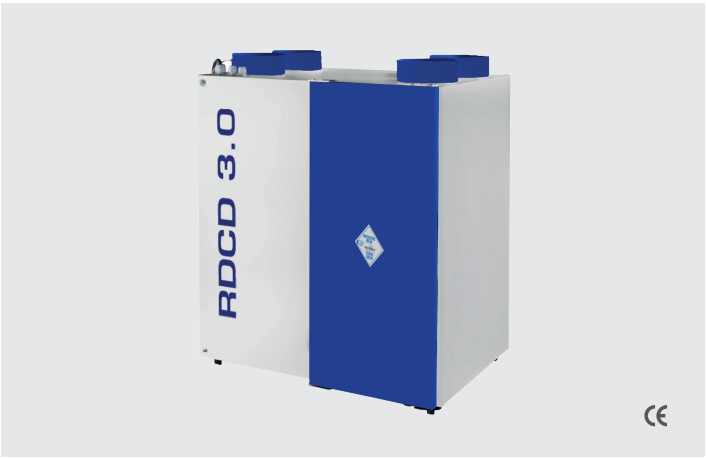
PRICE TWA
ENGINEERED SOLUTIONS



RDCD 3.0

> Domestic HRU
> 90% Efficiency
> Vertical Free Standing

DESCRIPTION

The RDCD 3.0 is a free standing vertical HRV system perfect for larger dwellings. Built internally with EPS and a painted galvanised steel skin c/w our high efficiency heat exchange system, automatic by-pass and EC plug fan as standard.

CONSTRUCTION

Galvanised steel casing. PVC heat exchanger. 37 kg weight.

Options:

- *F7 filter (G4 included as standard)*
- *Touch controls*
- *Humidity control*
- *Air quality control*

MODELS

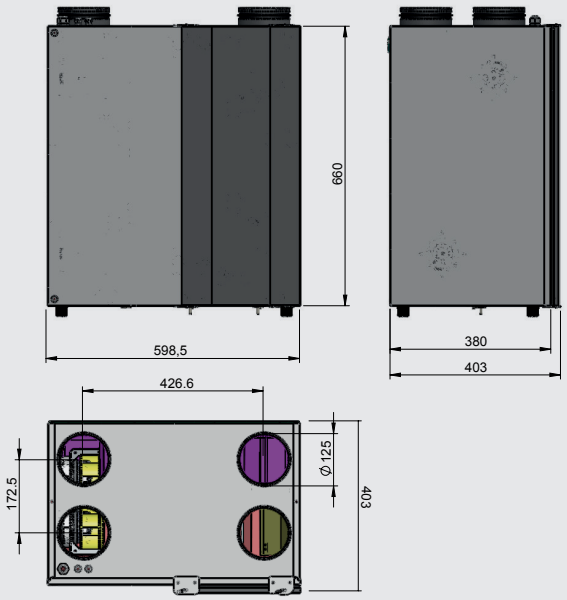
RDCD 3.0
RDCD 5.0

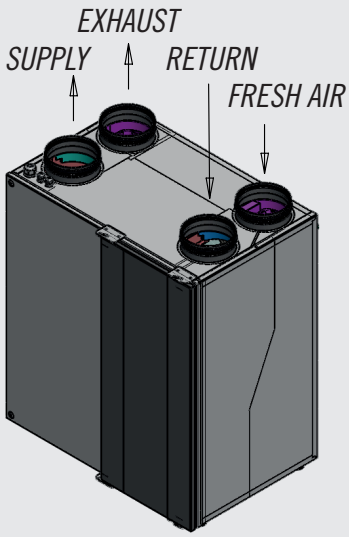
CONTROLS

Modbus, speed, booster and By-Pass controls. Frost Protection and Filter Indicator.

Optional controls include all the above including: *weekly timer, humidity, air quality, single speed fan controls.*

RDCD 3.0





NOTES

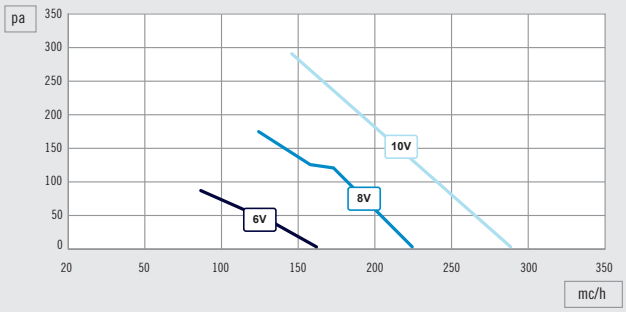
All dimensions are given in mm.

FAN PERFORMANCE	RDCD 3.0
Power consumption (W)	43
Current (A)	0.32
Voltage (V) (HZ)	230V 50Hz

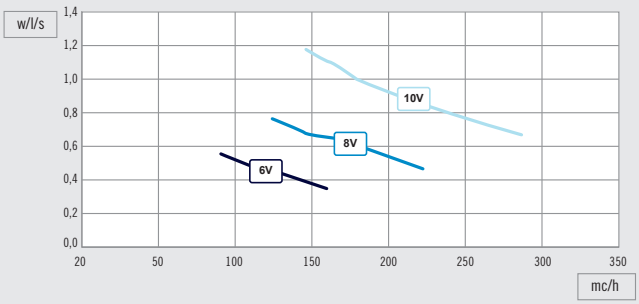
AIR FLOW PERFORMANCE	RDCD 3.0
Nominal air flow (m^3/h)	227
Useful static pressure (Pa)	100

RDCD 3.0 – SELECTION DATA

USEFUL STATIC PRESSURE ①



SPECIFIC FAN POWER ②

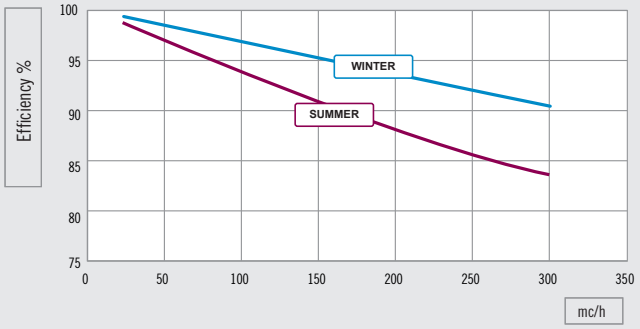


SUMMER EFFICIENCY

Fresh air: 32 °C / 50 % R.H. • Return air: 26 °C / 50 % R.H.

WINTER EFFICIENCY

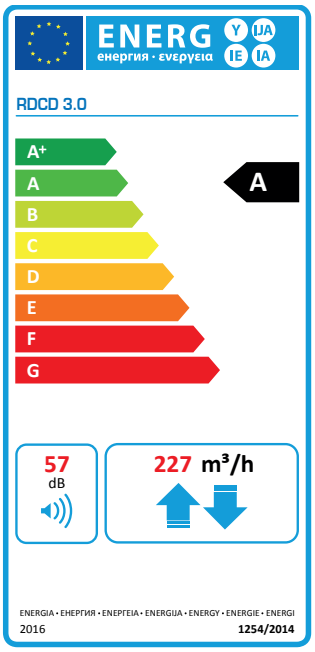
Fresh air: -5 °C / 80 % R.H. • Return air: 20 °C / 50 % R.H.



RADIATED SOUND LEVEL			
VOLT	10	8	6
FREQUECY (HZ)	Lw (dB)	Lw (dB)	Lw (dB)
63	21	18	15
125	27	29	25
250	45	44	43
500	49	48	42
1000	47	44	35
2000	44	42	35
4000	38	36	29
8000	37	34	24

① *DATA WITH STANDARD G4 FILTERS*
② *DATA FOR SINGLE FAN*

MODEL OPTIONS INSTALLED	RDCD 3.0		
Climate Reference	Temp.	Cold	Hot
SEC in [kWh/(m²a)]	-34.72	-71.65	-10.95
SEC Class	A	A+	E
Declared Typology	UVR-B Bidirectional		
Type of drive installed	Multi-speed drive		
Type of heat recovery	Recuperative		
Thermal efficiency[1]	85		
Maximum flow rate in [m³/h][2]	227		
Maximum electric Power in [W][3]	106		
Sound Power Level (LWA) in [dB(A)][3]	57.4		
Reference flow rate [m³/h][4]	158.4		
Reference pressure difference in [Pa]	50		
SPI in [W/m³/h][5]	0.289		
Control factor and typology	1		
Declared maximum internal [%][6]	0.8		
Declared maximum external leakage [%][6]	0.5		



1: Efficiency according EN13141-7:2010 at reference flow at 50 Pa;
2: Maximum flow at 100 Pa external pressure;
3: Casing radiation at reference flow rate at 50 Pa external pressure;
4: Reference flow rate is 70% of maximum flow at 50 Pa external pressure according EN13141-7:2010;
5: According EN13141-7:2010 at reference flow rate;
6: According EN13141-7:2010;
SEC: Specific Energy Consumption.