

# VORT MONO RANGE

SINGLE ROOM HEAT RECOVERY UNIT

## DECENTRALISED VENTILATION WITH HEAT RECOVERY



- Decentralised single room heat recovery unit
- High efficiency, suitable for recessed installation
- Quiet, efficient and energy saving
- Wifi module available
- 5 speeds
- Easy accessible filters
- IPX4 rated



Wi-Fi controlled



Energy efficient



Products with air filtration system

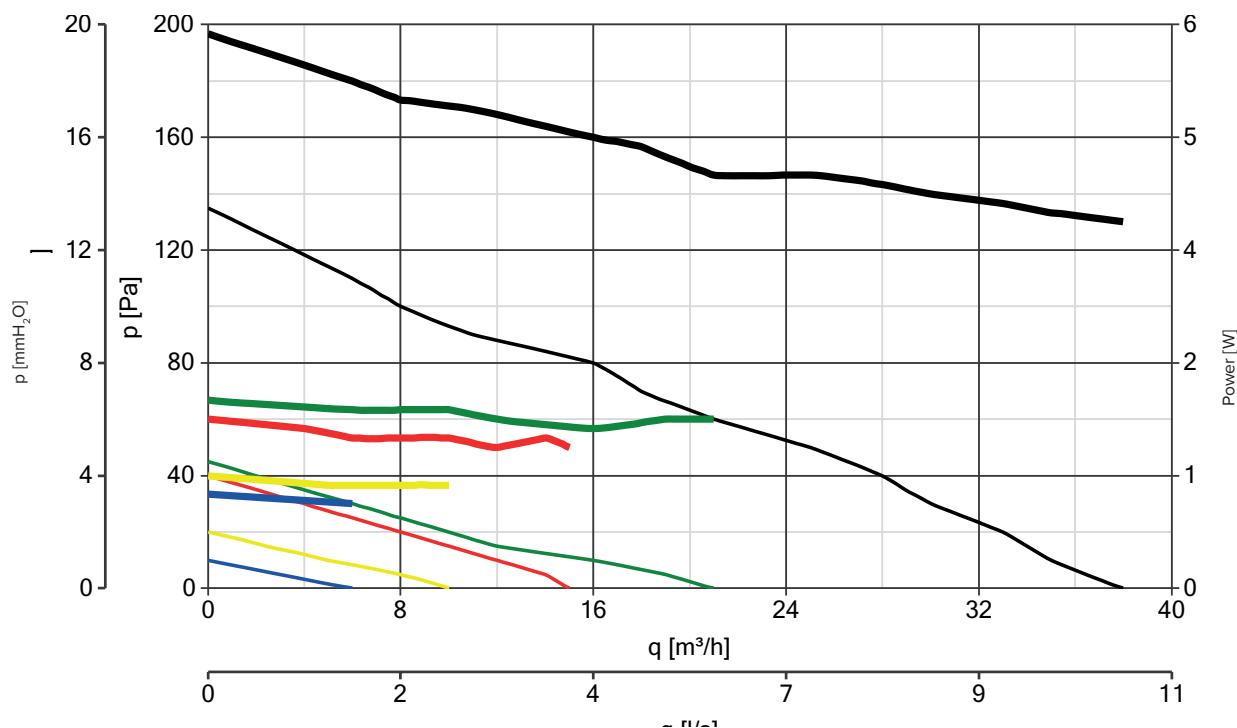


Low noise



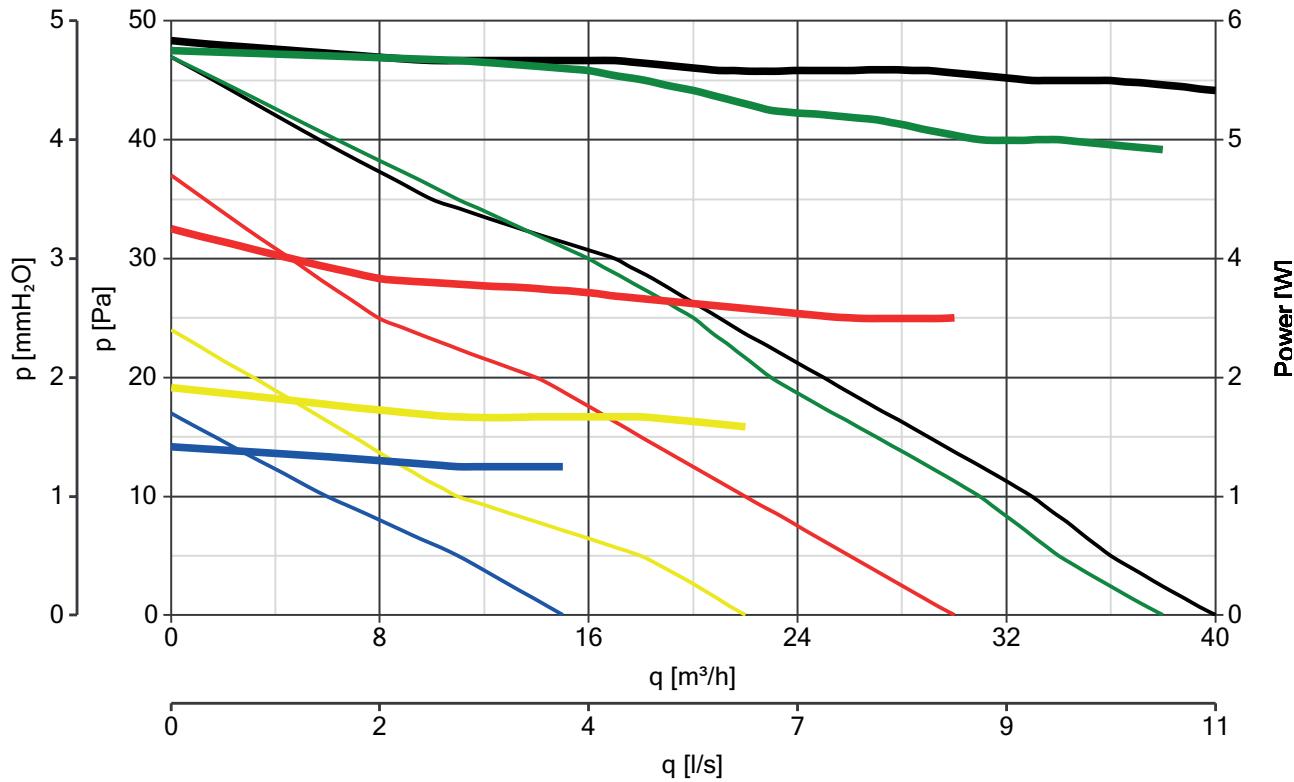
Products equipped with EC Brushless motors

## PERFORMANCE AND ABSORPTION



### LEGEND:

NIGHT MODE	QUIET MODE	PERFORMANCE MODE	HIGH PERFORMANCE MODE	BOOST MODE
Pressure Power	Pressure Power	Pressure Power	Pressure Power	Pressure Power



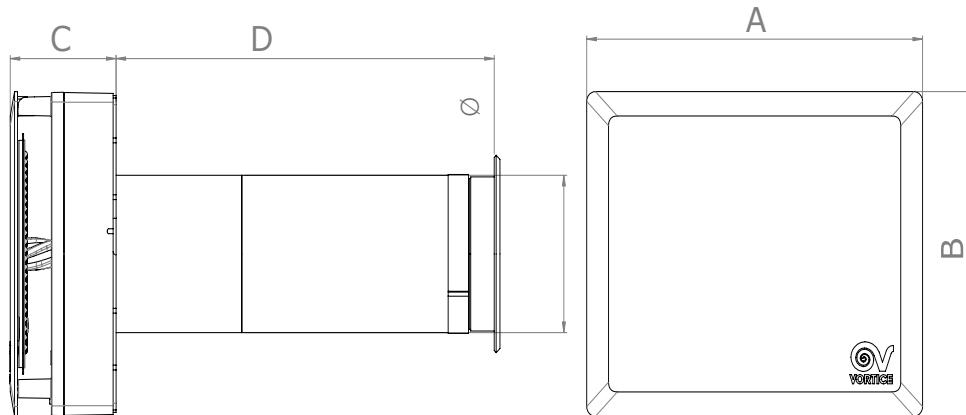
## TECHNICAL DATA

PRODUCTS	CODE	V~50-60HZ	W max	A max	m <sup>3</sup> /h min/max	l/s min/max	mmH <sub>2</sub> O min/max	Pa min/max	LP DB (A) 3m min/max	°C MAX	KG
100	12434	220-240	4	0.04	6 38	1.7 10.5	1 13.7	10 130	19.1 49.2	30	3.1
100 HUMIDISTAT	12436	220-240	4	0.04	6 38	1.7 10.5	1 13.7	10 130	19.1 49.2	30	3.1
100 HUMIDISTAT WIFI	12443	220-240	4	0.04	6 38	1.7 10.5	1 13.7	10 130	19.1 49.2	30	31
150	12435	220-240	5	0.05	15 40	4.2 11.1	1.7 4.8	17 47	19 31.8	30	3.3
150 HUMIDISTAT	12437	220-240	5	0.05	14 40	4.2 11.1	1.7 4.8	17 47	19 31.8	30	3.3
150 HUMIDISTAT WIFI	12444	220-240	5	0.05	14 40	4.2 11.1	1.7 4.8	17 47	19 31.8	30	3.3
150 HIGH POWER	12431	220-240	7	0.07	10 60	2.7 16.7		15 120	19 31.8	30	3.3
150 HIGH POWER HUMIDISTAT WIFI	12432	220-240	7	0.07	10 60	10 60		15 120	19 31.8	30	3.3

**VORT HRW 30 MONO RANGE**  
 DECENTRALISED HEAT RECOVERY WITH ON-BOARD CONTROLS  
 OR WITH REMOTE CONTROL AND HCS SENSOR

## DIMENSIONS

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PRODUCTS	A	B	C	D	Ø
VORT HRW 100	231	200	73	260	97
VORT HRW 150	231	200	73	283	146

Dimensions in mm

## TECHNICAL FEATURES

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- **8 models**, with on-board controls, remote control, and relative humidity, temperature and light sensor
- **Pressed wall casing** made of aesthetic plastic resin, resistant to impacts and ageing induced by light; it integrates controls for switching the appliance on and off, and regulating the operating modes and the treated flow. In the HCS models, it also integrates a relative humidity and light sensor for the automatic operation of the product
- The **fans** used in the products of the VORT MONO RANGE comply with the European ERP Directive no. 2009/125
- **EC motor fans**, to ensure very low consumption, powered by low voltage and with shafts mounted on ball bearings. Featuring 5 operating speeds, for the best compromise between air flow rate, consumption, and noise emission, they are designed to work in a clockwise and anti-clockwise direction, thus allowing the product to operate in the Intake, Ventilation and Ventilation with heat recovery modes
- **High-efficiency (90%) storage heat exchangers**, made of ceramic material of the hexagonal cell type to maximise the heat exchange surface. In winter operation (in summer the logic is reversed), thanks to the periodic inversion of the rotation direction of the motor fan, the exchange pack is cyclically heated by the hot air extracted and subsequently transfers most of this heat to the incoming cold renewal air
- **Grilles** External molded rubber grilles, which can be mounted from the inside through the hole in the target wall, to simplify the installation of the product. The grilles include an easily removable anti-insect net to simplify cleaning operations
- **Washable G3 filters**, easily accessible for maintenance and cleaning. Pre-filters, housed on the internal sides
- **3 operating modes:**
  - **Ventilation with heat recovery:** the fan periodically reverses the direction of rotation to allow the transfer of the flow at a lower temperature than the heat previously accumulated in the exchanger
  - **Ventilation in extraction mode:** the fan always operates in extraction mode
  - **Ventilation in delivery mode:** the fan always operates in delivery mode
- **Electrical insulation class:** II (earthing not required)



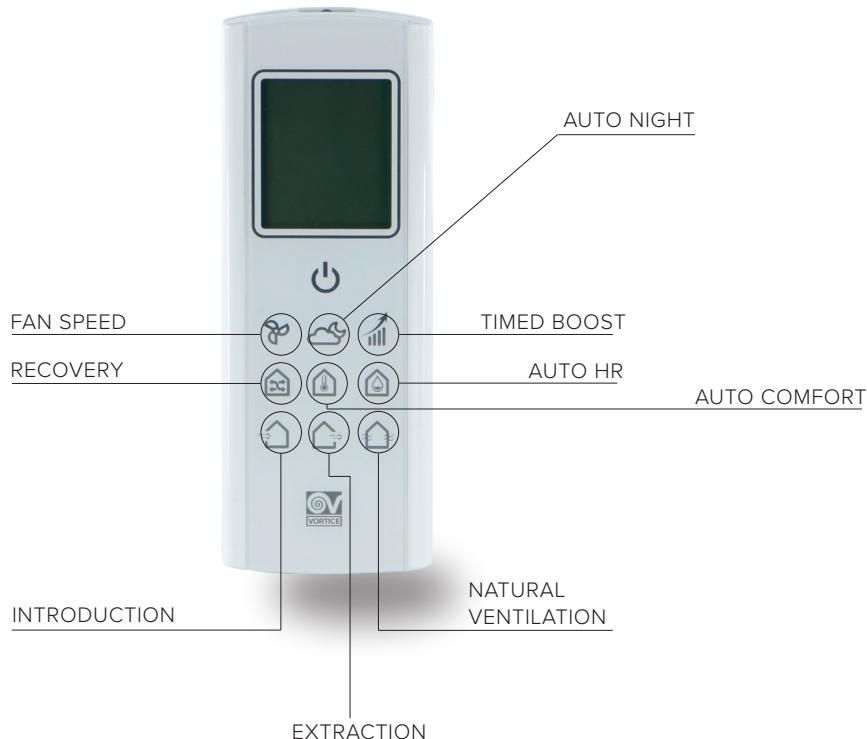
## ACCESSORIES

MODELS	DESCRIPTION	CODE	FOR MODEL
	HRW 30 G3 Filter	21891	12434 12436 12443
	HRW 40/60 G3 Filter	22466	12435 12437 12444 12431 12433
	HRW 30 100 x 700 Wall Liner	21879	12434 12436 12443
	HRW 40/60 160 x 700 Wall Liner	22599	12435 12437 12444 12431 12433

## CONTROLLER INFORMATION

### (FOR HCS MODEL ONLY)

By default the recovery function auto-comfort, auto HR% and auto night modes are active. The humidity threshold is set at the maximum value (90%) and the fan is set at maximum speed to obtain the maximum flow rate (5 fans displayed). The remote control transmits its default status to the product and updates the status on the appliance accordingly. If the status of the machine does not synchronise with the status of the remote control, point the remote control at the appliance and press a button on the remote control to activate the synchronisation.



#### AUTO NIGHT

During periods of darkness (night) the unit is restricted to minimum speed operation by means of an integral light sensor. The higher speed settings, including those activated by means of the HCS sensor (if present), are only available when light is detected by the unit

#### AUTO HR%

When the humidity trigger point is reached the unit automatically enters boost (max) speed. The trigger point can be set at 60%, 75% (default) or 90% relative humidity

#### AUTO COMFORT

The cycle rate of the unit in heat recovery mode is dependent on the temperature of the air. As the supply air temperature cools the cycle time is shortened