CT-PC - Containerized Power & Control Cabin

CT-PC is a containerized power & control cabin containing:

- Control panel for motors and electric and pneumatic actuators;
- PLC control panel (Programmable Logic Controller), interfacing with the electrical and electro-strumental utilities in the industrial plant;
- HMI operator interface (composed of a graphic operator panel).

Safety and reference standards

MV/LV Transformer substations are designed to comply with European and International Standards (CEI/IEC).

Technical solutions comply with the essential requirements of:

- Personnel and operational safety, protecting from contact with live parts;
- Fire safety;
- Effective electrical and thermal insulation;
- Service continuity.

Main Electrical features

L.V. Switchgear Main Electrical Features

Rated voltage up to	690 Vca
Rated current	6300 A
Rated short circuit current	65 kA
Rated short-term withstand current (1s)	65 kA
Rated impulse voltage	8 kV
Rated frequency	50-60 Hz

Features of Construction

Service and environmental conditions

External temperature (min/max)	-20° ÷ +50 C°
Irradiation	500 w/m^2
Maximum wind speed	140 km/h
Maximum snow load on the horizontal projection at 1000 m	220 Kg/m^2
Severity of seismic activity	AF 5
External protection class	IP 54

CEAR
COSTRUZIONI ELETTROTECNICHE CEAR s.r.l.

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STANDARD DIMENSIONS (ISO) - Other dimensions available on request

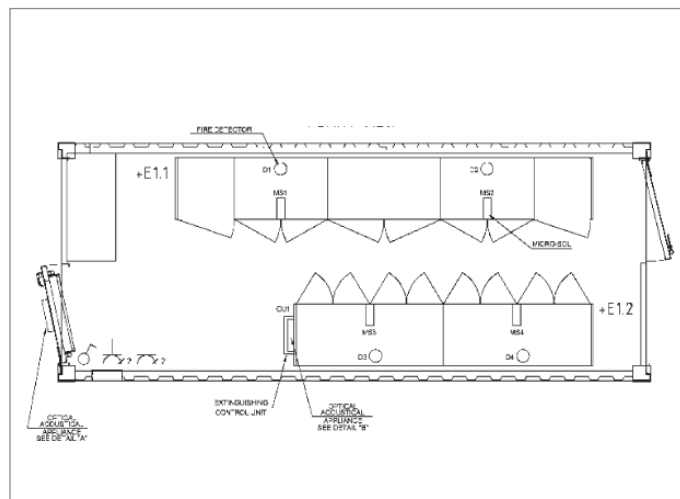| Container (piedi)	10	15	20	25	30	40
Length (mm)	2990	4590	6055	7500	9125	12190
Height (mm)	2635	2635	2635	2635	2635	2635
Width (mm)	2435	2435	2435	2435	2435	2435

Fittings & Accessories

Internal accessories and auxiliary installations

- Lighting installation with electric switch;
- Interlocked 230 Volt – 16A socket ;
- Ethernet socket for remote assistance and/or for connection to plant network;
- Accident prevention accessories: powder extinguisher, recharging emergency lighting;
- Detection and fire-fighting system (optional).

External cabinet accessories

- Warning horn (IP66) suitable for long term continuous activation;
- Flashing warning light (IP55);
- Emergency pushbutton under glass.

Cear reserves the right to change technical specifications without notice.