

Cost Effective Acoustic Containment

PB20 / PB20XT

The ADE Power Box is a 20' (6,058mm) modified ISO container. The design is universal, allowing for a wide range of generators to be installed.

The acoustic properties of the container can lower the noise levels of the chosen generator by up to 40dB(A)**.



Power Box PB20

The cooling system, the silencers and the sound traps are designed to reduce installation costs and due to the ISO container dimensions, the unit is easy to transport.

The original wooden floor is modified to take the mountings of the gen-set and its accessories, though the original walls and roof are retained. The roof of the container is acoustically treated, this also acts as a temperature barrier from the sun in extreme conditions.

Side personnel access doors are sound attenuated and are fabricated using 3mm mild steel. Both doors are also fitted with an internal "anti-panic" opening system. The external handle is designed to operate normally against the air pressure difference caused when the machine is running. The handles also incorporate a key-operated lock.

Following rigorous preparation of the original surface, the modified containers are completely re-coated in hard wearing, high gloss paint. (White, unless alternate colour requested)**

The standard fuel system is a 500 litre, single walled fuel tank mounted inside the container with an internal fill point.

Exhaust silencing on the **PB20** is provided by a box type exhaust silencer mounted inside the container and is insulated to limit the temperature rise in the container. Exhaust silencing on the **PB20XT** is provided by a roof mounted external dual pass cylindrical system.

Electrical fit out includes a consumer unit powering the 230V fluorescent lights housed on each side of the container, with a switch by each door. The consumer unit also provides power for two (one per side) socket outlets and the auxiliaries, (battery charger and water heater are also connected to the consumer unit if required).

An extensive range of options are always available for the ADE **PB20** and **PB20XT**.



Power Box PB20XT

Please email:
acoustics@adeltd.co.uk
for further details.

Or visit:
www.adeltd.co.uk
for other generator options.



Features

- **PB20 up to 800kVA**
- **PB20X up to 1000kVA**
- **Internal Lighting**
- **High Autonomy**
- **Emergency stop buttons**
- **Sound proof doors with slam fasteners**
- **Cable Entry Glands**
- **Corner twist locking blocks**

Power Box PB20 - Up to 800kVA (PRP*)

Always in stock



The ADE Power Box PB20 is a 20' (6,058mm) modified ISO container. The design is universal, allowing for a wide range of generators to be installed.

The acoustic properties of the enclosure can lower the noise levels of the chosen generator by up to 40dB(A)**.

- 1 Emergency stop button
- 2 Sound proof door with slam fastener
- 3 Air outlet (end)
- 4 Fuel feed & return for connection to optional external bulk tank
- 5 Cable entry point with aluminium gland
- 6 Air inlet
- 7 8 x Corner twist-lock blocks, also for lifting

Features 1,2,4 & 5 also on opposite side.



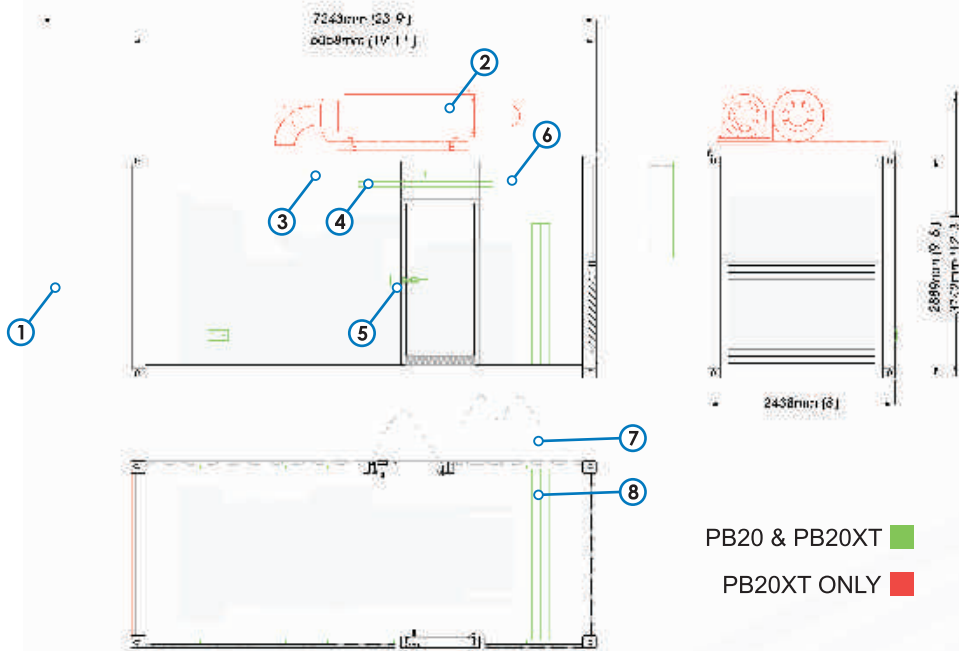
Integrated Exhaust above louvred outlet



Internal glowing Push-Release knobs



Internal Lighting



Width does not include optional link box or door extremities.

Drawing showing the maximum footprint of the PB20 and PB20XT.

The height and width are increased on the PB20XT due to the external attenuator pod and exhaust silencers.

- 1 1185mm (3' 11") Extra attenuation pod for PB20XT
- 2 External dual pass silencer for PB20XT
- 3 5FT 240v Fluorescent light along inner wall each side
- 4 Lighting switch conduit, each side
- 5 Internal lighting switch, each side
- 6 Internal consumer unit
- 7 Optional external cable connection cabinet, can be mounted either side
- 8 Internal baffle

Power Box PB20XT - Up to 1000kVA (PRP*)

Always in stock



The Power Box PB20XT is identical to the PB20 in design and specification, except for the extra noise attenuator on the front of the unit.

The external pod allows room for a 1000kVA generator running at 100% load at levels no louder than 85dB(A) at 1 metre***

Adjustable supports are provided to aid flexibility within site conditions.

As with most of ADE's products, any number of up-fits are available; including external cable entry cabinets, remote fuel supplies and external lighting.



External Dual Pass Exhaust System 85dB(A)@1m



Optional Cable Entry Cabinet

*PRP - Prime Rated Power. **Noise level will vary depending on size and model of generator installed.
 †Assumes free field conditions apply. ††May incur additional costs. Specifications can be subject to change without notice.