

**NATIONAL
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Manufacturers & suppliers
of  **monsoon** products

MON-HRU Range

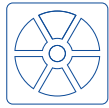
Wholehouse heat recovery systems



- Up to 94% heat recovery
- Lightweight
- Long life, energy saving EC/DC motors
- 2 adjustable speeds
- Fully controllable with a range of sensors and controllers
- Space saving horizontal duct option
- Frost protection/external condensate drain
- Summer mode
- UK manufactured
- Switched live inputs (Light switch)

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**NATIONAL
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MON-HRU 230/100

Wholehouse heat recovery system



- Ultra silent
- Lightweight for easier installation
- Horizontal duct option for space-saving installations
- Fits within a 290mm deep kitchen cupboard
- LS inputs (Light Switch)
- Summer mode

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The Monsoon MON-HRU230/100 wholehouse heat recovery system offers up to 90% energy efficiency. The heat recovery cube is easy to access and is protected by two removable G3 filters. The Energy Saving EC/DC fans ensure long life and low energy use. The unit is fully insulated with a built-in condensation drain.

Meeting the requirements of the Building Regulations Approved Document F for wholehouse system ventilation, the MON-HRU230/100 range has two adjustable speeds; Normal and Boost. There is a controller on the front of the unit that can be used to pre-set the speeds to any required flow within the performance range.

Installation

For ease of installation MON-HRU230/100 can be mounted vertically in a roof space, hallway cupboard or within a kitchen cupboard. When mounted in an unheated area ducting should be insulated. Ducting can be attached to the unit horizontally, vertically or both. Minimum internal depth of kitchen cupboard: 290mm. Left (L) or right (R) hand installation. The unit is supplied with duct spigots to outside on the right hand side. These can be reversed on site by simply removing the control panel, rotating the unit 180 degrees and re-attaching the control panel.

Spigots

The combination of spigot options allows installation in confined locations. Additional spigots can be supplied if vertical and horizontal connections are required on the same outlet/inlet.

LED Filter Notification

There is an LED on the control panel which will remind users to check filters every 6 months.

Frost Protection

The MON-HRU230/100 benefits from an automatic frost protection system to prevent the heat recovery cell freezing in very cold weather, while maintaining ventilation.

Controls

There are two LS (Switched Live) inputs allowing the unit to be connected to a number of sensors and controllers such as PIR sensor, Humidity Sensor. One of the LS connections also benefits from a 'Delay-On' feature which prevents the unit boosting unnecessarily. Switching on the control panel allows activation of the Summer Mode.

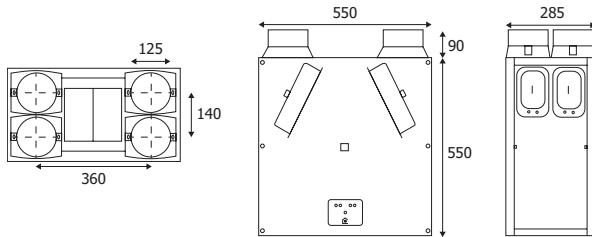
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Models

CODE	DESCRIPTION
MON-HRU/230-100	90% Energy efficient, 230m ³ /h @ 100Pa

Dimensions (mm)



MON-HRU/230-100

CONFIG.	THERMAL EFFICIENCY (%)	SFP (W/L/S)
K + 1	90	0.6
K + 2	90	0.59
K + 3	90	0.68
K + 4	89	0.79
K + 5	90	0.97

SEC Class

MODEL	SEC CLASS
MON-HRU/230-100	A

Accessories

HRU-SPIR - Switched Live PIR Sensor

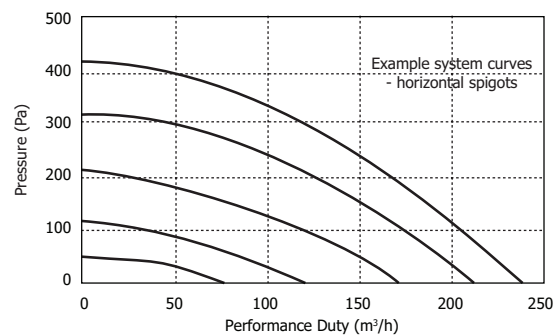
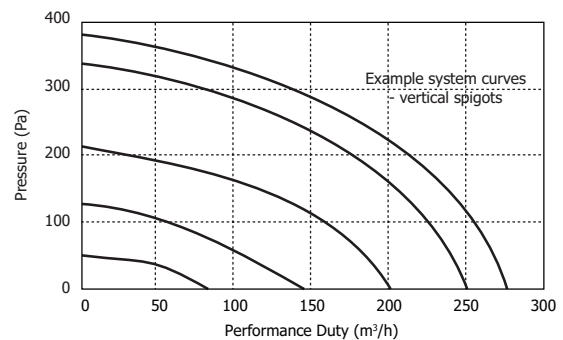


HRU-HVHT - Switched Live Humidistat Sensor



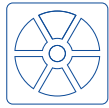
Performance

Fan speeds are fully adjustable within the performance range.



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MON-HRU 330/100

Wholehouse heat recovery system



- Ultra silent
- Lightweight for easier installation
- LS inputs (Light Switch)
- Horizontal duct option for space-saving installations
- Summer mode

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The Monsoon MON-HRU330/100 wholehouse heat recovery system offers up to 90% energy efficiency. The heat recovery cube is easy to access and is protected by two removable G3 filters. The Energy Saving EC/DC fans ensure long life and low energy use. The unit is fully insulated with a built-in condensation drain.

Meeting the requirements of the Building Regulations Approved Document F for wholehouse system ventilation, the MON-HRU330/100 range has two adjustable speeds; Normal and Boost. There is a controller on the front of the unit that can be used to pre-set the speeds to any required flow within the performance range.

Installation

The MON-HRU330/100 can be mounted vertically in a roof space or in an appropriate cupboard within the dwelling. When mounted in an unheated area the ducting and unit must be insulated in accordance with the Domestic Ventilation Compliance Guide. Ducting can be attached to the unit horizontally, vertically or both. Left hand and right hand units are available.

Spigots

The combination of spigot options allows installation in confined locations. Additional spigots can be supplied if vertical and horizontal connections are required on the same outlet/inlet.

LED Filter Notification

There is an LED on the control panel which will remind users to check filters every 6 months.

Frost Protection

The MON-HRU330/100 benefits from an automatic frost protection system to prevent the heat recovery cell freezing in very cold weather, while maintaining ventilation.

Controls

There are two LS (Switched Live) inputs allowing the unit to be connected to a number of sensors and controllers such as PIR sensor, Humidity Sensor. One of the LS connections also benefits from a 'Delay-On' feature which prevents the unit boosting unnecessarily. Switching on the control panel allows activation of the Summer Mode.

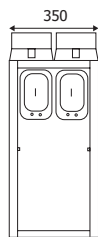
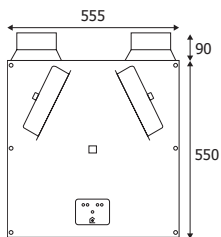
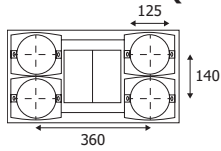
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Model

CODE	DESCRIPTION
MON-HRU/330-100	90% Energy efficient, 330m ³ /h @ 100Pa

Dimensions (mm)



MON-HRU/330-100

CONFIG.	THERMAL EFFICIENCY (%)	SFP (W/L/S)
K + 1	90	0.53
K + 2	89	0.51
K + 3	88	0.56
K + 4	87	0.65
K + 5	85	0.75

SEC Class

MODEL	SEC CLASS
MON-HRU/330-100	A+

Accessories

HRU-SPIR - Switched Live PIR Sensor

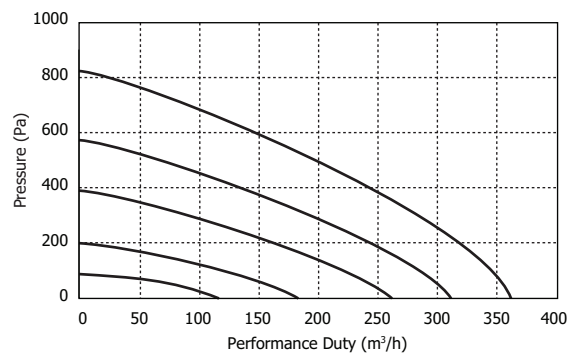


HRU-HVHT - Switched Live Humidistat Sensor



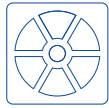
Performance (vertical spigots)

Fan speeds are fully adjustable within the performance range.



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MON-HRU 400/150

Wholehouse heat recovery system



- Lightweight for easier installation
- Easy access filters
- External condensate connection
- Compatible with a range of controls: PIR, Humidistat
- Horizontal duct option for space-saving installations
- Up to 94% heat recovery
- Summer mode
- Switched live inputs (Light switch control)

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The Monsoon MON-HRU400/150 wholehouse heat recovery system offers up to 94% energy efficiency. The heat recovery cube is easy to access and is protected by two removable G3 filters. The Energy Saving EC/DC fans ensure long life and low energy use. The unit is fully insulated with a built-in condensation drain.

Meeting the requirements of the Building Regulations Approved Document F for wholehouse system ventilation, the MON-HRU400/150 range has two adjustable speeds; Normal and Boost. There is a controller on the front of the unit that can be used to pre-set the speeds to any required flow within the performance range.

Installation

The MON-HRU400-150 can be mounted vertically in a roof space or in an appropriate cupboard within the dwelling. When mounted in an unheated area the ducting and unit must be insulated in accordance with the Domestic Ventilation Compliance Guide. Ducting can be attached to the unit horizontally, vertically or both. Left hand and right hand units are available.

Spigots

The combination of spigot options allows installation in confined locations. Additional spigots can be supplied if vertical and horizontal connections are required on the same outlet/inlet.

LED Filter Notification

There is an LED on the control panel which will remind users to check filters every 6 months.

Frost Protection

The MON-HRU400/150 benefits from an automatic frost protection system to prevent the heat recovery cell freezing in very cold weather, while maintaining ventilation.

Controls

There are two LS (Switched Live) inputs allowing the unit to be connected to a number of sensors and controllers such as PIR sensor, Humidity Sensor. One of the LS connections also benefits from a 'Delay-On' feature which prevents the unit boosting unnecessarily. Switching on the control panel allows activation of the Summer Mode.

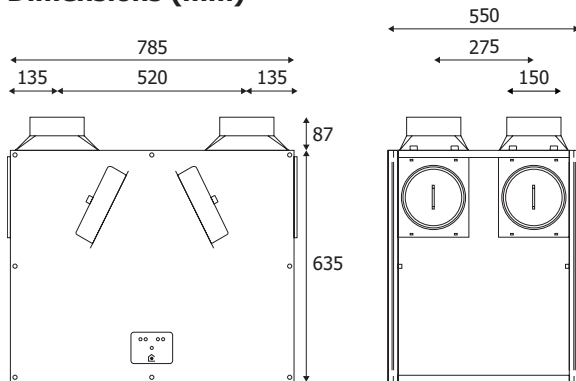
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Model

CODE	DESCRIPTION
MON-HRU/400-150	94% Energy efficient, 400m ³ /h @ 150Pa

Dimensions (mm)



Accessories

HRU-SPIR - Switched Live PIR Sensor

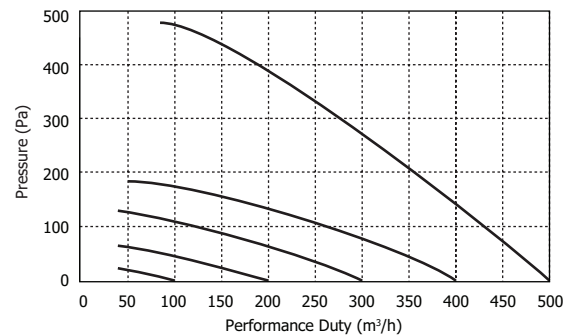


HRU-HVHT - Switched Live Humidistat Sensor



Performance

Fan speeds are fully adjustable within the performance range.



MON-HRU/400-150

CONFIG.	THERMAL EFFICIENCY (%)	SFP (W/L/S)
K + 1	94	0.41
K + 2	94	0.4
K + 3	94	0.43
K + 4	94	0.45
K + 5	93	0.52
K + 6	93	0.61
K + 7	93	0.73

SEC Class

MODEL	SEC CLASS
MON-HRU/400-150	A+

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