

40ft ENERGY CONTAINER CSC CERTIFIED SOUND ATTENUATED

Compatible with 3512 CAT[®] Generator Set

FEATURES

This Energy Container can be used either with existing dealer inventory generator sets or with new sets built in Larne. If used with dealer inventory, the container ships loose and installation is done by dealer. If ordered with a new generator set from Larne, the set can be installed, reducing packing and transport cost.



EMISSIONS AND NOISE

- Achieve a noise pressure of only **85 dB(A) at 3 meters** or **at 1 meter** as an option.



TRANSPORT

- CSC certification is provided for convenient transport and stackable storage of the module.



CONTAINER

- Noise level limited to 85dB(A) at 3 meter or at 1 meter as an option.
- ISO container corner fittings on container top and bottom, for both lifting & transport purposes.
- Three lockable (padlock) doors are provided with sound attenuation and double sealed. Two personnel doors are located on sides of the engine for service and equipped with emergency stop buttons. One door is located on the container side to access the controls. Doors include stainless steel hardware & hinges and panic release.
- Power cable exit via a cut out and gland plate in container wall. Earthing stud on base of container.
- 2'500 Liters fuel tank capacity complete with contents gauge & vent.
- Convenient external connections for fuel. External Fuel supply and return connections to engine via 3-way valves piped to container sidewall (Fuel transfer system by others)

- Manual operated filling pump to radiator for external filling.
- Internal lighting consists of three AC 'bulkhead' light fittings complete with control switch located at personnel door.
- Container floor is constructed from an appropriately sized structural steel frame manufactured from PFC and sheeted with 3mm steel chequer plate.
- Optional Spill containment with minimum fuel capacity and engine lube oil.
- ISO high cube (2.896 m), 40 feet long (12.192 m), 2.438 m wide container.
- Lloyds CSC (Containers Safety Convention) certified for convenient transport. Stackable, up to three high for transport and storage.
- Rectangular exhaust silencers are mounted internally to allow stacking and are fabricated in mild steel. All external silencers and pipe work are grit blasted and sealed with high temperature aluminium paint.
- The walls are constructed from RHS structural steel and 2mm corrugated steel sheets for stiffness. The walls are acoustically lined and faced with 0.7mm galvanized expanded metal sheets.
- The container is generally constructed from structural mild steel to BS4360: 43A and Electro-Zinc coated steel sheet to BSEN10152: 1994; DC01 +ZE25/25:A-C. All structural steel is shot blasted to SAE 2.5 and pre primed with zinc phosphate primer to a dry film thickness of 25 microns.
- All welding is carried out in accordance with Lloyds approved procedures for MIG and MAG. MAG is used for ISO corner castings and lifting lugs in conjunction with non-destructive test procedures.

- The high performance 2-pack primer/finish paint system provides a gloss finish of 150 microns dry film thickness. Although it can be applied to a variety of surfaces, it has been specifically developed to adhere to Galvatite and Zintec substrates. This isocyanate-free product offers excellent corrosion protection and superior colour and gloss retention in exposed and polluted coastal environments. The paint system has passed salt spray tests at 750hrs with no indication of corrosion, water immersion tests at 400hrs and BS39000: Part 2 humidity test at 1000hrs. QUV tests have also been passed at 750hrs with a difference of only 1.07 DE observed.
- Meets EU directives Low Voltage Safety, EMI & Machinery.
- Work is completed in an ISO 9001 certified facility.



GENERATOR SET

- Compatibility with the following Feature codes from Price list 3512 PKGI; 512DE00, 02, 03, 04, 05, 06, 07 & 7A.
- Cooling system available through Genset price list, up to 43°C ambient capability during continuous operation & horizontal discharge. 43°C operation by using 50°C radiator & 40°C operation by using 43°C radiator -
- Must have:
 - Right mounted busbar or circuit-breaker
 - Bottom cable entry
- Not for use with:
 - Heavy duty air cleaner
 - Auxiliary box
 - Muffler

DIMENSIONS & WEIGHTS

CONTAINER SHIPPING DIMENSIONS

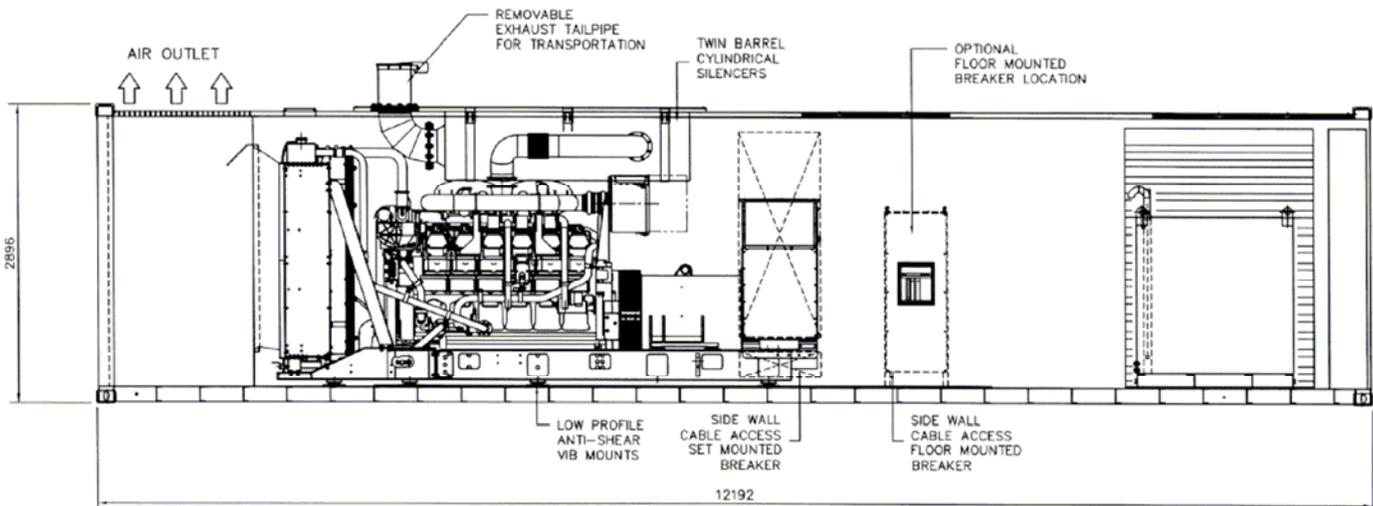
Length	12 192.0 mm	40 ft
Width	2 438.0 mm	8 ft
Height	2 896.0mm	9 ft 6 in

CONTAINER WEIGHT (WET):

25 400 Kg	56 007 lb
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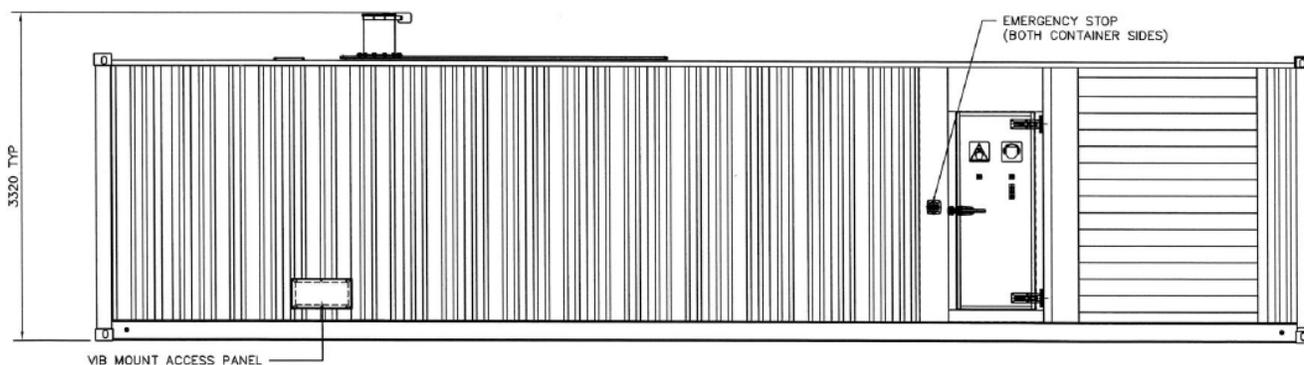
CONTAINER VIEWS:

Left Side View
(Left side wall removed to show interior components)

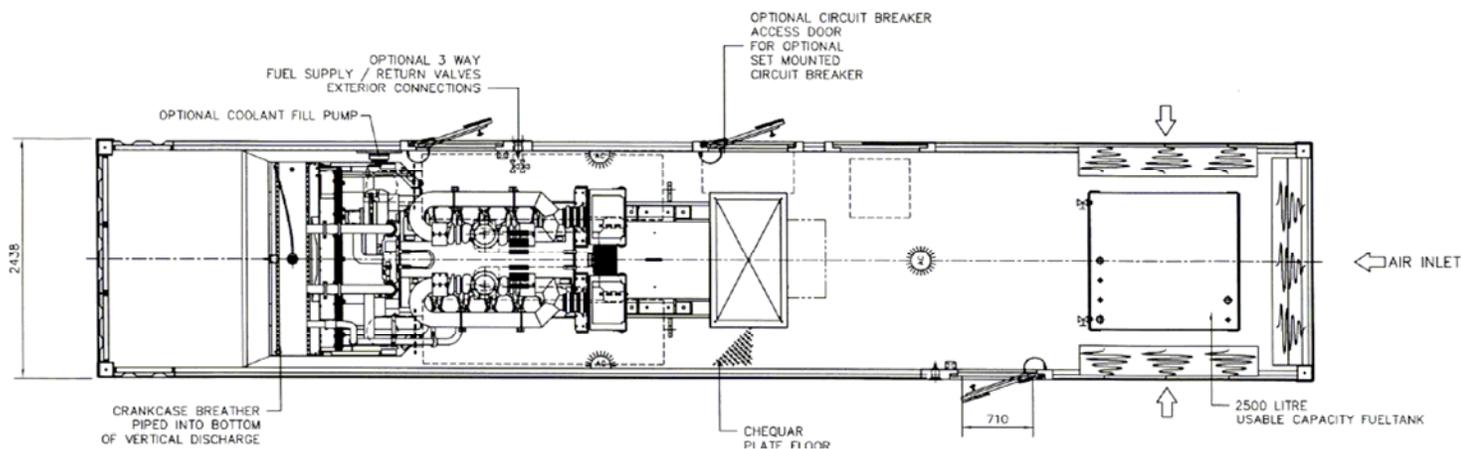


DIMENSIONS & WEIGHTS (Continued)

Left Side View



Top View



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