



TECHNICAL DESCRIPTION OF ACCESSORIES

PRICE LIST 06/04

GENERATING SETS

SOUNDPROOF CANOPY, suitable to obtain a consistent reduction of the acoustic emissions, built in a strong metallic structure fixed to the base frame by counter plates, complete on request with lifting eyebolts anchored on the roof to the four lateral posts.

The canopy is formed by steel sheet panels, press-bended and reinforced, carefully coated with soundproofing material with protected mineral glass wool panels class "0", protective anti-lamination glass-veil, and closed by galvanized micro stretched latten. These panels are close and screwed to the perimetral plate structures, carefully fixed with silicone where necessary, to be perfectly weatherproof sealed. Along the canopy sides are present hinged inspection doors for the normal maintenance of the generating set, equipped with key lock.

Air inlet and outlet are silenced by means of soundproofing panels, granting a high grade of noise soaking up. The canopy is completed by residential exhaust muffler/s, mounted on the roof or internally, and connected to the engine by means of flexible pipe/s. The canopy is painted with our standard colours, any RAL colour is possible as optional. The noise emission of the system is contained in **68 ± 3 dB (A) for all water and/or oil+air cooled engines**, surveyed with sound level meter placed on open field at a distance of 7 mts. at 1 mts. in axle height, in accordance to ISO rules.

20' OR 30' SOUNDPROOF CONTAINER 65 ± 3 db(A) at 7 mts (on demand or for powers above 1500kVA).

It looks like a single unit, uniformly assembled. The sheet perimeter is fastened to the outer edge by means of seam welding. The four corners are made of pressed sheet being 4 mm. thick, at assembled in a regular way; it is composed by:

- Basic structure and base frame made with longitudinal and cross members, made of welded pressed section bass. A dark 3+2 mm thick sheet is welded on the said structure continuing on the borders of the side members and lining on the iron. At the corners are mounted twist-lock units in compliance with ISO TC 104 template.
- Roof and uprights are made out of pressed section bars, with twist-lock mounted at the corners. The roof is made of fret-shaped sheet of 12/10 thickness the lower and upper ends, such sheet is welded to the corner units.
- The walls are made of fret- shaped sheets, seam welded to both the base longitudinal members and the upper edge; a vertical seam welding is also present between the different panels. Both sides are provided with doors for intervention on the group.
- The inside covering is made with soundproofing material, in mineral wool class " 0 ", steadily linked to the roof and wrapped with a micro-streched steel sheet.
- The inlet and the outlet of the cooling air are made with modular sound soaking material, closed up in a metal box, of dimensions suitable for the quantity of air necessary for the cooling and combustion of the genset.
- The exhaust gas outlet is complete with residential silencer/s mounted on the container roof and linked to the engine with a proper flexible pipe isolated with rock wool.

Also provided with:

- Holes for power cables and fuel pipes in the base frame and / or on the wall control panel side;

- External rest for emergency stop button and for the possible pull valve for the fuel;
- Auxiliary electric system composed by:
 - * Scaled roof lamps for group on electric control panel;
 - * Cables protected by hoses made of low smoke-emission plastic;
 - * Service circuit breaker and socket.

Indicatively, container sizes are compared to powers under this general schema:

- From 150 to 800 KVA : inside a 20' feet container (Dim. Le7600 x Wi2435 x H2585 mm)
- From 810 to 1750 KVA: inside a 30' feet container (Dim. Le11200 x Wi2435 x H2585 mm)
- The overstated container dimensions are indicative, and the height doesn't include mufflers placed on the roof.
- Containers are supplied with air inlet internal silencer, leaning air outlet silencer and external exhaust muffler/s mounted on the roof. In case of automatic genset the air inlet silencer (depending from the power) can be external.

REMARKS:

In case of automatic genset, the electric control switchboard has to be always considered "supplied loose"; if another version necessitate, please contact our commercial department.

INFORMATIVE ONLY