

Paloma

UNFLUED PORTABLE CONVECTION ROOM HEATER

To suit Paloma Models: PG-311F & PG-S311F

Gas Types: Natural Gas (NG) or Propane (LPG)

CUSTOMER OPERATING AND INSTALLATION INSTRUCTIONS



Thank you for purchasing a Paloma Convection Gas Space Heater

1. To operate this appliance safely and correctly, please read these instructions thoroughly.
2. This appliance must be installed in accordance with:
 - a. Local Gas Fitting Regulations
 - b. Municipal Building Codes
 - c. Australian Standard for Gas Appliance Installations AS5601-2002
 - d. Any other relevant Statutory Regulation
 - e. Manufacturer's installation instructions
3. This appliance must be installed, serviced and removed by an Authorised person.

Warranty Information

Please Record Below

Your Retailer:
 Address:
 Phone:
 Date of Purchase:

Note: There is no need to post this guarantee back, simply keep it in a safe place together with a copy of your purchase invoice.

Description	Domestic Applications		Commercial Applications	
	Parts	Labour	Parts	Labour
Combustion Chamber	10 Years Pro rata (*)	5 Years	1 Year	1 Year
All Other Parts	5 Years	5 Years	1 Year	1 Year

(*) Combustion chamber full replacement parts cost in the first 5 years, reducing 20% per year thereafter. Please note: The 5 year domestic warranty is only applicable for units purchased after 1 March 2008.

Warranty Conditions:

- The warranty periods that are allocated for domestic use are based on heating requirements of a typical domestic dwelling. The warranty periods allocated under commercial use are for all other applications.
- Terms of this warranty are effective from date of purchase and the attending service technician reserves the right to verify this date by requesting a copy of the purchase invoice prior to commencement of any warranty work.
- These units must be installed correctly and the installation must conform to all regulations.
- These units must be serviced, installed, commissioned, repaired, and removed by an authorised person.
- No parts must be modified or removed from the unit.
- These units must be operated and maintained in accordance with manufacturer's operating instructions.
- This warranty applies only to the components supplied by the manufacturer. It does not apply to components supplied by others.
- Where a failed component is replaced under warranty, the balance of the original appliance warranty will remain effective. The replacement part or appliance does not carry a new warranty.
- We reserve the right to transfer functional components from defective appliances if they are suitable.
- We reserve the right to have the installed product returned to the factory for inspection and repair.
- Please note: general cleaning, maintenance, operation and wear & tear are not covered by the guarantee. Calls of this nature will be chargeable.

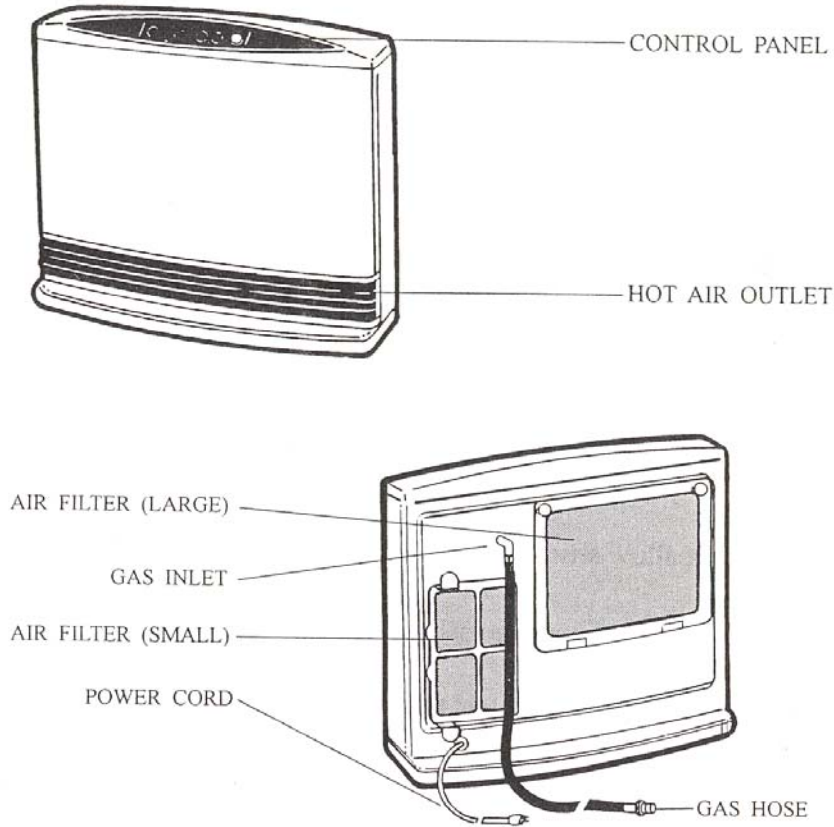
Warranty Exclusions:

The following exclusions may cause the warranty to become void and may result in a service charge and costs of parts (if required):

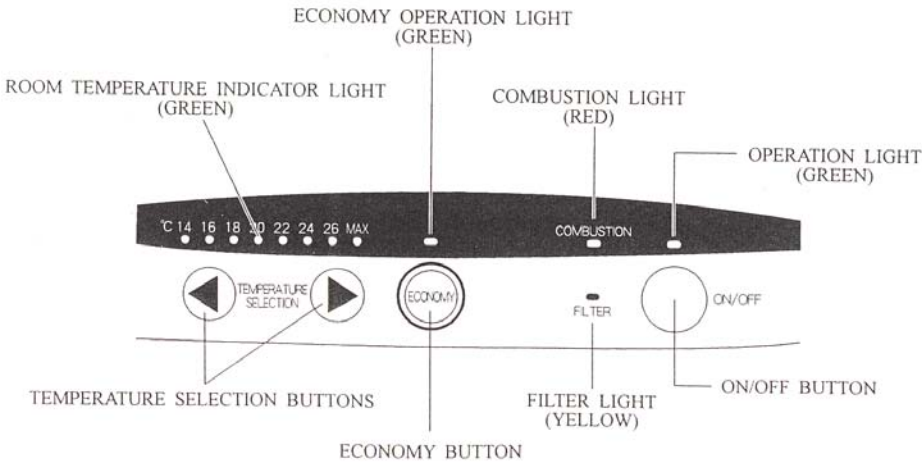
- Accidental damage and Acts of God.
- Failure due to abuse or misuse, improper maintenance, failure to maintain or improper storage.
- Failure due to incorrect or unauthorised installations.
- Failure or damage caused by alterations, service or repair work carried out by persons other than our authorised service technicians or agents.
- Where it is found that there is no fault with the appliance and the issue/s are related to the installation or is due to the failure of electric or gas supplies.
- We do not accept liability for any consequential damage or any incidental expenses resulting from any breach of the warranty OR claims for damage to a building or any other consequential loss either directly or indirectly due to fire or any other faults.

Product Overview

General Design Layout



Control Panel



Features

- 5.9 Star Energy rating.
- One touch ON/OFF button.
- Electronic ignition.
- Room temperature adjustment (Refer Page 7).
- Economy function (Refer Page 8).
- Filter Clean Warning Device - When the air filter is clogged or hot-air outlet is blocked, the filter safety device will switch off the heater and the filter light will flash.
- Anti-tilt Safety Switch automatically shuts off gas flow if the heater is knocked or bumped.
- Oxygen Depletion Safety System automatically shuts off gas flow if the oxygen level in the room drops below a safe level.
- Flame Failure Device prevents flow of gas to burner if ignition fails or flame goes out.
- Power Failure Device prevents flow of gas to burner if there is a power failure.
- Overheat Safety Device – if the fan stops rotating for any reason the overheat switch shuts off the gas supply.
- Manufactured in Japan.

Specifications

MODEL	PG-311F	PG-S311F
Type	Convection Heater	Convection Heater
DIMENSIONS: (mm) (Approx: Height x Width x Depth)	436 x 531 x 206	436 x 531 x 206
GAS INPUT	LPG & NG	LPG & NG
High (MJ/h)	13.5	13.5
Low (MJ/h)	5.2	5.2
Output (kW)	3.4	3.4
HOSE Connections (mm)	Φ 9.5	Φ 9.5
STAR ENERGY RATING	5.9	5.9
MINIMUM ROOM SIZING (Cu.M)	33	33
COLOUR	Off White	Silver
NET WEIGHT (KGS)	10.9	10.9

Preparation

- (1) Remove heater from carton.
- (2) Please ensure that the gas specified on the rating plate matches your gas supply. Using a different type of gas may cause an explosive ignition resulting in injury, damage to heater or malfunction of the oxygen depletion safety system. Do not install heater if it is the wrong gas type. Please contact your place of purchase immediately.
- (3) Check room sizing – refer specifications. Do not install if the actual room size is less than the specified minimum room size requirements.
- (4) A dedicated 240V Earthed 10 Amp power point must be used with this heater.

Notice to Victorian Customers: This appliance must be installed by a licensed person as required by the Victorian Building Act 1993. Only a licensed person will give you a compliance certificate showing that the work complies with all relevant standards. Only a licensed person will have insurance protecting their workmanship for 6 years. Make sure you use a licensed person to install this heater and ask for a compliance certificate. – Message from the Victorian Plumbing Commission.

Safety Instructions

To ensure safe and proper use of this heater, please read these instructions carefully.

Danger – Indicates an immensely hazardous situation which, if not avoided, will result in serious injury or death in the most extreme situations.

Warning – Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death in the most extreme situations.

Caution – indicates a potentially hazardous situation which, if not avoided, may result in minor injury.

Danger

If a gas leak is detected:

- Do not turn power switches on or off.
- Do not plug or unplug electrical appliances.
- Do not use the telephone.

Flame or sparks may ignite the gas and cause a fire:

- Cease operation immediately and close the gas valve.
- Open windows and doors for ventilation.
- Contact your gas supplier, a licensed plumber or Rheem Service on 131 031.

Warnings

- For information on the gas consumption and gas type please see data plate.
- Please ensure that the gas specified on the rating plate matches your gas supply. Using a different type of gas may cause an explosive ignition resulting in injury, damage to heater or malfunction of the oxygen depletion safety system. Do not install heater if it is the wrong gas type. Please contact your place of purchase immediately.
- Electrical supply must be 240v, 50 Hz.
- Use only the gas hose supplied with the heater to avoid risk of gas leakage.
- Ventilation and room sizing must comply with local regulations. This heater is not intended for a fireplace insert.
- Ensure your room is correctly ventilated while unit is operating. Continuous use decreases the oxygen level in the room which activates the oxygen depletion safety system.
- Do not allow curtains or other flammable materials or aerosol cans to come into contact with the heater. It may cause a fire or the pressure in the aerosol-can may increase resulting in an explosion.
- Do not use or store gasoline, benzene, aerosol or any other flammable material near this appliance. It may result in a fire.
- Do not post or allow children to post articles such as paper, cloth or any other foreign material into the louvres or air inlet of the heater. Do not block the louvres or the air inlet of the heater. This may cause a fire or overheat the appliance.
- Do not leave the heater unattended or alight when you leave the house.
- Do not sit, stand or sleep directly in front of the heater. Receiving direct heat continuously may cause low temperature burns. The aged, children, a very tired person, a person with sensitive skin or an intoxicated person must be supervised at all times.

- If your heater fails to operate correctly or you detect any unusual odours during its operation, cease operation immediately and close the gas valve. Refer to the trouble shooting section of these instructions and if the problem cannot be fixed please contact your gas supplier or Rheem service.
- This heater must be repaired or serviced by an authorised person. Repairs carried out by an unauthorised person may cause abnormal operation. The heater must be serviced at least once every three (3) years.
- Do not place articles on or against or in front of warm air outlet or air filter of this appliance.
- Do not spray aerosols in the vicinity of this appliance whilst it is in operation.
- Do not use this heater in areas where spray painting is taking place or in areas such as hairdressers where there may be lots of fluff and dust or where aerosols may be used.
- All replacement parts must be approved Paloma spare parts.
- This heater may circulate large volumes of air. If the air in the room contains any cigarette smoke or cooking vapours, it may affect the appearance of carpets, furniture and drapes, etc.
- Clean the air filter regularly (at least once a week).

Caution

- Do not move the heater during operation.
- Do not use for any other purpose other than for heating. Must only be used as a space heater.
- Do not touch the warm air outlet during operation. Supervise young children or infirm persons near the heater. Also ensure that children do not play with this appliance.
- Do not sit, stand or lean on the heater.
- Do not insert your fingers into the louvres or the air inlet of the heater.
- Do not cut the electrical cord to extend the lead. Install the heater where the original electrical cord reaches a wall socket.
- Do not unplug or shut down during operation. This may cause overheating.
- Do not place the heater near an opening door. The heater could be knocked over.
- Do not touch the electric plug with wet hands as this could cause an electric shock.
- Do not pull the electrical cord to unplug as this could break the cord and start a fire.
- Place a flat board for stability when placing the heater on soft or thick carpet. Placing directly on to a carpet may discolour the carpet.
- Ensure that recommended clearances are maintained at all times.
- This heater is designed for domestic household applications only. Using this heater in commercial applications will shorten its life significantly.
- In case of thunderstorms, cease operation and unplug the electrical cord.
- Do not use sprays containing silicon in the vicinity of the heater. It damages the oxygen depletion safety device.
- Do not install in a place where the heater may be affected by wind. The flame could be blown out by a strong wind.
- If the heater is shut off by the oxygen depletion safety system, please ensure you ventilate the room immediately for satisfactory combustion.

Installation

- This heater must be installed with a minimum clearance of 50mm from the rear and sides. These clearances must be maintained at all times.
- There must be a minimum clearance of 750mm from the hot air outlet.
- Do not install in a room with inadequate ventilation – refer to Australian Standard AS5601.
- Do not install on an uneven surface or a vibrating floor.

- Do not install directly on to carpet or timber floor or vinyl floor or cork floors. Heat emanating from these appliances may discolour the carpet or damage your floor. It is recommended that a mat or flat board be placed in front of this appliance extending at least 800mm in front of it.
- Do not install near a door or windy location or under shelves or in a confined space. E.g.: fireplace.
- Do not install in a bedroom or bathroom or combined living/sleeping areas or toilets or sauna.
- Do not install where flammable materials are likely to come into contact with the heater.
- Do not install where water may splash or near another heat source.
- Do not install in a caravan, mobile home or recreational vehicle.
- Do not connect to a Propane (LPG) gas cylinder **indoors**.
- This appliance is not designed to be built into walls or cupboards.
- If you move house check the gas type in the house where you are moving to.
- The bayonet plug on the factory fitted flexible hose simply plugs into your bayonet fitting.
- Do not place heater against wall or on a shelf.
- Always place heater on flat surface and away from strong draughts.
- It is recommended that a dedicated 240V 10Amp power point be used with this appliance. Do not use power boards or double adaptors to operate this appliance. Heater must not be located below a power socket – outlet.
- Turn the heater off after use. Do not unplug the heater while it is in operation or while the fans are still cycling.
- Do not move the heater while it is in operation.
- When the heater is operated for the first time or after long periods of non use a slight odour may be emitted, this is normal. However if odours persist switch off the heater and contact Rheem Service.

Operating Instructions

Before you begin ensure that the gas hose connector and electrical cord are plugged in correctly.

START UP

- Press the ON/OFF Button once to start the heater and the operation light (green) will light up.
- After a short delay the combustion light (red) will light up. this indicates proper ignition has been achieved and the burner is on.
- If the heater fails to light, repeat the procedure after first pressing the ON/OFF button to turn the unit off.

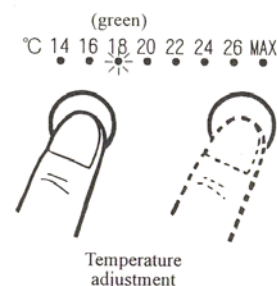


Note:

- When using the heater for the first time or after long periods of disuse, ignition may not occur the first time it is operated as there may be air within the pipes.
- The unit may make noises after igniting or extinguishing the heater. This is due to expansion and contraction of the heater components and is normal.

ROOM TEMPERATURE ADJUSTMENT

- The set temperature can be raised or lowered by using the temperature selection buttons.
- Press any temperature selection button to show the current room temperature. The actual room temperature is shown by the “flashing” green light.
- Press the appropriate lower or higher temperature selection button to set your desired temperature.



Note:

- Your room may not arrive at the “SET” temperature due to the size of room, construction of room, location of the heater or external temperatures.
- For the heater to ignite the “SET” temperature must be higher than the “ROOM” temperature.

TURNING HEATER OFF

Press the ON/OFF button once. All lights will go out.

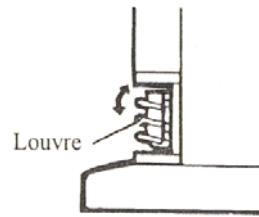


Note:

- The heater fan will continue to operate for several minutes. This is to lower the temperatures inside the heater and is normal.
- Please do not turn the power supply off during this period.

ADJUSTMENT OF HOT AIR OUTLET

The direction of heated air can be adjusted by moving the louvre plate up or down as required.

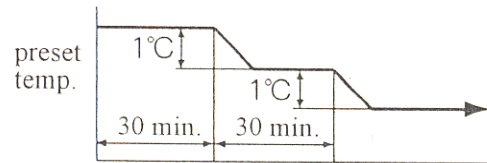


Caution!

Adjust louvre plate only when heater has cooled.

ECONOMY OPERATION

- To operate the heater in economy mode, press the economy button while the heater is in operation. When the heater is in economy mode the economy operation indicator lights up (green).
- To help reduce operating costs and to reduce the cycling of the ignition system, the economy cycle heats up to the temperature selected and after the period of 30 minutes, the temperature is allowed to reduce by one degree up to maximum of two degrees for a period of 60 minutes.
- This subtle reduction in temperature is not noticed by the user.



AIR FILTER

- If the filter light (yellow) comes on, the filter needs cleaning. When the air filter becomes clogged with dust, the air filter light flashes and shuts down the heater.
- Allow it to cool and then clean the filter.
- The large air filter is detachable and both sides should be vacuumed.
- If there is staining try using a mild detergent and thoroughly dry the filter.
- After cleaning, refit the filter. (NOTE: Small air filter is not detachable).



Trouble Shooting

Please check following important points before calling for a service technician:

CONDITION	SUGGESTED REMEDY
The heater does not operate	Check that the power cord is plugged in and the power turned on Circuit breaker or fuse is blown Check that gas is turned on See that enough gas is left in LPG tank (in case of LPG appliance)
Operation Light (Green) does not light	Check for power failure
Combustion Light (Red) does not light	Check that the air filter is not clogged with dust Check that hot air outlet is not blocked
Flame is extinguished during operation	Check that the room is well ventilated (Amount of oxygen inside the room may be insufficient)
Room temperature does not rise up adequately	Check that the filter is not clogged with dust Check that room temperature setting is correct Check that hot air outlet is not blocked
Gas smell	The hose is not securely connected The hose is damaged Turn off heater and call a licensed plumber
Heater smells during use	The heater will give out a strong odour if the room has been recently painted or the floors have been waxed or polished. Ventilate room properly before use
Heater smells or smokes when using first time	The smell or smoke comes from oil used during manufacture. Operate the heater for a while in ventilated room.
The fan keeps operating after the heater is switched off	It stops after the temperature inside the heater has cooled. No action required.
The heater creaks at the time of lighting or switching off	The sound is caused by expansion and contraction of metallic parts when the product is heated or cooled. No action required.

MALFUNCTION CODES DISPLAY CHART

LED light tells you the cause of several possible malfunctions as listed below:

LIGHT COLOUR	FLASHES (ON/OFF)	PROBABLE CAUSE	SUGGESTED REMEDY
Combustion Light (RED)	Consecutively	Ignition failure	Make sure that the gas valve is fully opened.
	Once	Flame failure	Turn heater OFF then ON
	Twice	Malfunction of electric circuit	The heater must be checked by an Authorised Service Centre or Technician
	Three Times	Checking operation	No malfunction Heater will continue to operate in a few seconds
Filter Light (YELLOW)	Consecutively	Electricity failure protection is functioning	Turn heater OFF then ON again
Operating Light (GREEN)	Once	Tilt Safe Device is functioning	Place the heater on a levelled surface Turn heater OFF then ON again

1. FLAME FAILURE SAFETY DEVICE

It closes the gas valve automatically in the event of a flame failure.

2. OXYGEN DEPLETION SAFETY DEVICE

If the oxygen levels drop below a safe level, the oxygen depletion device will cut off the supply of gas to the heater.

3. TILT SWITCH

If the heater is knocked over, the tilt switch will cut off the supply of gas to the heater. The tilt switch may also operate if the heater is jolted whilst in operation.

4. OVERHEAT SWITCH

When the fan stops rotating for any reason, the over-heat switch switches off the gas supply.

5. POWER FAILURE

In case of power failure, the gas valve is automatically closed.

6. FILTER CLEAN SAFETY DEVICE

When the air filter is clogged or hot outlet is blocked, the filter safety device will switch off the heater. The filter light will flash.

Inspection and Maintenance

Turn heater off, disconnect gas hose, unplug and wait until heater cools down.

Please ensure you carry out daily inspection and maintenance.
Do not use heater if you believe that something is wrong.
It is recommended that your heater be serviced periodically.

Points to check:

- There are no flammable materials in the vicinity of the heater.
- Air filter is correctly fitted and is not dirty.
- The hose is correctly connected without kinking or twisting.
- There is no damage to the electric cord.

Maintenance

- Always wear gloves and be careful of any sharp edges.
- Do not use cleaning cloths, benzene, acid, or alkaline detergents as this could discolour the paint and plastic components.

Outer Casing:

- Always keep the heater clean.
- Use a damp soft cloth to wipe. Use mild soapy water if required to clean severe dirt.

Louvres:

- Use vacuum cleaner to remove all dust and dirt. **Note:** Ensure the heater is not working before cleaning.
- A white powder may form on the louvres. Wipe off with soft cloth.

Caution: Do not exert strong pressure or force on the louvres. The louvres may break causing discolouration or damage to the floor or carpet due to change in the direction of heat discharge.

Air Filter:

- If the air filter lamp flashes, clean the air filters (small and large).
- Use a vacuum cleaner to remove dust and dirt on the air filters.
- Use mild soapy water for severe dirt and refit after drying. If the air filter is wet, the heater may not operate correctly.
- The heater must never be operated without the filter. Please refit correctly.

Service

Rheem Australia has a service and spare parts network in all states. Our service network personnel are fully equipped to give the best service on your Paloma gas heater.

**If your heater requires a service call
please contact Rheem National Service on 131 031.**

Do not return heater to place of purchase.

State Service & Spare Parts:

	QLD	SYD/CANB	NEWC	VIC	SA	WA
Service Tel:	07 3213 0100	02 9684 9280	02 4961 3515	03 9212 8900	08 8343 0000	08 9351 4238
Service Fax:	07 3213 0154	02 9684 9188	02 4961 3117	03 9212 8955	08 8359 6002	08 9353 4101
Parts Tel:	07 3213 0102	02 9684 9282	02 4961 3515	03 9212 8911	08 8343 0044	08 9258 3099
Parts Fax:	07 3213 0154	02 9684 9188	02 4961 3117	03 9212 8984	08 8359 6003	08 9356 9914

Approval

**These Paloma models have been approved by the Australian Gas Association
under AGA Approval Number: 5899**

*In keeping with our policy of continuous progress and product improvement,
we reserve the right to make changes without notice.*

DISTRUBTED IN AUSTRALIA BY:

RAYPAK AUSTRALIA PTY LTD
ABN 65 078 743 414
(A DIVISION OF RHEEM AUSTRALIA PTY LTD)
39 KOORNANG ROAD
VIC 3179

SALES TEL: 1300 729 725
SALES FAX: 03 9757 3350

Printed: July 2008

15-01875-00