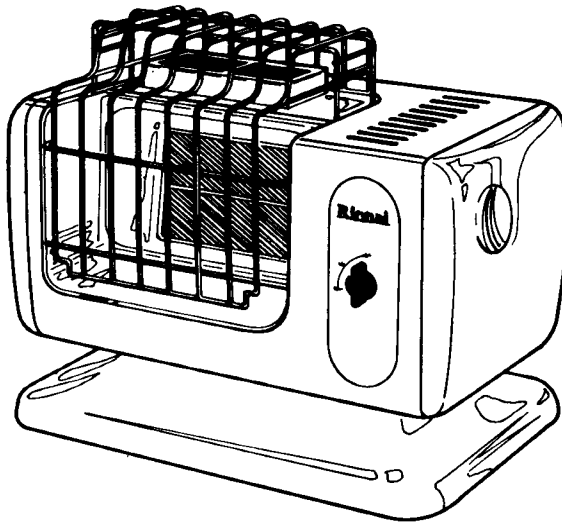


Rinnai

Glow Ray RE480 PMS(H) Unflued Room Heater

CUSTOMERS OPERATING INFORMATION AND INSTALLATION INSTRUCTIONS



 **Jewel Plaques**  **Tilt Switch**  **Oxygen Depletion Safety System**

This appliance shall be installed in accordance with:-

Manufacturer's Installation Instructions

Local Gas Fitting Regulations

Municipal Building Codes

A.G.A. Installation Code for Gas Burning Equipment

Any other relevant Statutory Regulation

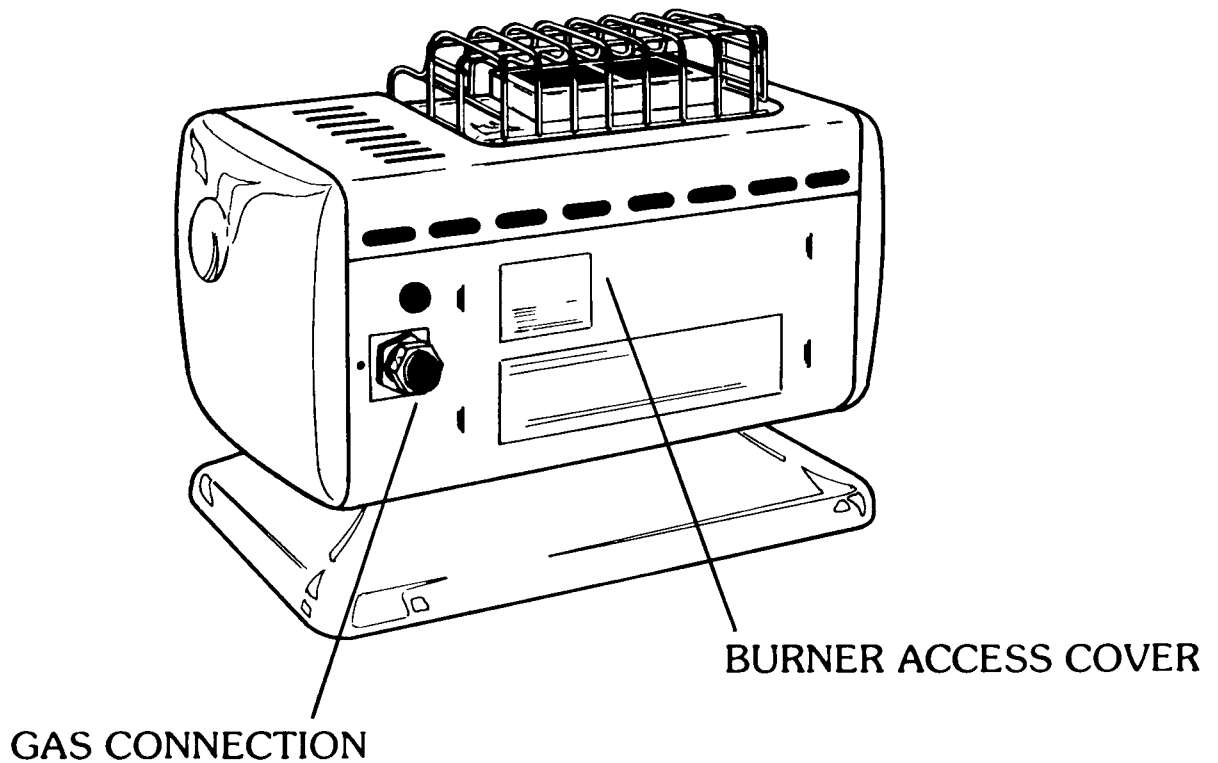
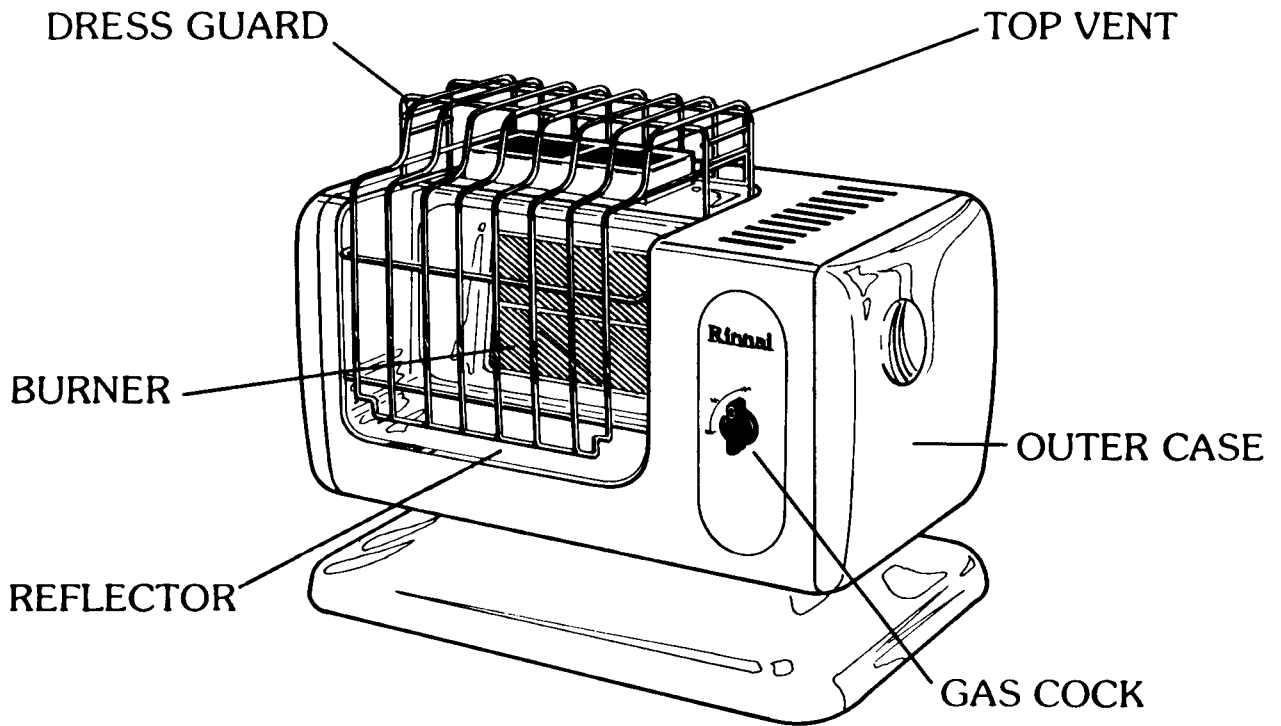
**This appliance must be installed, serviced and removed by an
Authorized Person.**



**The Australian
Gas Association**
Proudly a member of the AGA
All of our gas products are AGA
tested and approved.



PARTS DESCRIPTION



Glow Ray
RE480PMS

IMPORTANT POINTS

Unpack heater:

Check for damage. If heater is damaged, contact your supplier for advice. Before installing the heater, check it is labelled for the correct gas type. Refer to local gas authority for confirmation of gas type if you are in doubt.

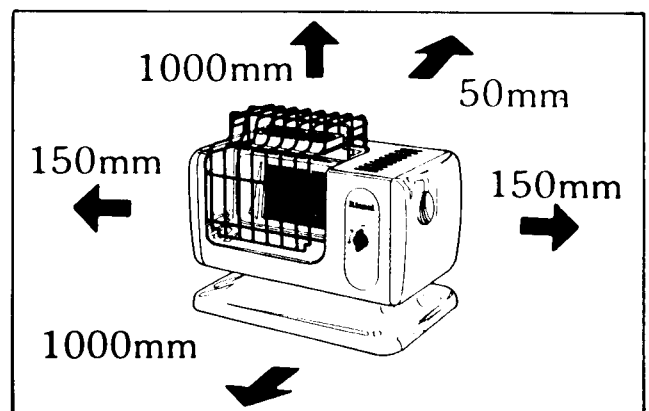
Included in Carton:

Customers Operating Information/Guarantee

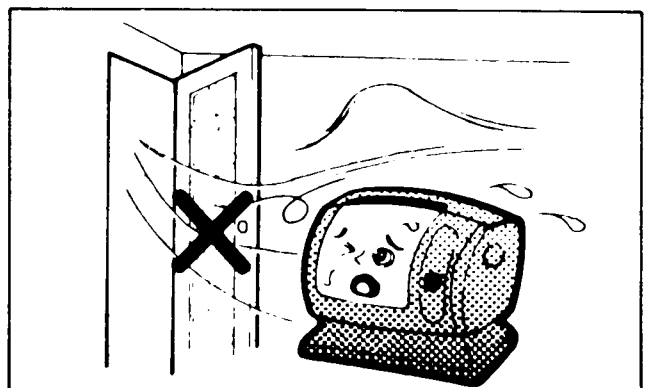
IMPORTANT

1. The appliance must be installed to the requirements of the local gas authority.
2. For information on gas rate, see data plate on the appliance.
3. When installing this appliance, ensure that the room is correctly ventilated. Check AG601 or the Local Authority for information on ventilation requirements.
4. DO NOT install in bedroom or bathroom.
5. The burner can be operated at "Full On" or "Half On" only.
6. This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining. It must also be 150mm clear of side walls.
7. This appliance is not designed to be built in.
8. If you move house, check the gas type in the area where you are moving to. The Local Authority will be able to advise on local regulations.
9. This heater must not be installed in a room smaller than 42.5m^3 . (W.A. 21m^3).
10. Service must be carried out by an authorised person.

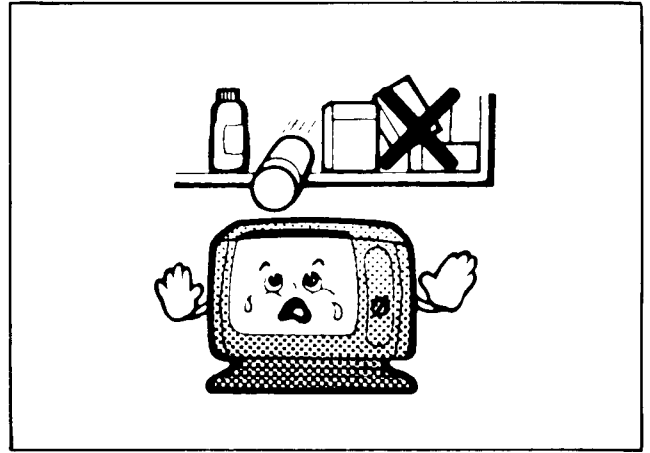
Diagram shows clearances required around this unit whilst it is in operation.



Do not install in unusually draughty positions.



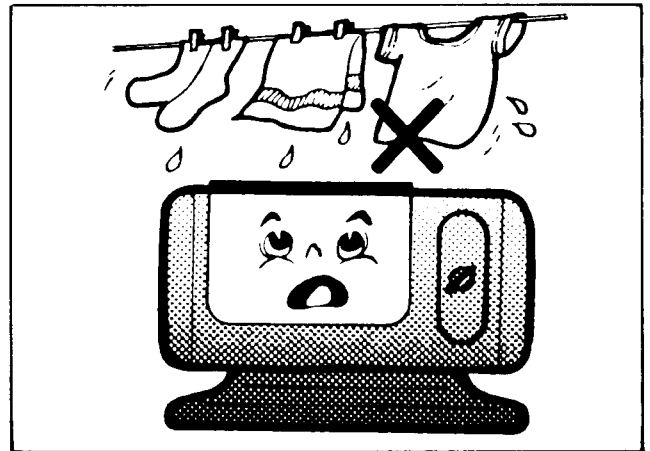
Do not use this unit under a shelf or bookcase.



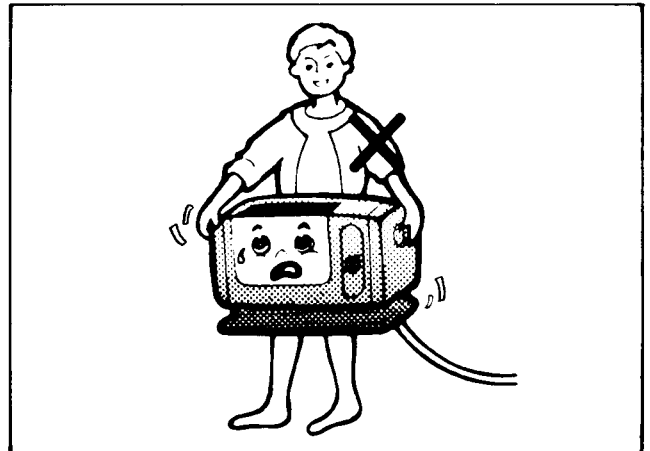
Do not use for any purpose other than heating.

Do not dry clothes over the heater, apart from being a fire hazard, water may drip into the unit.

Combustible materials must not be placed where the heater could ignite them.

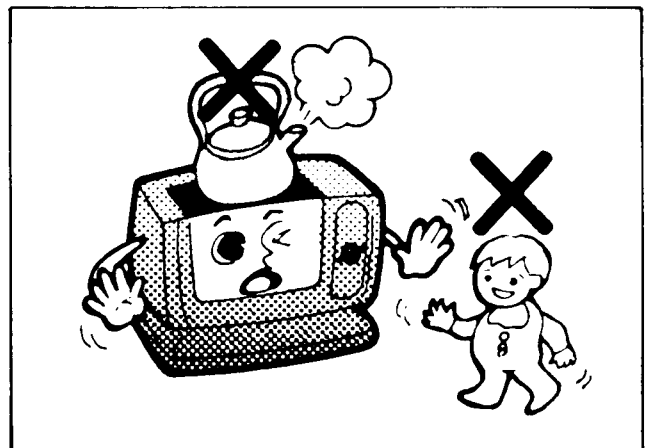


Do not carry the unit whilst it is in operation. Wait until the whole heater has cooled off before moving it.

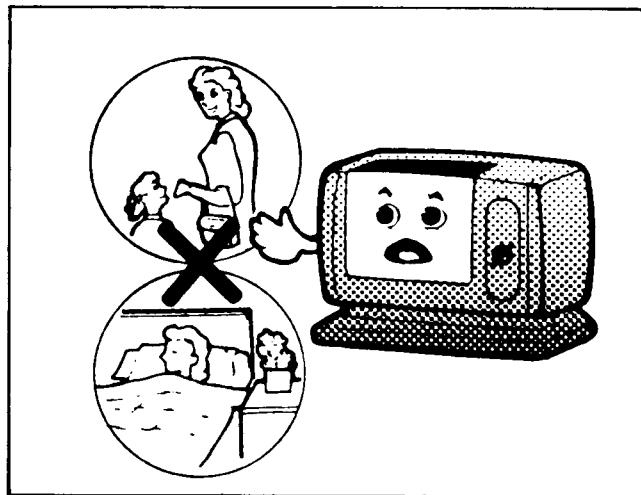


Do not boil kettles or cook on the top of this unit.

Supervise children when the heater is in operation.



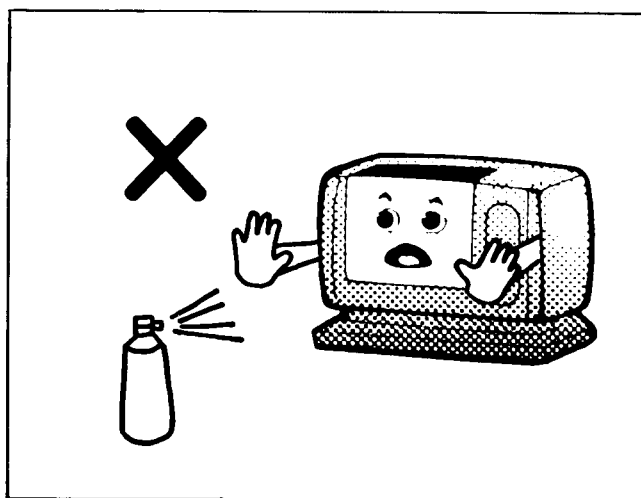
Do not leave this unit alight when you leave the house. Turn off before sleeping.



The installation of this heater must conform to local regulations. Check with your local gas authority or supplier if you are unsure of the regulations.

Don't spray aerosols on the unit whilst it is in operation. Most aerosols contain butane gas, and can be a fire hazard if used near this heater when it is in use.

Use of aerosols, paint, polishes etc. whilst this heater is in use may cause unpleasant smells.



CUSTOMER'S OPERATING INFORMATION

CUSTOMER'S OPERATING INFORMATION

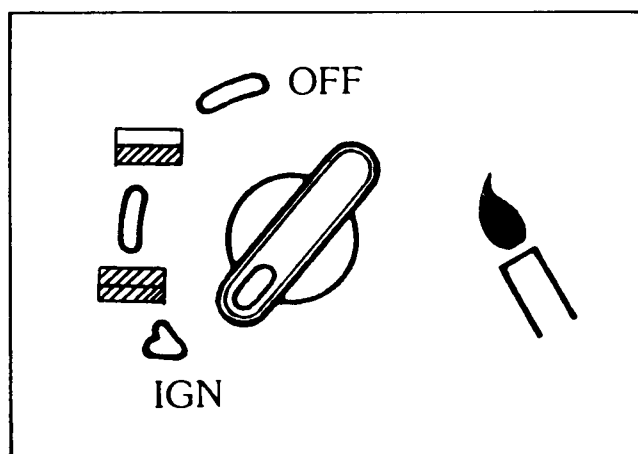
Connect the heater to a convenient floor socket.
Room must be ventilated when using this heater.

CHECK ROOM SIZE

This heater must not be installed in a room smaller than 42.5m³ (W.A. 21m³).
Ventilation must comply with local regulations.

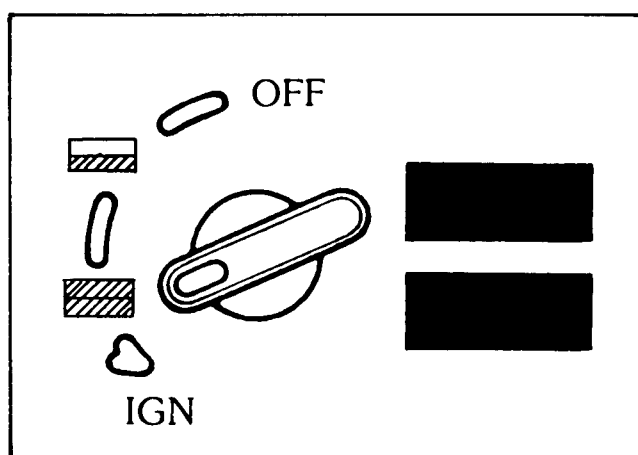
IGNITION

The RE480 Glow Ray is fitted with automatic piezo ignition. To ignite the burner, simply turn the control slowly in an anti-clockwise direction to the "Ign" position, when a positive "click" will be heard. Check that the burner has lit, if not, return control to the "Off" position wait 30 seconds, then try the ignition procedure again. **For basic fault finding see page 9.** When the burner has lit, hold the control in the "Ign" position for 20 seconds, then release. The control should return to the "  " position, and the burner should remain alight, if not, return the control to the "Off" position, and repeat the ignition procedure. When repeating the ignition procedure, it may be necessary to hold the control in the "Ign" position for more than 20 seconds. One cause of failure to ignite may be air in the hose, this should clear when you repeat the ignition procedure.



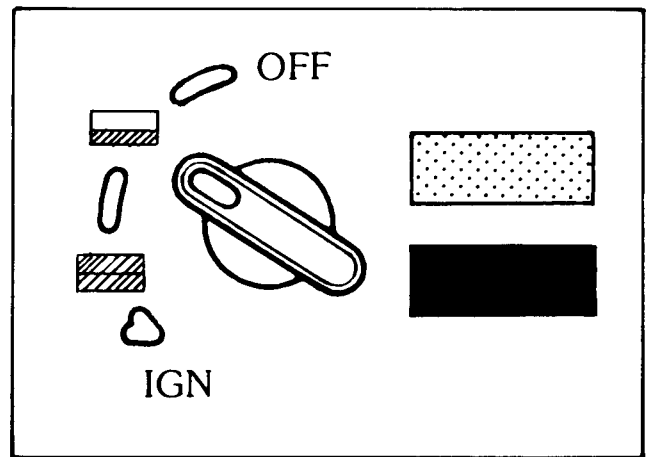
FULL ON

Simply leave the control in the "  " position after ignition.



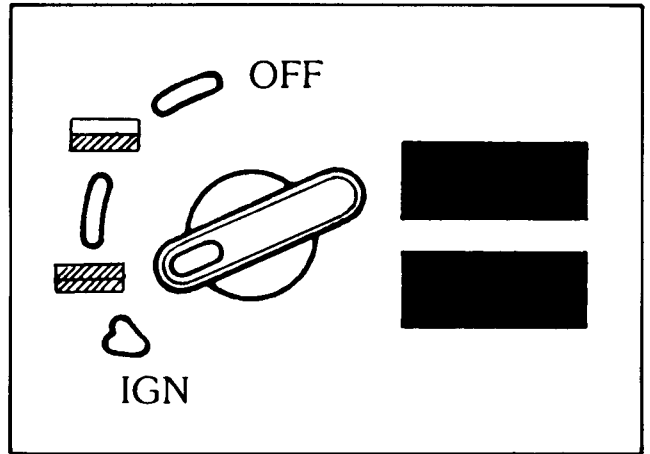
TO DECREASE THE HEAT

Turn the control clockwise to the "Half" position. This will leave only the bottom part of the burner alight.



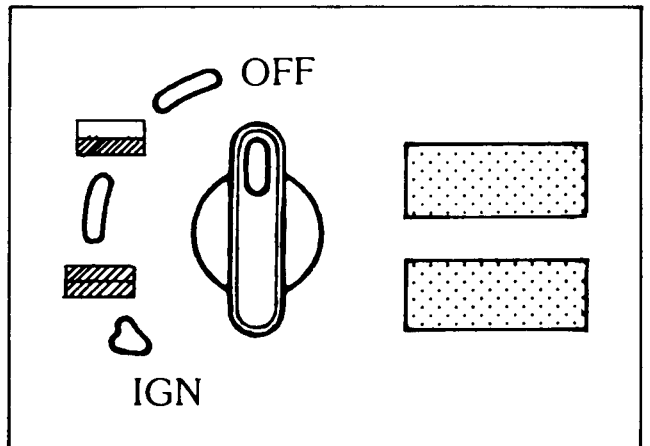
TO INCREASE HEAT

Turn the control anti-clockwise from the "Half" to the "IGN" position, the top part of the burner will light automatically, there is no need to turn the control to the "Ign" position again. Simply check that the top burner has re-lit.



TO TURN OFF

Turn the control clockwise to the "Off" position.



ADDITIONAL INFORMATION

- The glow of the two burners could be slightly different just after ignition, but the glow will gradually become almost equal after a few minutes.
- There may be some slight combustion noise from the burner for the first few seconds after ignition.
- During warm-up or just after turning off, up or down there may be some metal expansion and contraction noises, this is normal.
- The Oxygen Depletion Safety system has a permanent pilot which is alight all the time the main burner is alight.

INSTALLATION INSTRUCTIONS

Specifications: See back cover of this instruction.

UNPACKING

Check for damage, if unit is damaged contact supplier or Rinnai for advice.

BEFORE USING THE HEATER

Check unit supplied is correct for gas type in your area.

Refer to local Gas Authority for confirmation of gas type if in doubt.

Check room size and ventilation

This heater must not be installed in a room smaller than:

RE480PMS(H) (Glowray) 42.5 m³

Fixed ventilation must conform to local regulations.

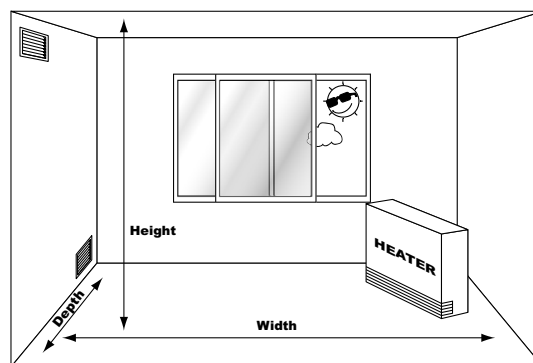
Number and position of vents is for illustrative purposes only. For more information on ventilation, please refer to our Rinnai Web Site www.rinnai.com.au

DO NOT install in a bedroom or bathroom.

The bayonet plug on the factory fitted flexible hose simply plugs into your bayonet fitting.

For the RE480PMS(H) H x W x D must equal or exceed 42.5 m³

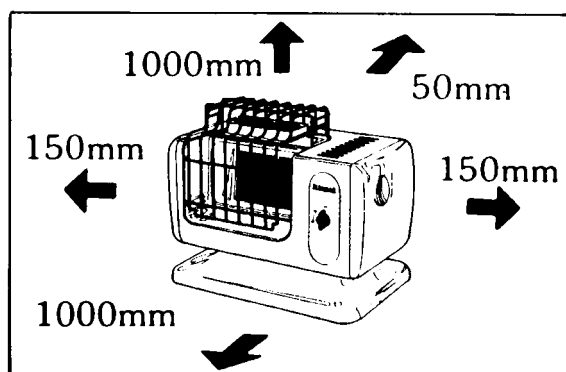
- For example: if room size is L 4.2 m x W 4.2 m x H 2.4 m the volume will be 42.3 m³.



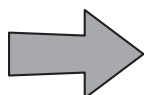
This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.

Other clearances are shown in the diagram.

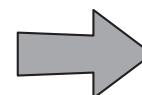
This heater is not designed to be built in.



CONNECT GAS



FOLLOW IGNITION
INSTRUCTIONS



SAFETY DEVICES

■ Flame Failure Device

This device automatically cuts the gas supply to the heater in the event of a gas failure. To restore the supply to the heater, turn it off, then follow the ignition procedure.

■ Oxygen Depletion Safety Device

If the Oxygen level in the room drops below a pre-set limit, this device cuts the gas supply to the heater. If the Oxygen Depletion device operates, turn the heater off, ventilate the room, then follow the ignition procedure to relight. Heater will not relight until room is fully ventilated.

■ Tilt Switch

If the heater is knocked over the tilt switch will cut the gas supply. To restore the supply, stand the heater up and follow the ignition procedure. The tilt switch may also operate if the heater is jolted or picked up whilst in operation.

CARE OF THE HEATER

- Your RE480 needs very little maintenance, but the following information will help you to keep it looking good, and working efficiently.

All parts (except the burner) of the heater can be cleaned using a soft, damp cloth.

Do not clean plastic parts with solvents, use a soft, damp cloth.

Do not spray aerosols in the vicinity of this appliance while it is in operation.

Do not place articles on, or against this appliance.

Do not store flammable materials near this appliance.

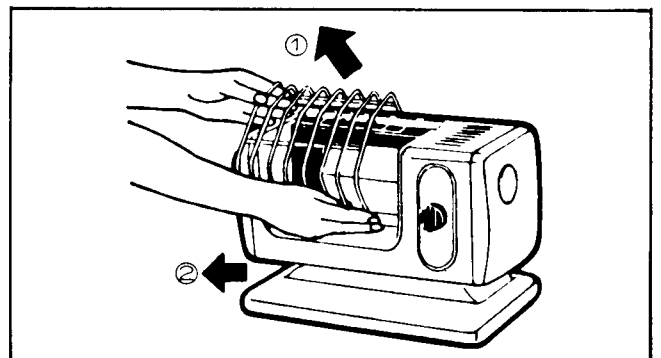
The guard on this appliance conforms to AGA Requirements. It is designed to prevent the risk of injury from burns, no part of it should be permanently removed.

**IT DOES NOT GIVE FULL PROTECTION FOR YOUNG CHILDREN,
OR THE INFIRM.**

DO NOT touch dress guard while the appliance is in operation.

- To clean the reflector, the dress guard may be removed as shown in the diagram. Turn heater off and allow to cool before removing guard.

**ALWAYS REPLACE AFTER
CLEANING. NEVER OPERATE
THIS HEATER WITH THE
DRESS GUARD REMOVED.**



RINNAI GUARANTEE OF QUALITY

As a purchaser of a high quality Rinnai product, we provide you with the following guarantee on your new RE480 Glow Ray.

	Free labour period	Free parts period
Combustion chamber	3 YEARS	10 YEARS Pro rata *
All other parts	3 YEARS	3 YEARS

* Combustion chamber full replacement parts cost in the first 3 years, reducing 15 % per year thereafter.

The benefits conferred by this guarantee are in addition to all other rights and remedies in respect of the product which you have under the Trade Practices Act and other State and Territory Laws.

The unit must be installed correctly, and the installation must conform to all local regulations.

The installation must also comply with the instructions supplied by Rinnai.

The unit must be serviced, installed or removed by an authorised person.

NO parts or functions should be modified or permanently removed from the unit.

Please note, general cleaning, maintenance and wear and tear are not necessarily covered by the guarantee. Calls of this nature may be chargeable.

Your Rinnai RE480 has been approved by the Australian Gas Association. A.G.A. Approval Number 4162.

Please keep these instructions in a safe place for future reference.

Please record below:

Your Retailer

NAME _____

ADDRESS _____

PHONE _____

Date of Purchase

There is no need to return this guarantee to Rinnai. Simply keep in a safe place for your record.

BASIC FAULT FINDING

PROBLEM CAUSE	NO IGNITION OR DIFFICULT TO IGNITE	BURNER GOES OUT WHEN CONTROL IS RELEASED	SLOW CROSS LIGHTING	NOISY IGNITION	BURNER GOES OUT DURING OPERATION	BURNER DOES NOT GLOW PROPERLY	FLAME OR SOOTING FROM BURNER	ROOM TEMPERATURE DOES NOT INCREASE	STRANGE NOISES	REMEDY
AIR IN HOSE	●		●							REPEAT IGNITION
INCORRECT GAS PRESSURE	●		●	●		●	●	●	●	SERVICE CALL
PIEZO ELECTRODE DIRTY	●									SERVICE CALL
DIRTY THERMOCOUPLE		●			●					SERVICE CALL
IGNITION METHOD INCORRECT	●									READ INSTRUCTIONS
NOT HOLDING CONTROL LONG ENOUGH		●								READ INSTRUCTIONS
HIGH TENSION CORD DISCONNECTED	●									SERVICE CALL
SAFETY DEVICE OPERATING		●			●					CHECK FIRST (P7) THEN SERVICE CALL
FAULTY IGNITOR	●									SERVICE CALL
FAULTY SAFETY DEVICE		●			●					SERVICE CALL
ROOM TOO BIG OR UNDERSIZED HEATER								●		CONTACT RETAILER
ROOM TOO SMALL OR INSUFFICIENT VENTILATION					●					CHECK VENTILATION AND ROOM SIZING
GAS TURNED OFF AT METER	●									TURN GAS ON

FAULT FAILURE PROCEDURE

If you are unsure about the way your heater is operating, contact Rinnai Australia, or your local agent.

SERVICE

Rinnai Australia has a service and spare parts network in all states. Our service network personnel are fully trained and equipped to give the best service on your Rinnai appliance.

If your appliance needs service, please ring one of the service contact numbers on the back of this booklet.

Rinnai recommend that this appliance be serviced every 2 years.

SPECIFICATIONS

Description: Rinnai RE480 PMS(H) (Glow Ray)

Type: Natural convection/Radiant type heater (2 setting)

Input: NG 8.5 MJ/h, TG 8.0 MJ/h, Propane Gas 8.0 MJ/h

Gas Control: Integrated one touch Rinnai gas cock

Burner: Rinnai 2 Plaque

Test Point Pressure: NG...1.0kPa, TG...0.58kPa,
PROPANE...2.7kPa.

Gas Inlet: Approved hose with bayonet connector.

Ignition: Piezo electric

Injectors & Gas Type: Please see data plate

Dimensions: Width 398mm, Height 377mm, Depth with hose 266mm, without hose 264mm.

You can rely on
Rinnai

Rinnai are continually updating and improving products. Therefore specifications are subject to alterations without notice.

SALES & SERVICE CONTACT POINTS

Rinnai Australia PTY. LTD. A. C. N. 005 138 769

Internet: <http://www.rinnai.com.au>

E-mail: enquiry@rinnai.com.au

Head Office/VIC/TAS: 10-11 Walker Street, Braeside, VIC 3195.

N. S. W./A. C. T. Branch: 62 Elizabeth Street, Wetherill Park, NSW 2164.

S. A. Branch: 140 Days Road, Ferryden Park, SA 5010.

W. A. Branch: 18 Belgravia Street, Belmont, WA 6104.

QLD Branch: 1/6 Booran Drive, Logan Central, QLD 4114.

Tel: (03) 9271 6625. Fax: (03) 9271 6622.
Sales: (03) 9271 6666. Fax: (03) 9271 6611.
Spare Parts: (03) 9271 6600. Fax: (03) 9271 6688.
Service: (03) 9271 6699. Fax: (03) 9271 6688.
24 hr Hot Water Tel: (1800) 632 386.

Tel: (02) 9609 2111. Fax: (02) 9609 5260.
Sales: (02) 9609 2888. Fax: (02) 9609 5260.
Service: (02) 9609 2600. Fax: (02) 9729 0467.
24 hr Hot Water Tel: (02) 9729 0468.

Tel: (08) 8345 0292. Fax: (08) 8345 4760.
24 hr Hot Water Tel: (08) 8345 5185.

Tel: (08) 9478 3355. Fax: (08) 9277 2531.
24 hr Hot Water Tel: (08) 9401 2562. North
Tel: (08) 9457 1909. South
Service: (08) 9478 3345.

Tel: (07) 3209 4622. Fax: (07) 3209 4722.
24 hr Hot Water Tel: (0419) 704 956.