

MODELS:
Heatforce
(505-117)
Mini Heatforce
(505-120) (505-122) (505-125)



Please read these instructions before using this appliance.

To be used in well-ventilated areas.

DO NOT use in leisure vehicles such as caravans and auto caravans.

DO NOT use in Bedrooms and Bathrooms

CE 21
2531

UK
CA 8504

Mobile Gas Heater		CE ²¹ 2531	UK CA 8504
Model		Heatforce: DA-201 Mini Heatforce: DA-402	
Trade name			
Appliance Category (Cat.)		I3B	
Burner type		Ceramic Burner	
Size of injector (mm)		0.59 mm	
Nominal Supply pressure (mbar)		(28~30) mbar	
Type of gas		Butane G30 at (28~30)mbar	
Nominal Heat input (kW) (Hs)	ΣQ_n Maximum	4.2	
	Medium	2.9	
	Minimum	1.5	
Gas Consumption (g/h)	Maximum	305	
	Medium	210	
	Minimum	109	
Ignition System		Piezo ignition	
Gas Container		Heatforce: up to 15kg Mini Heatforce: Up to 7kg	
Destination countries		BE, FR, IT, LU, LV, IE, GB, GR, PT, ES, CY, CZ, LT, SK, CH, SI	

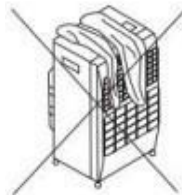
IMPORTANT

1. Read the instructions before using this appliance.
2. Use an appropriate regulator (28mbar)
3. Never attempt to light if the hose appears loose or damaged in any way.
4. Do not press the ignition button for more than 40 seconds.
5. Never disconnect the regulator while cylinder valve or regulator is open.
6. Don't change cylinders within area in which open fire exists.
7. Don't expose your cylinder to extreme heat.
8. Do not store any other cylinders in the room in which your heater is being used.
9. Do not insert your finger or any other material through the front panel of the heater.
10. Leave at least 1 meter distance between your heater and any other heat source.
11. Do not let unauthorized persons tamper with your heater.
12. Do not use appliance under electrical socket outlets.
13. Do not use the heater in bathrooms, showers or swimming pool, leisure vehicles such as caravans or auto caravans.
14. This heater must not be used without a gas cylinder fitted for stability purposes.
15. Do not cover your heater. Fabrics, clothing, hangings, net curtains, bed lines and other flammable materials may ignite if placed against the outlets of your heater.
16. In the event of leakage, the appliance should be turned off at the regulator and disconnected from the cylinder.
17. After use, turn off the appliance at the regulator.
18. Disconnect the bottle from the cylinder.
19. Only use in a well ventilated areas.

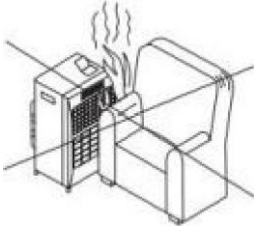
SAFETY PRECAUTIONS



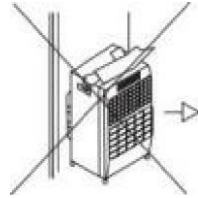
1. Always use the heater in accordance with instructions supplied with each heater. Keep instructions in a safe place.



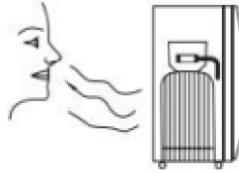
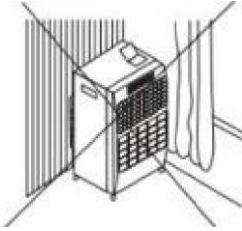
2. DO NOT place clothes or other material on the heater. This could cause a fire risk or affect the efficiency of the appliance.



3. DO NOT position heater close furniture.

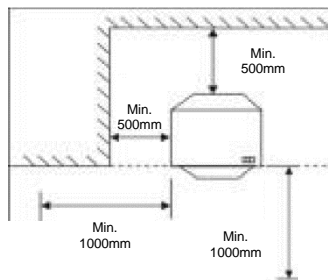


4. DO NOT move heater from room to room when lit.



5. DO NOT position heater close to walls, furniture, net curtains, bed linen or any flammable materials as this could result in a risk of fire. The following minimum distances should be respected: 50 cm from the sides and 100cm from the front. ALWAYS face the heater towards the center of the room. The heater always be positioned on a level surface.

6. If a leak is suspected. DO NOT disconnect the regulator. Check all connections. Slowly turn the gas on and brush the connections with soapy water, or a leak detection spray a gas leak will form bubbles. If a leak is found turn the gas off. DO NOT use the heater again until it has been checked by a competent person in accordance with the Gas Safety (installations and use) Regulations 1998



USING ENVIRONMENT

Your heater consumes oxygen while it is in use. For this reason, adequate ventilation should be provided in rooms in which the heater is used. This ensures the removal of products of combustion and allows the entry of replacement air.

Adequate ventilation should considerably reduce condensation occurring. The following table shows the smallest sizes of rooms suitable for each heat setting and the ventilation which should be provided.

Number of Radiants continuously in use	Other room size	Living room size	Ventilation	
			Low Level	High Level
1	15 cubic meters – eg 1.5 x 4 x 2.5m	30 cubic meters – eg 3 x 4 x 2.5m	105cm ²	105cm ²
2	29 cubic meters – eg 2.9 x 4 x 2.5m	58 cubic meters – eg 5.8 x 4 x 2.5m	105cm ²	105cm ²
3	42 cubic meters – eg 4.2 x 4 x 2.5m	84 cubic meters – eg 8.4 x 4 x 2.5m	105cm ²	105cm ²

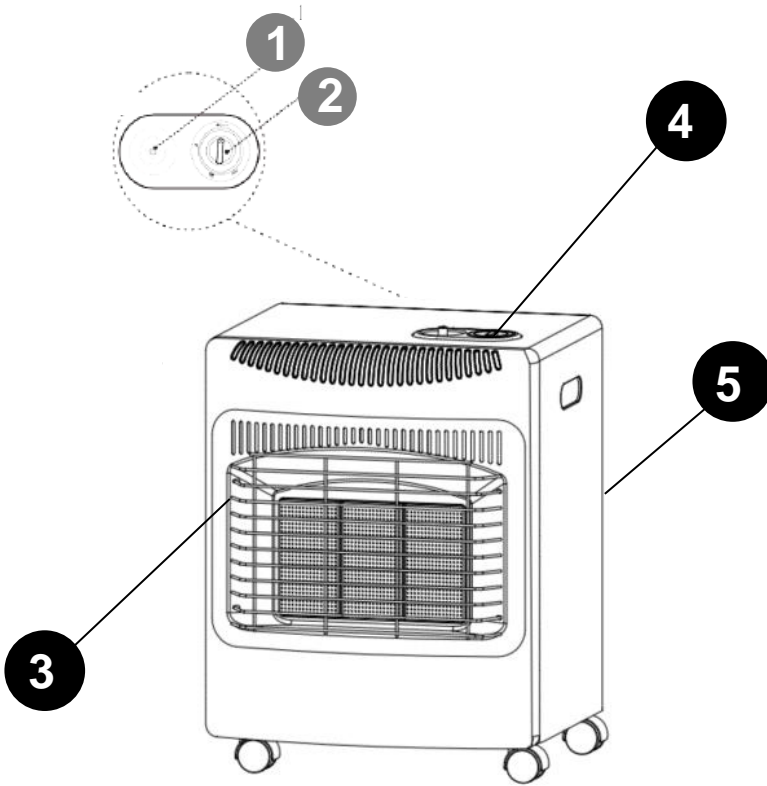
1. This appliance requires a hose and a regulator. This is included with your heater as standard.
2. Only use in a well ventilated areas.
3. Do not use in vehicles, caravans or auto caravans.
4. Do not attempt to use in high rise flats, basements, bathrooms or bedrooms.
5. This appliance should be tested for leaks before initial use and whenever the cylinder is re-connected.
6. It is important that all gas connections have been correctly made to prevent any leakage. Do not use a naked flame to test for leaks. Use soapy water or a leak detection spray.
7. Always use your cylinder in an upright position.
8. Always turn off the appliance at the regulator when not in use.
9. When lighting your heater for the first time or after a period of time has passed since the last use, light the heater outside and burn outdoors for 15 minutes.
10. Do not use your heater while sleeping.
11. The guard on the appliance is to prevent risk of fire or injury from burns and no part of it should be permanently removed. It does not give full protection for young children or the infirm. We would recommend a fireguard to BS8423 be fitted.

Warning

Perform a leak test on all connections every time you reconnect the cylinder or if the heater has not used for a significant period.

Do not move the appliance when lit.

CONSTRUCTION AND FUNCTION



PART NUMBER	DESCRIPTION
1	Piezo Ignitor
2	Gas control knob
3	Guard
4	Piezo and ignition system
5	Rear cover

FITTING THE CYLINDER SUPPORT STRAP



1. Unscrew the strap from the back of the heater. The strap will be screwed either to the top or to the base. Keep the screws.



2. Lower the extending base down. Screw 2 of the available screws into the base to secure it down.



3. Screw two screws into the top holes on the side edge. Don't screw them all the way in leave two or three turns. Hang the strap over these screws.



4. Align the remaining holes of the strap and heater. Proceed to place and screw 2 x screws into these holes. Completed assembly pictured above.

CONNECTING THE CYLINDER

1. Place the gas filled cylinder into the back of the heater.
2. Clip on the gas regulator to the gas cylinder.
3. Turn the regulator on.
4. Where the regulator is not supplied or is missing, please contact your gas dealer to advise of the correct type for the gas cylinder being used.

TESTING FOR LEAKS

This must be carried out in a well-ventilated area, free from naked flames and any other sources of ignition.

With the regulator connected to the cylinder, turn on the regulator control. Brush all hose connections, pipe connections to the valve and gas cylinder with a 50:50 solution of detergent and water or a leak detection spray. A stream of bubbles forming indicates a leak. If a leak is found turn the gas supply off at the regulator and disconnect the regulator from the bottle and remove the gas cylinder outdoors or to a well-ventilated area. Contact your gas supplier for assistance.
DO NOT USE THE HEATER

HOW TO CHANGE A CYLINDER

1. Do not attempt to replace the cylinder whilst the heater is still in use – ensure all burners are unlit and all components are cool.
2. Cylinders must be replaced in a flame free environment.
3. Do not smoke whilst changing the cylinder
4. When you need to replace your empty cylinder, turn the gas off at the regulator and take the empty cylinder out of the heater.
5. Remove the regulator from the empty cylinder.
6. Follow the steps described under "Connecting the Cylinder", to connect a new cylinder.

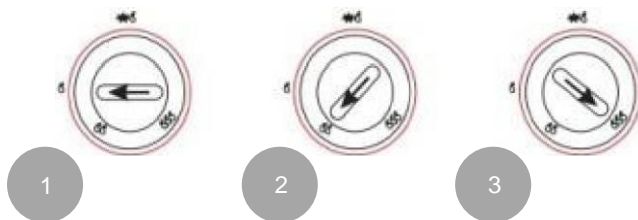
OPERATION GUIDE

A) LIGHTING YOUR HEATER

1. Press down and turn the control knob to "Minimum" and hold for 10 seconds.
2. Continuing to push the control knob down, repeatedly push the igniter button – a spark should generate and light the pilot light.

3. Upon being lit, hold the control knob for 10-15 seconds more. Then release the control knob. Should the pilot light go out repeat step 2 and this step.

B) SELECTING YOUR SETTING



Your Lifestyle heater features 3 heat intensity settings.

To change from minimum to maximum, gently press control button and turn it to position 3. To change from maximum to medium gently press control knob and turn it to position 2 .

C) TURNING OFF THE HEATER

Turn both the heater's control knob and the regulator to the "OFF" position. If the heater is not to be used for a period of time, disconnect the regulator from the cylinder.

ATTENTION!

Please do not forcefully turn the control knob, the button should be pushed down before changing the heat control settings. The control button will not turn without pushing downwards. Ensure the button is locked into the heat setting /position required.

CYLINDER STORAGE

Disconnect the cylinder and remove from the appliance.

Store cylinders in a well-ventilated area away from combustible material. Storage should be outdoors . Cylinders must not be stored be in a basement or in high-rise flats.

The heater should be covered in a dry, dust-free area in its original packaging.

CLEANING

Use a damp soapy wrung out cloth to clean the exterior and cylinder storage

area of your heater.

Make sure that no water gets onto the burners or pilot/light area. Wipe the heater completely dry before use.

Don't use abrasive cleaners as they may damage the quality of paint finish.

MAINTENANCE

Check flexible tubing between regulator and heater regularly and replace if perished, worn or damaged,

It is recommended that the heater be serviced every year by a competent person in accordance with the Gas Safety (installations and use) Regulations 1998.

If any parts need replacing, they should be replaced only with the correct parts as supplied by the original manufacturer.

FAULT FINDING CHART:

SYMPTOMS	FAULT	REMEDY
1.Pilot will not light automatically	No spark across electrode gap	(a)Ensure that piezo-electric switch is functioning correctly. (b)Check that electrical lead is not damaged.
2.Pilot will not light automatically but points(a) to (e) are satisfactory and the pilot will light with a match	Incorrect position of spark in relation to pilot gas flow.	Re-position spark plug so that spark jumps across gas flow.
3.Heater will not remain alight when pressure is released from ignition button	Electro-magnetic valve closes while heater is alight.	(a)Ensure that thermocouple probe is located in pilot flame. (b)Ensure good connection between thermocouple and valve. (c)Check thermocouple. (d)Check electromagnetic valve.
4.After changing to maximum position with all three plaques alight one or more plaques appear below normal intensively	(a)Blocked jets. (b)Partially blocked supply tube.	(a)Remove and clean blocked jet. (b)Remove supply tube, remove jets and blow through the tube.
5.Difficulty in cross lighting from position 1 to position 2 or 3	(a)Air draught directed away from first plaque. (b)Position of the pilot flame.	(a)Change the location of the appliance so that it is not adversely affected by air draught. (b)Position pilot so that impinges across bottom corner of 2 nd plaque as well as 1 st plaque.
6.Smell of combustion	Missing piece of ceramic fireclay.	Inspect perimeter of each plaque and locate place where some fireclay has been displaced. Repair with PYRUMA and leave to set for approx.24 hours.

REPAIRS TO BE CONDUCTED BY GAS SAFETY AUTHORISED INDIVIDUAL

Model identifier(s): DA-201 / DA-202									
Indirect heating functionality: [no]									
Direct heat output: 4.2 (kW)									
Indirect heat output: N/A (kW)									
Fuel							Space heating emissions (*)		
							NOx		
Select fuel type		[gaseous]		[specify]		50 [mg/ kWh _{input}] (GCV)			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Heat output				Useful efficiency (NCV)					
Nominal heat output	P _{nom}	4.2	kW		Useful efficiency at nominal heat output	η _{th,nom}	100	%	
Minimum heat output (indicative)	P _{min}	N/A	kW		Useful efficiency at minimum heat output (indicative)	η _{th,min}	N/A	%	
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)					
At nominal heat output	e _{lmax}	N/A	kW	Single stage heat output, no room temperature control					[no]
At minimum heat output	e _{lmin}	N/A	kW	two or more manual stages, no room temperature control					[yes]
In standby mode	e _{lSB}	N/A	kW	with mechanic thermostat room temperature control					[no]
				with electronic room temperature control					[no]
				with electronic room temperature control plus day timer					[no]
				with electronic room temperature control plus week timer					[no]
				Other control options (multiple selections possible)					
				room temperature control, with presence detection					[no]
				Room temperature control, with open window detection					[no]
				with distance control option					[no]
				with adaptive start control					[no]
				with working time limitation					[no]
				with black bulb sensor					[no]
Permanent pilot flame power requirement									
Pilot flame power requirement (if applicable)	P _{pilot}	0.18	kW						
Contact details									
(*) NOx = nitrogen oxides									

This product is not suitable for primary heating purposes

The energy efficiency class: Class A The direct heat output: 4.2kW

The energy efficiency index: EEl=89%,

Please refer to the instruction manual for the assembly, installation, maintenance, disassembly, recycling and/ or disposal at end-of-life.

This heater is in conformity with following EC directive and Regulations (EU)2016/426(GAR) Regulation on appliances burning gaseous fuels Commission Delegated Regulation (EU) 2015//1186 and 2015/1188 and that the following harmonized standards have been applied:

- EN449:2002 + A1:2007

Distributed by:

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