

**Please ensure these instructions are read thoroughly before commencing installation.**

## SPECIFICATIONS

Product code:	FAN0325
Maximum operating temperature:	50°C
Electrical supply:	220/240V AC 50 Hz 39W
Airflow maximum:	320m <sup>3</sup> /hr (89 l/s)

## KIT CONTENTS

1 x	150mm Hyper fan
1 x	3m x 150mm Diameter Acoustic Insulated Duct
1 x	3m x 150mm Diameter Insulated Duct
1 x	150mm Inlet Grille
1 x	150mm Adjustable Cone Outlet Diffuser
1 x	Touch Screen Controller
2 x	5m Duct Tape Roll
1 x	Screw Set

## Hints:

- Before making any holes in ceilings, check for access behind the ceiling, taking care to avoid ceiling joists, etc.
- Check the distance you want to run the duct. The shorter the duct run the more efficient the fan is.
- This Heat Trans kit is supplied with two types of ducting: insulated and Acoustic insulated. The insulated ducting should only be used from the inlet to the fan. The Acoustic insulated ducting should only be used from the fan to the outlets.

Each duct package is clearly labelled with the type of duct it contains.

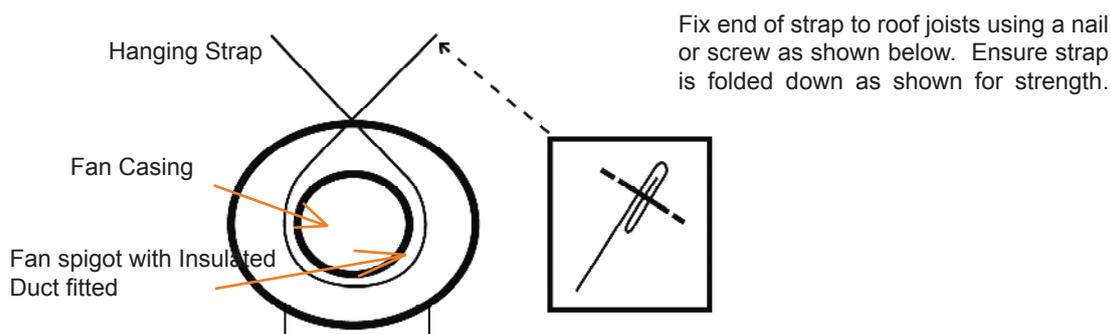
- Remember! The hot layer of air is dispersed across the whole ceiling so it is not necessary to install the inlet grille directly near the fire flue. The grille should be at least 1m away from the flue in order to avoid excessively high temperatures.
- Although the fan is a ball bearing mounted fan and is very quiet, it is recommended to mount it on a solid surface such as the top plate of a wall partition, or, better still, suspend the unit from the rafters. This will ensure the quietest operation possible and eliminate any resonance.

## INSTALLATION

1. Choose the inlet location within the already heated room and cut a hole for the grille, using the cardboard template supplied. **CARE MUST BE TAKEN TO CUT AN ACCURATE AND NEAT HOLE.** Before fitting the inlet grille make sure the spring loaded arms are pushed upwards, as this will enable the arms to spring outwards when the grille is inserted in to the cavity.

**PLEASE NOTE - The Inlet Grille has an adjustable damper to regulate the amount of warmed air transferred, please OPEN THIS FULLY when installing the grille.** If required it can be adjusted once the system is running.

2. Choose the outlet location in the room to be heated. Cut the holes for each diffuser, using the cardboard template supplied. Before fitting the diffuser make sure the spring loaded arms are pushed upwards, as this will enable the arms to spring outwards when the diffuser is inserted in to the cavity.
3. Fitting of ducting: Straight runs without tight bends are most efficient. The inner duct should be stretched reasonably tight to assist efficient airflow. When connecting insulated duct to the spigots, you first secure the 'CORE' to the spigot with duct tape. Then pull the 'INSULATION' up to the joint and tape the 'OUTER SLEEVE' to the spigot with the duct tape. Where joins in ducting on longer runs are necessary we advise the use of a proper duct connector sleeve (Part No: DCT0059) to form the joint on. Stretch insulation over maximum amount of each joint to avoid heat-loss.



4. Locate the best mounting place for the fan unit in the ceiling space. Ensure the correct airflow direction is maintained when mounting the fan. Make the wiring connections. It is recommended all wiring be performed by or in conjunction with a registered electrical contractor. Note that a suitable junction box will be required to connect the fan and incoming supply.
5. The Touch Screen Controller should be located where the air temperature can be sensed as accurately as possible without being adversely affected by direct solar radiation or convection currents. Please refer to the instructions included with the Touch Screen Controller to ensure correct installation.

Points to note:

- The Touch Screen Controller must only be installed inside in the same room as the heat source
- Mount ~1.5metres above the floor on an internal wall
- Select the wall for ease of wiring to the fan
- Avoid locations which are not generally affected by changes in the room temperature
- Do not mount on hot surfaces or expose to direct sunlight

**IMPORTANT: You will need to set up the controller before use. Please see the Heat Transfer Thermostat Initial Setup guide included with this kit.**

6. Run and connect all ducting between the extract vent, fan and outlet diffuser. Check all joints are secure, duct tape is provided for this purpose. The system can now be run to test.

7. Use adjustable diffuser outlets to regulate the airflow to each room. To adjust the diffusers turn the cone clockwise to decrease the airflow, anticlockwise to increase the airflow.

Note: This system does not generate heat. We have gone to great lengths to ensure that heat is not lost through our transfer system. Your Excess Heat capacity in the source room, which is available for transfer, must exceed the overall heat losses in the target room, if the temperature is to rise. The following points are worthy of consideration for you to optimise the performance of your system:

- Do you have enough excess heat? → You may need to run your heat source at higher output levels!
- Is your property well insulated? → Heat lost through poor insulation costs you money!
- Background heating takes time? → Give the system time to create warm air circulation through the house, this may take several hours to establish!

## IMPORTANT

- Switch off mains supply before making any electrical connections.
- If in any doubt contact a qualified electrician.
- The appliance is not intended for use by young children or infirm persons without supervision.
- If it is intended to install an air transfer system such as Heat-Trans into a room where gas appliances are used for the heat source, the gas fire installation company must be consulted before undertaking installation. Section G4/2.2 (Mechanical Ventilation) of the NZ Building Code refers to certain safety criteria which should be considered when installing mechanical ventilation in a room where gas appliances are used. The gas heating installation company can advise on these aspects.

## WARNING:

With certain models of solid fuel fires, a negative pressure can cause smoke from the fire place to enter the room where the fireplace is operating.

If you have a fireplace that uses air from the room for combustion, please ensure that make-up air is available to replace the air that is exhausted by the Heat Trans system.

The use of a door vent can assist in circulating the air throughout the room.

Please consult the fire manufacturer's recommendations before installation of this Heat Trans Kit.

## ACCESSORIES AVAILABLE

Ducting	DCT0583	150mm x 3m Insulated Duct
	DCT0633	150mm x 3m Acoustic Duct
Extras	DCT0059	150mm Duct Joiner
Fixings	FAN0282	150mm Ducting Ties
Upgrade Kits	DCT2101	One Outlet Extension Kit
	DCT1481	Summer Ventilation Kit

## Automated Thermostat Initial Setup

Thank you for purchasing this heat transfer system

The touch screen thermostat is pre set to display three fan speeds - High, Medium and Low.

**IMPORTANT:** If you have purchased a 1 or 2 room (FAN0325/FAN0337) system you will need to set up the controller before use.



Turn off your thermostat with the Power Off Icon.

1. Press and hold the **M** and  Icon for 5 Seconds, then release buttons.
2. Press the **M** button until the number in the top right is "04".
3. Use the  and  arrows to set the fan speed for your kit. 1 = FAN0325 2 = FAN0337 3 = FAN0338  
Wait 5 seconds and display returns to normal mode.

## Heat Transfer Thermostat User Guide

### 1. FAN

This displays the Current Fan Speed.

The Heat Transfer model will determine which options are available:

Three Speed Fan – within a Three room heat transfer system. (FAN0338)

-  = High Speed.
-  = Medium Speed.
-  = Low Speed.
-  = Thermostat will increase Fan Speed automatically.

Two Speed Fan – within a Two room heat transfer system. (FAN0337)

-  = High Speed
-  = Low Speed.
-  = Thermostat will increase Fan Speed automatically.

Single Speed Fan within a One room heat transfer system. (FAN0325)

-  = High Speed.



-  Power ON/OFF
-  Fan Adjust Mode
- M** Mode
-  Set Temperature Up
-  Set Temperature Down

## 2. M (Mode)

This displays either  for heat transfer or  for ventilation mode. Please note you can only select the Mode if you have installed the Summer kit option.

 - (Heat Transfer) This will transfer the excess warm air from your heat source room to other rooms in your home.

 - (Ventilation) If installed, the system will switch to source the air from outside to bring cooler air in to your home in the summer months. The Fan speed can then be manually selected as desired.

Note: Temperature set control is disabled in  function.

## 3. SET = Your desired Room Temperature (available in Heat Transfer Mode only)

To adjust the set temperature use the up and down arrows.

## 4. RT = Room temperature

This displays the current temperature in the room the controller is situated in.

## 5. Night Moon Timer

Your Heat Transfer Thermostat comes with a Sleep Mode Timer. You can set the unit to either Turn On OR Turn Off after the set time.

Sleep Mode: Press and hold the Mode Icon for 3 seconds, then use up or down button for confirmation.

Time On: Press and hold the Mode Icon for 3 seconds, the Moon icon glitters. Then press the Mode Icon again, use the up and down buttons to adjust the range.

Time Off: Press and hold the Mode Icon for 3 seconds, the Moon icon glitters. Then press the Mode Icon four times, use the up and down buttons to adjust the range.

After selecting the time the unit will automatically save the settings if no user input is received within 5 Seconds.

### Lock Mode:

- To Lock the thermostat press and hold the Adjust UP and Down Icons together.
- The Lock Symbol appears in the top of the display.
- To unlock the Thermostat repeat as above.

## Configuration Setup Menu

**To calibrate your Thermostat to operate correctly you need to enter the programming mode:**

- Turn off your thermostat with the Power Off Icon
- Press and hold the Mode and Fan Icon for 5 Seconds, then release buttons.
- Select the Mode you wish to change by pressing the Mode button again, this will step through the Mode options as listed below. (The numbers appear in the top right corner of the display).
- The middle display is the value set for that mode.

### Mode 01 - Room Temperature correction

To correct displayed.

Room Temperature (default -1).

### Mode 02 -

Set to 10 (default)

### Mode 03 -

Set to 30 (default)

### Mode 04 Fan Motor Speed Selector

01 = Single Speed Motor

02 = Two Speed Fan Motor

03 = Three Speed Fan Motor (default)

### Mode 05 Air Source

 = Heat Transfer Only

 = Heat Transfer with Summer

Heat Trans is distributed by Simx Limited. We reserve the right to alter technical specifications without notice.

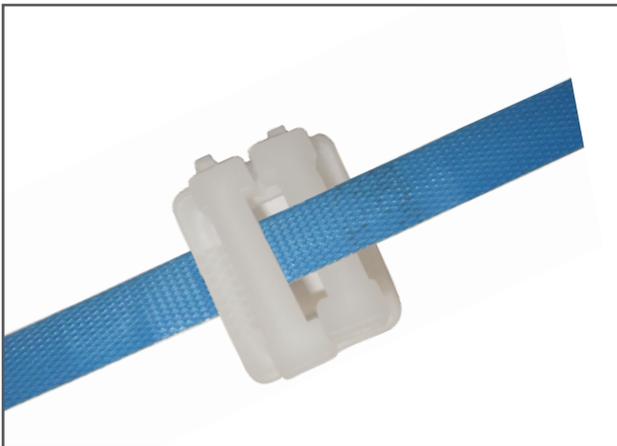
## How to use the Plastic Buckle and Strapping

*This double strapping method will prevent the strap from slipping during handling and operation.*

Blue strapping 12mm x 2- 4 metres  
(Order Code:DCT2284)



Plastic Buckle with two prongs  
(Order Code:DCT2285)



**STEP 1:** Hold plastic buckle in one hand and thread approximately 100mm of blue strapping through the underside of buckle.



**STEP 2:** Feed strapping through to fold back and down to loop over plastic prong then feed back through buckle.



**STEP 3:** Place strapping around load to form a loop. Using the free end of strapping, repeat Step 1 to form two looped straps over prongs of buckle.



**STEP 4:** With load situated in desired position tighten strapping by adjusting and tightening threaded ends through buckle.