

Compact Event Power

Silenced Twin Pack - 2 x 410kVA Volvo Generators



ENCORETM

Twin 410kVA VOLVO Generators

The ADE Encore^{Duo}™

The EncoreDuo™ from Advanced Diesel Engineering Ltd. has been specifically designed for use in the entertainment industry. Twin Volvo TAD 1242GE generators are installed inside the purpose built, super silenced canopy. The two generators can run in sync at 820kVA and also have the capability of running singly at 410kVA in an N+1 configuration.

Event Power

Music festivals, live performances and sporting events usually require a large amount of constant uninterrupted power. To ensure reliability of supply it is essential that you have a generator system capable of providing the amount of power you need whilst remaining silent and efficient.

The EncoreDuo™ houses twin Volvo TAD 1242GE generators, allowing dual operation for maximum power. Alternatively the two generators can be utilised in an N+1 configuration to provide 440kVA standby* power or 410kVA constant power, with the second generator acting as a failsafe in the unlikely event that one generator should fail.

The dual generator system in the EncoreDuo™ can also save money on fuel in certain situations. For example, if your event requires less power during the day and more power as it gets later in the day, only one generator has to be used initially, saving money by not leaving one single large generator idling and wasting fuel. If the power need rises during the day, the second generator can be set to activate automatically as the load demand increases.

Experience & Expertise

ADE has over 15 years of experience in providing standby and constant power solutions to many industries, including live shows at temporary venues for the entertainments industry, mobile film production units and permanent sites such as BBC Television Centre.

Whatever the location, ADE have the local business insight and resources to provide high quality reliable equipment and experienced mechanical and electrical engineers.

From the initial project design, to the on-site management and operation, to the final load-out, ADE focuses solely on making the vision behind your event a reality.

*Standby power is when a generator runs at 110% of its prime power output capability. Standby power is only available for 1 hour from every 12 hours the generator runs.



The Encore Duo main panel includes dual DS7510 control units.

Note: Up to sixteen generators can be synchronised or utilised for load sharing when using the DS7510 Control Unit.



Industry standard connections: Load outputs, auxiliary outputs and inputs for the internal battery charger and engine water heater.



Specifications

Engines	Volvo TAD 1242 GE
Alternators	Marelli MJB 315 MA4
Frequency	50Hz
Controllers	Deep Sea 7510
Fuel Capacity	2000 ltr (445 gal)
Noise Level	75dB(A) @ 1m Average reading based on two engines running at 100% Load
Autonomy	5hrs @ 100% load Based on two engines running. External quick-fit connections are installed, allowing extra fuel supplies to be added.

Features include:

- 1500w Water Heaters
- Auto Synchronising
- 3 Way Valves with Snap Connectors
- Battery Chargers
- Auto Load Sharing
- Racor Fuel Filters

The EncoreDuo™ is constructed to the same external dimensions as a 20' (6058mm) ISO shipping container and utilises ISO corner blocks for lifting and handling.

Other Products

ADE specialise in the supply and manufacture of diesel generators and UPS systems, with a focus on bespoke acoustic packaging, to meet the most demanding criteria.



Airtight, stainless steel & fireproof pumping station enclosure



2500kVA generator in silenced 'large scale' drop-over canopy



Super-Silenced 450kVA generator enclosure, c/w vertical acoustic air inlet/outlet system



500kVA zinc steel generator canopy silenced to 60dB(A) @ 1 metre

Custom Enclosures

Here at ADE we have a complete manufacturing facility enabling us to design and build acoustic & weatherproof canopies for almost any model of diesel or gas generator. You can choose a generator from our substantial stock, enquire about the availability of other generator models or even free issue your own generator to enable us to manufacture an appropriate noise control and/or weatherproof enclosure.

Standard Enclosed Generators

Ranging from 11 to 3300kVA, we select our substantial stock from only the most reliable and prestigious gen-set manufacturers. All our silenced (enclosed) and open generators are assembled in the UK and EU.

Standard Enclosed Generators - Typical Features

- Secure maintenance access
- Lifting eyes
- Control panel inspection window
- Skid mount base with day tank
- Emergency stop button
- Cable inlet & gland
- Cooling air inlets/outlet

Please visit our website at www.adeltd.co.uk for more products and services from Advanced Diesel Engineering Ltd.



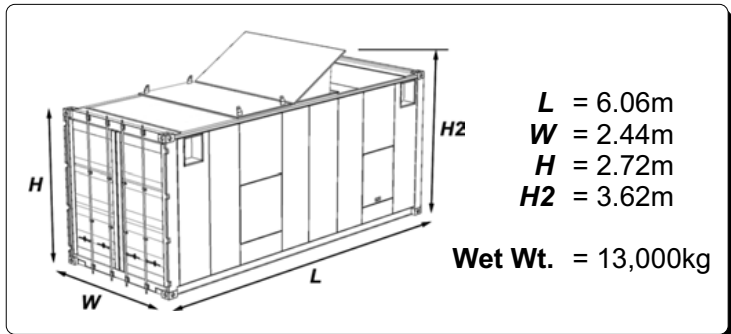
Load Acceptance

Test condition: Warm engine. Load acceptance performance can vary due to actual alternator inertia, voltage regulator, type of load and local ambient conditions.

Single Step Load Performance at 1500rpm

Load (%)	Speed diff (%)		Recovery time (s)		Remaining load (%)	Speed diff (%)		Recovery Time (s)	
	Prime	Standby	Prime	Standby		Prime	Standby	Prime	Standby
0-20	1.5	1.7	1.1	1.0	20-100	30.0	37.0	3.9	7.8
0-40	3.7	4.8	1.4	1.5	40-100	14.3	13.9	2.3	5.0
0-54	-	10.0	-	2.9	54-100	-	8.8	-	3.0
0-58	10.0	-	2.9	-	58-100	8.0	-	2.2	-
0-60	11.3	15.0	3.0	2.9	60-100	6.5	8.5	2.2	2.5
0-80	25.6	31.0	3.0	3.1	80-100	2.5	2.6	1.0	1.8
0-100	45.0	51.0	3.8	9.0					
100-0	9.8	10.0	2.4	2.4					

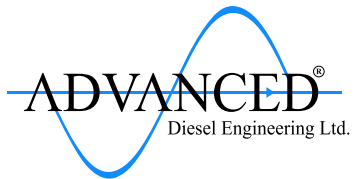
Enclosure Max. Dimensions



H = height to top of lifting eyes $H2$ = height to top of air outlet when open

Note: 1.5m perimeter clearance is required for the opening of doors and for free access to the maintenance hatches on each side of the enclosure.

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