



# User Manual, Operating Instructions and Specifications



## 9.6KW Generator

Tin12/ECE3 Specification



**ANCILLARY EQUIPMENT**

• INNOVATION • DESIGN • MANUFACTURE • SUPPLY

Specifications below are for full frame, standard fuel tank & recoil start.

Engine	Output	Weight (kg)	Fuel (litres)	Hours Run @ ¾ load	Noise d(B)A @ 7m
VG18HP	9.0kW	97	7.5	2.5	72>

### Safety:

Read these instructions thoroughly before attempting to operate the machine. If you have any doubts about the safe operation of this equipment, consult the manufacturer or a competent operator. The generator can constitute a hazard to users and nearby personnel and property unless the following precautions are observed during operation:

### Precautions:

- Ensure that you know how to stop the engine in an emergency
- Exhaust fumes are poisonous and can kill
  - Do not operate the generator in a confined area
  - Ensure that the area surrounding the machine has no restrictions that would prevent an adequate flow of clean, ambient air
- Fuel is highly flammable, when refuelling:
  - Do not run the engine
  - Do not smoke
  - Avoid overfilling the fuel tank
  - Wipe up any fuel spilt on the machine and move the equipment away from the area where fuel has been spilt
  - Store fuel in approved containers only and do not expose to direct sunlight
- Parts of the engine, and particularly the exhaust system will get very hot during use, and will remain hot for some time after the generator has stopped.
- Do not use the equipment with loose or missing components or guards.
- Do not use the equipment in damp or wet conditions.
- The throttle control lever is pre-set to the correct engine speed and must not be adjusted, otherwise damage to equipment or the generator may be caused.
- Regularly inspect the condition of trailing cables and the integrity of connectors. Only use correctly rated cable and standard plugs of suitable capacity for the application.
- During servicing, follow HSE recommendations regarding the handling and disposal of contaminated oil products.

### Grounding:

The earth pins of the output socket(s) are electrically connected to the metalwork of the generator. Further advice can be found in the following Health & Safety Executive publications (available from HMSO):

- GS27 Protection Against Electric Shock
- GS24 Electricity on Construction Site
- PM53 Emergency Private Generation

### Operating:



### Starting:

- The throttle control lever is pre-set to the correct engine speed and must not be adjusted, otherwise damage to equipment or the generator may be caused and will invalidate any warranty
- Check that the generator is located on level ground and in an open space with free air flow on all sides, at least one metre from other equipment and buildings, and clear of any combustible material
- Check the lubricating oil level and fuel level; top up as necessary
- Do not overfill. The engine must be level when checking the oil.
- Oil level should reach the edge of the filler neck
- The generator will not start if the oil level is below a pre-set level. However, the oil level should never be allowed to fall this low as serious engine damage may still occur
- Check that all equipment is disconnected from the generator.

### Vanguard V Twin – Electric Start:

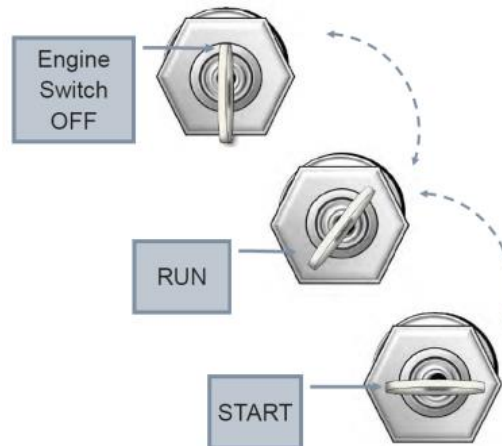


Fig. 6. Vanguard Electric Start On-Off Switches

Turn the engine switch to the START position until the generator starts. Return the switch to the ON/RUN position.

Move the Choke Lever to the OPEN position.

Allow the engine to warm up for 1 minute before connecting any load to the generator output.

### Stopping:

- Switch off and disconnect the load. Allow the generator to run off load for 2 minutes to cool down.
- Turn the Engine Switch to the OFF position
- Move the Fuel Valve to the OFF position
- The generator will automatically shut down if the oil level falls below a pre-set level. However, the oil level should never be allowed to fall this low as serious engine damage may still occur. Always check the oil level before use and top up as necessary.

Do not overload the generator as this will cause overheating and shorten the life of the generator. Check that the total load from all equipment connected does not exceed the generator rating. The output (auxiliary output only on welders) may be protected against severe overload by circuit breakers, when fitted.

### Lubrication oil:

Check the oil level daily and top up as necessary. Check the oil level when the engine is stationary. Do not overfill. The oil level should be marked on the dipstick when it is NOT screwed into the engine.

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### Squeeze Off

Mechanical, Hydraulic and Controlled Release Units  
SOU63, SOU125, SOU180, SOU200, SOU250, SOU400, SOU500,  
SOU-Controlled Release



### Pipe Cutting

Plastic Pipe: Guillotine-125, Guillotine-225, Guillotine-315, Hy-Ram  
PE Power Saw  
Metallic Pipe: Ridgid246, Wheeler-Rex Crackers, Hinged Cutters,  
Keel Cutter, Fein Reciprocating Saw, UPC Reed Cutter



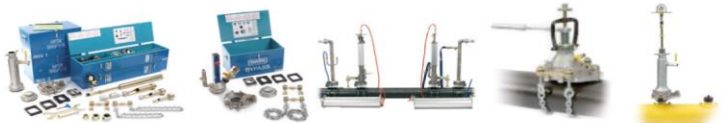
### Underpressure Drilling

No.1 Drilling machine, Universal Drilling machine, WASK Teeset,  
Compact 4 Branch Drill, Compact 6 Branch Drill, LR67 Hi-Flow  
Drilling Machine, PEART150



### Flow Stopping

WASK Gas Bagging Off Kit, WASK Aquastop & Hyrant Wizard,  
WASK By-Pass



### Pipe Handling

Pipe Handlers, Pipe Pushers, Pipe Rollers, McElroy PolyHorse™



### Trenchless

Moles (45 – 180mm), Towing Heads (50 – 450mm), Pipe Pushing  
Machines (63 - 400mm), Pipe Breakers 2 - 8"



### General Equipment

Clegg Testers, Gas Monitors, Test Pumps, Submersible Pumps,  
Cable Detectors, Cobra Rods and Reels, Pipe Expanders, Breathing  
Apparatus



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