

#30VTS

ventus

COMPACT
2019



www.vtsgroup.com

VENTUS COMPACT SUSPENDED AIR HANDLING UNITS



up to **92%**
recovery efficiency



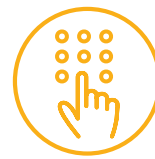
HIGHLY EFFICIENT
HEX COUNTERFLOW
RECOVERY



ENERGY SAVING
AND SILENT
EC MOTORS



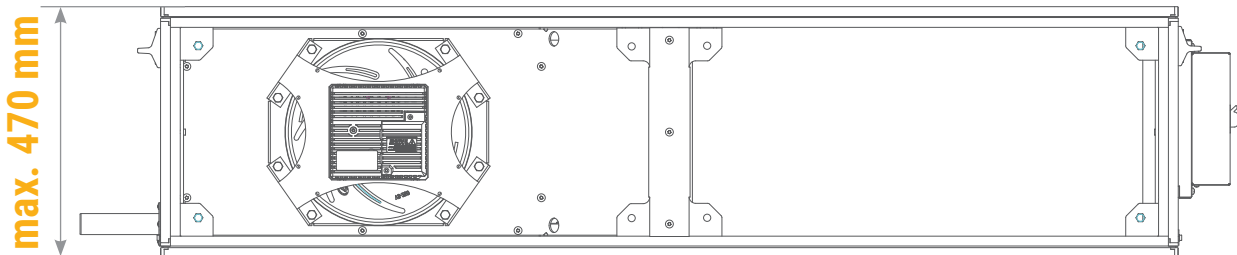
WIRING AND
CONFIGURATION
IN PLUG&PLAY
STANDARD



INTEGRATED
MULTIFUNCTIONAL
CONTROLS



MINI-PLEAT
PANEL
FILTERS



VENTUS COMPACT FLOOR MOUNTED AIR HANDLING UNITS



up to **86%**
recovery efficiency



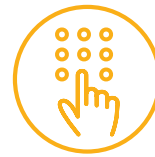
HIGHLY EFFICIENT
ROTARY HEAT WHEELS



ENERGY SAVING
AND SILENT
EC MOTORS



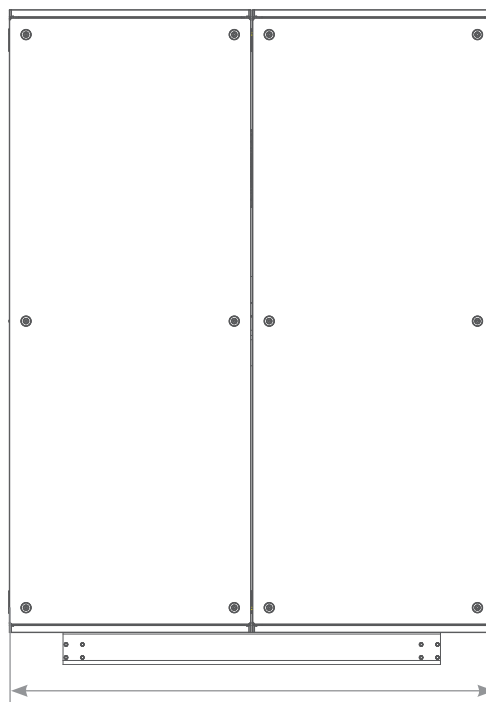
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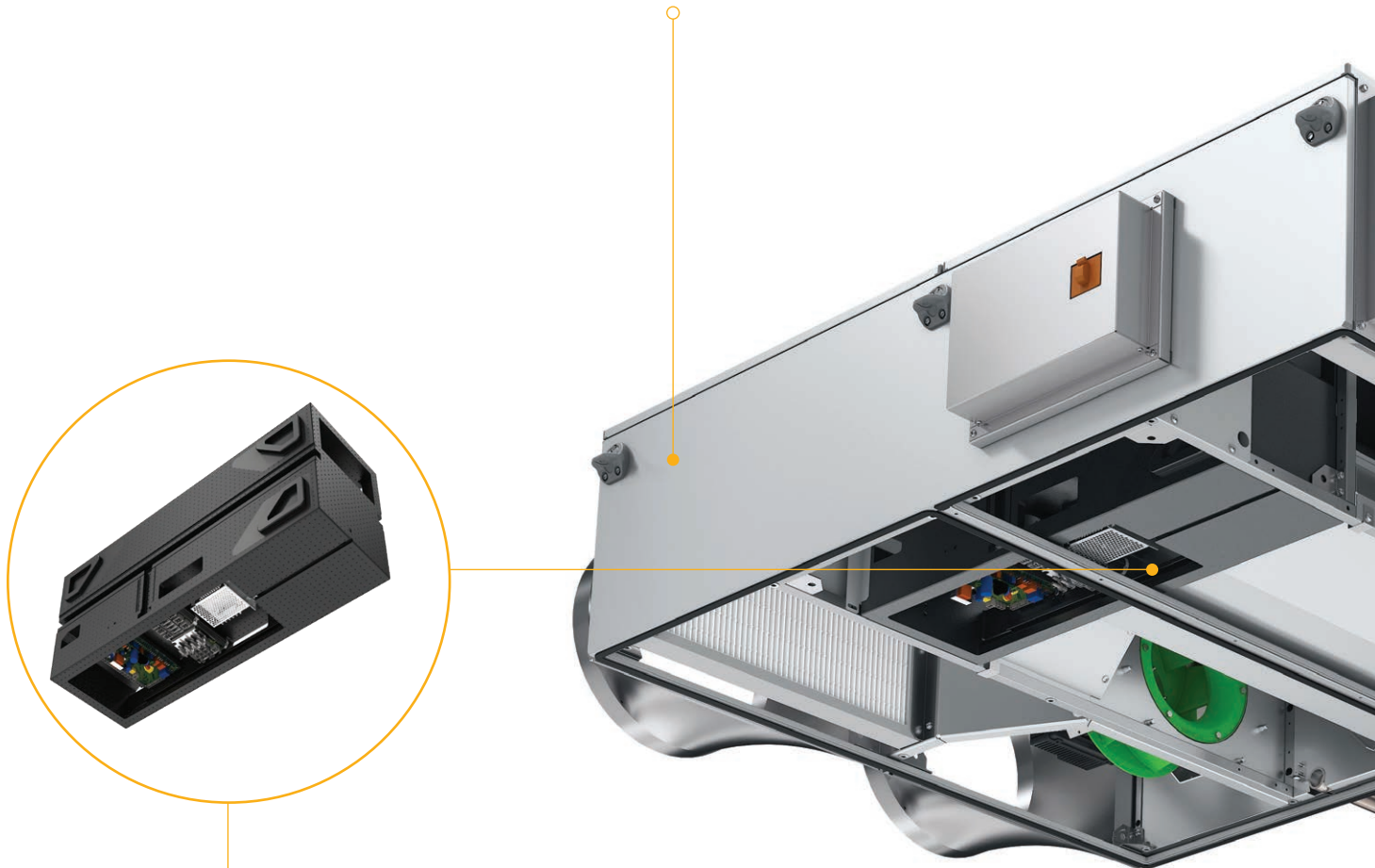


max. 1400 mm

VENTUS COMPACT SUSPENDED AIR HANDLING UNITS

CASING

- » AZ 150 Aluzinc anti-corrosive coating
- » Rounded and square spigots for easy connecting to ventilation ducts



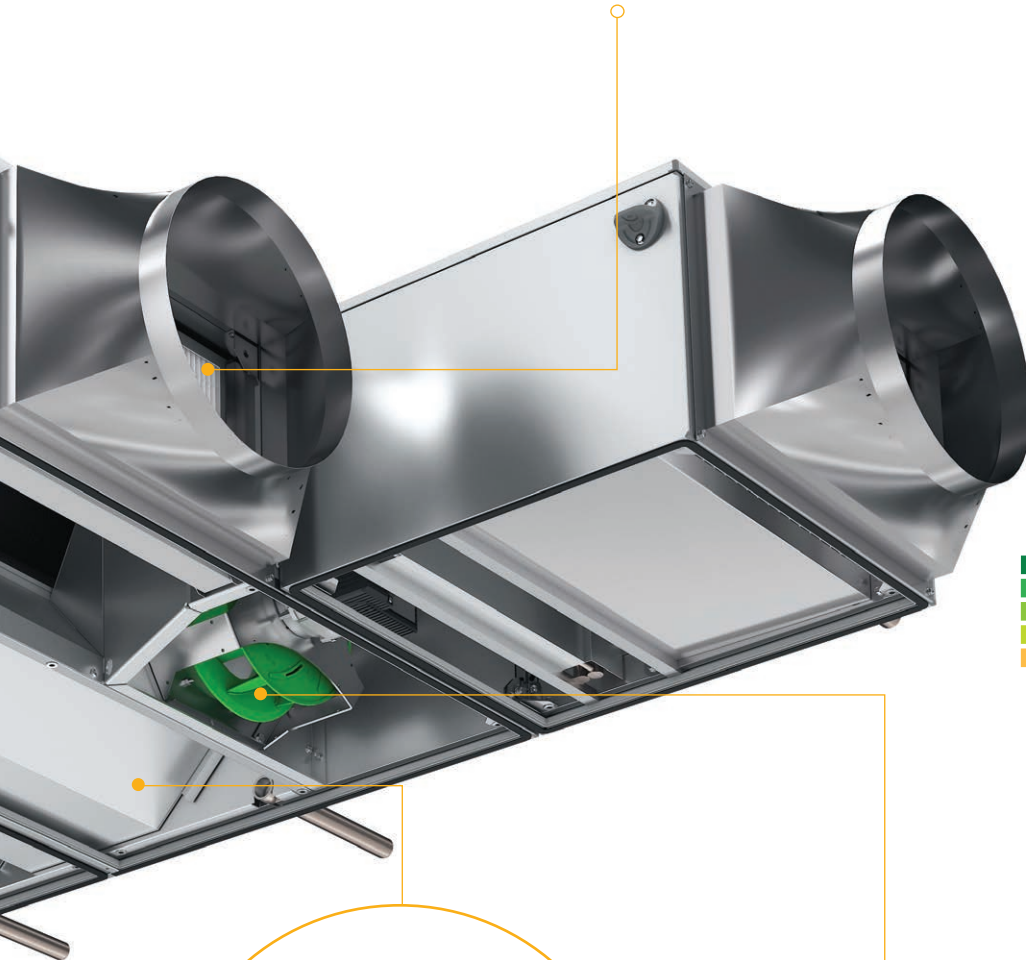
CONTROLS

Multifunctional controls, integrated with the unit – fully pre-configured and ready to run.

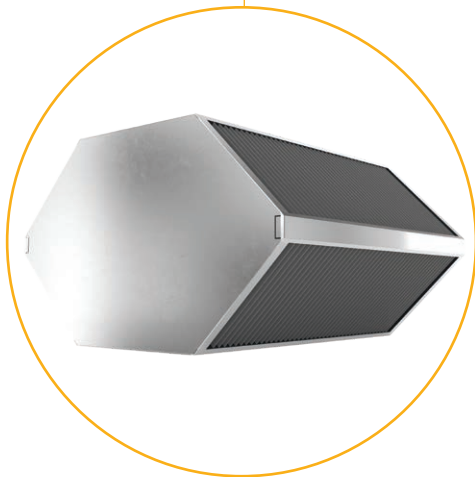
MINI-PLEAT FILTERS

High performance filters with wide active filtration cross-section.

- » Supply - EU 7 class
- » Exhaust - EU 5 class



up to **93%**
drive efficiency



ENERGY RECOVERY

- » Highly efficient counterflow hex recovery with by-pass.
- » Recovery efficiency reaching 92%



EC MOTORS

Efficient, silent and low vibrations fan with class IE4 electronically commutated motor.

VENTUS COMPACT FLOOR-MOUNTED UNITS

CASING

- » AZ 150 Aluzinc anti-corrosive coating



ENERGY RECOVERY

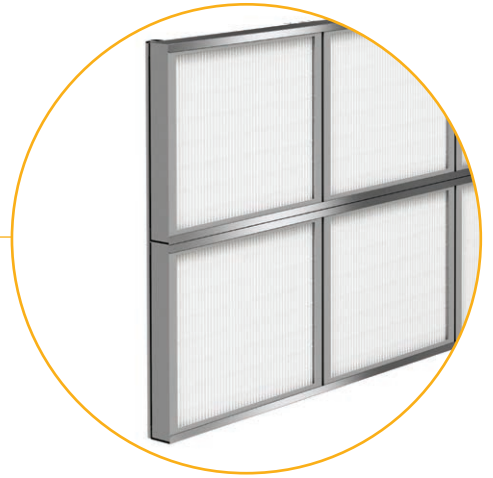
- » Highly efficient rotary heat wheel driven by EC motor.
- » Recovery efficiency reaching 86%



MINI-PLEAT FILTERS

High performance filters with wide active filtration cross-section.

- » Supply - EU 7 class
- » Exhaust - EU 5 class



up to **93%**
drive efficiency



CONTROLS

Multifunctional controls, integrated with the unit – fully pre-configured and ready to run.

EC MOTORS


Efficient, silent and low vibrations fan with class IE4 electronically commutated motor.

VENTUS COMPACT SUSPENDED AIR HANDLING UNITS

Common dimensions for all functions

Unit size	Nominal airflow	Airflow range	Height	Width	Duct connection height	Duct connection width
	[m ³ /h]	[m ³ /h]	[mm]	[mm]	[mm]	[mm]
VVS005s	500	150 - 650	380	790	318	335
VVS010s	1000	300 - 1100	380	1150	318	515
VVS015s	1500	450 - 1650	380	1550	318	715
VVS020s	2000	600 - 2200	470	1610	408	743
VVS030s	3000	900 - 3300	470	2160	408	1018

Lengths of functions

Unit size		F	H	C	HC
	Base unit	Additional air treatment functions			
	[mm]	[mm]	[mm]	[mm]	[mm]
VVS005s	1230	180	180 - 370	370 - 460	460 - 860
VVS010s	1500	180	180 - 370	370 - 460	460 - 860
VVS015s	1500	180	180 - 370	370 - 460	460 - 860
VVS020s	1828	180	180 - 370	370 - 460	460 - 860
VVS030s	1828	180	180 - 370	370 - 460	460 - 860

Duct outfits

Dimension WxH [mm]	VVS005s	VVS010s	VVS015s	VVS020s	VVS030s
Flexible connection	305x288	485x288	685x288	730x375	1005x375
Air damper	305x288	485x288	685x288	730x375	1005x375
Rectangle spigot	330x310/300x300	510x310/400x350	710x310/400x350	740x400/500x400	1015x400/800x400
Rounded spigot	330x310/355	510x310/355	710x310/355	740x400/450	1015x400/450




VENTUS COMPACT FLOOR MOUNTED AIR HANDLING UNITS

Common dimensions for all functions

Unit size	Nominal airflow	Airflow range	Height	Width	Duct connection height	Duct connection width
	[m ³ /h]	[m ³ /h]	[mm]	[mm]	[mm]	[mm]
VVS021c	2100	840 - 2310	991	967	348	861
VVS030c	3000	900 - 3300	1255	967	480	861
VVS040c	4000	1200 - 4400	1255	1174	480	1068
VVS055c	5500	1650 - 6050	1525	1345	615	1239
VVS075c	7500	2250 - 8250	1765	1486	735	1380
VVS100c	10000	3000 - 11000	1965	1666	835	1560
VVS120c	12000	3600 - 13200	2039	1897	872	1791
VVS150c	15000	4500 - 16500	2241	2091	973	1985

Height includes 90 mm base rail

Lengths of base units

Unit size			
	[mm]	[mm]	[mm]
VVS021c	1240	1040	1040
VVS030c	1400	1120	1120
VVS040c	1400	1120	1120
VVS055c	1240	1040	1040
VVS075c	1400	1120	1120
VVS100c	1240	1240	1040
VVS120c	1240	1240	1040
VVS150c	1240	1240	1040

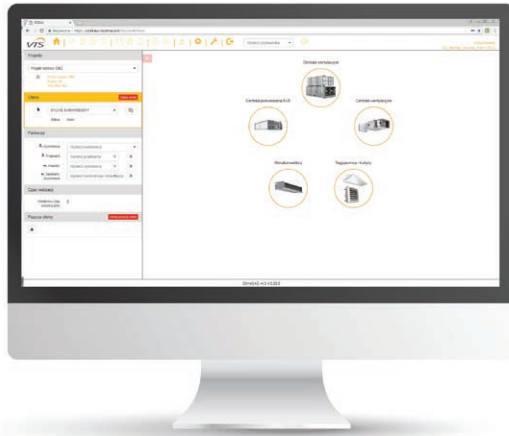
Lengths of additional air treatment functions

Unit size	F	H	C	HC	S	E
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
VVS021c	240	240 - 420	370 - 550	550 - 700	1080	550
VVS030c	240	240 - 420	370 - 550	550 - 700	1080	550
VVS040c	240	240 - 420	370 - 550	550 - 700	1080	550
VVS055c	240	240 - 420	450 - 630	630 - 780	1080	630
VVS075c	240	240 - 420	450 - 630	630 - 780	1080	630
VVS100c	240	240 - 420	650 - 830	830 - 980	1080	650
VVS120c	240	240 - 420	650 - 830	830 - 980	1080	650
VVS150c	240	240 - 420	670 - 850	850 - 1000	1080	670

CLIMACAD ONLINE 4.0 (CCOL 4)

Customized configuration

User friendly interface



Fast&Easy selection

Integrated with CRM, ERP, WMA system

CCOL4 IS ADJUSTED FOR

» all browsers



» all operating systems



» all devices

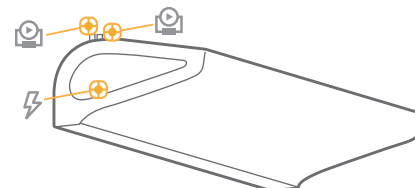
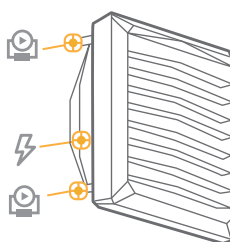
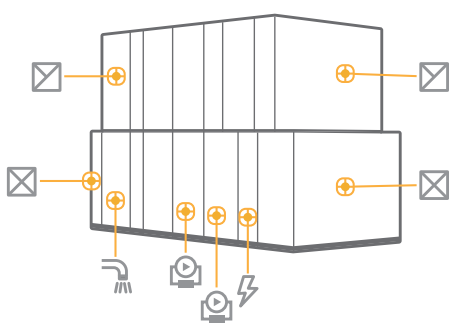
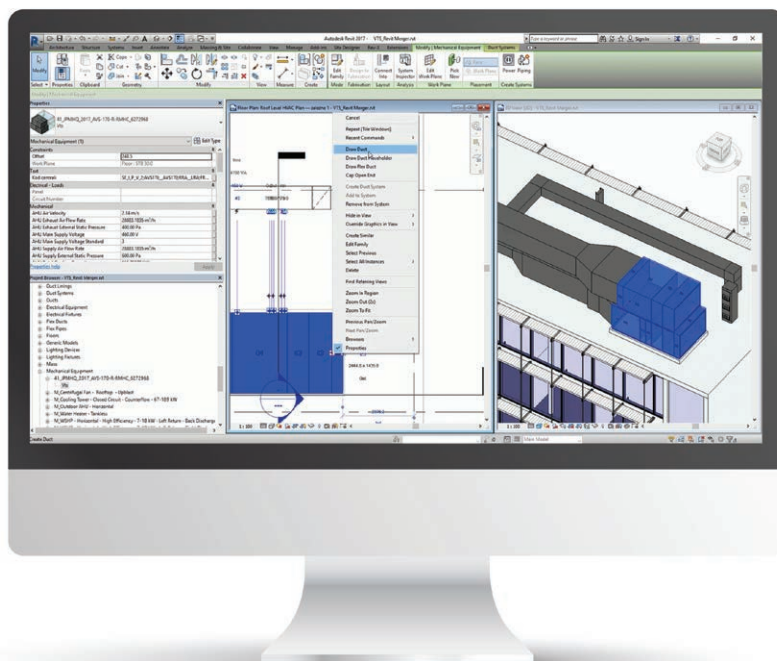


DATA EXPORT TO



VTS BIM - A NEW APPROACH TO DIGITAL MODELS OF AIR-HANDLING UNITS

VTS has created the possibility of generating digital models of VENTUS VS and American VENTUS air-handling models on-line. This is possible thanks to the implementation of a new ClimaCAD OnLine 4.0 selection tool, equipped with .rfa (Revit®) files generator.



Generated objects contain detailed parameters connectors:

- » **air systems,**
- » **hydraulic systems,**
- » **sanitary systems,**
- » **electric systems,**

as well as the complete dimensional data, including unit's maintenance and service (repair) zone.

VTS also provides digital models of WING air curtains and VOLCANO air heaters.

The models contain:

- » **parametrized electric and hydraulic connectors,**
- » **mount options vertically and horizontally,**
- » **presentation of the range of air stream,**
- » **parameter of any inclination angle of an air heater in relation to the horizontal plane.**

Models can be downloaded from: <http://vtsgroup.com/vtsbim.html>



VTS Group Headquarters location and contact

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VTS sp. z o.o. – producer of VENTUS Air handling units
VTS Plant sp. z o.o. – producer of VOLCANO heating unit
and WING air curtain

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Due to continuous improvement of the products, VTS reserves right to implement modifications.
Some of technical data and descriptions may vary from the actual products specification.
Before placing the order, please, confirm all technical specification with VTS sales representative.