

POWER UNIT SHELTER

TYPE CGE-45



CGE-45 provides the power supply of two groups of consumers:

- vital consumers – with secure supply having the generating unit as stand-by source
- non-vital consumers – with supply directly from network.
- In the situation of stand-by supply failure the power supply of vital consumers will be directly from network by a semi-automated BY-PASS system.
- external dimensions (equipped): 4650 X 2700 X 2896 (H) mm
- internal dimensions: 4480 x 2500 x 2600 (H) mm
- weight of shelter without electric power genset: 4700 kg
- construction:

Strength structure: steel profiles welded with ISO corner pieces

Outside housing: corrugated sheet-steel plate

Thermal and sound insulation of floor: mineral wool and metallic panels of corrugated sheet

Thermal and sound insulation of walls: mineral wool and metallic panels of perforated sheet

- heat transfer coefficient: $K = 0.8 \text{ kcal/m}^2\text{hC}$
- painting system: HEMPEL (high zinc content, 120µm thickness, 7-year warranty)

CGE-45 shelter is equipped with:

- double access door with outside opening
- right door includes the admission grid of cooling and combustion air
- service compartment in which the power unit and supplementary equipment are mounted
- compartment for the expansion of cooling air (warm air exhaustion)
- storage compartment for fuel-tank and its annexes.
- interface with industrial network and consumers.
- Equipment:
 - electric equipment
 - lighting equipment
 - grounding equipment
 - ventilation equipment
 - heating equipment
 - manual fuel pump
 - 2 (two) fuel tanks (500 l / each)
 - alarm system
- costomer option:
 - the type of electric power gen set (usual power recommanded: 45 kVA) will be chosen according to the costomer's option
- manufactured as series production.