

HEAT TRANSFER SELECTION

SELECTING YOUR HEAT TRANSFER SYSTEM

When selecting your heat transfer system the following should be taken into consideration:

1) Thermostatic vs switched control - The FV601, FV602 and FV603 systems are provided with a thermostat for convenient and automated temperature based control of the units.

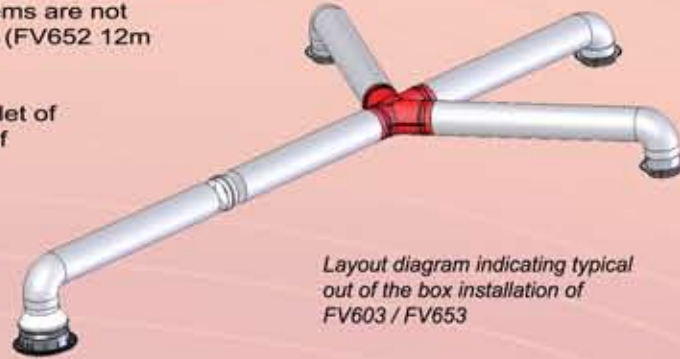
This gives you the ability to 'set and forget' the heat transfer system as it will only operate when the source room (eg lounge with fireplace) is above the temperature set on the thermostat.

- The FV651, FV652 and FV653 systems are not provided with switching control of any type as this is set based on personal preference and should be discussed with your electrician prior to installation.

These units are most commonly installed with basic on/off switching controls, in this situation the unit will continue to operate regardless of the temperature in the heat source room until such time as the unit is manually switched off.

2) Placement and length requirement of the unit - The FV652 and FV653 systems have 'low power usage' rated fan systems and as such it is recommended that for performance reasons that the ducting lengths for these two systems are not extended beyond the lengths supplied in the carton (FV652 12m and FV653 15m).

- All of the heat transfer systems should have the inlet of the system placed within a 1.5m radius of the flue of the fireplace.



Layout diagram indicating typical out of the box installation of FV603 / FV653

HEAT TRANSFER PRODUCT FACTS

Source of heat

The source of heat required is a log burner, pellet fire, slow combustion burning fires. In the case of gas heating please refer to the NZ Building Code, or contact your local gas heating supplier for further advice.

Thermostat or not?

Weiss manufactures 2 types of heat transfer systems: the FV60 series and the FV65 series. FV60 series comes complete with thermostat. FV65 series does not include a thermostat.

If you want a system that you can "set and forget" where the systems is automatically controlled then you need to install the FV60 series.

How many outlets do I need for my home?

Consideration needs to be given to how many rooms you want to transfer excess heat too, a 3 outlet unit will transfer to 3 locations; a 4 outlet unit will transfer to 4 locations.

Where will the inlet grill be located?

The inlet grill will be located on the ceiling within 1.5m of the fire source.

Where are the outlet diffusers located?

Outlet grilles are normally located just inside the doorway of each room that you want to transfer the excess warm air too.

Can I control the airflow to different rooms?

The FV60 series can control the airflow to individual rooms by 2 methods:

- 1) Adjusting the outlet vents
 - 2) Wiring the fan unit to a wall switch to individually switch the rooms on or off. (your electrician can do this)
- The FV65 series is "on or off" however, the flow to individual rooms can be adjusted by closing the adjustable vent in that particular room.

Can I install the unit myself?

The unit can be installed as a DIY unit however; we strongly recommend that a NZ registered electrician is used to do the electrical connection and the thermostat.

Can I extend the lengths of ducting if a room is further away?

You can extend the ducting lengths up to an additional 6m provided you install the Weiss FV05CP inline fan with the unit (this is available through your retailer).

Weiss Limited reserves the right to change specifications or designs described in this document without notice and without obligation.

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WEISS™

Heat Transfer Product Range



<http://www.weiss.co.nz>

HEAT TRANSFER PRODUCTS

FV600 - Through Wall Heat Transfer Kit

FEATURES

- Attractive slim-line fascia design
- 300mm length of semi rigid aluminium ducting included
- Extended 3 year Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 15 Watts
- Free Air Fan Performance: 185m³/hr / 51.3l/sec
- Decibel Rating: 45Db
- Wall Cutout Size: 162mm diameter
- Cavity Clearance Required: 70-300mm



FV601 - 1 to 1 Room Heat Transfer System

FEATURES

- Thermostat included
- Powerful inline motor
- Inlet vent and outlet diffuser vent included
- Extended 3 year Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 40 Watts
- Free Air Fan Performance: 362m³/hr / 100.6l/sec
- 6 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



FV602 - 1 to 2 Room Heat Transfer System

FEATURES

- Thermostat included
- Unique Weiss design 3-way junction fan system
- Inlet vent and outlet diffuser vents included
- Extended 3 year Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 90 Watts
- Free Air Fan Performance: 380m³/hr / 105.5l/sec
- 12 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



FV603 - 1 to 3 Room Heat Transfer System

FEATURES

- Thermostat included
- Unique Weiss design 4-way junction fan system
- Inlet vent and outlet diffuser vents included
- Extended 3 year Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 120 Watts
- Free Air Fan Performance: 420m³/hr / 116.6l/sec
- 15 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



HEAT TRANSFER PRODUCTS ... (Continued)

FV604 - 1 to 4 Room Heat Transfer System

FEATURES

- Thermostat and Speed Controller included
- Weiss design 200mm Centrifugal Backward Curved Fan
- Inlet vent and outlet diffuser vents included
- Extended 3 year Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 85 Watts
- Free Air Fan Performance (max): 1036.9m³/hr / 288.1l/sec
- 26 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 450mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



FV651 - 1 to 1 Room Heat Transfer System

FEATURES

- Powerful inline motor
- Inlet vent and outlet diffuser vent included
- 12 Month Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 40 Watts
- Free Air Fan Performance: 242m³/hr / 67.2l/sec
- 6 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



FV652 - 1 to 2 Room Heat Transfer System

FEATURES

- Powerful inline motor
- Inlet vent and outlet diffuser vents included
- 12 Month Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 40 Watts
- Free Air Fan Performance: 340m³/hr / 94.4l/sec
- 12 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)



FV653 - 1 to 3 Room Heat Transfer System

FEATURES

- Unique Weiss design 4-way junction fan system
- Inlet vent and outlet diffuser vents included
- 12 Month Warranty
- Tested and approved to New Zealand Standards

SPECIFICATIONS

- Total Product Wattage: 90 Watts
- Free Air Fan Performance: 380m³/hr / 105.5l/sec
- 15 metres of Thermal Rated Insulated Ducting
- Cavity Clearance Required: 330mm
- Ceiling Cutout Size: 250mm (inlet) & 150mm (outlet)

