

Thermostat Accessories:

- FAN5555 - UT - T1 Heat Transfer Touch Screen Controller
- FAN5856 - UT - M1 Ultecon Mechanical Thermostat Controller



FAN5555



FAN5856

Duct/Diffuser Accessories:

- DCT0088 - 150mm x 3 metres Insulated Ducting
- DCT0059 - 150mm Duct Connector
- DCT0058 - 150mm Adjustable Diffuser
- DCT0091 - 150:150:150 Branch Take Off
- DCT0173 - Duct Tape

Note: A maximum extended length of 12 metres is recommended with this system

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Comfort Maker : Two Room Heat Transfer Kit Installation Instructions

Model:CMHT02. Order Code: FAN0847

Please read instructions before commencing installation

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 runs the more efficient the fan is.
- 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 1 metre from the flue in order to avoid excessively high temperatures.
- Although the fan is ball bearing mounted and 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 and eliminate any resonance.

Installation Instructions:

1. Choose the inlet location within the already heated room and cut a 155mm Dia. hole. CARE MUST BE TAKEN TO CUT AN ACCURATE AND NEAT HOLE. Mount the eggcrate inlet grille using the screws supplied.
2. Choose the outlet location in the room to be heated. Cut a 150mm Dia. hole for the diffuser. Remove the clip-in centre portion of the circular diffuser and the clamp ring. The diffuser is inserted into the cavity and fixed using the screws provided. The clamp ring is not normally required. However should you have difficulty with screwing into the Gib, use the clamp ring over the spigot. Screwing through the Gib into the clamp ring will produce a secure fixing for the diffuser.
3. Fitting of ducting: Straight runs without tight bends are most efficient. The inner duct should be stretched reasonably tight to assist efficient airflow. Where joins in ducting on longer runs are necessary we advise the use of a proper duct connector sleeve (Order code: 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. Run and connect all ducting between the inlet grille, fan and outlet diffuser. Check all joints are secure, duct tape is provided for this purpose. The system can now be run on test.
6. Please Note: 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.
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. To ensure that heat is not lost through our transfer system, your excess heat capacity in the source room, available for transfer, must exceed the overall heat losses in the target room. The following points are worthy of consideration, 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 loss through poor insulation costs you money.
- Background heating takes time - Give the system time to create warm air circulation through the house which may take several hours to establish.

IMPORTANT

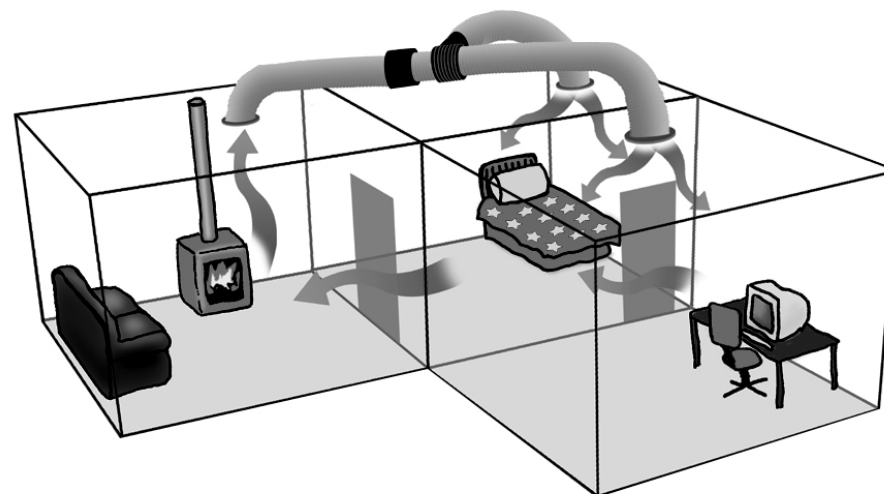
- Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician
- This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Young children should be supervised to ensure that they do not play with the appliance.
- If it is intended to install an air transfer system 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.
- Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The fan is to be installed so that the blades are more than 2.1m above the floor.



Comfort Maker Two Room Heat Transfer Kit

Components Included in this kit

- 1 x Axial Flow 150mm Diameter Fan
- 4 x 3 metres 150mm Insulated Ducting
- 1 x Branch Take Off
- 1 x Eggcrate Inlet Grille
- 2 x Adjustable Circular Outlet Diffuser
- Fittings & Fixings



SPECIFICATION:

Motor: All metal aluminium die cast with metal impeller, outer rotor, shaded pole motor
Voltage: 220-240 V ~ 50Hz
Wattage: 27W
Noise Level: 38dB(A)@3m
Maximum pressure: 120 Pa
Fan Performance: 394m³/hr
(zero pressure)
IP Rating: IPX2
Compliance: AS/NZS60335-2.80:2004

See the list of ComfortMaker accessories overleaf