

Monsoon Energysaver™ MON-HRU Heat Recovery Range

- Up to 94% heat recovery efficiency
- Adjustable two speed energy saving, long life EC/DC motors as standard
- Fully controllable with a number of sensors and controllers
- Frost protection and external condensation drain
- Lightweight and easy access for maintenance

RECOGNISED IN
SAP PCDB



| CODE | DESCRIPTION |
|-----------------|--|
| MON-HRU/230-100 | 91% Energy efficient (230m ³ /h @ 100Pa) |
| MON-HRU/330-100 | 90% Energy efficient (330m ³ /h @ 100Pa) |
| MON-HRU/400-150 | 94% Energy efficient (400m ³ /h @ 150Pa) |
| HRU-SPIR | PIR controller (Not suitable for use with MON-MEV H) |
| HRU-HVHT | Switched Live Humidistat Sensor |
| HRU/230-G3 | G3 Filter for HRU/230-100 (Pair) |
| HRU/230-M5 | M5 Filter for HRU/230-100 Single Filter |
| HRU/330-G3 | G3 Filter for HRU/330-100 (Pair) |
| HRU/330-M5 | M5 Filters for HRU/330-100 (Packof 2) |
| HRU/400-G3 | G3 Filter for HRU/400-150 (Pair) |
| HRU/400-M5 | M5 Filter for HRU/400-M5 Single Filter |
| HRU-SWITCH | HRU-SWITCH 2 Way 1 Pole Switch 222-8238 |

The Monsoon wholehouse heat recovery system range 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 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, the unit can be mounted vertically in a roof space or in an appropriate cupboard. When mounted in an unheated area ducting must be insulated in accordance with the Domestic Ventilation Compliance Guide. Ducting can be attached to the unit horizontally, vertically or both. Left (L) or right (R) hand installation. The unit is supplied with duct spigots to outside on the right hand side.

MON-HRU230/100 can be mounted in a kitchen cupboard, minimum internal depth: 290mm. 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 unit benefits from an automatic frost protection system to prevent the heat recovery cell freezing in very cold weather, while maintaining ventilation.

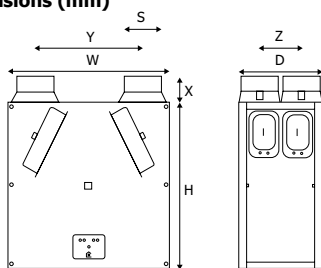
Controls

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.

SEC Class

| MODEL | SEC CLASS |
|-----------------|-----------|
| MON-HRU/230-100 | A |
| MON-HRU/330-100 | A+ |
| MON-HRU/400-150 | A+ |

Dimensions (mm)

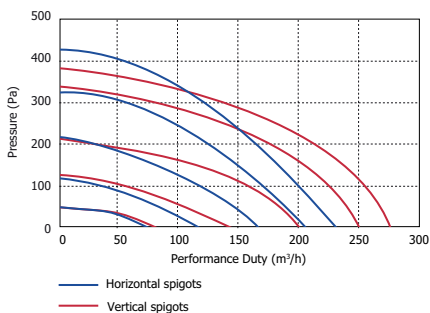


| MODEL | W | H | D | S | X | Y | Z |
|-----------------|-----|-----|-----|-----|----|-----|-----|
| MON-HRU/230-100 | 550 | 550 | 285 | 125 | 90 | 360 | 140 |
| MON-HRU/330-100 | 555 | 550 | 350 | 125 | 90 | 360 | 140 |
| MON-HRU/400-150 | 785 | 635 | 550 | 150 | 87 | 520 | 275 |

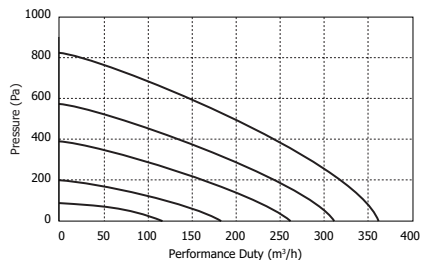
Performance

Fan speeds are fully adjustable within the performance range.

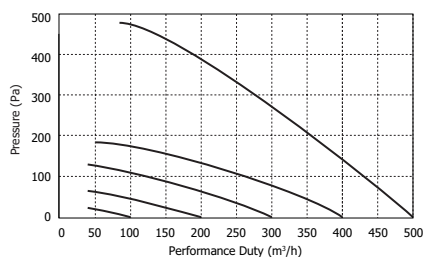
MON-HRU/230-100



MON-HRU/330-100



MON-HRU/400-150



Technical Data

| CONFIG. | THERMAL EFFICIENCY (%) | | | SFP (W/L/S) | | |
|---------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | MON-HRU/230-100 | MON-HRU/330-100 | MON-HRU/400-150 | MON-HRU/230-100 | MON-HRU/330-100 | MON-HRU/400-150 |
| K + 1 | 90 | 90 | 94 | 0.6 | 0.53 | 0.41 |
| K + 2 | 90 | 89 | 94 | 0.59 | 0.51 | 0.4 |
| K + 3 | 90 | 88 | 94 | 0.68 | 0.56 | 0.43 |
| K + 4 | 89 | 87 | 94 | 0.79 | 0.65 | 0.45 |
| K + 5 | 90 | 85 | 93 | 0.97 | 0.75 | 0.52 |
| K + 6 | - | - | 93 | - | - | 0.61 |
| K + 7 | - | - | 93 | - | - | 0.73 |