

DRAPER

EN

Original Instructions
Version 1 May 2026

230V

DIESEL HEATER

36601



**UK
CA** **CE**

1. Preface

These are the original product instructions. Read the instruction manual in full and retain for future reference.

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.1 Product Reference

User Manual for: 230V Diesel Heater

Stock No: 36601

Part No: BG05010-70

1.2 Revisions

Version 1: May 2026

First release

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

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3. Product Introduction

3.1 Intended Use

This heater is designed to heat open and well-ventilated spaces through the combustion of diesel or kerosene fuels. Supplied with automatic ignition and fitted with a photocell safety device with heat protection.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

3.2 Specification

Stock No.	36601
Part No.	BG05010-70
Rated voltage	230V/50Hz
Rated Input	430W
Heat output	70KW
Air flow	1300m³/H
Max. heating area	2500m³
Fuel type	Diesel/Kerosene
Tank capacity	69L
Operation time (full tank)	10hours (approx.)
Fuel consumption	6.5L/H
IP rating	IPX0
Cord length(approx.)	1.5m
Dimensions (W×D×H)	1210 × 590 × 730mm
Net weight	35.6Kg

4. Health and Safety Information

 **WARNING!** Read all the safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

4.1 General Health and Safety Precautions

 **WARNING!** In order to avoid overheating, **DO NOT** cover the heater.

 **CAUTION!** Some parts of this product can become very hot and cause burns. Particular attention **MUST** be given where children and vulnerable people are present.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Observe all standard safety precautions and good practices when working with electrical equipment.
- Inspect the product before every use for cracked, corroded or broken parts and any leakages.

 **WARNING! DO NOT** use this product if it is damaged or leaking in any way. Contact Draper Tools for repair and replacement options.

- Use the product **ONLY** for its intended purpose and as instructed in this manual.

- **DO NOT** attempt to disassemble or modify this product in any way.
- If the heater is not working properly. Switch off and disconnect the heater and move to a well-ventilated area **IMMEDIATELY**. Have the heater checked for correct operation by a qualified engineer before next use.
- **NEVER** abuse the power cord:
 - Unwind the power cord fully before connecting it to the power supply.
 - **NEVER** remove the plug from the power supply by pulling on the cord.
 - **DO NOT** move the product using the cord or plug.
 - Keep the power cord away from sources of heat, liquids, sharp edges and moving parts.
 - The power cord attached to this product is not suitable for use on building sites.

4.2 Additional Safety Information for this Heater



DANGER! Improper use of this heater may result in serious injury or death from burns, fire, explosions, electrical shock and carbon monoxide poisoning.



DANGER! ONLY use this heater in well-ventilated areas and ensure continuous ventilation is provided.

- This heater is intended for use in commercial/ industrial buildings where adequate ventilation is provided. **DO NOT** use this heater in residential living areas.
- **DO NOT** use the heater in dusty environments.
- **DO NOT** expose this product to temperatures greater than 50°C.
- Position the heater on a firm and level surface during use and ensure that it is correctly and safely positioned.
- The heater must **ONLY** be used in its normal operating position.
- **ALWAYS** observe the correct clearances between the heater and surrounding objects:
 - Outlet: 3m
 - Sides, top and rear: 1.5m



WARNING! DO NOT position this heater in the vicinity of combustible materials, such as curtains, in explosive environments or in the presence of flammable or combustible gases and vapours.

- **DO NOT** position this heater below or pointing towards a power socket or outlet.
- **DO NOT** use the heater if the wheels are not fitted.
- Ensure that the power switch is in the '**OFF/O**' position before connecting the heater to the power supply.
- **ALWAYS** check that the heater is positioned safely before turning it on.
- **NEVER** leave the heater unattended while it is on under any circumstances.
- **NEVER** cover any part of the heater as this may cause the heater to overheat or the covering item to ignite or burn.
- **NEVER** insert foreign objects through the heat plate or other openings in the heater body.
- **NEVER** place objects on the heater while it is in use and keep all air vents clear of dust, dirt and other obstructions.



WARNING! Risk of shock!

- **DO NOT** expose to rain or use in humid areas.
- **DO NOT** allow the heater to come into contact with water or any other liquid.
- **DO NOT** use this heater in the vicinity of a bath, shower, swimming pool or other bodies of water.
- **DO NOT** touch the heater with wet hands.



WARNING! Some parts of the product become extremely hot during use and may cause burns.

- **DO NOT** touch any metal part of the heater other than the handle or wheels during or **IMMEDIATELY** after use.
- **DO NOT** touch or otherwise interfere with the fuel tank while the heater is in use or is still hot.
- **ALWAYS** switch off the heater, disconnect it from the power supply and allow it to cool for at least 20 minutes before attempting to move or reposition it.
- **ALWAYS** keep children and animals away from the heater.

4. Health and Safety Information

4.3 Electrical Safety

- **ONLY** use this product with a power supply with a power supply that matches the rated voltage of the heater.
- **NEVER** plug more than one heater into the same power outlet.
- **NEVER** allow the power cord to come into contact with other heated objects or direct the heater at the power cord or supply.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.
- **DO NOT** use this heater with a programmer, timer, separate remote-control system or any other device that switches the heater on automatically as it may be covered or positioned incorrectly when activated and pose a fire risk.

4.4 Health and Safety Information for the use of Diesel and Kerosene Fuels

Important: **ALWAYS** read and understand the fuel product label before use.

- **ONLY** use clean diesel or kerosene fuel with this heater.



WARNING! DO NOT use fuels such as petrol, benzene, paint thinners or other oil compounds in this heater under any circumstances.

- **NEVER** smoke in the vicinity of the machine, especially during refuelling.
- **NEVER** refuel the heater while it is switched on or is still hot.
- **ALWAYS** wear suitable protective gloves and other clothing during refuelling.
- **NEVER** transport the heater with fuel in the fuel tank; drain and store or dispose of all fuel responsibly before transporting the heater.
- **NEVER** start the heater if you can smell fuel vapour in the air. If fuel vapour is present, wait for it to dissipate or move to a new location.
- The heater and fuel get hot during use. **DO NOT** touch the heater during or **IMMEDIATELY** after use and allow it to cool before refuelling.
- **NEVER** remove the fuel cap while the heater is running or **IMMEDIATELY** after use. Take care when opening the fuel cap after use as hot vapour may be released from the opening.

- Store all fuels in a cool, clean and dry environment, away from direct sunlight and out of reach of children. Adhere to all local guidance relating to the correct storage of fuel.



DANGER! Diesel is a carcinogenic substance, and kerosene is known to have health implications if handled improperly. Exercise extreme caution when transporting and storing fuel and during refuelling. Clean up spillages IMMEDIATELY and dispose of fuel responsibly and in accordance with local regulations.



DANGER! Burning diesel emits toxic carbon monoxide: a colourless and odourless gas. Breathing exhaust fumes can cause loss of consciousness, permanent respiratory damage and eventually death. ONLY operate this machine in a well-ventilated environment. NEVER use this heater in living or sleeping areas.

4.5 Service

- Have your heater serviced by a qualified repair person using **ONLY** identical replacement parts. This will ensure that the safety of the heater is maintained.

4.6 Connection to the Power Supply

This appliance is supplied with an approved plug and cord for your safety.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

The damaged or incomplete plug, when cut from the cord, shall be disabled to prevent connection to a live electrical outlet.

This product is Class I[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked. This should **ONLY** be performed by suitably qualified personnel.



BSI



 **CAUTION! DO NOT** use this product with an extension lead or multi-socket.

† Earthed  : This product requires an earth connection to protect against electric shock from accessible conductive parts in the event of failure of the basic insulation.

4.7 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Identification and Unpacking

5.1 Product Overview



- 1 Hot air outlet
- 2 Transport handle
- 3 Fuel gauge
- 4 Fuel cap
- 5 **ON/OFF** power switch

- 6 Temperature display screen
- 7 Default temperature display screen
- 8 Temperature control dial

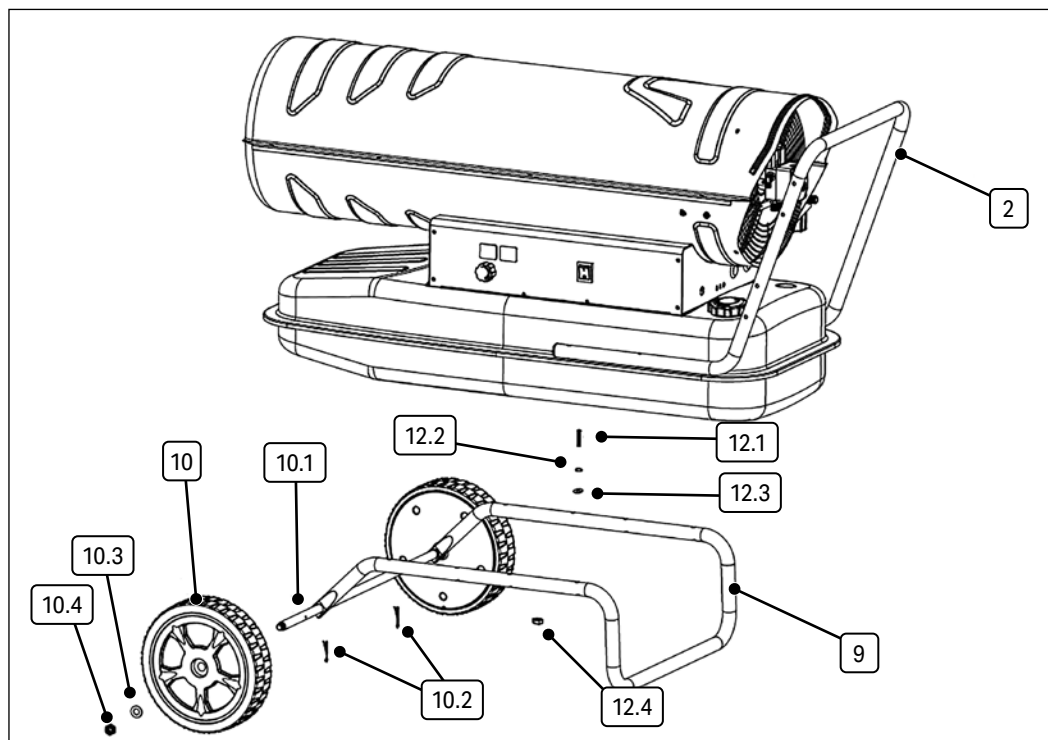
- 9 Leg frame
- 10 2 X Wheels
- 11 Cord and plug (not shown)

5. Identification and Unpacking

5.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

If any part is damaged or missing, **DO NOT** attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



2 Transport handle

9 Leg frame

10 2 x Wheels

10.1 Axle

10.2 2 x Split pin

10.3 2 x 12mm Washer

10.4 2 x M12 Nut

12 Handle and Leg Frame fixings

12.1 8 x Screws

12.2 8 x Spring washers

12.3 8 x Washer

12.4 8 x M5 Nuts

5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.



WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

6. Assembling Instructions

6.1 Fitting the Wheels (Fig.1)

1. Insert the axle (10.1) through the holes in the leg frame (9).
2. Then insert the split pins (10.2) into the holes in the axle.

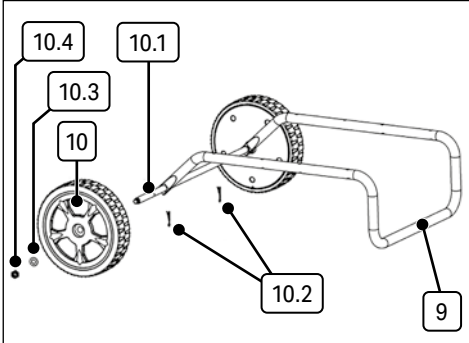


Fig. 1

3. Fit the wheels (10) to each end of the axle, then secure using the washers (10.3) and the nut (10.4).

6.2 Fitting the Transport Handle & Leg Frame (Fig.2 – Fig.3)

1. Place the heater body onto the leg frame assembly (9) – ensuring the holes in the leg frame (9) align with the corresponding holes in the heater body and the holes in the transport handle (2).

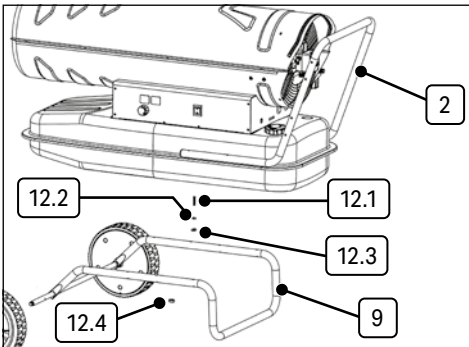


Fig. 2

2. Use the eight screws (12.1), spring washers (12.2), washers (12.3) and nuts (12.4) supplied to secure the handle and leg frame to the heater body.

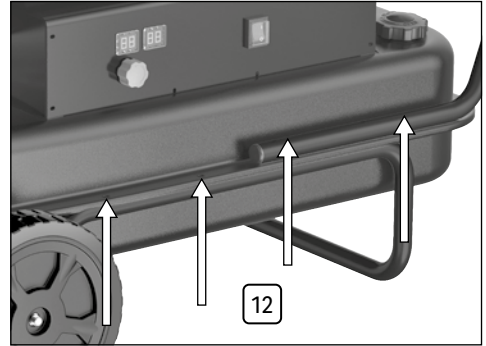


Fig. 3

7. Operating Instructions

Important: Before operating this product, read and understand all the safety instructions listed in this manual.



WARNING! DO NOT leave the heater unattended while it is connected to the power supply or switched on.

7.1 Acceptable Fuels



WARNING! This heater is suitable for use ONLY with standard diesel or kerosene. NEVER use petrol, oil, used oils, paint thinners, alcohol or other highly flammable fuels. Use of an incorrect fuel may cause an explosion and serious injury.

- **ALWAYS** ensure that the fuel tank is clean both before fuelling and once filled. Foreign matter such as rust, dirt or water may cause the ignition control to shut down the heater and may require regular cleaning of the fuel system.
- **ALWAYS** follow local guidance relating to the storage of diesel and kerosene.



WARNING! NEVER store diesel or kerosene in a living space. Store it in a well-ventilated area well away from any residential spaces and away from direct sunlight and sources of ignition and heat.

7.2 Fuelling the Heater



WARNING! ALWAYS ensure that the heater is switched off, disconnected from the mains power and has completely cooled before adding fuel. **NEVER** add fuel to the heater while it is running.

- **Important: ALWAYS** wear protective gloves during refuelling.
- **To add fuel to the heater:**
- Remove the fuel cap  and pour the fuel directly into the fuel tank until the fuel gauge  shows 'F', observing the following conditions:
 - **ALWAYS** place the heater on a level surface when fuelling.
 - **NEVER** overfill the heater and wipe up any spillages **IMMEDIATELY**.
 - **NEVER** add fuel to the heater while indoors; fuel the heater **ONLY** in well-ventilated areas.
 - **NEVER** use the heater without the fuel filter fitted.

7.3 Positioning the Heater



WARNING! This heater is designed for use ONLY in well-ventilated areas. Combustion of the fuels used in this heater produces toxic fumes that are dangerous if inhaled. NEVER use this heater to heat residential spaces.

- Provide a fresh air opening of at least 0.28m² (3ft²) for every 30,000kCal/h (189,000 BTU). This heater requires 0.292m² (3.15ft²), which can be approximated as:
 - A two-car garage door raised 15.25cm (6").
 - A single-car garage door raised 22.9cm (9").
 - Two 76.2cm (30") windows raised 38.1cm (15").
- Position the heater so that it stands upright unaided on a firm, level and fire-resistant surface and is located a safe distance away from flammable objects and wet environments.

7.4 Switching the Heater ON (Fig.4)



WARNING! ALWAYS ensure that there are no combustible materials in the vicinity of the heater.



WARNING! DO NOT move the heater during or **IMMEDIATELY** after use. **ALWAYS** switch off the heater, disconnect the power supply and allow it to cool before moving.

- **Important:** If the heater has recently been switched off, allow at least ten seconds before switching it back on again.

1. Ensure that the fuel tank has been sufficiently filled and the fuel cap has been securely and correctly fitted.

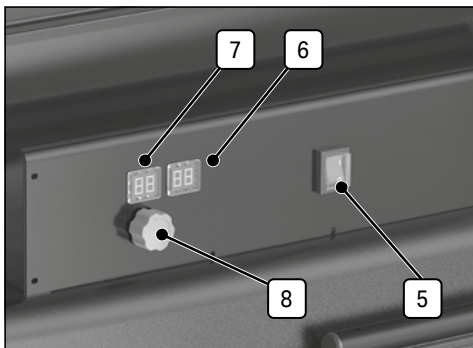


Fig. 4

2. Ensure that the power switch (5) is in the 'OFF/O' position and the temperature control dial is set to the lowest position.
3. Connect the heater to a mains power supply.
4. Move the power switch (5) to the 'ON/I' position.
5. The left display screen (7) will show the default temperature setting as 20°C. The right display screen (6) will show the actual ambient temperature.
 - If the ambient temperature is lower than the default temperature the heater will start after pre-ventilating for 12 seconds.
 - If the ambient temperature is higher than the default temperature, then turn the temperature dial (8) to the desired temperature and the heater will start after approximately 7seconds.

7.5 Switching the Heater Off

When switching off the heater:

1. Turn the temperature control dial (8) to the lowest setting, then move the power switch (5) to the 'OFF' position.
2. Wait for approximately 90secs for the heater to cool down before unplugging from the power supply.

8. Maintenance and Troubleshooting

Important: Read all the Health and Safety information in this manual before attempting to maintain this product. All maintenance should be carried out **ONLY** by authorised and suitably qualified personnel.



WARNING! ALWAYS ensure that the heater is switched off, disconnected from the power supply and has fully cooled (at least 20 minutes) before attempting to maintain this product.

8.1 General Maintenance

- Keep the heater clean and dry. Clean the heater body using a dry cloth **ONLY**.
- Keep air inlet and fan free from dirt and dust.
- Any maintenance or repairs to the heater, the plug or cord **MUST** be carried out by suitably qualified personnel.
- The heater should be inspected at least once a year by suitably qualified personnel.

8.2 Draining the Fuel

Important: Read all the Health and Safety guidance for the use of diesel as a fuel before filling or draining this product (Refer to **section 4.4**).

- To drain the fuel from the product, remove the fuel cap and use a siphon to extract the fuel into a suitable container, ensuring that there is no fuel left in the tank.
- If dirt or debris is present in the drained fuel or tank, pour a couple of litres of clean fuel into the tank and manoeuvre it around to clean the tank interior. Then drain the fuel again to prevent the filters from clogging.



CAUTION! DO NOT use water to clean the inside of the fuel tank.

Important: Wipe up any spillages **IMMEDIATELY** and dispose of old fuel responsibly and in accordance with local regulations.

8.3 Fuel Tank Care

- The fuel tank interior should be cleaned after every 200 hours of use or as necessary.
- To clean the fuel tank, add a couple of litres of diesel or kerosene and manoeuvre it around the interior of the tank, ensuring that the whole surface is coated, then drain the fuel tank (see **8.2 Draining the Fuel**).

8.4 Filter Care

- Remove the fuel tank cap (4) and clean the filter with clean fuel or replace if necessary. This should be carried out at least twice during the heating season by rinsing in clean diesel.

8.5 Burner Head/Nozzle/Ignition Electrodes/Fuel Pump Care & Servicing

- The heater should be inspected at least once a year by suitably qualified personnel and the nozzle/ignition device/burner head should be checked, cleaned and replaced where necessary.
- The fuel pump pressure is factory set and must be checked and adjusted by qualified technicians **ONLY**. Tampering with the unit may be dangerous.
- Contact Draper Tools to discuss servicing options.
- In the event that incorrect or contaminated fuel is used in the heater, it must be replaced **IMMEDIATELY**.

8.6 Storing the Heater

Important: **ALWAYS** ensure that the heater is switched off, disconnected from the power supply and has cooled thoroughly before storing it.

- Drain the heater of all fuel before storing it; see **8.2 Draining the Fuel**.
- Store the heater in a clean and dry location, out of reach of children.
- Keep the heater out of direct sunlight and away from combustible materials and sources of ignition when it is stored.

8.7 Troubleshooting

Problem/Error Code		Possible cause	Remedy
E1	Heater does not operate	No power or low voltage	Check plugged in and voltage is suitable for this heater
		Faulty or damaged power cord	Check plug fuse and replace if necessary Check cord and get it replaced if necessary
		Faulty motor	Contact Draper Tools for support
	Motor runs but heater does not ignite	Empty fuel tank, dirty or wrong fuel	Remove wrong or dirty fuel and rinse with clean diesel Refill tank with clean diesel or kerosene
		Ignition faulty or dirty Burner nozzle clogged	Contact Draper Tools for support
	Heater malfunction	Flame failure/poor combustion/ reduced air flow	Check for cause of malfunction
		Overheating	To reset – turn ON/OFF switch to 'O' and then to 'I' Contact Draper Tools if issue persists
LC	Lock Out mode	If ignition fails 3 times the PCB will be locked preventing operation	Check for cause before restarting. To reset - turn ON/OFF switch to 'O' and wait 30seconds then move to 'I' Contact Draper Tools if issue persists
E2	Temperature probe issue	Temperature probe faulty or connector loose/PCB issue	Contact Draper Tools for support
Heater stops during operation Ambient temperature on display		Room temperature has reached temperature set	Normal operation Turn temperature control dial to higher setting to start heater if required

9. Spares, Returns and Disposal

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

Important: For safety, **ALWAYS** drain and clean the product of any fuel before returning it to Draper Tools or its authorised agent. Store these materials in suitable containers and dispose of them in accordance with local regulations. Draper Tools and its agents cannot be responsible for the disposal of these substances.

DO NOT dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.

Dispose of fuel separately and in accordance with local regulations; **DO NOT** abandon it in the environment.



10. Warranty

12 months from date of purchase – Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for more information.

11. Explanation of Symbols



General Mandatory action required



Read the instruction manual



Warning! / Caution



Warning! **DO NOT** touch hot surfaces



Danger of electric shock



DO NOT cover



DO NOT expose to wet or damp conditions



Rated voltage



Rated input (Wattage)



Rated input (Kilowatts)



Rated input (British Thermal Units)



Maximum heating area



Air output



Tank capacity



Run time per tank of fuel (approx.)



Fuel consumption (Litres per hour)



Power cord length



Net product weight



Ingress protection rating



For indoor use **ONLY**
DO NOT expose to rain



Class I Appliance (Earthed)



WEEE –
Waste Electrical & Electronic Equipment
Do not dispose of Waste Electrical & Electronic Equipment
in with domestic rubbish



European conformity



UK Conformity Assessed

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.