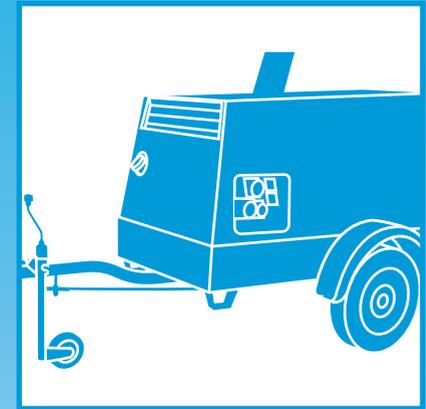


HSS Hire Shops



20kVA Generator

A road tow generator capable of providing 110V, 240V or 415V (3-phase) power.



Code 41520

EQUIPMENT CARE

Never push the generator beyond its design limits. If it will not do what you want assume you have the wrong equipment for the job. Contact your local HSS Hire Shop for advice.

Oil & Water Level...
To gain access to the engine compartment, release the two bonnet catches and raise the cover.

Check the oil, fuel and the water levels daily when the engine is cold and with the generator on level ground. Top up as necessary, failure to do so will result in damage to the engine.

Keep the equipment clean. You will find this less of a chore if you clean up regularly rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

FINISHING OFF

Switch OFF all equipment powered by the generator then turn **OFF** the generator's power controls and unplug all leads connected to it.

All that remains is to return the unit to your local HSS Hire Shop.



...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

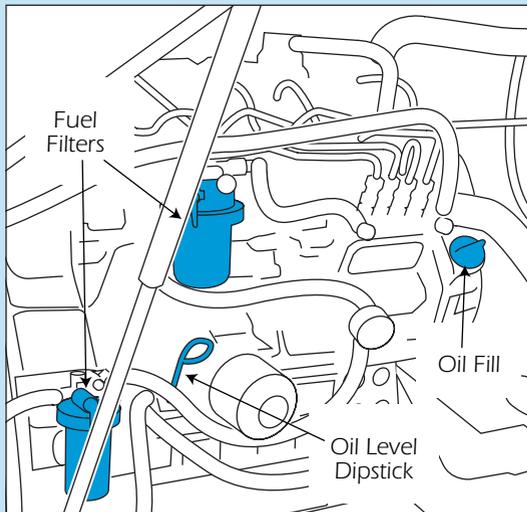
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Engine Compartment



Power Output Capacity...

It is very important that you follow these calculations to ensure that you are not overloading the unit's windings.

Below is a list of the **MAXIMUM**, which you can take from the generator at any one time. **BUT** the maximum has to be calculated combining all voltages used.

110V power output. 7.5kVA continuous

240V power output. 15kVA continuous

415V Power output. 20kVA continuous.

If you draw 7.5kVA in 110v, you cannot draw power from any other voltage.

If you draw 3.75kVA in 110v (50% of its maximum), you can only draw 50% power from either of the other voltages I.E. 7.5kVA @ 240v or (not and) 10kVA @ 415v.

If you draw 5kVA @ 415v you can draw either 11.25kVA @ 240v or 5.6kVA @ 110v.

This calculation can be used to supply all 3 voltages, for example.

If you draw 5kVA (1/4) @ 415v you can draw 3.75kVA (1/4) @ 240v and 3.75kVA (1/2) @ 110v.

If you are unsure at any time, contact your local HSS Hire Shop for help and advice.

There are a variety of sockets available and all may be used at any one time provided that the Max combined output is not exceeded.

GENERAL SAFETY

For advice on the safety and suitability of this equipment **contact your local HSS Hire Shop.**

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area.



Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.



Although these generators are silenced, the equipment being powered may require the user to wear ear defenders.

Check the equipment before use, if it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

Exhaust Fumes

Never operate diesel engines indoors or in a confined space.

The exhaust contains gases that can kill.

Engines, especially the exhausts, get very hot so switch OFF and allow to cool before touching them.

Choose a location for the generator that keeps flammable materials well away from the engine and exhaust.

Towing Safety

This unit is equipped to be towed on the public highway.

Before towing always make sure...

...the generator is correctly fitted to the vehicle tow bar and the breakaway cable is fitted.

...the jockey wheel is raised and locked.

...all lights and brakes work and a numberplate is displayed.

Ensure the tyres are in a roadworthy condition and inflated to 65psi (4.48 bar).

When towing this equipment, obey standard speed limits, never exceeding the trailers maximum speed of 60MPH.

Fuel Safety

NEVER refuel while the engine is hot or running.

NEVER smoke or allow naked lights into the area while refuelling.

ALWAYS mop up fuel spillages as quickly as possible.

Change your clothes if you spill fuel on yourself.

ALWAYS store fuel in an approved container, in a cool, safe place away from the work area.

ELECTRICAL SAFETY

The generator has the facility to connect to an earthing ground stake. However, please note that an impedance test should be carried out once a qualified electrician has made the connections.

Using electrical equipment in very damp or wet conditions can be dangerous.

Always turn OFF the generator's engine when not in use and before servicing the engine itself.

Never start or stop the generator 'on load'. Always switch OFF and unplug all equipment powered by it.

Seek advice from your local HSS Hire Shop before connecting computers or other sensitive equipment to the generator.

Keep flexes and extension leads out of harm's way. Extension leads should be fully unwound and loosely coiled away from the equipment. Never run them through water, over sharp edges, or where they could trip someone.

GETTING STARTED

Stand the generator on a firm, level surface strong enough to bear its weight. Use chocks on the wheels to prevent movement. Set the jockey wheel to the correct height and apply the hand brake.

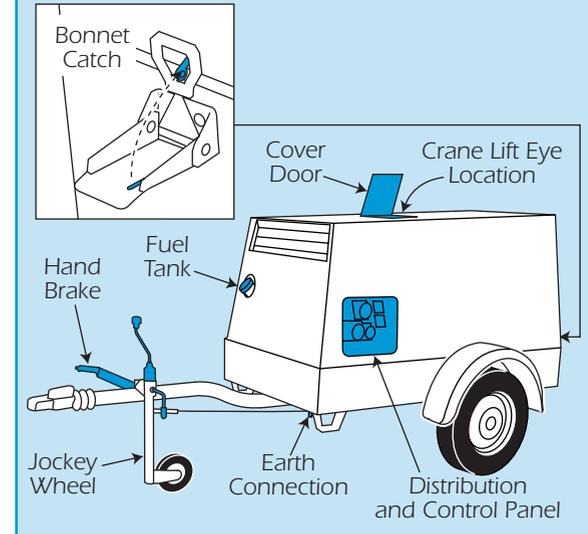
If the unit is to be moved to its location by crane, attach a suitable lifting hook to the crane lift eye, accessible from the cover door on top of the unit.

Check fuel, oil and water levels (see Equipment Care) before starting the engine.

To start the generator from cold, turn the starter key anticlockwise to the heater position, (the heat indicator lamp will illuminate) and hold for 8 seconds. Next, turn the key to the start position. Once the engine has started, return the key to the 'ON' position.

Leave the engine to warm up for a minimum of 10 minutes on 'no load'.

20kVA Generator



When connecting the power equipment to the generator's power output sockets **use only suitable power cables and plugs.**

Ensure the circuit breakers are in the 'ON' position, then plug your cable into the required output socket. Now power up the equipment.

To stop the generator, turn OFF the power supply by moving the circuit breakers to the OFF position. Next, turn the starter key to the OFF position and wait for the engine to stop.

Power Supply...

All HSS generator outputs are expressed in kVA units (Kilovolt Amperes).

Control Panel

