Installation, Operating, Maintenance and After Sales Manual.

WHISPA III® 5000, 7000 & 9000
This MYSON WHISPA III® fan convector is designed for installation in the cavity beneath kitchen cupboards on the vacant floor space, or other similar locations.

No rear access shall be available to the unit after installation.

MYSON WHISPA III® fan convectors are designed to be used with mono-flo Tees from a series loop, on a two pipe system, or as a stand alone zone.

Before proceeding with the installation, the heating system design must be considered and the unit correctly sized to meet the heat loss requirements of the room.

Flexible hoses with integral isolating valves can be used to allow easy installation and future access for maintenance.

Flexible hoses with integral isolating valves can be used to allow easy installation and future access for maintenance.

WHISPA III® fan convectors are supplied with integral controls including fan speed selector and summer/winter switch.

In heating mode a low limit thermostat prevents the fan from operating if the heating system water temperature is below 110°F.

In summer mode the fan can be operated to circulate a flow of air without any heat supply.

WHISPA III® units are not designed for use with steam.

WHISPA III® units have different pipe centres and wiring positions than previous WHISPA II® units.

This fan convector can be fitted on a series loop with mono-flo or venturi Tees, on a two pipe system or as a stand alone zone. For optimum fan convector heating performance the system must be capable of providing sufficient hot water through the heat exchanger. This means that:

1. Care must be taken in sizing both the pump and piping. The minimum pipe size from boiler to fan convector must be 1/2" copper tube.
2. Where the unit is fitted on to a system with other emitters, mono-flo Tees or diverter Tees should be used to provide adequate water flow.
3. This unit must not be installed in series in a baseboard loop.
4. The system water must be above 110°F for fan to switch on, and for satisfactory operation the mean water temperature should not be below 140°F.
5. Optimum performance will require effective balancing of the whole system.
6. This unit should not be used to replace a radiator in an existing system unless an adequate flow of water can be guaranteed through the unit.
7. The loop must be pumped. WHISPA III® fan convectors are not suitable for gravity circulation systems.

Heat output performance is given in the Technical Data section of this manual.

Since WHISPA III® units are supplied with fan speed control it is important to size the unit to match the calculated heat loss requirements of the room with the unit operating at the low fan speed.

The higher fan speed can then be used for more rapid heating from cold in extreme conditions.

When establishing the temperature difference, i.e. entering water to room temperature, allowance should be made for temperature drop in the system. It is the water temperature at the fan convector which dictates the output.

This WHISPA III® unit is designed for installation in the cavity beneath cupboards in kitchens or other similar locations on the vacant floor space.

Once installed there must be enough space around the unit to allow air movement.

When installed in a kitchen consideration should be given to storage of perishable goods in the cupboard above.

The unit should be mounted on a clean and level floor area under the cupboard base.

Care must be taken to ensure the installer fully cuts the plinth to allow air movement through the grille.

Before proceeding with the installation, unpack the carton contents and check against the checklist below:
1. WHISPA III® unit.
2. Instruction manual.
4. Screw fixing kit (with grille).
1.0 General Information
- This MYSON WHISPA III® fan convector is designed for installation in the cavity beneath kitchen cupboards on the vacant floor space, or other similar locations.
- No rear access shall be available to the unit after installation.
- MYSON WHISPA III® fan convectors are designed to be used with mono-flo Tees from a series loop, on a two pipe system, or as a stand alone zone.
- Before proceeding with the installation, the heating system design must be considered and the unit correctly sized to meet the heat loss requirements of the room.
- Flexible hoses with integral isolating valves can be used to allow easy installation and future access for maintenance.

2.0 Heating System Design
- This fan convector can be fitted on a series loop with mono-flo or venturi Tees, on a two pipe system or as a stand alone zone.
- For optimum fan convector heating performance the system must be capable of providing sufficient hot water through the heat exchanger. This means that:
  1. Care must be taken in sizing both the pump and piping. The minimum pipe size from boiler to fan convector must be 1/2” copper tube.
  2. Where the unit is fitted on to a system with other emitters, mono-flo Tees or diverter Tees should be used to provide adequate water flow.
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  6. This unit should not be used to replace a radiator in an existing system unless an adequate flow of water can be guaranteed through the unit.
  7. The loop must be pumped. WHISPA III® fan convectors are not suitable for gravity circulation systems.

3.0 Selection and Sizing for Heating
- Heat output performance is given in the Technical Data section of this manual.
- Since WHISPA III® units are supplied with fan speed control it is important to size the unit to match the calculated heat loss requirements of the room with the unit operating at the low fan speed.
- The higher fan speed can then be used for more rapid heating from cold in extreme conditions.
- When establishing the temperature difference, i.e. entering water to room temperature, allowance should be made for temperature drop in the system. It is the water temperature at the fan convector which dictates the output.

4.0 Location
- This WHISPA III® unit is designed for installation in the cavity beneath cupboards in kitchens or other similar locations on the vacant floor space.
- Once installed there must be enough space around the unit to allow air movement.
- When installed in a kitchen consideration should be given to storage of perishable goods in the cupboard above.

5.0 Preparation
- Before proceeding with the installation, unpack the carton contents and check against the checklist below:
  1. WHISPA III® unit.
  2. Instruction manual.
  4. Screw fixing kit (with grille).
5.0 Preparation (continued...)

- A clean and level floor area is required under the cupboard base.
- Floor mounting - WHISPA III® is normally fitted directly onto the floor and the base of the unit is fitted with four mounting feet.
- Decide the position of the WHISPA III®, mark out and cut the plinth to the dimensions of Fig. 1 (floor mounting).

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
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<td>4</td>
</tr>
<tr>
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</tr>
<tr>
<td>9000</td>
<td>22.5</td>
<td>4</td>
</tr>
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</table>

A = Width of cutout  
B = Height of cutout

Note: unit dimensions given in Technical Data section 9.

6.0 Electrical Connection

**WARNING**: This appliance must be grounded.

- The electrical installation must comply with local or national wiring regulations.
- This unit is supplied fitted with 8ft of 18awg cord with plug.

Do not energize the electrical supply until the remaining stages of the installation have been completed.

7.0 Water Connection

For ease of installation and maintenance WHISPA III® units should be installed with flexible hoses, with integral isolating valves. Flexible hoses are supplied only with the WHISPA III EZ units.

**Pipework must be positioned correctly to ensure flexible hoses are not kinked when installed. See Fig. 2.**

- Connect valve ends of the flexible pipes to the WHISPA III®.
- Open valves fully, check pipe connections for leaks and vent the heat exchanger. A vent screw is provided to vent the heat exchanger.
5.0 Preparation (continued...)

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- Floor mounting - WHISPA III® is normally fitted directly onto the floor and the base of the unit is fitted with four mounting feet.
- Decide the position of the WHISPA III®, mark out and cut the plinth to the dimensions of Fig. 1 (floor mounting).

### Table: Dimensions (in)

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<th>Model</th>
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<tr>
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</table>

- A = Width of cutout
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Note: unit dimensions given in Technical Data section 9.

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- Connect valve ends of the flexible pipes to the WHISPA III®.
- Open valves fully, check pipe connections for leaks and vent the heat exchanger. A vent screw is provided to vent the heat exchanger.
8.0 Fitting the WHISPA III®

- Position the WHISPA III® under the cupboard in the required location, with the front edge just behind the line of the plinth.
- Ensure that the flexible hoses are not kinked and that the electrical cord is not in contact with hot surfaces.

- Align the grille and secure it to the unit with two screws supplied (use the shorter screws).
- Secure the unit/grille to the plinth with two screws supplied (use the longer screws).

8.0 Fitting the WHISPA III® (continued...)

- Complete the electrical installation, switch on and test the WHISPA III®.

9.0 Technical Data

WHISPA III® Unit Dimensions

<table>
<thead>
<tr>
<th>Model</th>
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<th>B</th>
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</tr>
<tr>
<td>9000</td>
<td>23 1/4</td>
<td>17 7/16</td>
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</table>
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- Position the WHISPA III® under the cupboard in the required location, with the front edge just behind the line of the plinth.
- Ensure that the flexible hoses are not kinked and that the electrical cord is not in contact with hot surfaces.
- Complete the electrical installation, switch on and test the WHISPA III®.
- Replace the plinth and bring the WHISPA III® forward into the opening so the front edge projects 5/16 inch through the plinth.

8.0 Fitting the WHISPA III® (continued...)

- Complete the electrical installation, switch on and test the WHISPA III®.

9.0 Technical Data

WHISPA III® Unit Dimensions

<table>
<thead>
<tr>
<th>Model</th>
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<td>9000</td>
<td>23 7/16</td>
<td>17 7/16</td>
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</table>

Fig. 5

Fig. 6

Front view of unit

Grille securing screws

Unit securing screws

Fig. 5

Fig. 6

5/16 inch projection

Fig. 3

Align the grille and secure it to the unit with two screws supplied (use the shorter screws).

Secure the unit/grille to the plinth with two screws supplied (use the longer screws).

Switch for fan

Boost

Normal

Summer/Winter switch

Fig. 7

Fig. 8
9.0 Technical Data (continued...)

Heating Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan Setting</th>
<th>Flowrate (US gpm)</th>
<th>Heat Output (Btu/h)</th>
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<td>110</td>
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<tr>
<td>5000</td>
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<td>2040</td>
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<tr>
<td></td>
<td>Normal</td>
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Maximum inlet water temperature 200°F
Heat outputs tested in accordance with BS 4856 Part 1
Supply: 110V AAC 60Hz
Max working pressure: 145psi
Water connections: 1/2" Sweat

Approximate Hydraulic Resistance through Units

<table>
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<tr>
<th>ft wg</th>
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<th>9000</th>
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<td>0.85</td>
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Weight, Water Content and Motor Power

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Power (W)</th>
<th>Water Content (fl oz)</th>
<th>Unit Weight (lbs)</th>
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<tbody>
<tr>
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<tr>
<td>9000</td>
<td>40</td>
<td>11.5</td>
<td>11</td>
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</tbody>
</table>

10.0 Operating Instructions

This unit is controlled by the switches on the front of the unit. Ensure the electricity supply is switched on.

Heating Mode
The fan will only operate when:
- The central heating boiler is on
- The pump is running
- The system water temperature is greater than 110°F.

Ensure boiler is on, and set timer, boiler controls and room thermostats as necessary.
- Turn room thermostat to a high setting.
- Set summer - winter switch to I.
- Set fan speed control position I.
- The unit will now run on low fan speed. For satisfactory operation the mean water temperature should not be below 140°F.

Temperature Control
The room thermostat setting should be gradually adjusted to obtain the desired temperature.
The fan speed can be set to boost by switching the fan speed switch to II.

A low speed setting is recommended for normal operation with the higher speeds for boost heating when required.

Low Limit Operation
The low limit thermostat fitted to the WHISPA III® will ensure that the fan stops after the heating system is switched off and the water flow stops. If left in an operating position the unit will automatically restart when the heating system is reheated.

Off Position
Set the fan speed selector switch to the off (O) position.

Summer Mode
If required, the WHISPA III® can be used in summer for air circulation without heat.
Set summer - winter switch to ☀️.
Adjust fan speed to required setting.

Fig 9 Wiring diagram
9.0 Technical Data (continued...)

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The fan will only operate when:
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Ensure boiler is on, and set timer, boiler controls and room thermostats as necessary.

- Turn room thermostat to a high setting.
- Set summer-winter switch to
- Set fan speed control position I.

The unit will now run on low fan speed. For satisfactory operation the mean water temperature should not be below 140°F.

**Temperature Control**

The room thermostat setting should be gradually adjusted to obtain the desired temperature.

The fan speed can be set to boost by switching the fan speed switch to II.

A low speed setting is recommended for normal operation with the higher speeds for boost heating when required.

**Low Limit Operation**

The low limit thermostat fitted to the WHISPA III® will ensure that the fan stops after the heating system is switched off and the water flow stops. If left in an operating position the unit will automatically restart when the heating system is reheated.

**Off Position**

Set the fan speed selector switch to the off (O) position.

**Summer Mode**

If required, the WHISPA III® can be used in summer for air circulation without heat.

Set summer-winter switch to ...

Adjust fan speed to required setting.

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Set summer-winter switch to ...

Adjust fan speed to required setting.
11.0 Troubleshooting

Once installed this fan convector becomes an integral part of a complete heating system that includes boiler, pump, other emitters such as radiators and fan convectors, and a number of heating controls, dependent on system complexity. An apparent problem with this unit may be the result of system controls being incorrectly set and can be solved easily without calling out your installer or MYSON. Before calling your installer or MYSON, please carry out the checks listed below:

### Problem | Possible Causes | Remedy
--- | --- | ---
**Heating Mode - No Fan** | Room thermostat not calling for heat | Turn up room thermostat
| Unit not switched on at breaker panel | Switch on breaker
| Breaker tripped at panel | Check all wiring, reset breaker
| Water temperature reaching unit below 110°F | Check boiler - Programmer ON
| Boiler ON and set to high | Circulating pump running
| Note: Operation of fan convector can be checked by switching to summer setting

**Heating Mode - Poor heating performance and/or unit cycles on low limit thermostat** | Low water temperature to unit | Turn up boiler thermostat
| Poor water flow | Vent air from heating system

If the fan convector is still faulty after checking the above, call your installer or MYSON.

### Common Installation Faults

For optimum performance, this unit must be correctly sized to match the heat loss requirements of the space it is required to heat, and the heating system must be correctly designed to provide adequate flow of hot water to the unit (see Section 2). If the recommendations in Section 2 are not followed, problems may arise as detailed below:

### Problem | Possible Causes
--- | ---
**Poor heating performance** | Unit incorrectly sized for heat loss of room
**Poor heating performance (unit may cycle on low limit thermostat)** | Boiler thermostat set too low
| Lack of flow to fan convector - | Pump set on low setting
| Isolating valves not fully open | System incorrectly balanced with unit starved of hot water flow
| Pipe sizing to unit too small

12.0 Maintenance

Before undertaking any maintenance activity isolate the electrical supply.

Maintenance should be restricted to occasional removal of dust and lint around the front grille.

This unit should be serviced periodically by a competent person.

This should involve internal cleaning of the heat exchanger using a soft brush or vacuum cleaner, taking care not to damage fan or heat exchanger.

### Spares List

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<th>Description</th>
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<td>1</td>
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<tr>
<td>White Grille, WHISPA III® 9000</td>
<td>5000128</td>
<td>1</td>
</tr>
<tr>
<td>Black Grille, WHISPA III® 5000</td>
<td>5000061</td>
<td>1</td>
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<tr>
<td>Black Grille, WHISPA III® 7000</td>
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</tr>
<tr>
<td>Black Grille, WHISPA III® 9000</td>
<td>5000130</td>
<td>1</td>
</tr>
</tbody>
</table>
11.0 Troubleshooting

Once installed this fan convector becomes an integral part of a complete heating system that includes boiler, pump, other emitters such as radiators and fan convectors, and a number of heating controls, dependent on system complexity. An apparent problem with this unit may be the result of system controls being incorrectly set and can be solved easily without calling out your installer or MYSON. Before calling your installer or MYSON, please carry out the checks listed below.

### Heating Mode - No Fan

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room thermostat not calling for heat</td>
<td>Turn up room thermostat</td>
<td></td>
</tr>
<tr>
<td>Unit not switched on at breaker panel</td>
<td>Switch on breaker</td>
<td></td>
</tr>
<tr>
<td>Breaker tripped at panel</td>
<td>Check all wiring, reset breaker</td>
<td></td>
</tr>
<tr>
<td>Water temperature reaching unit below 110°F</td>
<td>Check boiler - Programmer ON</td>
<td></td>
</tr>
<tr>
<td>Boiler ON and set to high</td>
<td>Circulating pump running</td>
<td></td>
</tr>
</tbody>
</table>

Note: Operation of fan convector can be checked by switching to summer setting

### Heating Mode - Poor heating performance and/or unit cycles on low limit thermostat

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low water temperature to unit</td>
<td>Turn up boiler thermostat</td>
<td></td>
</tr>
<tr>
<td>Poor water flow</td>
<td>Vent air from heating system</td>
<td></td>
</tr>
</tbody>
</table>

If the fan convector is still faulty after checking the above, call your installer or MYSON.

### Common Installation Faults

For optimum performance, this unit must be correctly sized to match the heat loss requirements of the space it is required to heat, and the heating system must be correctly designed to provide adequate flow of hot water to the unit (see Section 2). If the recommendations in Section 2 are not followed, problems may arise as detailed below.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor heating performance</td>
<td>Unit incorrectly sized for heat loss of room</td>
</tr>
</tbody>
</table>

### Heating Mode - Poor heating performance (unit may cycle on low limit thermostat)

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiler thermostat set too low</td>
<td></td>
</tr>
<tr>
<td>Lack of flow to fan convector - Pump set on low setting Isolating valves not fully open</td>
<td></td>
</tr>
<tr>
<td>System incorrectly balanced with unit starved of hot water flow Pipe sizing to unit too small</td>
<td></td>
</tr>
</tbody>
</table>

12.0 Maintenance

Before undertaking any maintenance activity isolate the electrical supply.

Maintenance should be restricted to occasional removal of dust and lint around the front grille.

This unit should be serviced periodically by a competent person.

This should involve internal cleaning of the heat exchanger using a soft brush or vacuum cleaner, taking care not to damage fan or heat exchanger.

<table>
<thead>
<tr>
<th>Spares List</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor / Fan Assembly WHISPA III® 5000</td>
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</tr>
<tr>
<td>Motor / Fan Assembly WHISPA III® 7000</td>
<td>7100089</td>
<td>1</td>
</tr>
<tr>
<td>Motor / Fan Assembly WHISPA III® 9000</td>
<td>7100090</td>
<td>1</td>
</tr>
<tr>
<td>Switch, 3 way</td>
<td>1300025</td>
<td>1</td>
</tr>
<tr>
<td>Switch, 2 way</td>
<td>1300024</td>
<td>1</td>
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<tr>
<td>Low Limit Thermostat</td>
<td>1260007</td>
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</tr>
<tr>
<td>Wiring Harness</td>
<td>3001047</td>
<td>1</td>
</tr>
<tr>
<td>15mm Valve &amp; Flexible Hose</td>
<td>1252007</td>
<td>2</td>
</tr>
<tr>
<td>Brown Grille, WHISPA III® 5000</td>
<td>5000054</td>
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