

Monsoon Energysaver™ IntelliSystem Heat Recovery



- Touch screen and app control
- Easy installation with lightweight unit
- Complete summer bypass
- Wi-Fi connectivity
- Wireless commissioning
- USB Pre-commissioning
- Left/right handing
- Pre-heater & post heater options
- ISO ePM2.5 & ISO ePM10 filter options

CODE	DESCRIPTION
MON-HRU/350-150i	93% Energy efficient, 350m³/h @ 150pa
HRU-DOCK	Docking Kit for Controller
HRU-VF	Volt Free Input for Manual and Automatic Switches
HRU-SL	Switched Live Expansion

The Monsoon Energysaver IntelliSystem heat recovery unit from National Ventilation is the latest energysavingheat recovery solution. Simple and effective it has been designed to provide the maximum level of control and comfort available by continuously supplying and extracting air throughout the home ensuring the best possible consumer experience.

SEC Class

Model	SEC Class
MON-HRU/350-150i	A+

Installation

For ease of installation the MON-HRU/350-150i can be mounted vertically in a roof space, hallway cupboard or within a kitchen cupboard and comes with adjustable wall mounting fittings.

Left (L) or right (R) hand installation is achievable by simply selecting the spigots to atmosphere via the touch screen controller.

Technical Data

FEATURE	VALUE
Supply Voltage	220-240V/1/50Hz
Power (W)	190
Sound @ 3m dB(A)	43
Airstream Temperature	-20°C to 45°C
Weight (kg)	27
Speed	Variable
Speed Controllable	In Built
S.T.O.P. Protection	Yes
Motor IP Rating	IP22

Controls

The Monsoon Energysaver IntelliSystem heat recovery unit has been designed with the customer in mind and comes with number of options for system control.

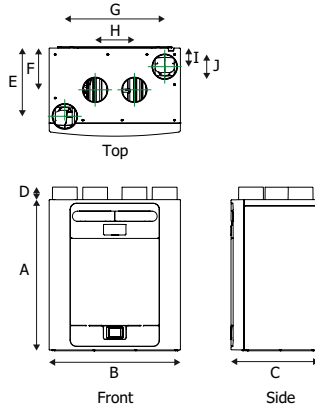
Control Panel: The IntelliSystem control panel on the unit comes with a manual boost switch which is designed to provide an increased level of ventilation when required to eradicate odours or during hot periods during the summer. The unit will operate continuously on a normal mode setting and will boost when one of the control devices, such as the humidistat is activated.

App controlled: Using the App the user can easily view the current air temperatures, check the status of the unit and even have the ability to select different operating modes.

CONFIG.	THERMAL EFFICIENCY%	SFP (W/L/S)
K+1	93	0.38
K+2	93	0.38
K+3	92	0.42
K+4	92	0.50
K+5	91	0.58
K+6	91	0.68
K+7	90	0.82

Group E - Energysaver™ Fans, Systems & Accessories

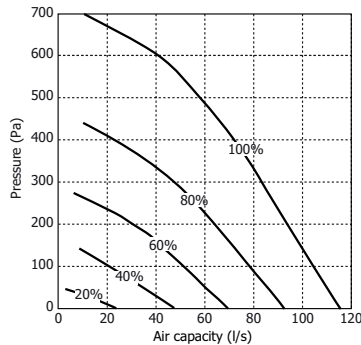
Dimensions (mm)



A	B	C	D	E	F	G	H	I	J	kg
760	660	443	63	343	210	503	197	93	125	27

Packed weight: 32kg

Performance



Sound Spectrum

Speed	Test mode	Octave Band (Hz) Sound Power Levels, dB								LwA	SPL dB(A) @ 3m
		63	125	250	500	1k	2k	4k	8k		
20%	Supply	52.9	50.9	46.8	43.0	34.6	27.1	19.2	25.4	43.9	26.4
	Extract	50.3	49.0	36.0	31.5	23.6	16.1	18.9	25.3	36.4	18.9
	Breakout	34.6	34.8	35.7	34.9	29.6	25.1	21.0	25.3	36.0	15.5
40%	Supply	59.5	56.5	59.4	55.0	48.2	42.6	31.8	26.1	55.9	38.4
	Extract	51.9	51.3	50.4	41.2	35.0	25.3	19.8	25.4	44.8	27.3
	Breakout	40.2	42.6	46.5	45.4	41.0	36.2	25.5	25.3	46.5	26.0
60%	Supply	66.9	62.4	63.3	62.0	57.9	53.5	43.4	34.2	63.2	45.7
	Extract	60.6	60.3	54.2	49.5	44.4	36.2	27.9	26.3	51.7	34.2
	Breakout	45.5	49.8	52.5	53.1	49.7	46.7	36.2	26.9	54.5	34.0
80%	Supply	82.4	67.6	65.2	67.6	64.2	60.8	50.8	43.2	69.2	51.7
	Extract	75.5	68.6	59.3	56.0	48.3	44.2	36.9	31.3	58.6	41.1
	Breakout	59.2	55.0	56.8	60.0	55.4	53.9	44.1	33.4	61.0	40.5
100%	Supply	79.4	69.6	66.6	75.1	64.9	63.6	53.4	45.7	73.7	56.2
	Extract	72.4	70.5	60.5	56.4	49.8	46.3	39.0	33.4	59.5	42.0
	Breakout	63.0	57.1	58.5	63.7	56.8	55.9	46.4	36.2	63.5	43.0

Tested according to BS EN 13141-7:2010. Breakout quoted spherical. Supply and Extract quoted hemispherical. For in-duct data, end reflections are added based on the spigot size of the unit.