

**NATIONAL
VENTILATION**

Manufacturers & suppliers
of  **monsoon** products

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

Call now to find out more: 01823 690 290

www.nationalventilation.co.uk Email: info@nvagroup.co.uk

The Monsoon Energysaver IntelliSystem heat recovery unit from National Ventilation is the latest energy-saving heat 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.

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.

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.

Models available

CODE	DESCRIPTION
MON-HRU/350-150i	93% Energy Efficient, 350m ³ /h @ 150pa

Accessories

CODE	DESCRIPTION
HRU-DOCK	Docking Kit for Controller
HRU-VF	Volt Free Input for Manual and Automatic Switches
HRU-SL	Switched Live Expansion
HRU-AI	Analogue Input for 0-10V Inputs, ie CO ₂ sensor

SEC Class

MODEL	SEC CLASS
MON-HRU/350-150i	A+

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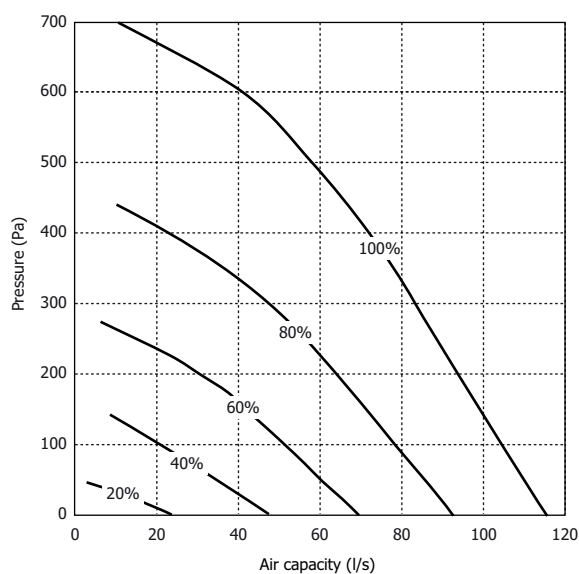
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Technical data

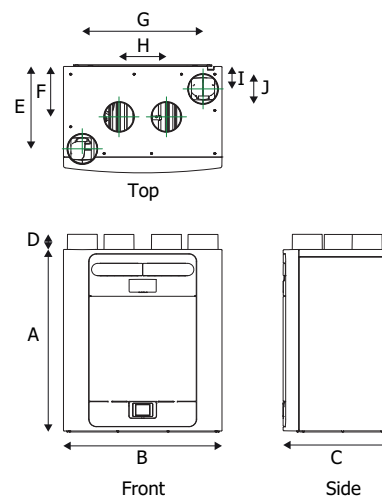
FEATURE	VALUE
Supply Voltage	220-240V/1/50Hz
Power (W)	190
Sound @ 3m dB(A)	43
Airstream Temperature	-20°C to 45°C
Weight (kg)	27
Speed	Variable
Speed Controllable	In Built
S.T.O.P. Protection	Yes
Motor IP Rating	IP22

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

Performance



Dimensions (mm)



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

Sound

Speed	Test mode	Octave Band (Hz) Sound Power Levels, dB								SPL dB(A) @ 3m
		63	125	250	500	1k	2k	4k	8k	
20%	Extract	50.3	49	36	31.5	23.6	16.1	18.9	25.3	18.9
	Supply	52.9	50.9	46.8	43	34.6	27.1	19.2	25.4	26.4
	Breakout	34.6	34.8	35.7	34.9	29.6	25.1	21	25.3	15.5
40%	Extract	51.9	51.3	50.4	41.2	35	25.3	19.8	25.4	27.3
	Supply	59.5	56.5	59.4	55	48.2	42.6	31.8	26.1	38.4
	Breakout	40.2	42.6	46.5	45.4	41	36.2	25.5	25.3	26.0
60%	Extract	60.6	60.3	54.2	49.5	44.4	36.2	27.9	26.3	34.2
	Supply	66.9	62.4	63.3	62	57.9	53.5	43.4	34.2	45.7
	Breakout	45.5	49.8	52.5	53.1	49.7	46.7	36.2	26.9	34.0
80%	Extract	75.5	68.6	59.3	56	48.3	44.2	36.9	31.3	41.1
	Supply	82.4	67.6	65.2	67.6	64.2	60.8	50.8	43.2	51.7
	Breakout	59.2	55	56.8	60	55.4	53.9	44.1	33.4	40.5
100%	Extract	72.4	70.5	60.5	56.4	49.8	46.3	39	33.4	42.0
	Supply	79.4	69.6	66.6	75.1	64.9	63.6	53.4	45.7	56.2
	Breakout	63	57.1	58.5	63.7	56.8	55.9	46.4	36.2	43.0

Tested according to BS EN 13141-7:2010. Breakout quoted spherical. Supply and Extract quoted hemispherical.

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