

OPTIONAL EXTRAS (available as retro fitting)

FUEL ACTIVE™ Investment in Reliability

Eliminating fuel contaminants being drawn into your fuel system

UP TO 80% OF BREAKDOWNS ON ENGINE DRIVEN EQUIPMENT RESULT FROM FUEL CONTAMINATION

Fuel contamination occurs either

- a) naturally by build up of condensation in empty fuel tank
- b) dirty fuel being put into the tank due to contamination containers being used

Water is heavier than diesel so it sinks to the bottom of the fuel tank. Traditional fuel pick up pipes, pick up fuel from the bottom of the tank which is contaminated.

The **Fuel Active System** uses a float which means that fuel is picked up from the top.

OPERATIONAL BENEFITS

- Less time spent by workshop/customer support team on breakdowns.
- More time spent on other repairs
- Quicker turnaround of equipment and more machines available to hire
- Better utilisation of equipment

CUSTOMER BENEFITS

- More satisfied customers
- Avoids difficult conversations where it is hard to prove who contaminated the fuel (often the hire company will end up taking the hit on the chin as contractor will claim some of contamination relates to previous hires)

Financial benefits Cost of breakdowns

The cost of standard breakdown could be estimated as follows:

| | |
|---|-----|
| Distance to and from 80 miles @ 50ppm | £40 |
| Travelling time - 2hrs @ £40ph | £80 |
| Time spent effecting repair - 2 hrs @ £40ph | £80 |
| Parts used (eg filters) | £30 |

Overall cost (exc admin costs) £230

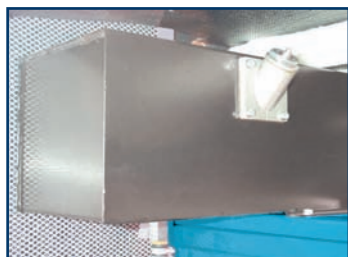
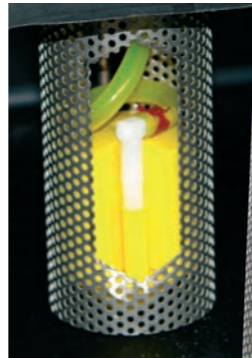
This assumes more serious damage is not more serious (eg repairs to injectors and fuel pumps: avg. £600)

If we assume that there is one breakdown per VT1 per annum that is currently related to fuel contamination this is a straight cost saving of **£230pa** or **£1,150** over a five year life

ENVIRONMENTAL BENEFITS

Fuel efficiency saving reduces carbon emissions. Less site visits in response to breakdowns means less journeys and lower emissions.

- Exclusive to GenSet
- Patented Fuel Active system



FEATURE
Low Oil Level Makeup System.

BENEFIT
Allows for extended unmanned operation, which reduces transport and engineering costs at site.



FEATURE
Low Oil Level Engine Shutdown System.

BENEFIT
Protects engine from running out of oil and causing engine failure.

FEATURE

PURADYN OIL BYPASS FILTER

By removing all contaminants, filtered oil is then treated to further remove by evaporation all fuel and water. Clean oil is then returned to the sump.



BENEFIT

- A. Reduces engine wear
- B. Reduces oil purchases up to 90%
- C. Reduces oil related maintenance up to 90% - extending service intervals up to 1000 hours
- D. Cooler running engines and equipment
- E. Increased engine efficiency



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HireMan POWER GENERATORS

RUGGED AND RELIABLE POWER FOR ALL APPLICATIONS

Thorough research and the very latest manufacturing techniques have been utilised to produce this range of high quality, robust, super efficient and emissions compliant generators.



Generating interest



TECHNICAL SUPPORT & TRAINING CENTRE



TECHNICAL SUPPORT



- A team of 6 technical support co-ordinators with dedicated lines and a collective 70 years plus of product and rental industry experience
- 50 + Independent Field Service Engineers available throughout UK and Ireland
- Each technical support co-ordinator fully trained, able to offer technical advice and guidance on individual GenSet products and application
- Specialist product knowledge available on power generation, installation and field application
- Customer requests for maintenance/repair guaranteed to be answered within 4 hours with confirmation when engineers will be on site
- All customer requests logged into individual database showing history profile which can be integrated into customers own IT system if required. Updated each time a call is made.
- Warranty procedures guarantee that an engineer will be on site within 24 hours of request
- GenSet performance audit carried out with regular Customer Surveys

SERVICE AND WORKSHOP FACILITIES

- Brand new 20,00 sq.ft service centre
- 10 workshop based service engineers fully trained in mechanical and electrical procedures (qualified to 16th edition).
- Wide range and state of the art test equipment
- Service and repair work conform to environmental guidelines on the disposal of waste material
- Full test certificates issued after each service/repair that guarantee every machine and its performance
- All GenSet engineers undergo continuous training to meet developing technology and new product lines
- Workshop environment and procedures in strict accordance with Health and Safety at Work regulations
- ISO 2002 accreditation and working towards new ISO18001 standards
- Stringent Pre delivery checks and real time performance tests carried out on all GenSet products
- Pumps are rigorously tested ensuring that performance curves are achievable in the field



SPARES AND PARTS DEPARTMENT



- 3 dedicated Parts Managers with over 40 years collective experience in the parts/rental industry
- Computerised parts inventory/stock levels for all items
- Orders accepted by phone, fax or email
- Orders/parts requests integrated into Technical Support Customer Database
- Extensive range of parts stocked to meet most requests
- Overstock of parts for high cost equipment already in the field
- Diagrams or drawings supplied where appropriate

EDUCATION AND TRAINING CENTRE

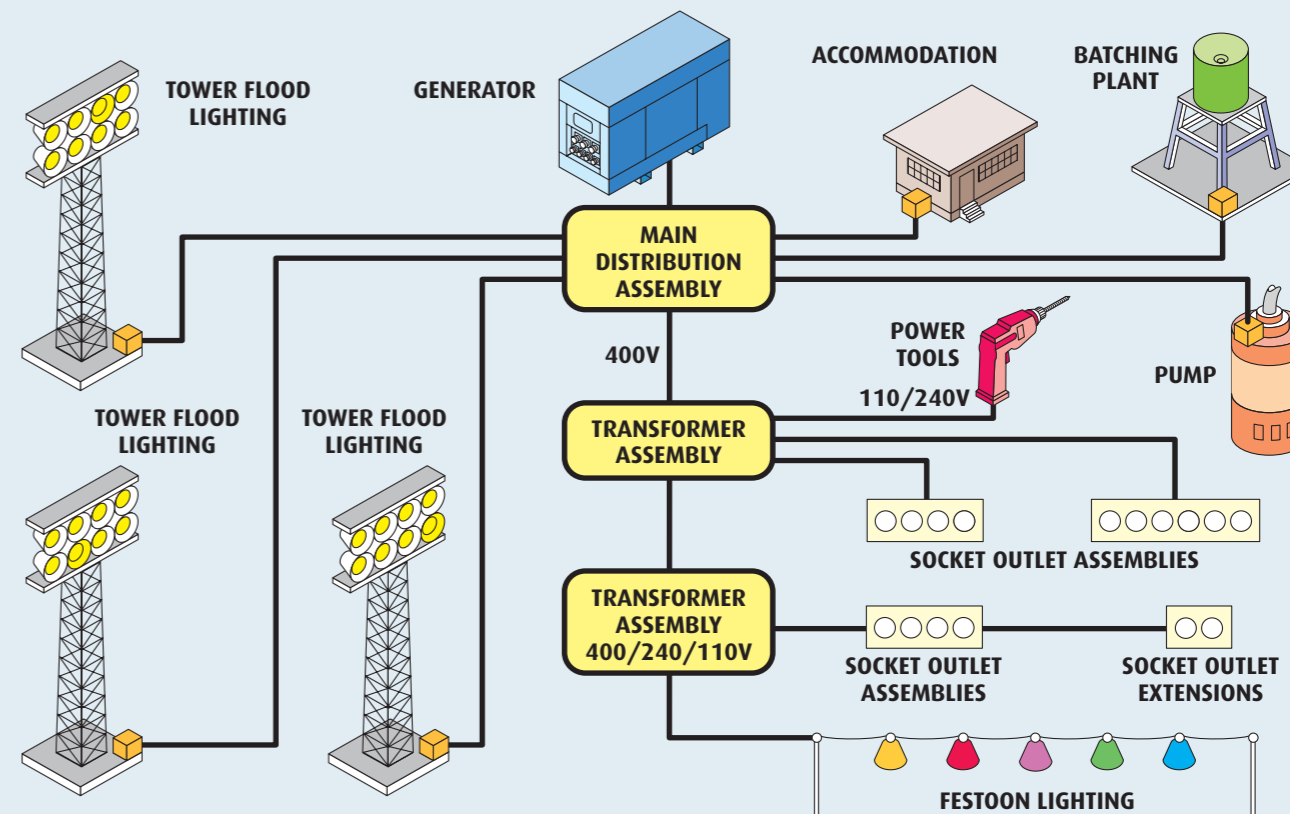
- Fully qualified team of Training Managers
- Training/courses available to meet customers individual requirements
- Courses regularly held on new products or new market development
- Training courses fully supported with customised manuals
- Comfortable facilities and informal environment with fully equipped Digital audio visual aids



HireMan

CONSTANT POWER SUPPLY MULTI PURPOSE USAGE

The illustration shows a typical application of how the **HIREMAN** provides a constant supply of electricity. Other applications include Cranes, Conveyors, Concrete Mixing, Pile Driving and the supply to hand held power tools



HARD WIRED TERMINALS

Located behind a clear plastic door, the easy accessible terminals allow for quick inserting of wires. Plastic dividers also offer protection against accidental connection terminals.

DOUBLE GALVANISED STEEL SKID CHASSIS

This robust skid means that the **HIREMAN** can be dragged easily. The underside is protected by strong sheeting, which also acts as a tank to prevent spillage. An extra feature of the skid is that it allows for fuel tank extensions.

HANDLING DEVICES

The **HIREMAN** models feature the provision of fork slots and lifting eyes allowing ease of handling.

EASY MAINTENANCE

Removable panels and large inspection doors mean quick and easy service and maintenance.

OPERATING SAFETY FEATURES

▶ Diesel oil hatch and oil drain pump for safe and easy drainage of lubricants.

▶ Battery cut-out system to prevent battery run-down.

▶ Air filter with replaceable cartridge.

▶ Protective Guards for hot spots.





SPECIFICATIONS

PERFORMANCE

| | MG 15 SSP | MG 23 SSP | MG 35 SSP | MG 50 SSP | MG 70 SSP | MG 115 SSP | MG 150 SSP | MG 200 SSV | MG 220 SSV | MG 275 SSV | MG 330 SSV | MG 410 SSV | MG 550 SSV |
|--|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Prime - kVA | 13 | 19 | 27 | 45 | 65 | 100 | 140 | 180 | 200 | 250 | 300 | 370 | 500 |
| Standby - kVA | 15 | 21 | 30 | 50 | 70 | 110 | 150 | 200 | 220 | 275 | 330 | 410 | 530 |
| Frequency - Hz | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Noise - dBA @ 7m ffc | 68 | 64 | 67 | 68 | 68 | 68 | 69 | 73 | 73 | 73 | 74 | 74 | 74 |
| Voltage - V Single Phase | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| Voltage - V Three Phase | N/A | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 | 415 |
| Current - Amps 415V Three Phase | N/A | 37.5 | 62.5 | 90 | 139 | 193 | 250 | 278 | 347 | 416 | 528 | 694 | |
| Current - Amps 240V Single Phase 54† | 53 | 75 | 139 | 200 | 250 | 350 | | | | | | | |
| Current - Amps 110V Single Phase 108 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Auto. voltage reg. - no load to full load +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% | +/- 1,5% |
| Insulation Class (Alternator) | H | H | H | H | H | H | H | H | H | H | H | H | H |

ENGINE

| | MG 15 SSP | MG 23 SSP | MG 35 SSP | MG 50 SSP | MG 70 SSP | MG 115 SSP | MG 150 SSP | MG 200 SSV | MG 220 SSV | MG 275 SSV | MG 330 SSV | MG 410 SSV | MG 550 SSV |
|-----------------------------|---------------------|---------------------|------------|------------|-------------|---------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Make | Perkins | Perkins | Perkins | Perkins | Perkins | Perkins | Perkins | Volvo/Penta | Volvo/Penta | Volvo/Penta | Volvo/Penta | Volvo/Penta | Volvo/Penta |
| Type | 403C-15G | 404C-22G | 1103C-33G3 | 1103-33TG3 | 1104C-44TG3 | 1104C-44TAG-2 | 1006TAG | TAD732GE | TAD733GE | TAD734GE | TAD941GE | TAD1241GE | TAD1641GE |
| Power - kW | 13 | 20 | 24 | 40 | 58 | 92 | 120 | 160 | 183 | 223 | 270 | 328 | 441 |
| No. of Cylinders | 3 | 4 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Displacement - litres | 1131cm ³ | 2216cm ³ | 2.5 | 3.99 | 3.99 | 4.4 | 6.6 | 6.73 | 7.28 | 7.28 | 9.6 | 12 | 16 |
| Full Load Speed - rpm | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Full Tank capacity - litres | 67 | 67 | 310 | 310 | 310 | 550 | 550 | 600 | 600 | 600 | 700 | 700 | 800 |
| Run Time Hours @ 75% Load | 17 | 17 | 50 | 31 | 24 | 25 | 19 | 17 | 15 | 13 | 12 | 12 | 8 |
| Electrical System - Volts | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 24 | 24 | 24 | 24 | 24 | 24 |

DIMENSIONS

| | MG 15 SSP | MG 23 SSP | MG 35 SSP | MG 50 SSP | MG 70 SSP | MG 115 SSP | MG 150 SSP | MG 200 SSV | MG 220 SSV | MG 275 SSV | MG 330 SSV | MG 410 SSV | MG 550 SSV |
|---------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Length - cm | 150 | 150 | 238 | 238 | 238 | 290 | 290 | 420 | 420 | 420 | 450 | 470 | 510 |
| Width - cm | 70 | 70 | 95 | 95 | 95 | 105 | 105 | 148 | 148 | 148 | 148 | 148 | 150 |
| Height - cm | 118 | 118 | 156 | 156 | 156 | 177 | 177 | 241 | 241 | 241 | 240 | 240 | 240 |
| Wet Weight - Kg (approx.) | | | 1490 | 1600 | 1700 | 2430 | 2570 | 4490 | 4550 | 4600 | 5290 | 5950 | 6840 |
| Dry Weight - Kg | 590 | 644 | 1240 | 1390 | 1500 | 1990 | 2130 | 3980 | 4050 | 4260 | 4740 | 5300 | 6200 |

CONTROL & INSTRUMENTATION

| | MG 15 SSP | MG 23 SSP | MG 35 SSP | MG 50 SSP | MG 70 SSP | MG 115 SSP | MG 150 SSP | MG 200 SSV | MG 220 SSV | MG 275 SSV | MG 330 SSV | MG 410 SSV | MG 550 SSV |
|----------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Control Panel | Key | Key | Key | Key | Key | Key | Key | Logica | Logica | Logica | Logica | Logica | Logica |
| Voltage Adjusting Rheostat | N/A | N/A | POA | POA | POA | POA | POA | POA | POA | POA | POA | POA | POA |
| Mains Breaker* | 50amp | 30amp | 40amp | 63amp | 100amp | 150amp | 175amp | Adjust | Adjust | Adjust | Adjust | Adjust | Adjust |

OPTIONS

| | MG 15 SSP | MG 23 SSP | MG 35 SSP | MG 50 SSP | MG 70 SSP | MG 115 SSP | MG 150 SSP | MG 200 SSV | MG 220 SSV | MG 275 SSV | MG 330 SSV | MG 410 SSV | MG 550 SSV |
|----------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base Plate with Spill Tray | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 3 way Fuel Valve | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Electronic Governor | X | X | ■ | ■ | ■ | ■ | ● | ■ | ● | ● | ● | ● | ● |
| Road Trailer | ■ | ■ | ■ | ■ | ■ | ■ | ■ | X | X | X | X | X | X |
| Customised Livery | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Auto Start Package | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ● | ● | ● | ● | ● | ● |
| Refinery Kit | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Dual Frequency | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Heavy Duty Impregnation | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Sockets | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

* Contactor MG200-550 ■ Optional ● Standard X Not Available † If change over switch 240/110V. No 3 phase

OPTIONAL EXTRAS

- Twin axle road towing trailers
- Twin axle site towing trailers
- Lighting Tower attachment
- 'Synchlock' control
- Electronic speed governing

- Extended running times for unmanned operation (bulk fuel tanks and oil make-up systems)
- Petrochemical or Offshore/RigSafe kits (inc. Chalwyn valve, steel braided fuel Certified Spark arrestor silencer).

- Automatic dummy load banks to ensure optimum engine performance.
- Oversized alternator for high single phase output thus maximising engine capacity in single phase mode.
- Dedicated single phase configuration.

- 3 phase sensing AVR
- PMG excitation
- Special Fuel systems
- Special Certifications
- Multivoltage

- Synchronising and load sharing
- 'No Break Return' synchronising
- Manual and automatic transfer switch systems
- Special bespoke products
- Product, sales and service training

- Project support
- Cabling
- Distribution
- Installation
- Commissioning

- AMF and AGF panels to protect your load, show or concert.
- UPS systems
- G59 protection.
- Engine Coolant Heaters
- Alternator Anti-condensation heaters
- Custom livery



FEATURE

- A. All round lockable enclosure.
- B. Stainless steel hinges.

BENEFIT

- A. Reducing risk of vandalism and component theft i.e. Battery, Fuel, etc.
- B. Long life – appearance.



FEATURE

Control Panel c/w hours run Meter, Oil Pressure Gauge, Fuel Level Gauge. Volvo range only.

BENEFIT

Enables monitoring of engine and alternator performance. Hourmeter allows service intervals to be regulated and a charge to be levied for extended running periods e.g. Extra income for 24 hours running.

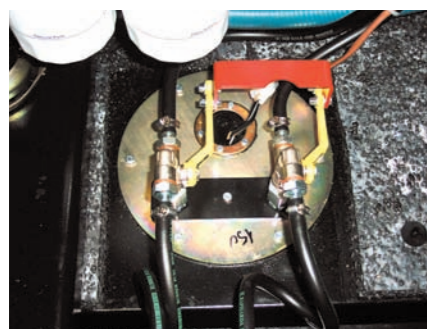


FEATURE

Set mounted Distribution Board with individual circuit breakers. Up to MG 150SSP only.

BENEFIT

Enables higher rental rate to be achieved as distribution facilities can still be charged for at zero cost. Further there is no need for electrician to wire machine in, saving cost, Hirer could justify an increased premium.

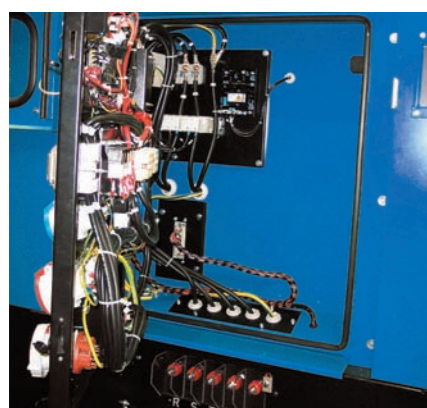


FEATURE

Separate Tank facility c/w quick release couplings.

BENEFIT

Enables use of larger capacity external fuel tank reducing refuelling times saving man hours.

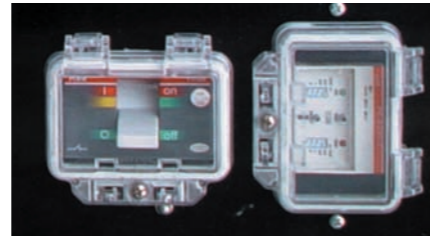


FEATURE

- A. Lockable Door for Output Connected Box c/w Shutdown Safety Switch.
- B. Control panel door. Volvo range only.

BENEFIT

- A. Prevents accidental injury resulting in liability claims.
- B. Easy access to all electrical components including AVR and speed controller (when fitted), thus reduces labour costs.



FEATURE

- A. Automatic Circuit Breaker Trip on engine shutdown or undervoltage.
- B. ELR 3C adjustable time and current earth leakage relay.

BENEFIT

- A. Prevents machine starting under load resulting in premature engine wear, thereby reducing maintenance costs. Separate terminal connection, for AMF operation. The GenSet ATS panel has circuit breaker included, and generator side.
- B. Enables you to discriminate without sacrificing earth leakage protection.

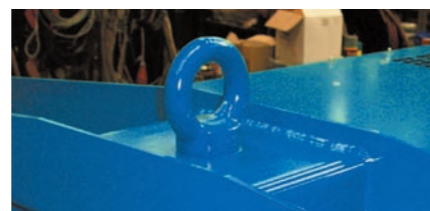


FEATURE

Integral, Ineris Certified Spark Arrested Exhaust Silencer. Up to MG 150SSP only

BENEFIT

Enables machine to be hired into petrochemical sites where premium rate can be charged. Expands potential customer base.



FEATURE

Central lifting eye, removable.

BENEFIT

Easily manvourable, anti-theft.



FEATURE

Lube Oil Hand Drain Pump.

BENEFIT

Enables the machine to be serviced on site without having to lift the machine, saving transport and lifting costs.



FEATURE

Battery Isolator Switch.

BENEFIT

Isolates starting system to prevent illegal use of machine or flattening the battery.

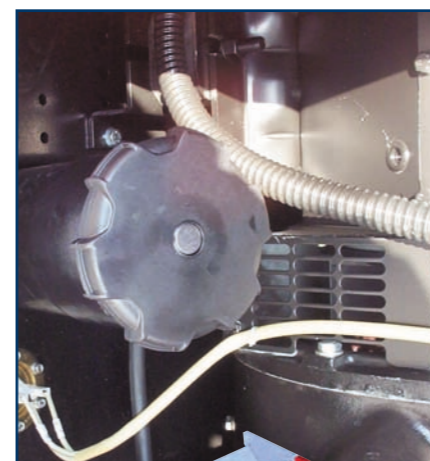


FEATURE

Latching type Emergency Stop Button.

BENEFIT

Enables the machine to be shut down quickly in the event of a problem that could lead to a major failure. This minimises risk of significant repair cost.



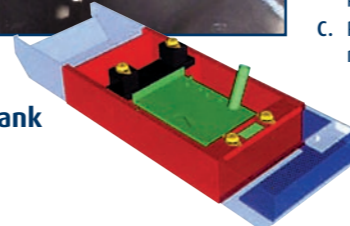
FEATURE

- A. Minimum 24 hour running Fuel Tank.
- B. Bunded Fuel Tank/Bunded Base.
- C. Internal Fuel Filler.

BENEFIT

- A. Reduced number of re-fuelling time per day resulting in a labour saving.
- B. Environmentally friendly reducing risk of contamination and resultant liability. New legislation states that any ground contamination must be rectified. Unlimited fines may also be levied. Many customers will pay premium for peace of mind.
- C. Prevents tampering/Theft of fuel, and meets latest legislation.

■ Bunded Tank
■ Fuel Tank



FEATURE

Easy access to alternator terminal connections and service items.

BENEFIT

Ease of on-going maintenance.



FEATURE

Fork pockets.

BENEFIT

Easily manvourable.



FEATURE

- A. Rubber Gland Plate and Metal Cable Clamp. Hardwire Facility 240V/110V (Multi Voltage). Hardwire Facility 3 Phase (Standard/Multi Socket)
- B. Blank metal gland plate supplied loose.

BENEFIT

- A. Enables ease of connection when using armoured cable reduction in man hours labour time.
- B. Allows the fitting of gland – if necessary.