

GOLDAIR

Operating Instructions

Heat Pump



Model: GHP100, GHP200, GHP300

General Care and Safety Guide

Thank you for choosing a Goldair Heat Pump. This Goldair Heat has been designed and manufactured to high standards of engineering and with proper use and care, as described in this leaflet, will give you years of useful service. Please read these instructions carefully.

1. Use only the voltage specified on the rating label of the unit.
2. Keep all objects at least 1 metre from the front and sides of the unit. Do not place unit close to radiant heat source.
3. Do not operate in areas where petrol, paint or other flammable liquids are used or stored.
4. Do not insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause an electric shock, fire or damage to the unit. Do not sit on the unit.
5. Do not operate this unit with a damaged cord, plug or after the unit malfunctions or has been dropped or damaged in any manner. contact the Goldair Customer Services Team to arrange examination, electrical service or repair.
6. This unit is intended for household use only and not for commercial or industrial use.
7. Use this unit only as described in this manual. Any other use is not recommended by the manufacturer and may cause fire, electrical shock or injury.
8. The common cause of overheating is deposits of dust or fluff in the unit. Ensure these deposits are removed regularly by unplugging the unit and vacuum cleaning the air vents and grills.
9. Do not use abrasive cleaning products on this unit. Clean with a damp cloth (not wet) rinsed in hot soapy water only. Always remove plug from the mains supply before cleaning.
10. Do not connect the unit to mains supply until completely assembled and adjusted.
11. Ensure the Heat Pump is installed on a flat, stable, heat-resistant surface.
12. Do not install the Heat Pump directly above or below any power socket or switch.
13. This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they are supervised or have been given instruction concerning the use of the unit by a person responsible for their safety.
14. Do not use this unit in the immediate surrounds of a bath, a shower, or a swimming pool or other liquids. The unit must not be immersed in any liquids.
15. When the unit has been unpacked, check it for transport damage and ensure all parts have been delivered. If parts are missing or the unit has been damaged, contact the Goldair Customer Services Team.
16. If your unit does not work, or is not working properly, contact the place of purchase or the Goldair Customer Services Team. Repair work on the unit by unqualified persons can cause serious risk to the user.
17. There are no user serviceable parts installed in the unit.
18. Do not place the unit in wardrobes or other enclosed spaces as this may cause fire hazards.
19. This unit is not supposed to be used in or around locations where foodstuffs, works of art or delicate articles of science, etc are stored.
20. Indoor use only.
21. Children should be supervised to ensure that they do not play with the unit.
22. It is important that you do not cover this heat pump.

TECHNICAL SPECIFICATION

Model No: GHP100, GHP200, GHP300

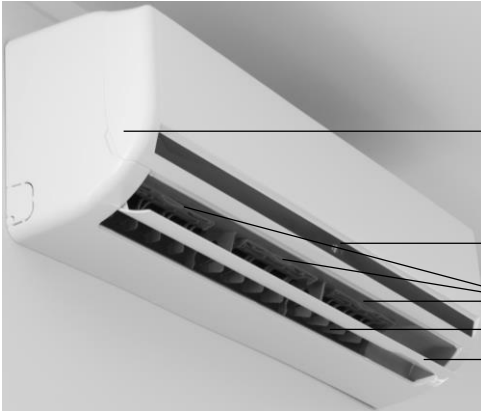
Supply: 220-240VAC 50Hz

Wattage: GHP100 – 660/680W GHP200 1490/1580W GHP300 1940/2060W

Overview of your Heat Pump

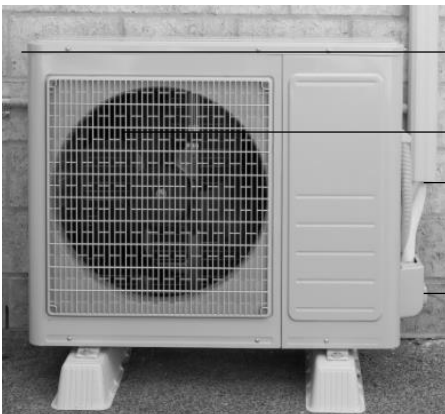
Heat pumps draw heat from air outside to heat a home, transferring heat rather than running an element to create it. This can be reversed in summer, so that the unit is used to cool the room.

INDOOR UNIT



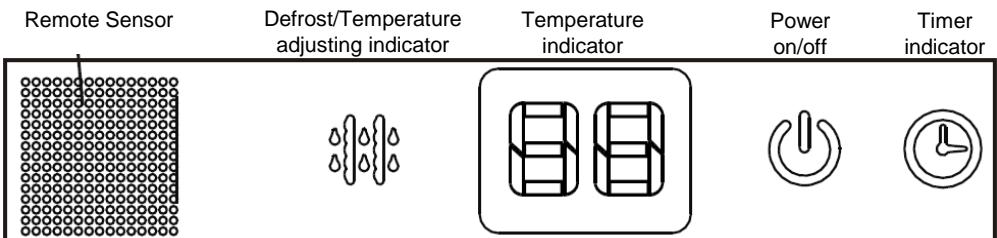
1. Side clip to access manual operation
2. LED Control panel
3. Horizontal louvres (for manual adjustment only)
4. Air outlet
5. Oscillating louvre

OUTDOOR UNIT



6. Air inlet
7. Air outlet
8. Connecting pipe & cable
9. Stop valve

CONTROL PANEL



Remote Sensor

Defrost/Temperature
adjusting indicator

Temperature
indicator

Power
on/off

Timer
indicator

Overview of your Heat Pump

Goldair heat pumps are covered under warranty only when a Goldair Approved Installer has completed the install, any heat pump not installed by a Goldair Approved Installer will void its warranty.

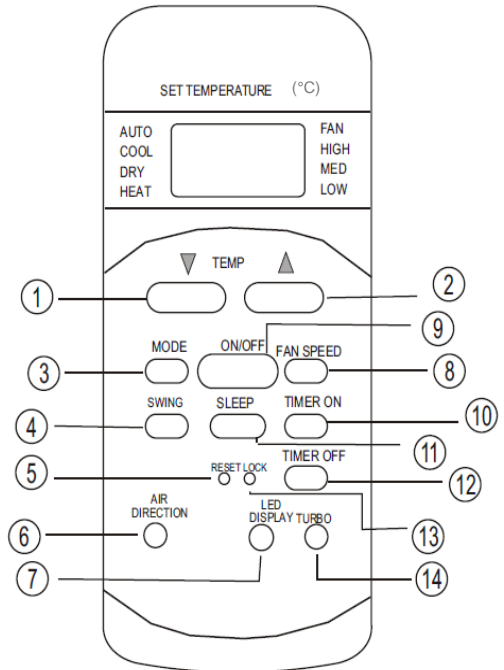
REMOTE

For best results, aim the remote directly at the remote sensor on the control panel.

The remote has a 5 metre range of operation.

The remote control requires 2x AAA batteries (included). Remove the plastic tab from the rear of the remote to install batteries.

1. Temperature increase
2. Temperature decrease
3. Mode
4. Swing
5. Reset
6. Air Direction (oscillating louvre)
7. LED display
8. Fan speed
9. Power on/off
10. Timer on
11. Sleep
12. Timer off
13. Lock
14. Turbo



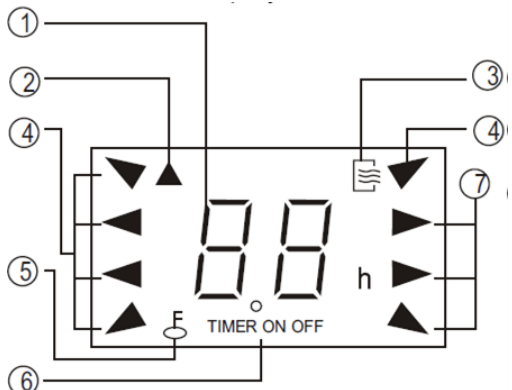
MEMORY FUNCTION

If power supply is cut off when the appliance is running, or when the unit is powered off, it will automatically restart in the last working mode once power is restored.

REMOTE CONTROL PANEL

The control panel on the Remote indicates the Heat Pump mode and function.

1. Temperature indicator
2. Transmitting indicator (blinks when the remote transmits to the indoor unit control panel)
3. Power on/off indicator
4. Operation mode indicator
5. Lock indicator
6. Timer indicator
7. Fan speed indicator



NOTE: You will hear a beep each time a remote control button is pressed, as it transmits to the indoor unit control panel.

Operating your Heat Pump

Always choose a safe location for the Heat Pump, keeping in mind the safety precautions outlined. Ensure all packaging has been removed from the unit before use.

WARNING Keep all objects at least 1 metre from the front and sides of the unit.

Note: When the Heat Pump is turned on for the first time, it may release a slight odour or mist, or cracking noise. This is a normal occurrence caused by the initial heating of the internal components and should not occur again.

OPERATION

Once the Heat Pump has been installed by a Goldair approved installer, check that the batteries of the remote are inserted correctly before attempting to power the unit on.

Press the Power button on the Remote to turn the unit on. The power on/off indicator will display on the control panel.

The LED on the control panel will display the default temperature of 24°C and begin to blow out air on Low fan speed in heat mode.

Note: When the unit is powered on it may take several minutes to heat to the set temperature before begging to blow air. This is normal, and is indicated on the control panel by the Defrost/Temperature adjusting indicator being illuminated.

To turn the unit off, press the Power Button again.

Note: When the unit has been powered off the fan will continue to run as the unit shuts down. This is normal, and assists to prolong the life of the unit. This can be overridden by pressing the Power button a third time.

THERMOSTAT

Press the arrow up or arrow down buttons to adjust the temperature to your desired setting (from 17-30°C). Once you have set the desired temperature, the LED on the control panel will blink and then display the new set temperature. The unit will now work to adjust the room temperature to the set temperature.

FAN SPEED

Press Fan Speed button to switch between the following:

AUTO - HIGH - MED - LOW

In AUTO mode, the fan speed will cycle between low, medium and high to achieve the set desired room temperature.

MODE

Press Mode button to switch between the following:
AUTO - COOL - DRY - HEAT - FAN

In AUTO mode, the fan speed will cycle between low and high to maintain the set temperature, and cannot be adjusted. When the unit is run in this mode, AUTO indicator will illuminate on the Control Panel.

In COOL mode, water may drip from the unit if it has been running non-stop for an extended period of time, it is recommended if this condensation occurs to adjust the louvre to vertical and adjust the fan speed to high.

In DRY mode, the fan speed cannot be adjusted. When the room temperature is lower than 10°C in this mode, the unit will automatically stop dehumidifying until the room temperature increases again.

In HEAT mode use the High fan speed setting initially and then switch to the Low speed setting for greater economy.

In FAN mode, the temperature cannot be adjusted.

When switching between modes, the unit will pause as it re-adjusts, this is indicated by the LED Defrost/Temperature adjusting indicator displayed on the Control Panel. Once the unit has adjusted the internal temperature, the fan will begin to blow air at the set temperature, note that this pause while the unit re-adjusts may take several minutes.

SLEEP

When the SLEEP button is pressed, the unit will change the fan speed to low.

Sleep setting can only be set in AUTO - COOL - HEAT modes. When Sleep is selected in Cool or Heat modes the unit will adjust the set temperature by 1-2°C per hour for the first 2 hours of operation, and then remain for the next 5 hours before the unit switches off automatically.

Operating your Heat Pump

TIMER

The Heat Pump is fitted with a timer that will turn the unit on or off after the desired time has elapsed.

To set the unit to turn on:

Press the TIMER ON button to adjust the length of time from 1 – 24hours that you would like the unit to run for before turning on. Each press of Timer On button will adjust the length of time before the unit switches on. The first 1-10 hours will adjust in 30 minute increments with each press of the Timer On button, the remaining 11-24 hours will adjust in 1 hour increments.

To turn off the Timer setting function, set the Timer On back to 0 hours.

This function can be set while the unit is running, or when the unit is powered off.

When the unit is powered on, and the TIMER ON function is set, the unit will turn back on after the set length of time, only after the unit has been powered off.

To set the unit to turn off:

Press the TIMER OFF button to adjust the length of time from 1 – 24hours that you would like the unit to run for before turning off. Each press of Timer Off button will adjust the length of time before the unit switches off. The first 1-10 hours will adjust in 30 minute increments with each press of the Timer Off button, the remaining 11-24 hours will adjust in 1 hour increments.

To turn off the Timer setting function, set the Timer Off back to 0 hours.

Do not use this Heat Pump with a programmer, remote-control system, separate timer or any other device that switches the Heat Pump on automatically.

LED DISPLAY

By pressing the LED button the LED on the control panel which switch off but the unit will continue to run. To illuminate and view the LED display again, press the LED display button a second time.

SWING

This button turns the unit oscillation function on and off.

AIR DIRECTION

The louvre can be manually adjusted to the desired angle by pressing this button.

Note: The louvre will automatically close when the unit is powered off.

HORIZONTAL LOUVRE

The Heat Pump is fitted with 3 horizontal louvres than can be manually adjusted at the unit only.

TURBO

This function operates in Cool mode only.

By pressing the TURBO button the unit will change the fan speed to high, and work to cool the room faster. Press the Turbo button again to cancel this function.

RESET

When the recessed RESET button is pressed all current settings are cancelled and the unit will begin to operate in the default settings.

LOCK

When the recessed LOCK button is pressed the controls will not be able to be changed. Press the Lock button again to cancel this function and enable the controls.

DEFROST

Occasionally the air around the motor can become very cool, this will cause the unit to go into defrost mode. The Defrost/Temperature adjusting indicator light will illuminate on the control panel.

This is a normal function for the Heat Pump and cannot be controlled by the user.

Cleaning and Maintenance

MANUAL OPERATION

By pressing the left and right Side clips in together on the Indoor unit, and lifting the unit front panel, the manual switch can be accessed. The Manual Operation should only be used when maintenance is being performed on the unit, or the Remote fails to operate.

CARE AND CLEANING

The Heat Pump requires regular cleaning to ensure trouble free operation:

Ensure that the Heat Pump has been allowed to Power Off completely before cleaning.

Switch the Heat Pump off from the mains supply before cleaning.

Use a damp cloth (not wet) to wipe the exterior of the Indoor unit to remove dust and dirt.

Use a vacuum cleaner to remove dust and fluff from around the grill/louvre.

Never use solutions such as benzene, thinners or polishing agents.

Ensure the Heat Pump is dry before switching back on at the mains supply.

TO CLEAN THE AIR FILTER:

Ensure that the Heat Pump has been allowed to Power Off completely and has been switched off from the mains supply.

Press the left and right Side clips in together on the Indoor unit, and lift the unit front panel.

Remove the filter by pressing the Filter clip in and gently pulling the filter down and out of the unit.

Clean the filter with a vacuum or with water. Dry the filter.

The Freshening filter sits in behind the air filter and can be removed by gently pulling out from its frame.

Clean the freshening filter with a vacuum or with water. Dry the filter.

Ensure both the air filter, and freshening filter are completely dry before placing back in the unit.

Never use unit without the air filter and freshening filter.

IMPORTANT! NEVER COVER THIS HEAT PUMP!

CAUTION

Do not touch the metal parts of the unit when removing the filters. Injuries can occur when handling sharp metal edges.

Do not use water to clean inside the unit. Exposure to water can destroy the insulation, and lead to possible electric shock.

Do not attempt to dismantle the Heat Pump. There are no user serviceable parts. For service or repair, contact an authorised electrical service technician.

CAUTION: The Heat Pump generates heat during use. Proper precautions must be taken to prevent the risk of burns, scalds, fires or other damage to persons

It is important that you do not cover this Heat Pump.

STORAGE

If you do not plan to use the unit for a long period of time the follow steps can be performed to care for the unit:

- Clean the indoor unit and filters.
- Operate the fan for about half a day to dry the inside of the unit.
- Power off the unit and switch off at the mains supply.
- Remove the batteries from the remote control unit.
- The outdoor unit requires periodic maintenance and cleaning; Do not attempt to do this yourself contact your authorised service technician.

PROOF OF PURCHASE

To receive warranty retain receipt as proof of purchase. (Refer to back of booklet).

GOLDAIR

SUPPORT AND TECHNICAL ADVICE

Goldair – New Zealand

Monday – Friday 8am-5pm

Phone +64 (0)9 917 4000

Phone 0800 232 633

info@cdb.co.nz

Goldair – Australia

Monday – Friday 8am-5pm

Phone +61 (0)3 9336 4423

Phone 1300 465 324

info@cdbgoldair.com.au

Trouble shooting

The following events may occur during normal operation.

The unit will not restart for 3-4 minutes after it stops

The unit is designed not to blow cold air on HEAT mode. This may occur when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.

1. When heating has just started.
2. Defrosting.
3. Low temperature heating.

The indoor or outdoor fan stop running when defrosting

Frost may be generated on the outdoor unit during heat cycle when the outdoor temperature is low and humidity is high resulting in lower heating efficiency of the Heat Pump.

During this time the Heat Pump will stop heating operation and start defrosting automatically.

The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost built up on the outdoor unit.

A white mist coming out from the indoor unit

This may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.

A white mist may generate due to moisture generated from defrosting process when the Heat Pump restarts in HEAT mode operation after defrosting.

Low noise emitting from the Heat Pump

You may hear a low hissing sound when the compressor is running or has just stopped running.

It is the sound of the refrigerant flowing or coming to a stop.

You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.

A noise may be heard due to louver restoring to its original position when power is turned on.

Dust is blown out from the indoor unit

This is a normal condition when the Heat Pump has not been used for a long time or during first use of the unit.

A peculiar smell comes out from the indoor unit

This may be caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

The Heat Pump turns to FAN only mode from COOL or HEAT mode

When indoor temperature reaches the set temperature the compressor will stop automatically, and the Heat Pump turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode.

The Heat Pump runs after turning off the unit

When turning off the unit under COOL (AUTO COOL, FORCED COOL) and DRY mode, the Heat Pump will run for 7-10 minutes, then stop the operation and turn off the unit automatically.

Dripping water may condensate on the surface of the indoor unit when cooling in a high relative humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

Heating mode

The Heat Pump draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the Heat Pump decreases accordingly. At the same time, heat loading of the Heat Pump increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can't be achieved by the Heat Pump, we suggest you use a supplementary heating device.

Auto-restart function

Power failure during operation will stop the unit completely.

When the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller, the unit restarts automatically with all the previous settings preserved by the memory function.

Two Year Warranty

Thank you for purchasing this Goldair product. Your product is warranted against faults and manufacture when used in normal domestic use for a period of **two years**. In non-domestic use Goldair limits the voluntary warranty to **three months**.

Goldair undertake to repair or replace this product at no charge if found to be defective due to a manufacturing fault during the warranty period.

This warranty excludes damage caused by misuse, neglect, shipping accident, incorrect installation, or work carried out by anyone other than a qualified electrical service technician.

PLEASE KEEP YOUR RECEIPT AS THIS WILL HELP VERIFY YOUR WARRANTY.

The benefits given to you by this warranty are in addition to other rights and remedies available to you under law in relation to the goods or services to which this warranty relates.

In Australia, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

In New Zealand this warranty is additional to the conditions and guarantees of the Consumers Guarantee Act (1993).

Goldair – New Zealand

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Phone 1300 GOLDAIR (1300 465 324)
www.goldair.com.au

Goldair Two Year Warranty (IMPORTANT: Please complete and retain this warranty card)

Name _____

Address _____

Place Of Purchase _____ Date of Purchase _____

Name Of Product _____ Model Number _____

Attach a copy of the purchase receipt to this warranty card