Converters Container Technical Data Sheet – 3 pomps operate x 110 kW
CVSD_3X110_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;	4 pc.
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 equipped with cable glands HSI type for LV cables input	1 set.
6	Alluminium profile door; The door is foreseen with internal panic handle	1 pc.
7	Canopy installed over the access door in the ladder area;	1 pc.
8	Collecting and evacuating rainwater gutter;	1 set.
MAIN ELECTRICAL EQUIPMENT		
1	LV Panel equipped with: ▪ 1 feeding circuit with 3 phase withdrawble 800A circuit breaker ▪ 3 distribution circuits with 250A disconnectors and superfast fuses 250A ▪ 1 feeding circuit for metering unit PM5100 through 3 CT 800/5A	
2	3 frequency converters for pomps starting 110kW	
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;	2 pcs.
4	8w battery emergency lighting lamp OVA37071E(Schneider) type, installed on the top of the door;	1 pc.
5	8W battery safety lighting OVA 37068E type 3h operating autonomy;	2 pcs.
6	15 W external lighting lamp ,IP54, installed on the top of the access door	1 pc.
7	Shucko socket 230 V ac;	1 pc.

8	10A normal lighting CB;	1 pc.
9	Thermostat with contact min./max. temperature surveylance inside the cabin;	1 pc.
10	Ventilation module with fan HJB 35 2400mc/h type and gravitational grilles, combined with chevron type for air evacuation	2 pcs.
11	Ventilation module with fan HJB 35 2400mc/h type and gravitational grilles, combined with chevron type for air intake	2 pcs.
12	12000BTU air conditioning unit which operates when the 3 pomps are not operated	1 pc.
13	Warning signs mounted on the cabin entrance door;	1 pc.
14	ID plate;	1 pc.
15	CO2 extinguisher;	1 pc.
16	Rubber carpet with insulating properties on the access lane to the equipments;	1 pc.
17	Lifting rings;	1 set.

2. TECHNICAL CHARACTERISTICS

Nr.Crt.	Characteristic	Value
1	Total length;	4.500 mm
2	Height with roof and basement	3.650 mm
3	Total depth;	2.660 mm
4	Total weight unequipped;	3.5 tons
5	Protection degree;	IP54
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

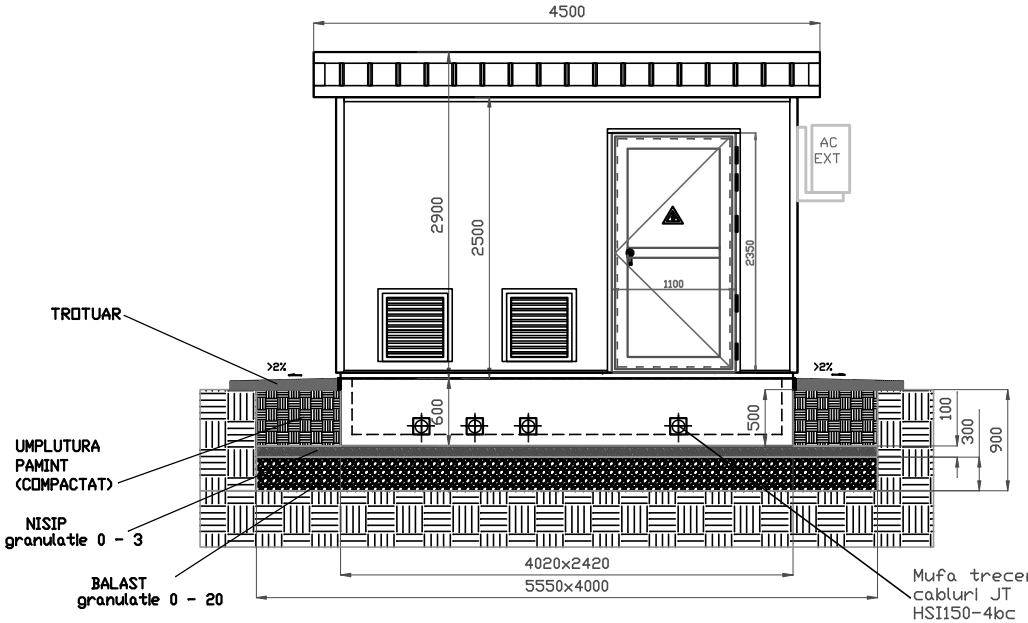
Nr.Crt.	Characteristic	Value
1	Mounting	Exterior
2	Operating conditions	N3
3	Min/Max Temperature	-35 ^{0}C / + 45 ^{0}C

4	The highest average temperature	+35 ^{0}C
5	Relative average humidity	90%
6	Maximal altitude	1000 m

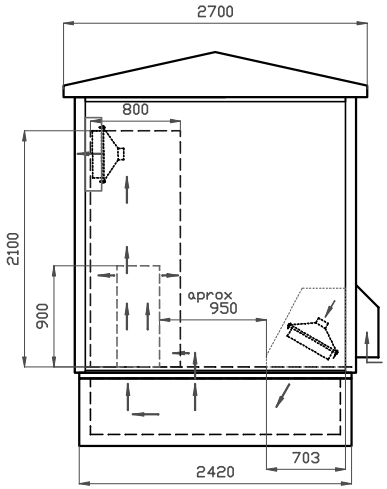
4. CABLING AND MONTAGE TYPE

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.

VEDERE FRONTALA

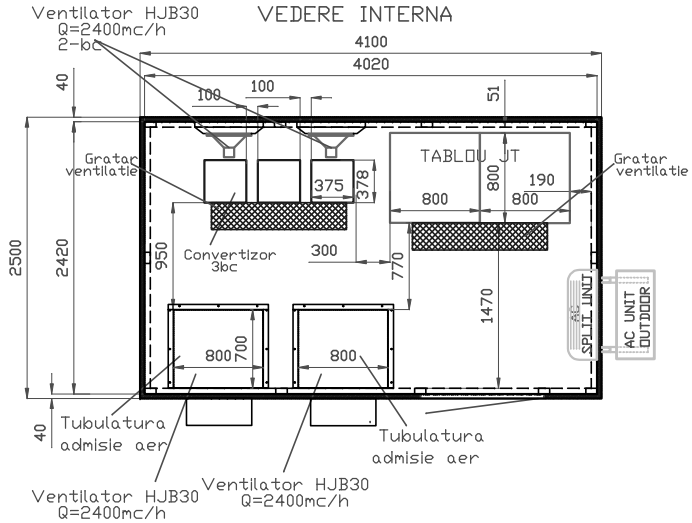


VEDERE STANGA



NOTA:
1.Culoare pereti anvelopa RAL 9002;
2.Culoare usi acces,grile ventilatie - RAL9003;

VEDERE INTERNA



VEDERE SPATE