Converters Container Technical Data Sheet – 6 pomps operate x 132 kW CVSD_6X132_LV type

1. CONSTRUCTIVE DATA

CABIN		
1	Metallic frame from welded steel sheet. It is covered with epoxy primer chromed with zinc, one layer, min 40 microns; Epoxy paint against corosion V341 type, one layer, min 30 microns;Polyurethane paint 477 series, one layer, min 30 microns	1 pc.
2	Thermal insulated walls, 80 mm thick, made from sandwich metallic panels, REIwall type - with insulation made of mineral wool fire resistant class EI60 conf.EN 13501-2 / 200;	5 pcs.
3	Thermal insulated roof, 80 mm thick, made from metallic sandwich panels REIwall type - with insulation made of mineral wool fire resistant class EI60 conf.EN 13501-2 / 200;	1 pc.
4	Technological floor made of 4 mm steel plates	1 pc.
5	Concrete basement H=600mm equipped with HSI cable glands for LV and MV cable inputs	1 set.
6	Simple alluminium profile door and metallic sandwich panels REIwall type, foreseen with cremoneand painted RAL 9003 – LV compartiment	1 pc.
7	Double alluiminium profile door foreseen with cremone and ventilator HJBPA 5200m3/h(Ioannina) type, ensuring IP43, painted RAL 9003 in the transformer room	1 pc.
MAIN ELECTRICAL EQUIPMENT		
0	MV Panel - 1 pc.	
1	LV Panel equipped with: ▪ 1 feeding circuit with 3P automatic withdrawble 2000A circuit breaker ▪ 8 distribution circuits with 500A vertical disconnectors ▪ 1 feeding circuit for PM5100 metering unit through 3 CTs 2500/5A ▪ circuite servicii proprii post(incalzire, iluminat interior, exterior, prize..) alimentate prin inversor sursa tip INS100	
2	Starting pomps frequency converters 132kW - 6 pcs	
3	Harmonics filter -1pcs	
4	Breaking resistor - 4 pcs	
5	Automation panel -1pc	
6	Dry type Power Transformer ECO-R; 20/0.4kV 1250kVA – 1 pc	
CABIN ACCESSORIES		
1	Internal grounding belt;	1 pc.
2	External earthing junction box with insulation metering of the ground insulation resistance;	2 pcs.

3	2 x 36 w neon lamp for internal lighting;	3 pcs.
4	8w battery emergency lighting lamp OVA37071E(Schneider) type, installed on the top of the door;	2 pcs.
5	8W battery safety lighting OVA 37068E type 3h operating autonomy;	3 pcs.
6	150 W external lighting lamp ,IP54, installed on the top of the access door	2 pcs.
7	Shucko socket 230 V ac;	3 pcs.
8	10A normal lighting CB;	4 pcs.
9	Thermostat with contact min./max. temperature surveylance inside the cabin;	2 pcs.
10	Ventilation module with fan HJB 45 5200mc/h type and gravitational grilles, combined with chevron type for air evacuation	2 pcs.
11	Ventilation module with fan HJB 45 5200mc/h type and gravitational grilles, combined with chevron type for air intake	2 pcs.
12	1500W – Noirot heating convector;	1 pc.
13	Climatisation air/heating SPLIT system (cooling summer/heating winter); Ualim=230V;12.000 BTU(Fujitsu)(CFAN-97-HAC-001 si CFAN-97-HAC-004) - will operate when the 4 pomps are not commanded	1 pc.
14	Warning signs mounted on the entrance cabin door;	1 pc.
15	ID Plate;	1 pc.
16	Rubber carpet with insulating properties on the access lane to the equipments;	1 pc.
17	Lifting rings;	1 set.
18	RV-K (Cu) cable with XLPE insulation for internal cabin - internal services circuits connections (heating, internal lighting, external lighting, sockets, air conditioning)	

2. TECHNICAL CHARACTERISTICS

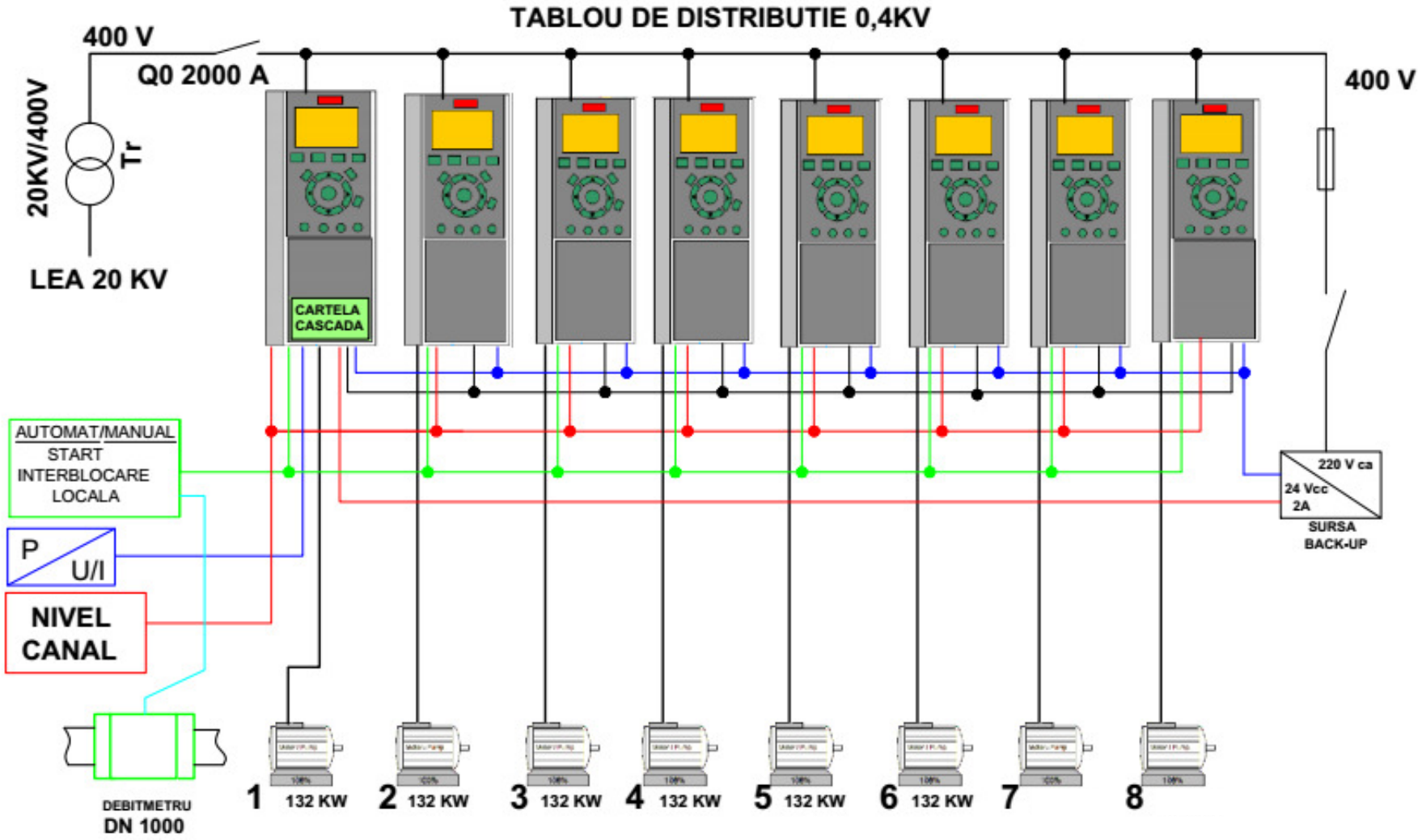
Nr.Crt.	Characteristic	Value
1	Total length;	8.200 mm
2	Height with roof and basement	3.000 mm
3	Total depth;	2.500 mm
4	Total weight unequipped;	7 tons
5	Protection degree;	IP 42
6	Combustibility class;	B
7	Smoke emissions in the equipment compartiment;	S 1
8	Fire melted particles in the equipment compartiment;	d 0
9	Fire protection degree according to IEC 13501-2;	EI 60
10	Water permeability;	Class C
11	Thermal transfer type;	10K

3. OPERATING CONDITIONS

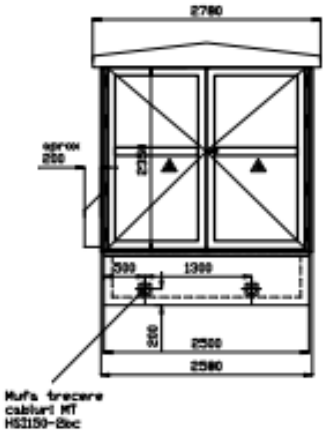
Nr.Crt.	Characteristic	Value
1	Mounting	Exterior
2	Operating conditions	N3
3	Min/Max Temperature	-35 ^{0}C / + 45 ^{0}C
4	The highest average temperature	+35 ^{0}C
5	Relative average humidity	90%
6	Maximal altitude	1000 m

4. CABLING AND MONTAGE TYPE

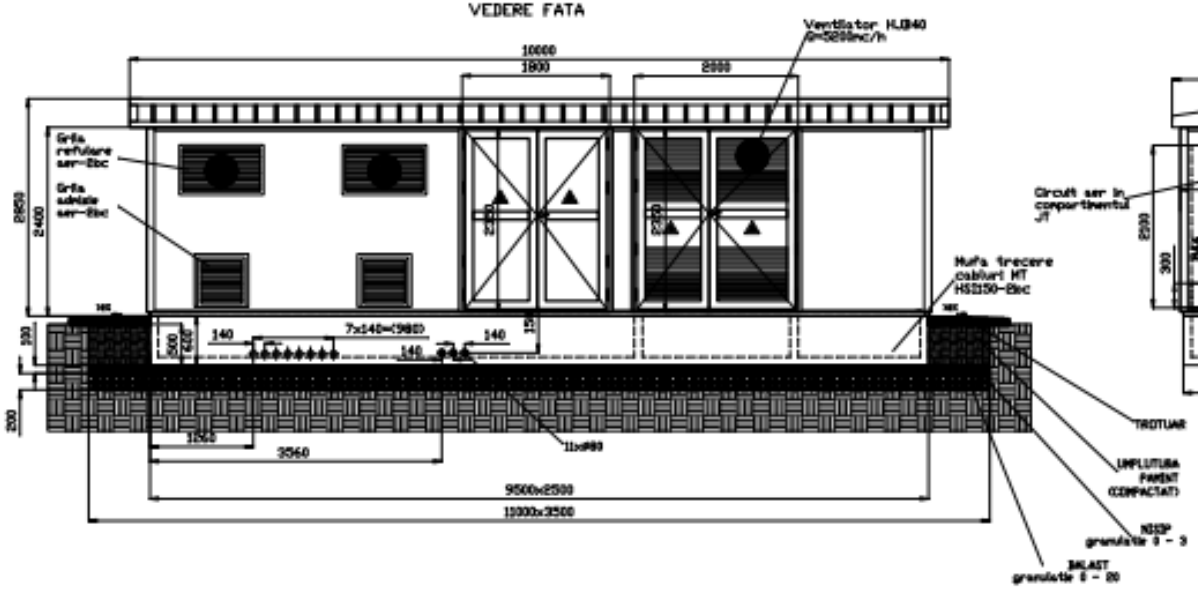
Nr.Crt.	Characteristic	Value
1	Montage	On concrete basement with 600mm height
2	External cables access	Through the basement;
3	Internal cabling type	On the cable traces installed on the top part.


TABLOU DE DISTRIBUTIE 0,4KV
400 V
Q0 2000 A
20KV/400V
Tr
LEA 20 KV
CARTELA CASCADA
400 V
AUTOMAT/MANUAL
START
INTERBLOCARE
LOCALA
P
U/I
NIVEL CANAL
220 V ca
24 Vcc
2A
SURSA BACK-UP
DEBITMETRU
DN 1000
1 132 KW
2 132 KW
3 132 KW
4 132 KW
5 132 KW
6 132 KW
7
8

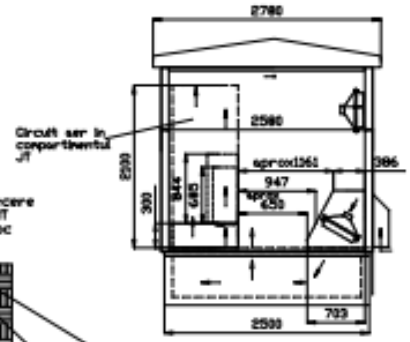
VEDERE STANGA



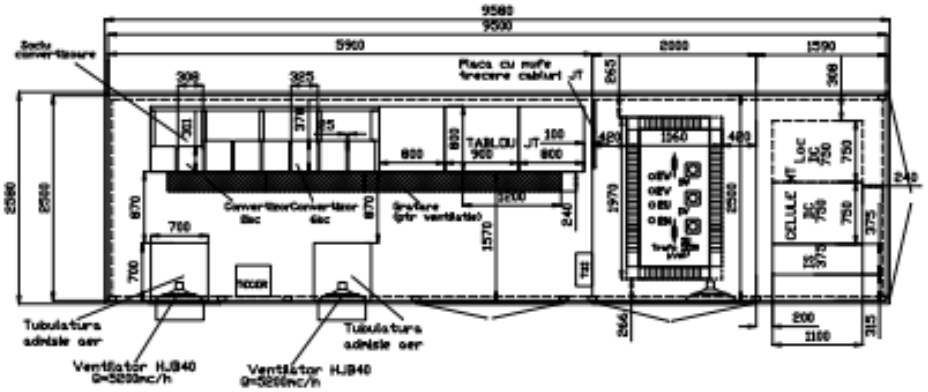
VEDERE FATA



VEDERE DREAPTA



VEDERE INTERNA



NOTA:
1.Dimensiunile gropii sunt 11000mmx2500mm, cu adancimea de 800mm
2.Abaterea planeitatii suprafetei de asezare max 5mm
3.Stratul de pamint se taseaza. In groapa se aseaza un strat de balast cu granulatia maxima de 200mm, si cu inaltimea de 200mm Peste stratul de balast, se aseaza un strat de nisip cu granulatia maxima de 3mm, si cu inaltimea de 100mm. Fiecare din aceste straturi se taseaza.
Aceste amenajari constructive, sunt valabile pentru un teren conventional cu presiunea admisibila de 0N/cmp. Pentru o valoare mai mica se va face un proiect special pentru acest tip de teren.
4.Peste stratul de nisip se aseaza cuva protectie cabluri si apoi envelopa.

ATENTIE!

5.In zonele cu ploi abundente sau in solurile cu panza freatica de suprafata, se recomanda realizarea unui sistem de drenaj in jurul gropii
6.Daca nu se poate realiza sistemul de drenaj al apei, beneficiarul impreuna cu o societate specializata, va realiza un proiect special pentru eliminarea apei.