DIESEL SPACE HEATER

UNIMAC

UMDHT-68 MKII

DEATH OR SERIOUS INJURY BY EXPLOSION OR FIRE
Only use with diesel
Keep away from flamable vapours and explosive atmopheres.

NEVER USE WITH PETROL
DIESEL/OIL USE ONLY

RISK OF DEATH OR SERIOUS INJURY BY EXPLOSION OR FIRE

SOURCE OF IGNITION: This pump must only be used for Diesel, High Flashpoint Oil or non-flamable liquids.

NEVER USE WITH PETROL, ALCOHOL, KEROSENE OR ANY OTHER LOW FLASHPOINT LIQUID.

KEEP AWAY FROM FLAMMABLE VAPOURS AND EXPLOSIVE ATMOSPHERES.



User Manual

[Revision 5.0]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. **Failure to add engine oil will void the product warranty**.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

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General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!



- **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**
- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Diesel Heater Safety

- Read instructions carefully. Read and follow all instructions. Place instructions in a safe place for future reference. Do not allow anyone who has not read these instructions to assemble, light, adjust or operate the heater.
- If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.
- Service must be performed by a qualified service agency.
- Unvented portable heaters use air (oxygen) from the area in which it is used. Adequate combustion and ventilation air must be provided. Refer to instructions.
- **WARNING! DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**
- **WARNING! FIRE, BURN, INHALATION, AND EXPLOSION HAZARD. KEEP SOLID COMBUSTIBLES, SUCH AS BUILDING MATERIALS, PAPER OR CARDBOARD, A SAFE DISTANCE AWAY FROM THE HEATER AS RECOMMENDED BY THE INSTRUCTIONS. NEVER USE THE HEATER IN SPACES WHICH DO OR MAY CONTAIN VOLATILE OR AIRBORNE COMBUSTIBLES, OR PRODUCTS SUCH AS GASOLINE, SOLVENTS, PAINT THINNER, DUST PARTICLES OR UNKNOWN CHEMICALS.**
- **WARNING! DIRECT-FIRED HEATERS MAY CAUSE CARBON MONOXIDE (CO) POISONING WHEN INCORRECTLY USED, E.G INDOORS WITHOUT ADEQUATE AIR CIRCULATION, OR IF NOT PROPERLY WORKING. CO POISONING MAY LEAD TO DEATH.**
- **GENERAL HAZARD WARNING! FAILURE TO COMPLY WITH THE PRECAUTIONS AND INSTRUCTIONS PROVIDED WITH THIS HEATER, CAN RESULT IN DEATH, SERIOUS BODILY INJURY AND PROPERTY LOSS OR DAMAGE FROM HAZARDS OF FIRE, EXPLOSION, BURN, ASPHYXIATION, CARBON MONOXIDE POISONING, AND/OR ELECTRICAL SHOCK. ONLY PERSONS WHO CAN UNDERSTAND AND FOLLOW THE INSTRUCTIONS SHOULD USE OR SERVICE THIS HEATER. IF YOU NEED ASSISTANCE OR HEATER INFORMATION SUCH AS AN INSTRUCTIONS MANUAL, LABELS, ETC. CONTACT THE MANUFACTURER.**
- **WARNING! NOT FOR HOME OR RECREATIONAL VEHICLE USE.**
- **WARNING! YOUR SAFETY IS IMPORTANT TO YOU AND TO OTHERS, SO PLEASE READ THESE INSTRUCTIONS BEFORE YOU OPERATE THIS HEATER.**
- The electrical system to which the appliance is connected must comply with current legislation. Installation requires a residual current circuit breaker (RCCB) in the main electrical distribution board.
- Unplug the appliance before performing any maintenance operations.
- Always check the power cable before using the appliance. It must not be bent, taut, stretched, crushed or any way damaged.
- The power cable must be replaced by qualified personnel only. Use an original power cable only with a 3-pin approved plug.
- The front outlet is extremely hot during operation. Do not touch! Burn danger.

⚠ DANGER ⚠

Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES. Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.

ONLY USE INSIDE A BUILDING IF THE AREA IS WELL VENTILATED. SUITABLE ENVIROMENTS INCLUDE WORKSHOPS, WAREHOUSES, JOB SITES AND GARAGES. INDOOR USE WITHOUT VENTILATION MAY RESULT IN SERIOUS INJURY OR DEATH.

Avoid other hazards - READ MANUAL BEFORE USE.

GENERAL:

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

PRODUCTS FEATURING AN ENGINE

- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.

GENERATORS

- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

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Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 **Flammable Material Hazard** Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 **Read User Manual** Read and fully understand product safety warnings, operation, procedures etc before using the product.	 **Use Hand Protection** Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 **Electrocution / Electrical Shock Hazard** High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 **Toxic Fumes / Dust Hazard** Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 **Explosive Material Hazard** Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 **Cutting / Amputation Hazard** The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 **Crush Hazard** The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 **Single Operator Only** The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 **Use Face Protection** Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 **Use Foot Protection** Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 **Use Eye / Ear / Head Protection** Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 **Running Hazard** Do not run on or near the product as doing so may present a fall hazard.	 **Diving Hazard** Do not dive into the product as doing so may present a neck / head injury hazard.	 **Adult Supervision Required** Always supervise children and other users of a product to prevent drowning or injury.
 **Skin Penetration / Puncture Hazard** The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 **Hot Surface Hazard** Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 **Flying Debris Hazard** Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 **Moving Parts Hazard** Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

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 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	 **Choking Hazard** Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

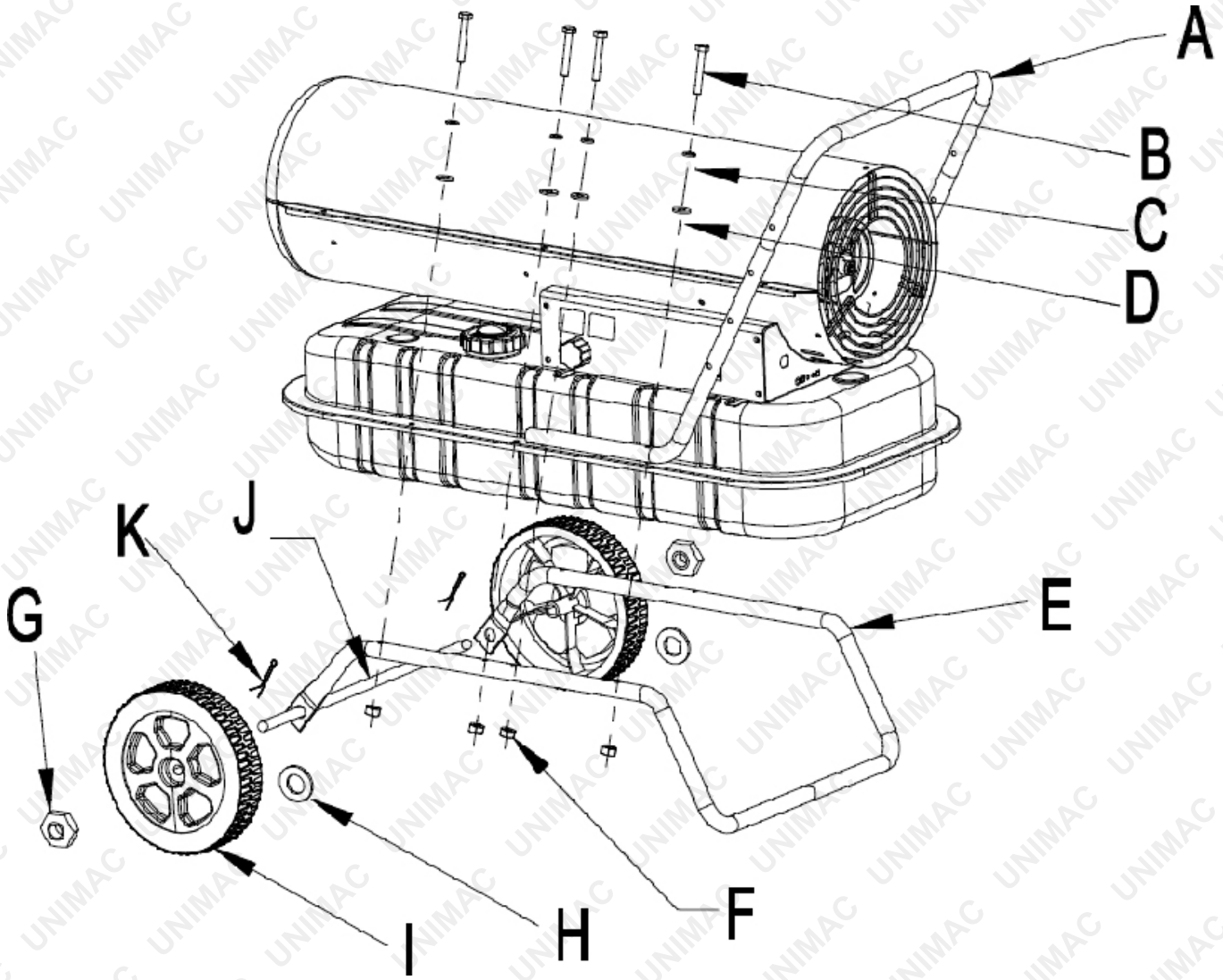
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Parts Identification



No.	Part Name	Qty.
A	Handle	1
B	Screw	6 or 8
C	Spring washer	6 or 8
D	Plain washer	6 or 8
E	Feet pipe	1
F	Nut M5	6 or 8
G	Nut M12	2
H	Plain washer ø12	2
I	Wheel	2
J	Wheel shaft	1
K	Cotter	2

Spare parts available for purchase, scan QR code below:

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Assembly

Extract the heater from its carton. If the unit is damaged in any way, do not use it, and contact your dealer.

To assemble the heater, proceed as follows (refer to image in the Parts Identification section):

1. Insert the wheel shaft (**J**) to the corresponding hole of feet pipe (**E**).
2. Insert the cotter (**K**) to the corresponding holes.
3. Insert the plain washer (**H**) to the two sides of shaft.
4. Slide the wheel (**I**) over the wheel shaft (**J**), screw the nut (**G**) to secure the wheel on the shaft.
5. Put the heater body on the feet pipe assembly, make sure the 4 holes of handle (**A**) point towards the corresponding 4 holes on the feet pipe, respectively.
6. Using the screws (**B**), spring washers (**C**), plain washers (**D**) and nuts (**F**) to secure the feet pipe assembly and handle to the tank.

Installation

- Position the heater on a flat, level, non-flammable, solid surface.
- Direct-fired heaters are intended for use in outdoor open areas or in indoor well-ventilated areas. For indoor use, provide permanent ventilation openings of at least 25 cm²/kW, equally distributed between floor and high level, with a minimum of 250 cm².

  Minimum opening size: 800cm²
- Only install the heater in normal upright position.
- Do not place the heater near walls, corners, or low ceilings.
- Do not place the heater below a socket outlet.
- Do not place the heater on moving vehicles or where it can tip over.
- Keep the heater away from flammable, combustible, explosive, or corrosive materials.
- Keep the heater away from curtains or similar materials that could block the air inlet and outlet.
- Never block or restrict the air inlet and outlet for any reason.
- Keep the power cable away from heat sources, sharp edges, cutting and moving parts.
- Do not expose directly to the weather or to excessive humidity.
- Do not place the heater in the immediate surroundings of a bath, shower or swimming pool.
- Follow general and special fire safety regulations in force in all fields of applications. In any case ensure the following minimum safety clearances from materials or objects in the surroundings of the heater:
  - Side: 0.6m
  - Air inlet side: 1m
  - Top: 1.5m
  - Hot air outlet side: 3m
  - Floor: 0m
- Floors and ceilings must be made of fireproof materials in the place where the heater is operated.
- Do not connect direct-fired heaters to air ducts.

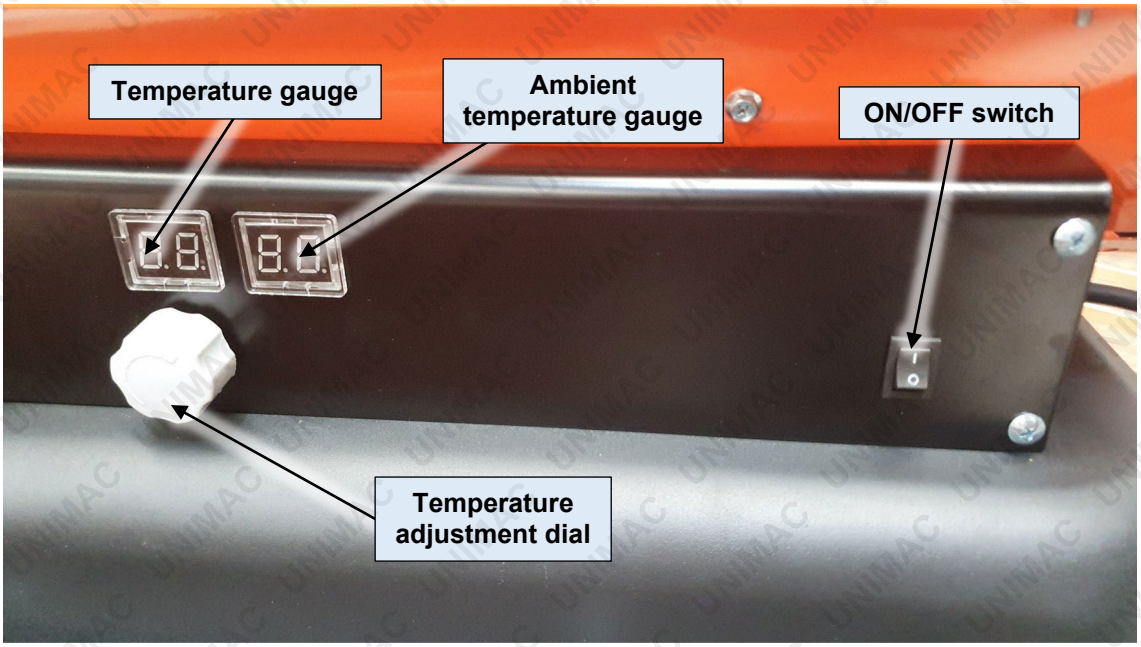
Operation

WARNING: This product may heat surfaces around it. Heat may be projected in any direction. Keep away from any surface that could be affected by heat.



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Starting-Up



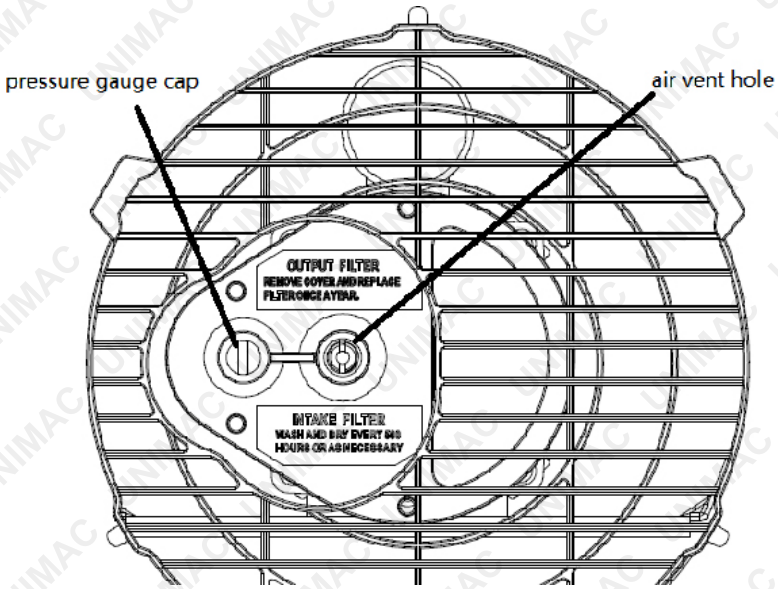
Note: Product appearance depicted in image above may vary slightly from your product.

1. Fill tank with clean fuel. **Only use Diesel or Kerosene**.
2. Check the fuel level with the fuel gauge on top of the tank.
3. Connect the power cord plug to a 230V/50 Hz earthed electrical supply system. **Earthing is mandatory**.
4. When the Start-up instructions above have been completed, the left display window will show “---”, and the right display window will show the ambient temperature value.
5. Push the power switch to the ON position.
6. The default temperature setting is 20°C, which is shown on the left display window.
7. If the ambient temperature is lower than the default temperature, the electrodes will start to produce sparks. After 7 seconds, the heater will start.
8. If the ambient temperature is higher than the default temperature, turn the thermostat control knob to the desired temperature. The electrodes will start to produce sparks. After 7 seconds, the heater will start.

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Cold Start-Up

At low temperatures, cover the air vent hole (see image below) with a finger during ignition to make start-up easier.



Abnormal Operation

In case of malfunction (flame failure, reduced air flow, bad combustion, etc.) the heater will stop, and the indicator light will start flashing (THE LOCK-OUT MODE code will show on the display window).

Manual Reset/Restart

If the heater is in lock-out mode, check and remove the cause of the lock-out before restarting the heater. To reset, turn the ON/OFF switch to ‘O’ and then again to ‘I’. In case of repeated malfunction, call an authorised technician or service centre. Turning the thermostat control knob will NOT reset the heater.

Shutting Down

Move the switch to the OFF (O) position. Unplug the unit if you are not going to use it for an extended period.

• Never disconnect the heater from the mains to stop it while in operation. • Do not cover the heater. Do not block the air inlet and outlet. • The heater outlet is extremely hot during operation and after use. **DO NOT TOUCH!** Use personal protecting equipment if needed. • Children should be supervised to ensure that they do not play with the heater. • The heater is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge. • Unplug the heater before moving it. Never pull the cable to unplug or move the unit. • Do not leave the heater unattended when in use. • Never use the appliance with wet hands or when either the heater or the power cable is wet. • If the power cable is damaged, it must be replaced by an authorised technician or service centre.

Maintenance

• Before starting any maintenance task, shut down, unplug, and let the heater cool down for at least 15 minutes. • Do not attempt any electrical repair yourself. If the heater needs service or repair, contact a qualified technician. • Do not use a faulty unit unless a qualified technician has inspected and repaired it. • When cleaning, make sure that water does not enter the unit. • Do not open the enclosure to clean the inner parts. Do not spray water into the heater. • Never use solvents, gasoline, toluene, and similar aggressive chemicals to clean the heater.

- Regularly wipe the enclosure using a soft sponge or cloth. For very dirty parts, use a clean sponge with lukewarm water and a mild detergent, then dry it using a soft, clean cloth.
- Keep the air inlet and the fan clean from any dust and dirt. To clean inner parts, gently blow compressed air through the air inlet.
- Regularly inspect the power cable: if worn out, cracked or damaged, have it replaced by an authorised technician or service centre.
- Before storing the heater, make sure it is perfectly cool and dry. Cover the unit with a plastic bag, put it in its carton and store it in a dry, well-ventilated location.

The following checks should be performed by qualified personnel ONLY and is recommended before every seasonal use:

Nozzle

Carefully unscrew the nozzle from the nozzle fitting. Blow compressed air through the nozzle opening to clean it from any dirt. Replace nozzle, if necessary.

Air Filters

Clean the air filters. Remove filter end cover, wash air intake filter using a light detergent and dry it thoroughly before re-installing. Replace air delivery filter once a year.

1. Remove the x3 screws holding the rear guard.
2. Pull out the air filter and clean it with detergent or soapy water and dry.
3. Reinstall the air filter.







Note: Product appearance depicted in images above may vary slightly from your product.

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Troubleshooting

PROBLEM	CAUSE	REMEDY
Motor does not start. **E1 error code displayed on the screen.**	No power or low voltage.	Check power line and voltage. Check fuse and replace if necessary.
	Faulty or damaged power cord.	Check and replace if needed.
	Faulty motor/capacitor.	Check and if necessary, replace.
	Lock-out of appliance due to previous overheating.	Detect the cause of overheating. Shut the appliance down. Check air inlet and outlet. Wait some minutes and restart the appliance.
E2 error code displayed on the screen.	The temperature probe is faulted or the connector for temperature probe is loosen.	Check and replace if the temperature probe if needed. Check and replace the PCB if needed.
Motor runs, but the heater does not ignite and locks out after a short time. **E1 error code displayed on the screen.**	Empty the fuel tank; dirty or wrong fuel.	Remove wrong or dirty fuel. Fill the tank with clean diesel or kerosene.
	Fuel filter clogged.	Clean or replace fuel filter.
	Air leaks in oil line.	Check hoses, tighten connections, if necessary, replace.
	Burner nozzle clogged.	Clean nozzle by blowing compressed air, replace if necessary.
	Fuel viscosity is higher at low temperature.	Mix diesel with 10-20% kerosene.
Flames come out of flue outlet. **E1 error code displayed on the screen.**	Insufficient airflow into combustion chamber.	Check air inlet, fan, motor.
	Compressor pressure too high.	Check air pressure, adjust if needed.
Heater stops during operation. **Ambient temperature displayed on the screen.**	The room temperature set on room thermostat has been reached.	Normal operation. To start, turn the temperature control knob clockwise on a higher setting.
Heater stops during operation. **E1 error code displayed on the screen.**	Flame failure. Bad combustion. Reduced airflow. Overheating.	Check and remove the cause(s) of malfunction. To reset, turn ON/OFF switch to ‘O’ and then to ‘I’. Call technical service if the problem persists.
	Low fuel (may blow smoke)	Turn off immediately and top up fuel

PROBLEM	CAUSE	REMEDY
LC displayed on the screen	Failing 3 times to ignite will lock the PCB and it will stop working.	With the power on, it will be unlocked after pressing the power switch to ON 3 times within 10 seconds.

Specifications

Voltage	240V/50Hz
Heating Output	30KW
Suitable Space Size	320-420m²
Air Output	750m³/hr
Motor Power	230W
Fuel Tank Capacity	38L
Runtime	15hr
Max. Fuel Consumption	2.4L/H
Input voltage	240V AC
Power Plug	Australian Standard

Note: Minimal Assembly Required

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Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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