Description	Q.ty	Type
01	LV Terminal	4	DIN 1kV/630A
02	Support bushing	4	IPA 12kV
03	Copper bar	4	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

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01	10/04/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
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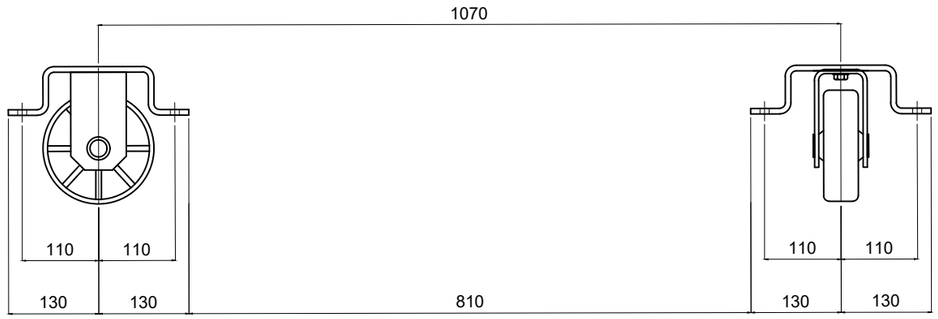
TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 General arrangement drawings
L.V. 800V - PROTECTION BOX DETAIL

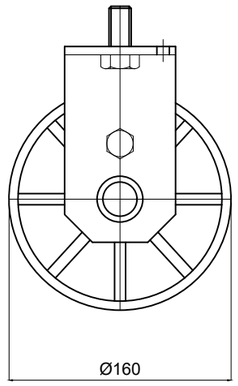
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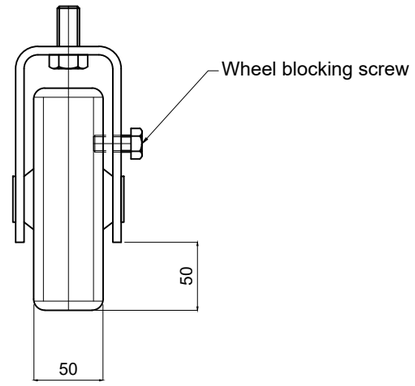
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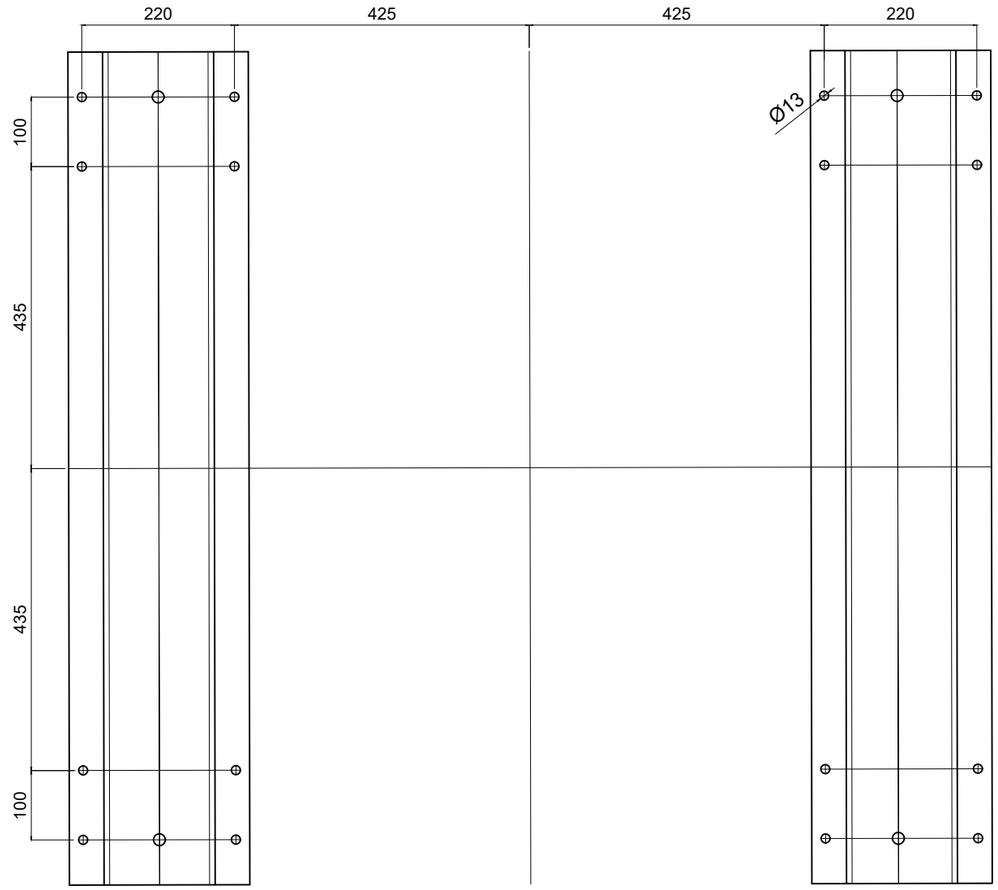
F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DA-00008 Rev. 02









02	17/05/24	ML	MF	MF	ACCEPTED FOR CONSTRUCTION (AFC)
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00	07/02/24	ML	MF	MF	ISSUE FOR REVIEW (IFR)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 General arrangement drawings
DETAIL BASE FRAME

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

SCALE : NTS

A3

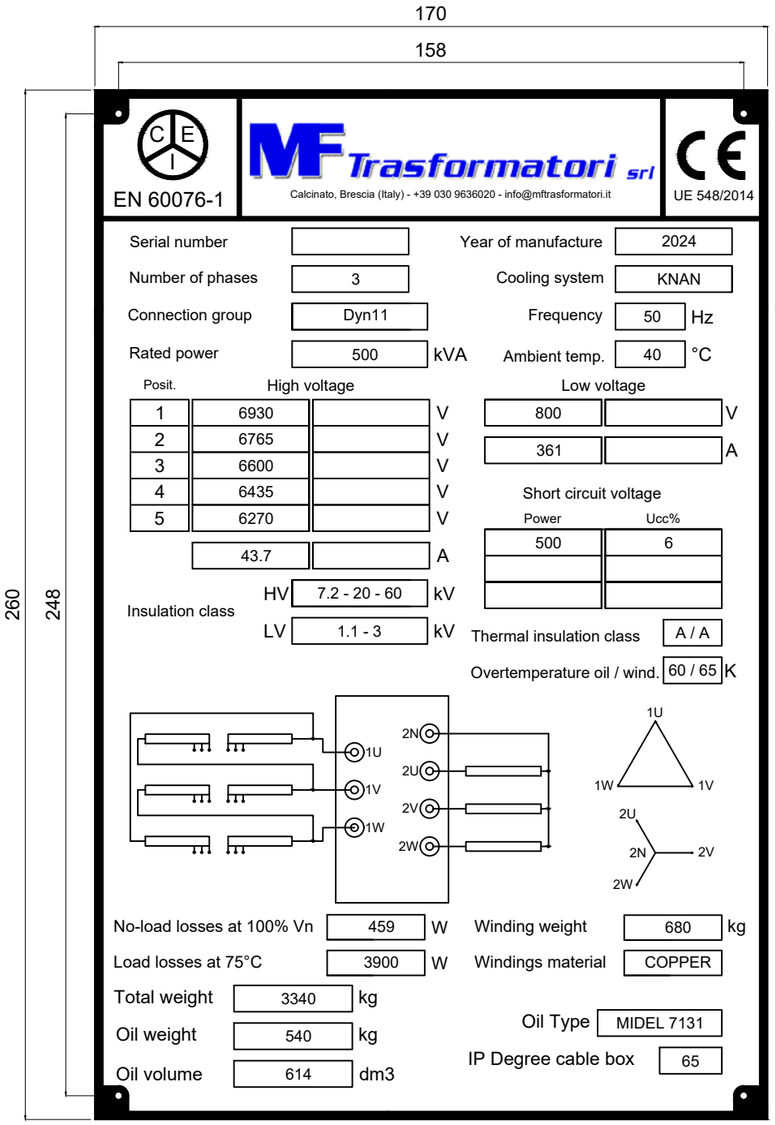
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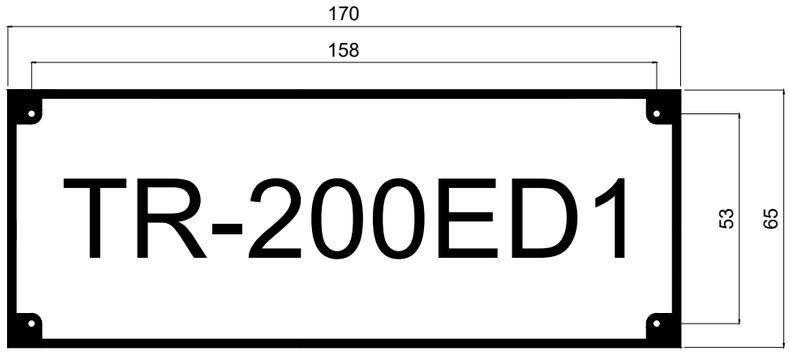
SHEET 008

REV. 02

File Name : 1723001697-EL-DA-00008 Rev. 02

F.to UNI A3: 420mmx297mm





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

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-200ED1 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-00008

SHEET 009

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DA-00008 Rev. 02