

superair.

H E A T
R E C O V E R Y
U N I T

technogen®

s m a r t s o l u t i o n s f o r H V A C

table of contents

04

Superair unit specifications

07

Technical specifications

26

Summary of Tech. Spec.

28

Components

29

Duct Connection Configuration

31

Accessories

Is the air you breathe fresh enough?

Breathe with **technogen** superair.



technogen[®]

smart solutions for HVAC

Heat Recovery Units

Ceiling type heat recovery units are designed to achieve high indoor air quality in addition to providing energy savings.

We now spend the majority of our time indoors. As a result, the significance of air quality in our lives grows even more. The quality of the air we breathe in our homes and businesses has a direct impact on our physical and even mental health.

On the other hand, we all know that energy needs to be used more precisely and efficiently. Due to the scarcity of energy resources and the escalating cost per unit of energy, there is a pressing need to enhance energy efficiency.

Technogen heat recovery units are engineered to operate for extended periods of time, thereby promoting air quality and energy efficiency.

Super air, super efficiency.

Ceiling-mounted heat recovery devices are intended to improve indoor air quality while also saving energy.

The primary objective of heat recovery ventilation devices is to save energy while also improving indoor air quality by performing heat transfer between fresh and exhaust air via a plate heat exchanger.

These sorts of devices are utilized to address the requirement for fresh air in workplaces, banks, offices, hotels, houses, cinemas, fair-exhibition areas, hospitals, multi-purpose halls, restaurants, coffee halls, and other places where such high-density exhaust is required, in addition to its energy-saving advantages.

The devices are available in 9 different airflow models ranging from 800 m³/h to 6.000 m³/h. It transfers most of the energy from the stale air that is exhausted from the inside to the fresh air that is brought in from outside and supplied to the living space. In the devices, components with the most recent technology are used, and electrical and thermal energy efficiency is prioritized. Also the devices are equipped with Eurovent-certified plate heat recovery exchangers and directly coupled plug fans with AC motors, which offer superior efficiency, reduced noise, and energy consumption. Fans are equipped with sparse wings that are backwards curved and feature a wing structure that enhances aerodynamic efficiency.

FUNCTIONS

- Providing fresh air to the indoor environment,
- Removal of dirty air from the indoor environment,
- Filtration of air extracted from the external environment,
- Energy transfer from indoor air to fresh air

ADVANTAGES

- Thermal efficiency with cross-flow plate heat recovery exchanger
- Easy-to-maintain, silent-running AC plug fans
- Standard G4 filter for both exhaust and fresh air lines
- 10mm PU sponge providing sound and heat insulation
- Optional channel connections
- Service covers that allow easy removal of components
- Optional heating-cooling module
- 8 standard models in the range of 800 m³/h – 6.000 m³/h airflow

High efficiency with Eurovent certified heat exchangers

Eurovent-certified heat recovery exchangers provide high thermal efficiency. All of the heat recovery exchangers used in SUPERAIR devices have Eurovent certificates, and their performance has been validated by third-party testing laboratories.

Flexible mounting solution with Alternative duct connection covers

2 different duct connections are available on SUPERAIR units to provide various duct connection options. When required, the direction of the device's connection can be modified via either of these outputs. One or both of them could be used in case of necessity.

G class in compatible with ISO 16890

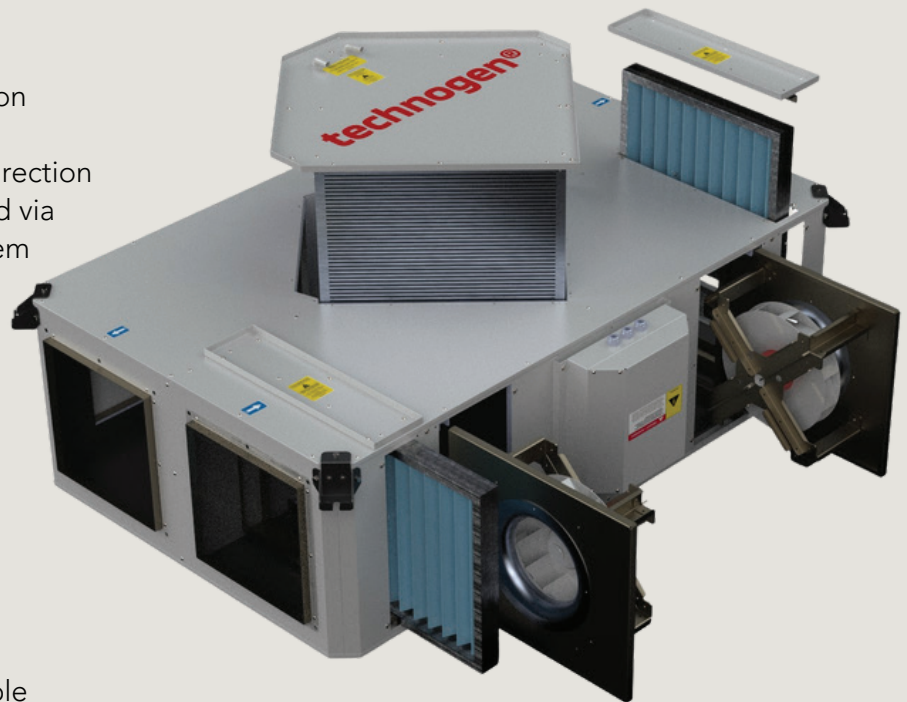
- Leak-Proof Slide Design
- Alternative and easy service opportunity thanks to available bottom and side filter covers

Easy maintenance for all components without demounting of unit

All the components are detachable in case of maintenance needs without demounting of the unit. The unit fans, filters, and heat recovery exchanger are designed to be easily removed and maintained.

Low noise level and high efficiency by using back curved plug fans

Plug fans with back-curved wings provide high efficiency and low noise. With their aerodynamic wing designs, direct-driven plug fans with AC motors utilized in SUPERAIR devices provide high efficiency values. Also they are capable of operating at a high frequency while producing low noise.



Thermal and sound isolation (Flame retardant)

TEVHR units use flame retardant polyurethane foams that provide thermal and sound isolation. Isolation's flame retardant characteristic prevents heat transfer. The heat recovery exchangers, filters, and fans of the TEVHR are accessible via service doors in the false ceiling.

Technical specifications

TEVHR-800R

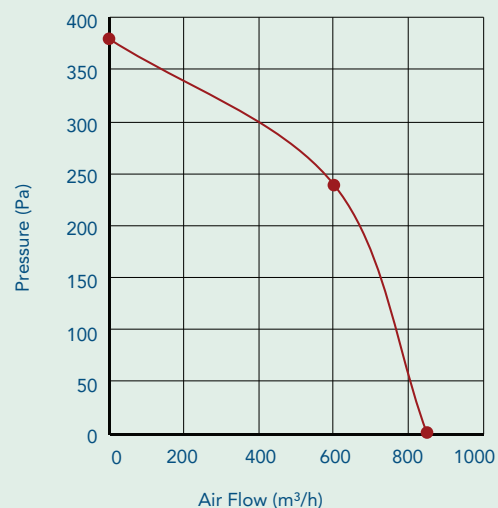
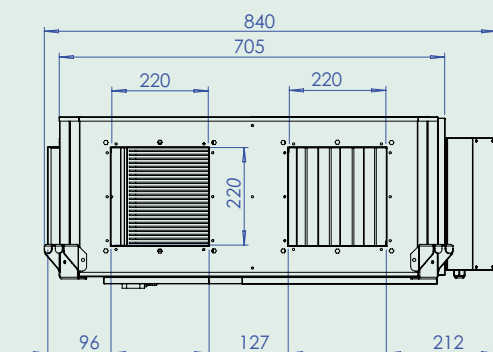
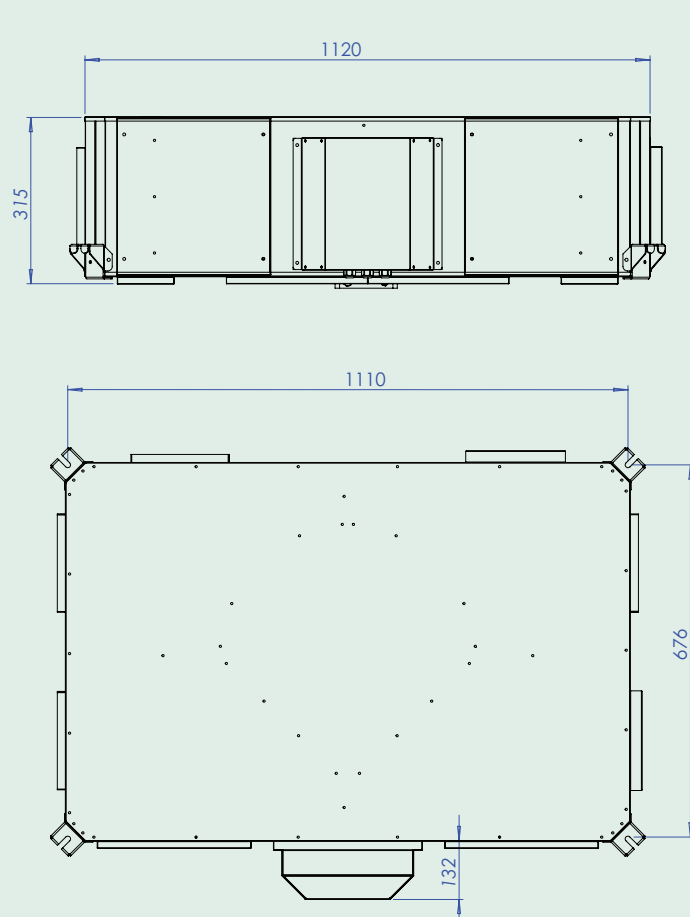
TECHNICAL SPECIFICATIONS

Size	676 × 1.110 × 315 mm (WxDxH)
Weight	60 kg / 132.3 lb.
Sound Level	57 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,27 kW Max Current 1,2 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-800C

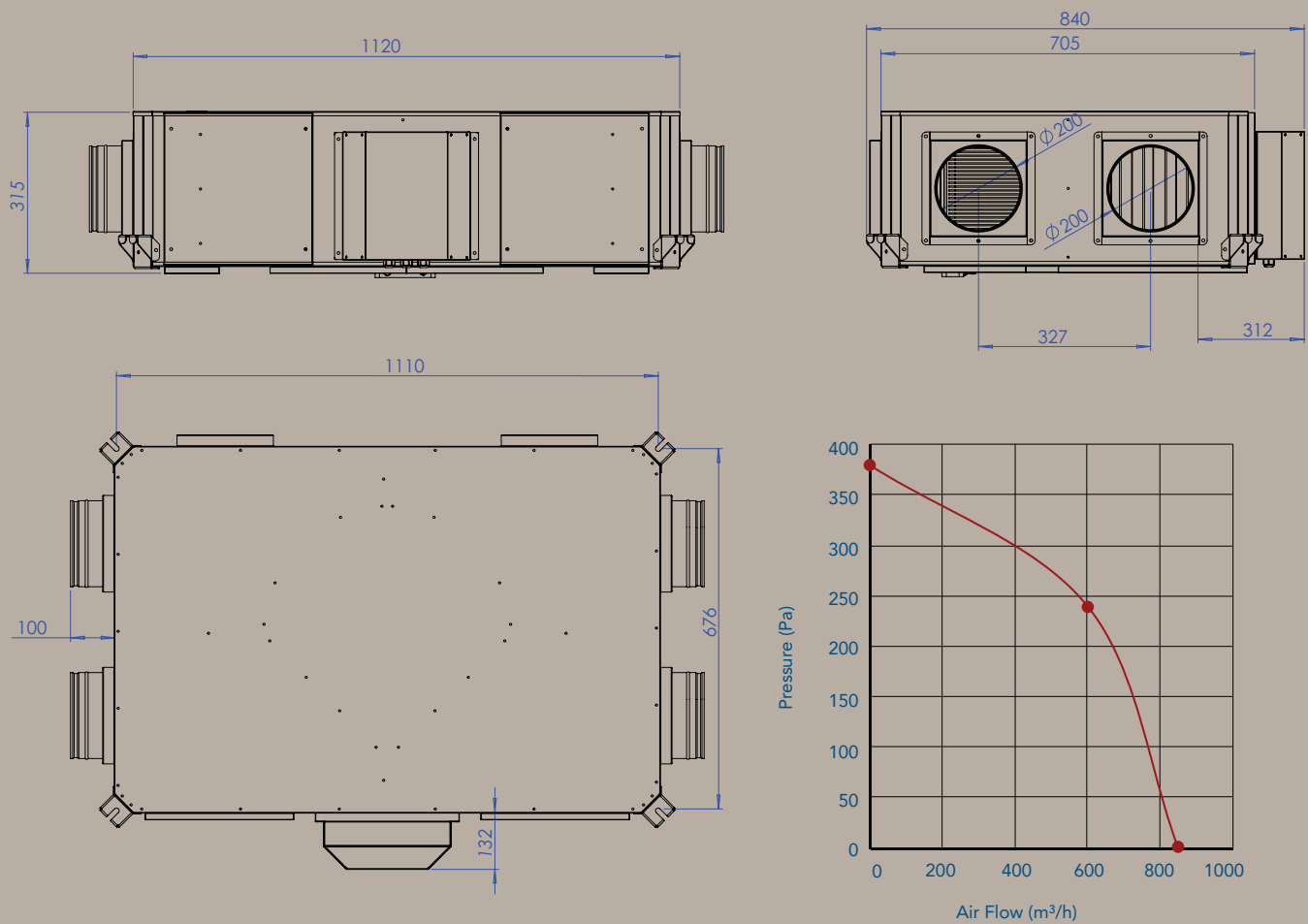
TECHNICAL SPECIFICATIONS

Size	676 × 1.110 × 315 mm (WxDxH)
Weight	60 kg / 132.3 lb.
Sound Level	57 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,27 kW Max Current 1,2 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



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TEVHR-1000R

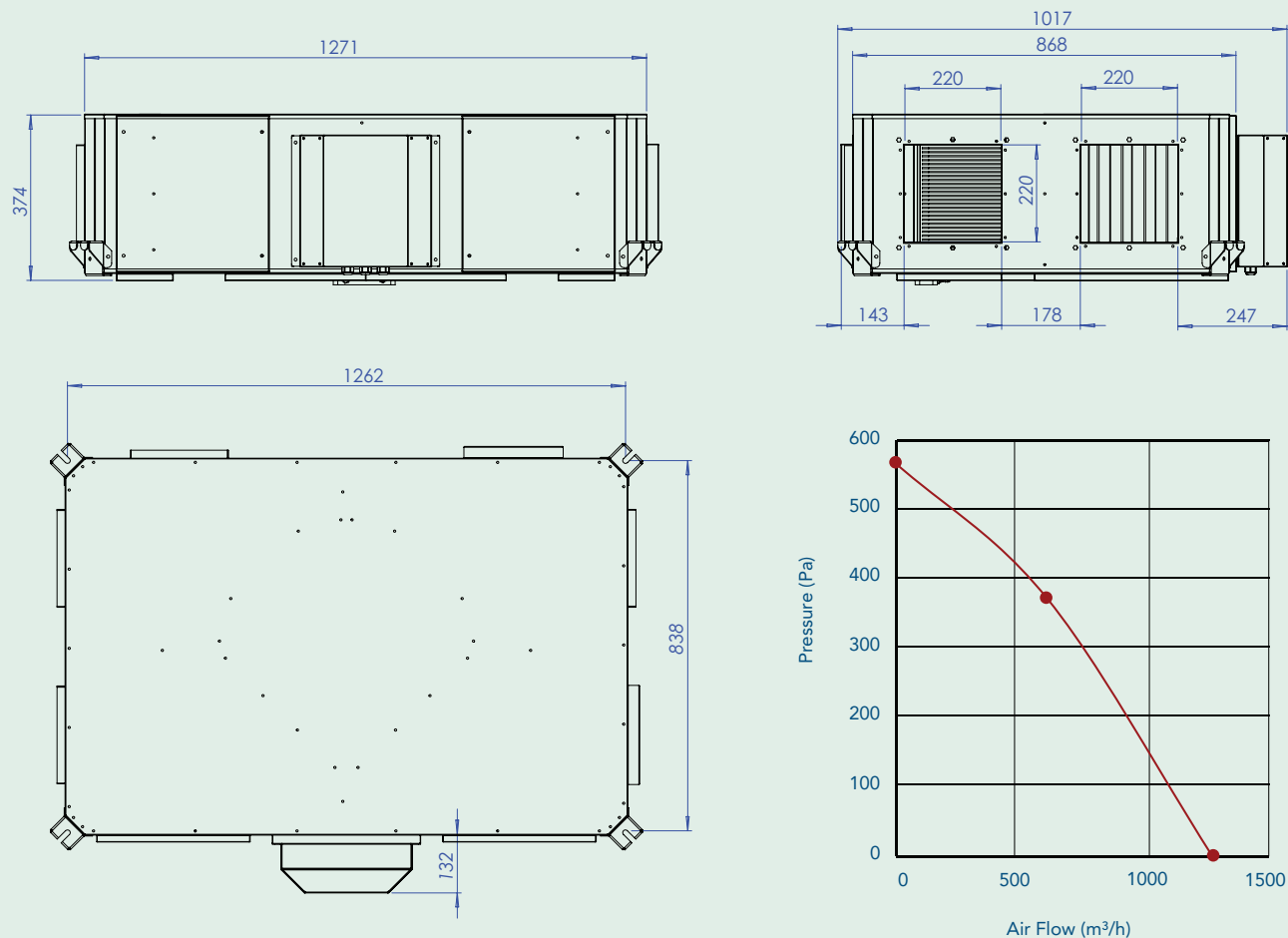
TECHNICAL SPECIFICATIONS

Size	838 × 1.262 × 374 mm (WxDxH)
Weight	75 kg / 165 lb.
Sound Level	59 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,31 kW Max Current 1,4 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-1000C

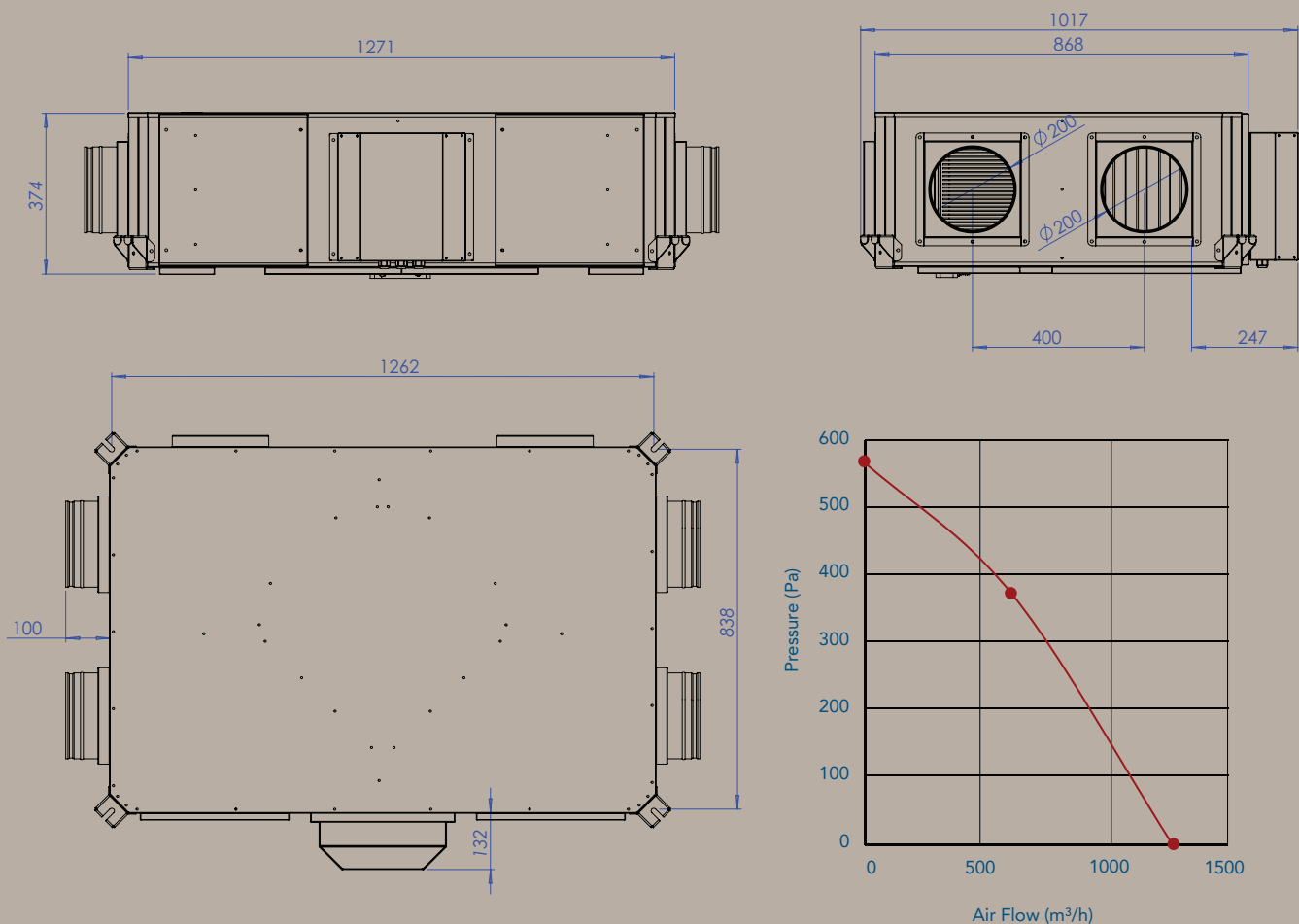
TECHNICAL SPECIFICATIONS

Size	838 × 1.262 × 374 mm (WxDxH)
Weight	75 kg / 165 lb.
Sound Level	59 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,31 kW Max Current 1,4 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



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TEVHR-1500R

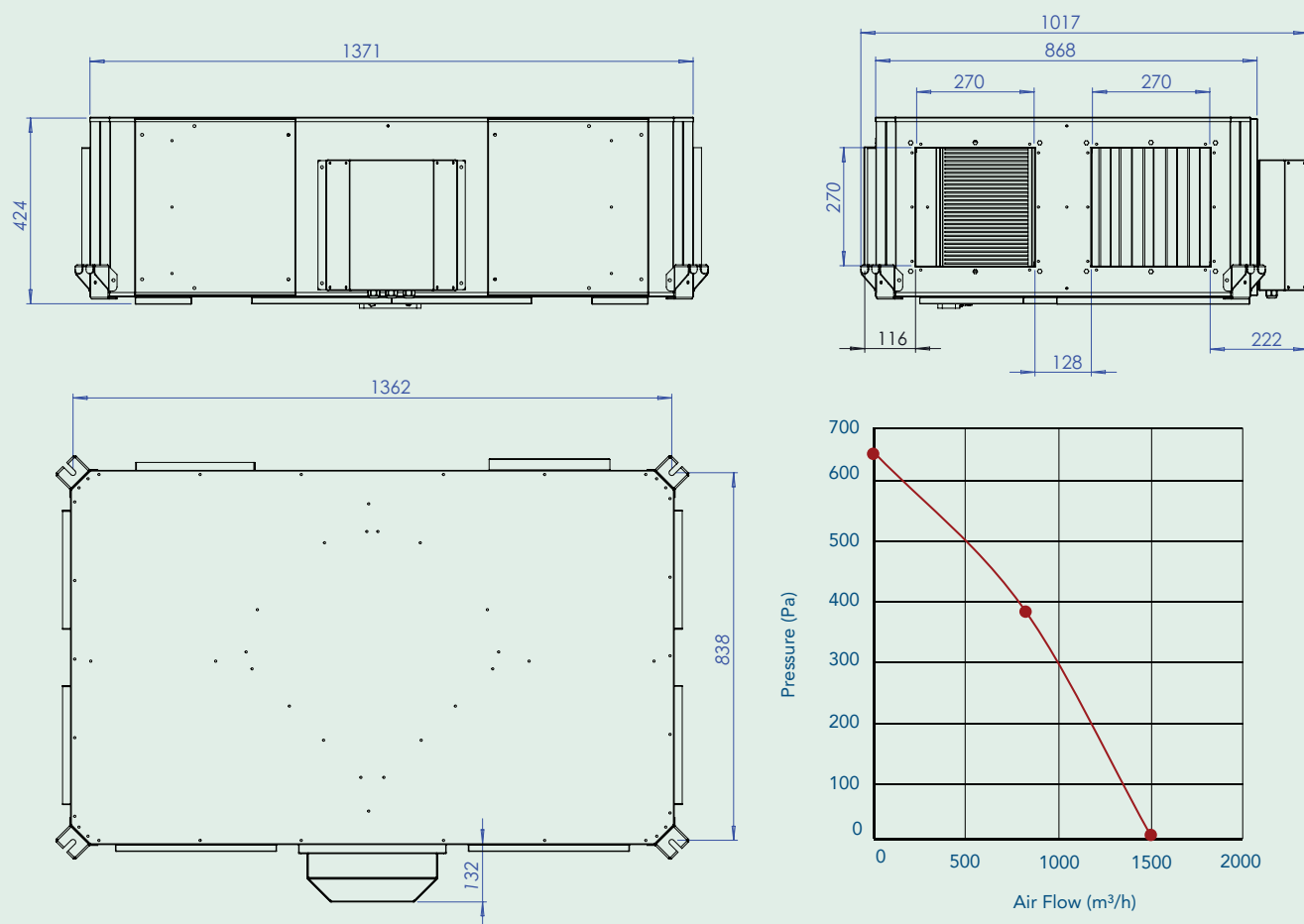
TECHNICAL SPECIFICATIONS

Size	838 × 1.362 × 424 mm (WxDxH)
Weight	85 kg / 187,4 lb.
Sound Level	62 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,45 kW Max Current 2,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



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TEVHR-1500C

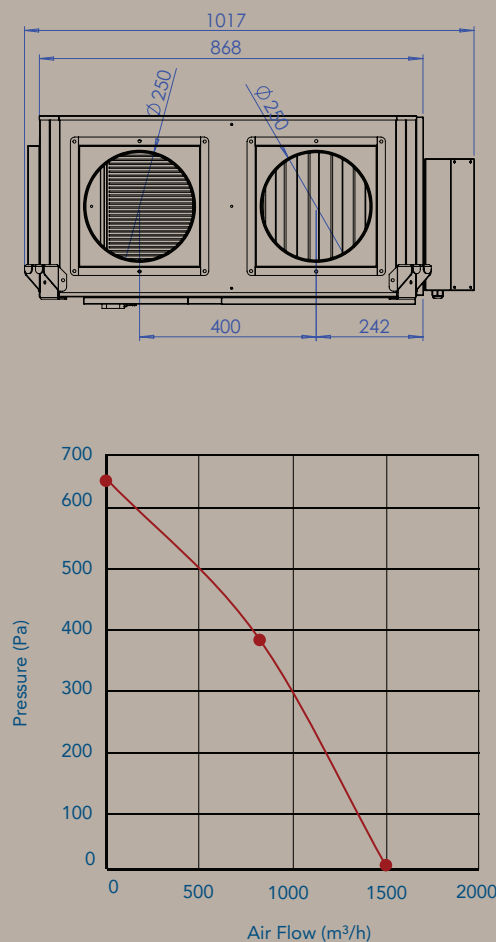
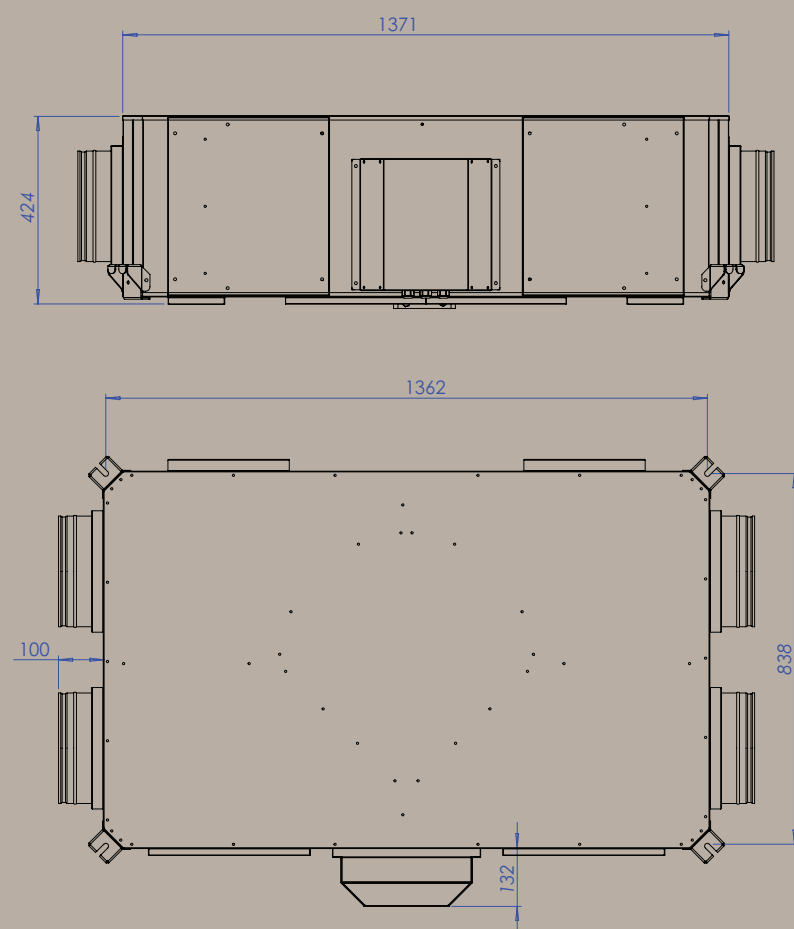
TECHNICAL SPECIFICATIONS

Size	838 × 1.362 × 424 mm (WxDxH)
Weight	85 kg / 187,4 lb.
Sound Level	62 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,45 kW Max Current 2,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



TEVHR-2000R

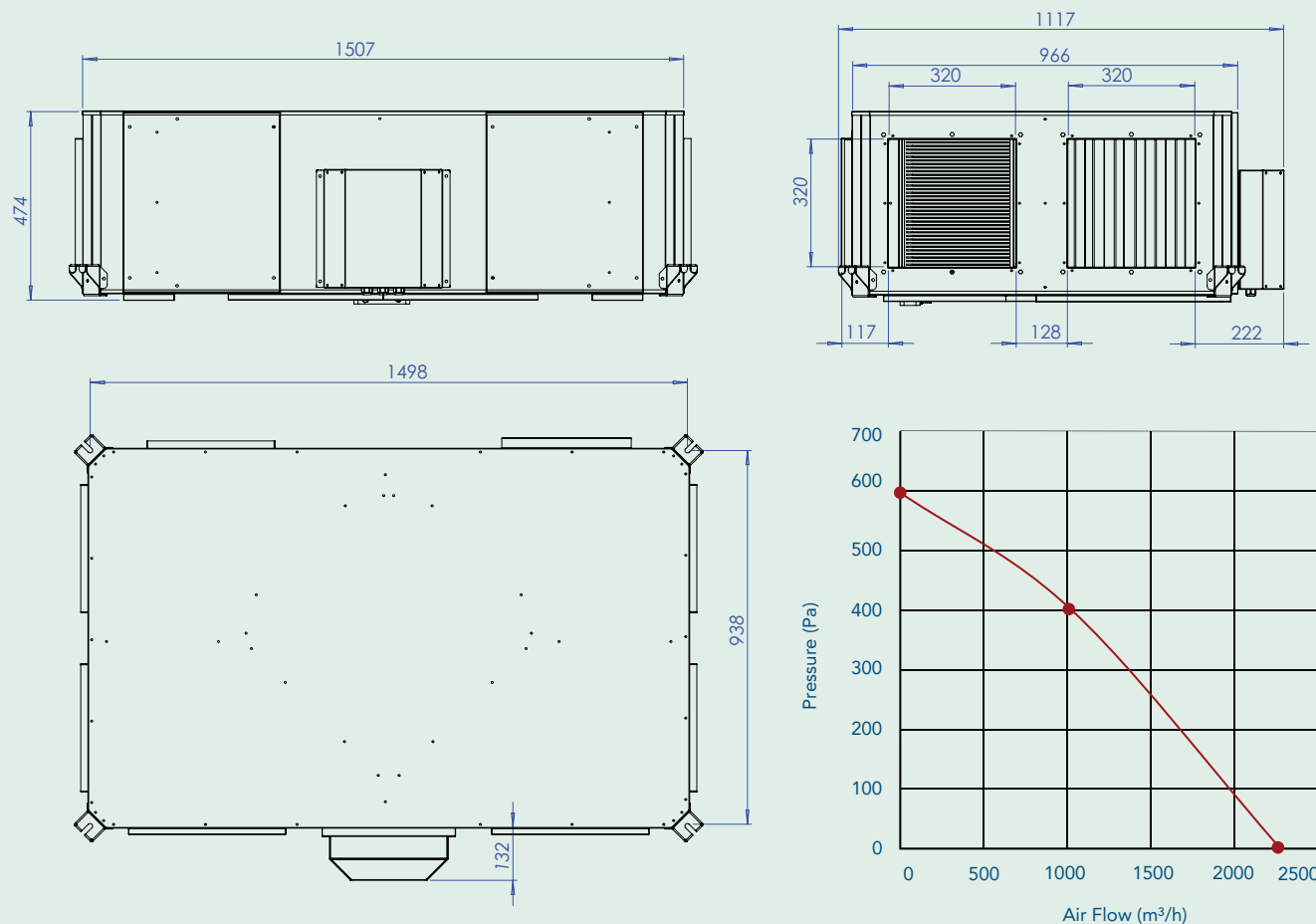
TECHNICAL SPECIFICATIONS

Size	938 × 1.498 × 474 mm (WxDxH)
Weight	110 kg / 142,5 lb.
Sound Level	50 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,45 kW Max Current 2,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x1,5 mm²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



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TEVHR-2000C

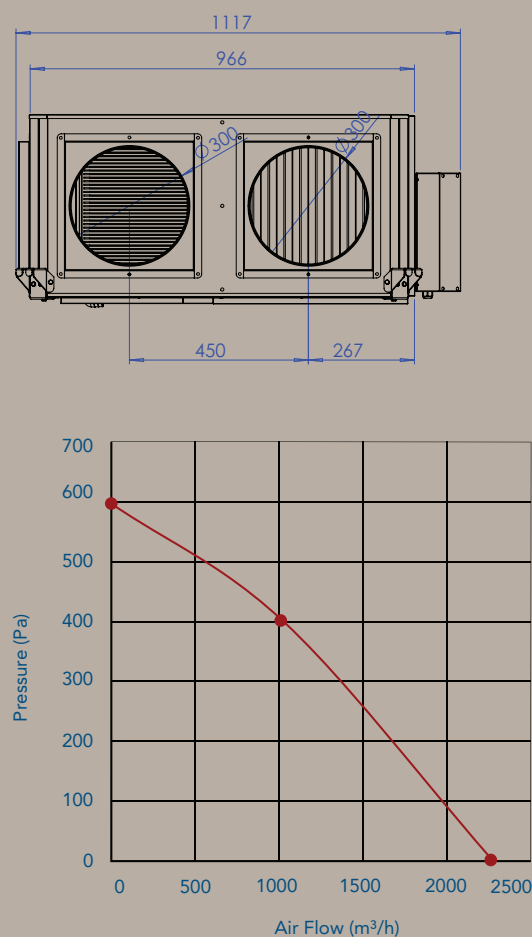
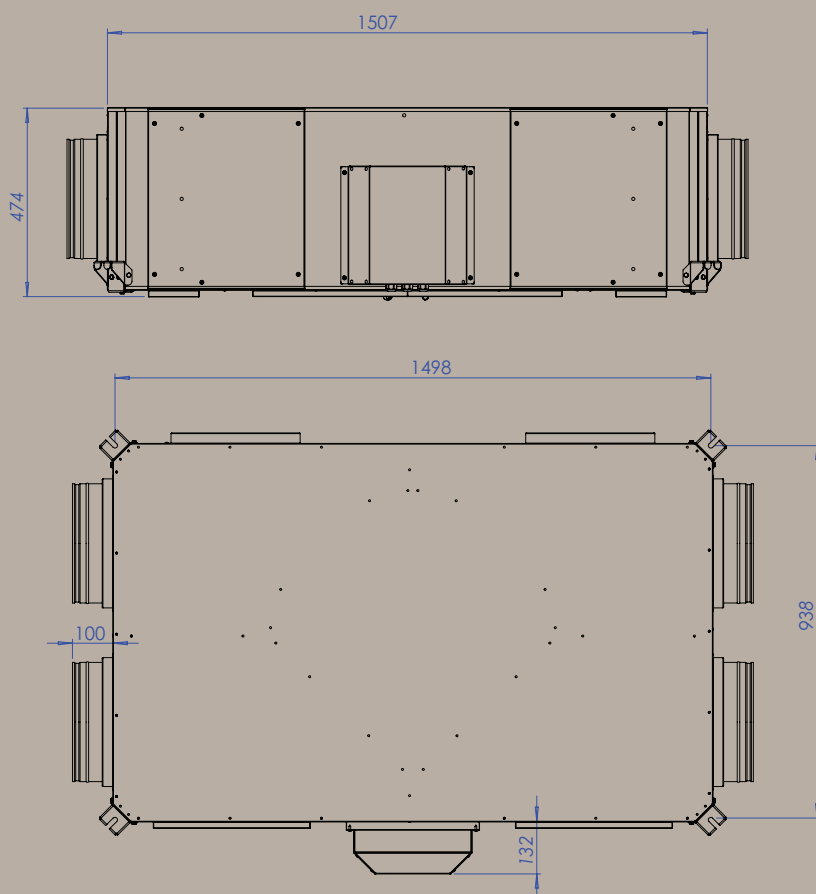
TECHNICAL SPECIFICATIONS

Size	938 × 1.498 × 474 mm (WxDxH)
Weight	110 kg / 142,5 lb.
Sound Level	50 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,45 kW Max Current 2,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-2500R

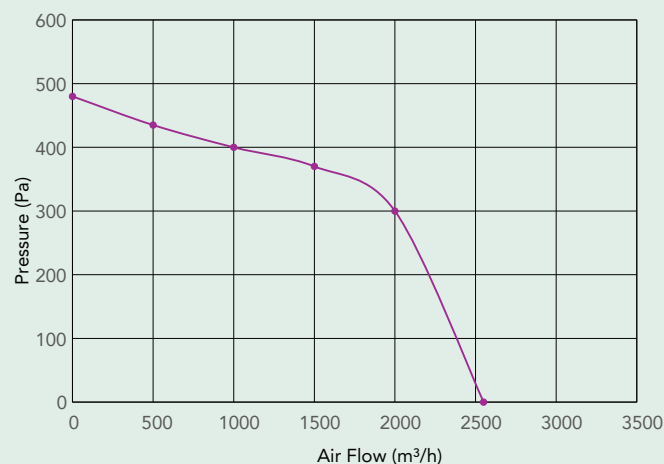
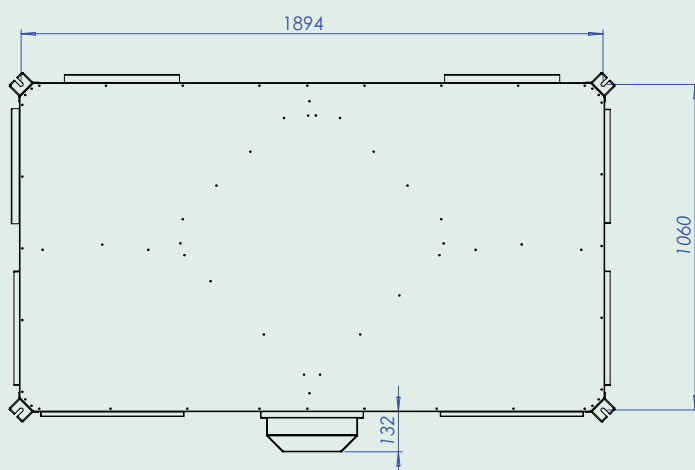
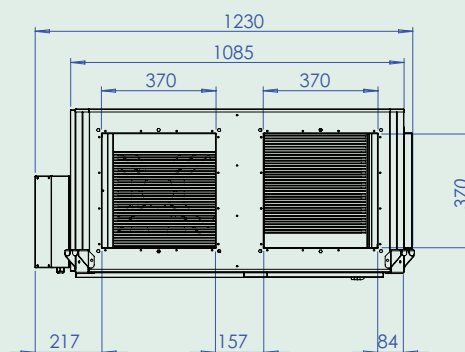
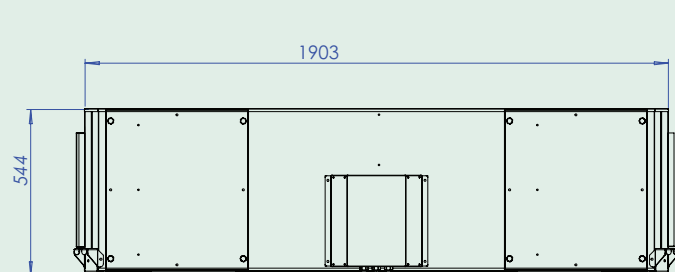
TECHNICAL SPECIFICATIONS

Size	1.040 × 1.894 × 544 mm (WxDxH)
Weight	135kg / 297,6 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,75 kW Max Current 3,5 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-2500C

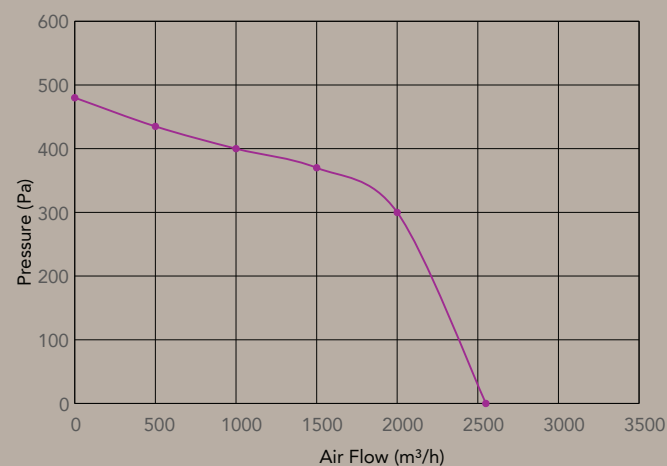
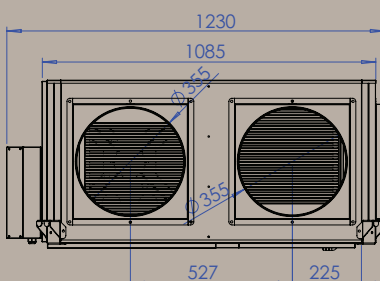
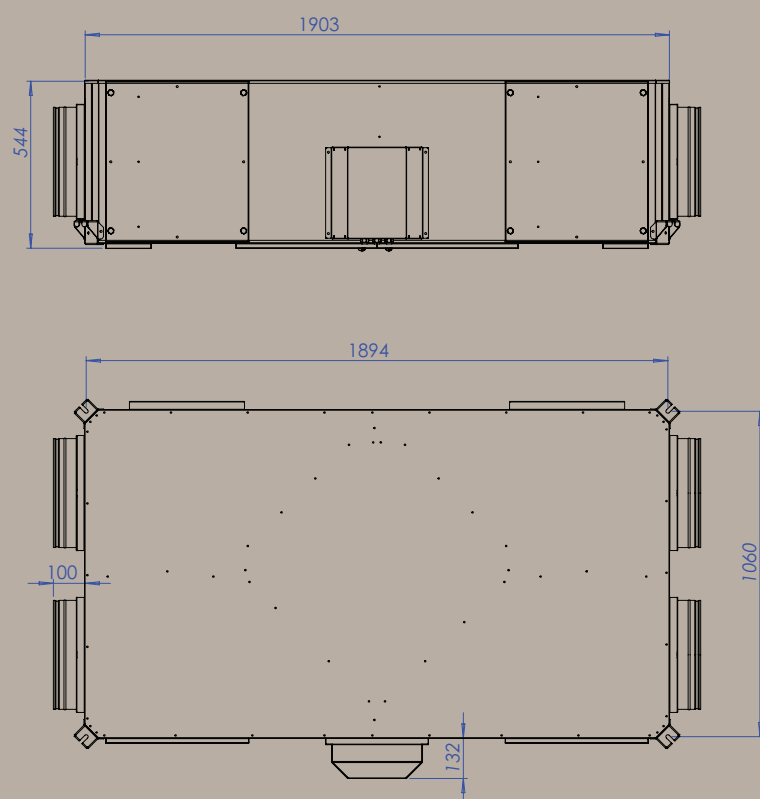
TECHNICAL SPECIFICATIONS

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Weight	135kg / 297,6 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,75 kW Max Current 3,5 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-3000R

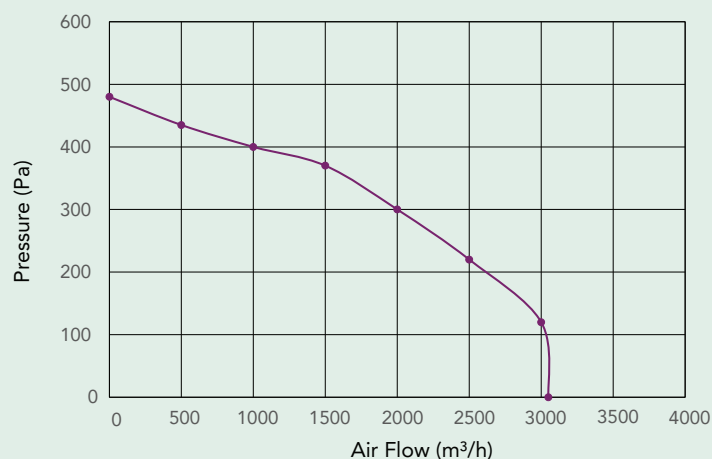
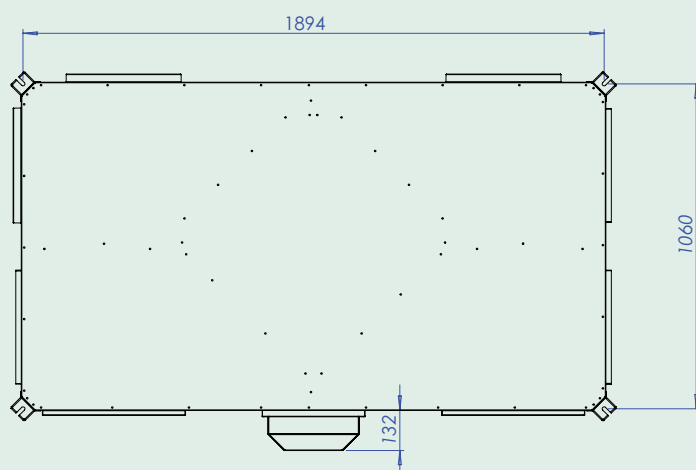
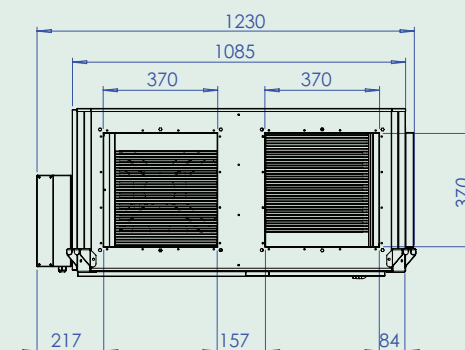
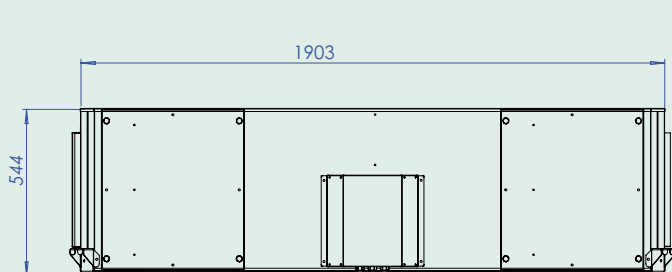
TECHNICAL SPECIFICATIONS

Size	1.040 × 1.894 × 544 mm (WxDxH)
Weight	135kg / 297,6 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,75 kW Max Current 3,5 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x1,5 mm²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001 ISO 10002 ISO 14001 ISO 45001

TEVHR-3000C

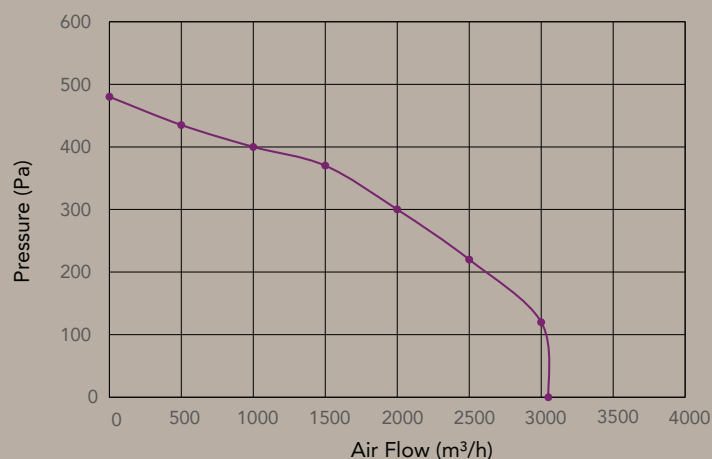
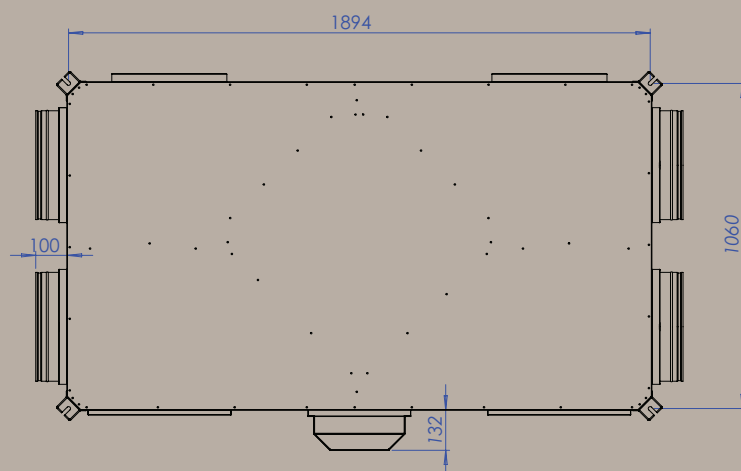
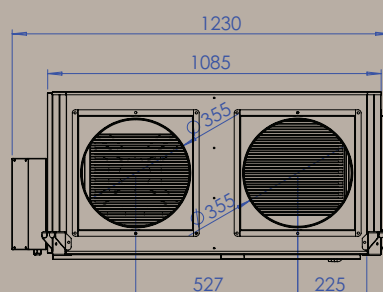
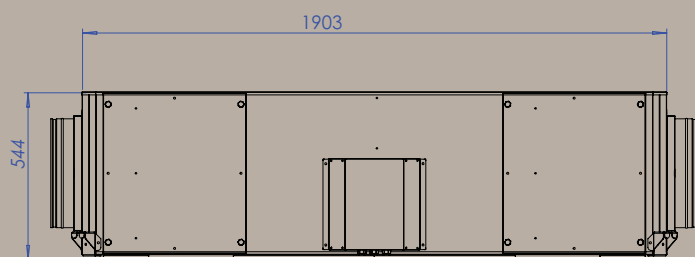
TECHNICAL SPECIFICATIONS

Size	1.040 × 1.894 × 544 mm (WxDxH)
Weight	135kg / 297,6 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,75 kW Max Current 3,5 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x1,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001 ISO 10002 ISO 14001 ISO 45001

TEVHR-4000R

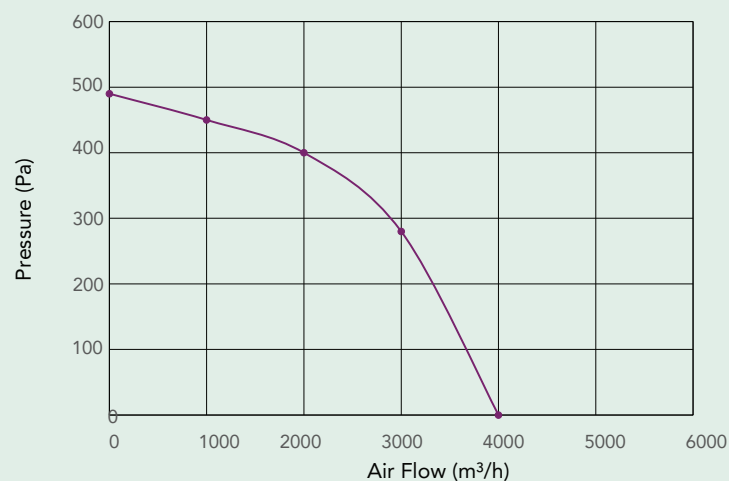
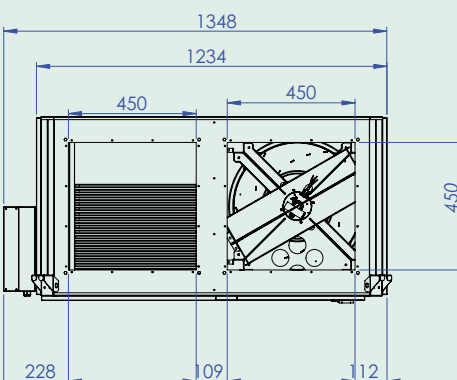
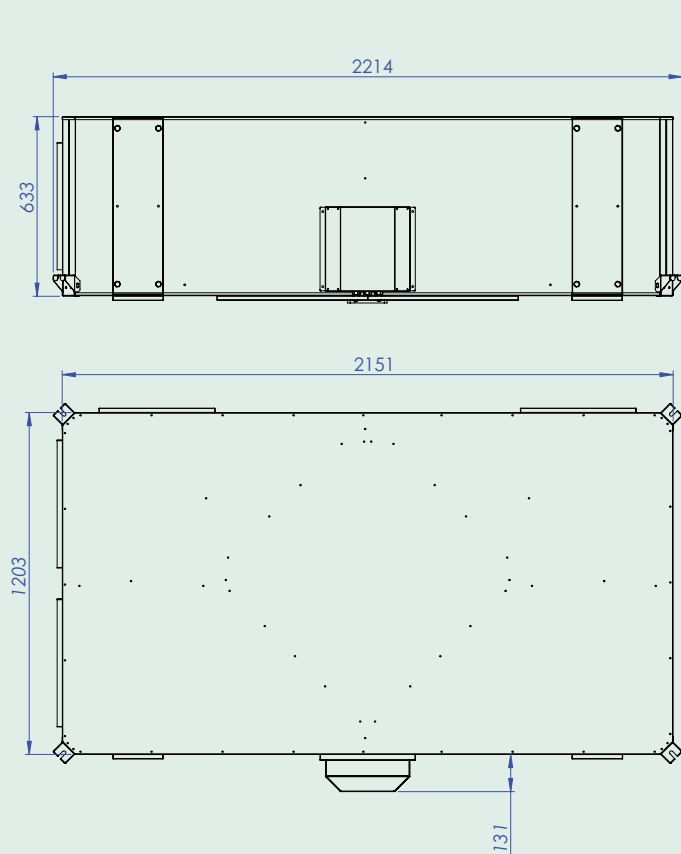
TECHNICAL SPECIFICATIONS

Size	1.140 × 2.014 × 544 mm (WxDxH)
Weight	160kg / 352,7 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,94 kW Max Current 4,8 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 2,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001



ISO 10002



ISO 14001



ISO 45001



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TEVHR-4000C

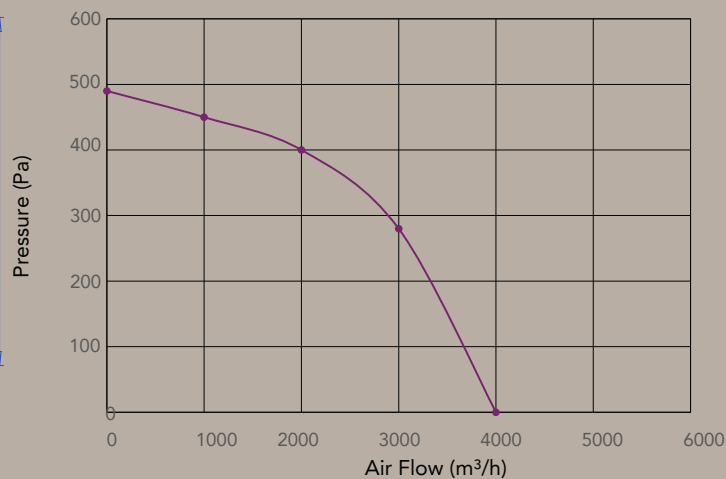
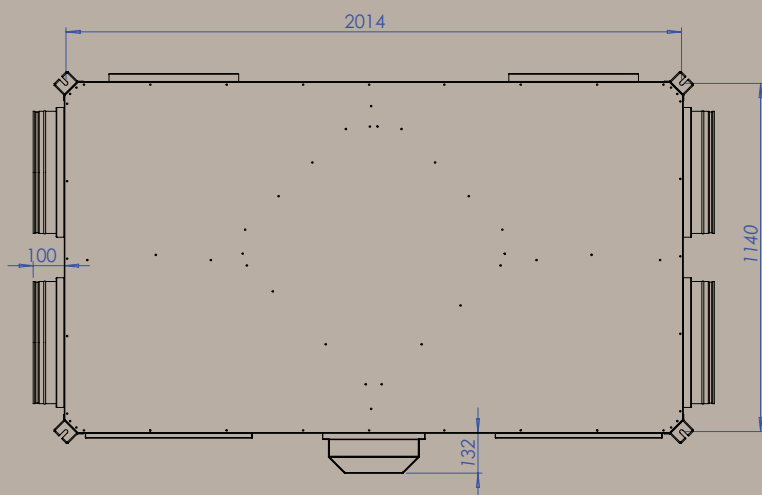
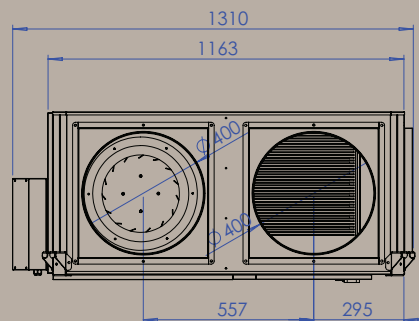
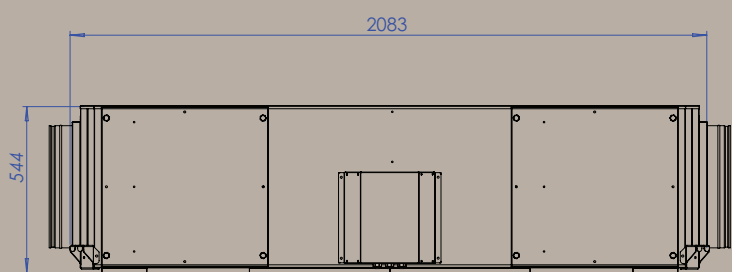
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Weight	160kg / 352,7 lb.
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Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 0,94 kW Max Current 4,8 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x2,5 mm²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-5000R

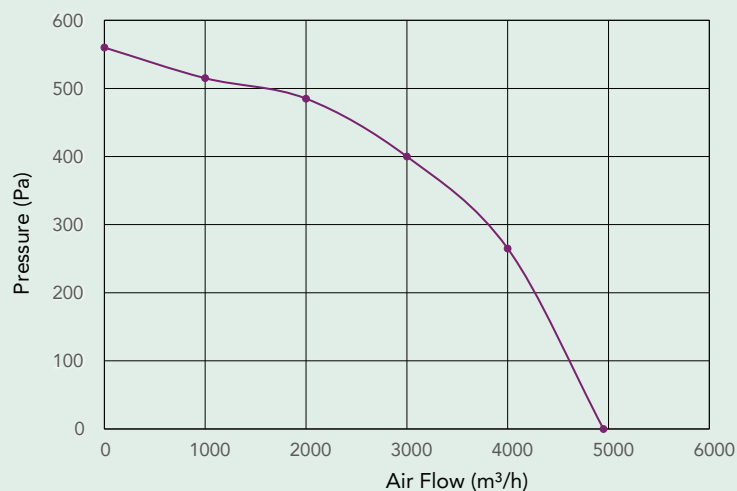
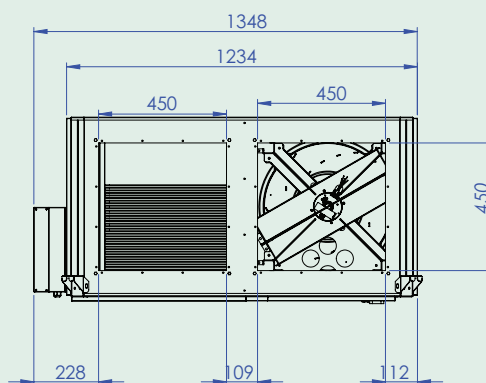
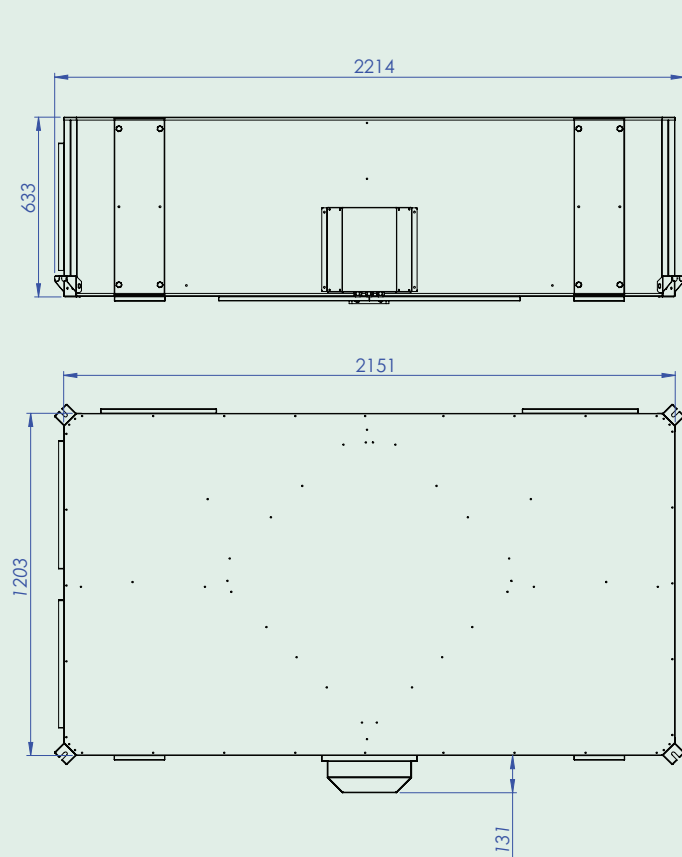
TECHNICAL SPECIFICATIONS

Size	1.192 × 2.139 × 645 mm (WxDxH)
Weight	190kg / 418,9 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 1,3 kW Max Current 6,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 2,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-5000C

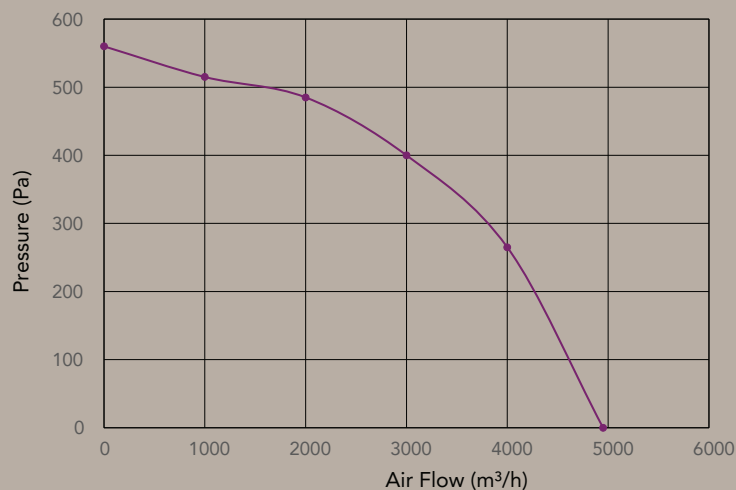
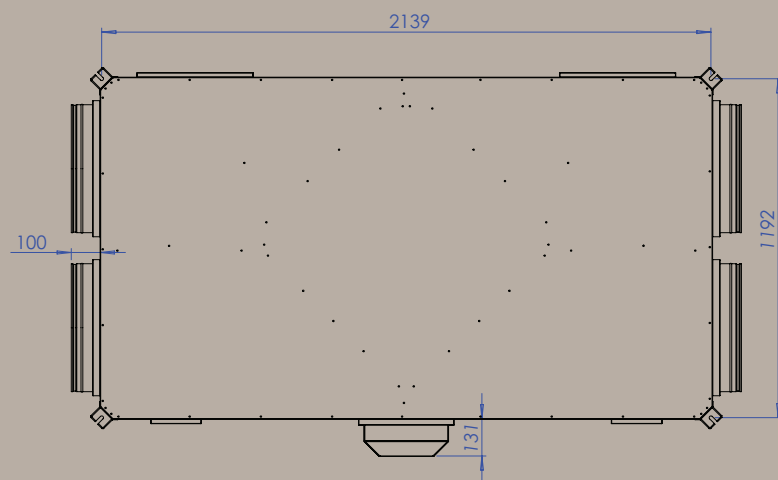
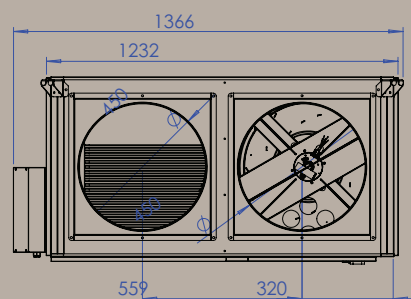
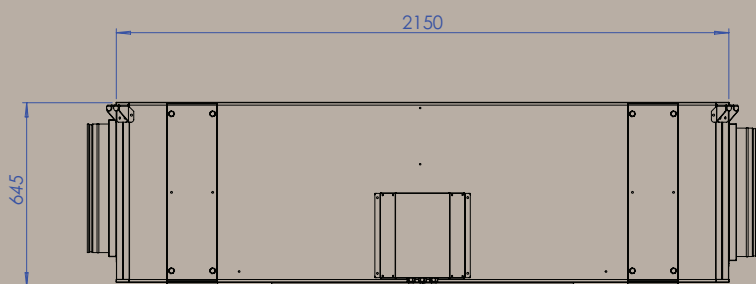
TECHNICAL SPECIFICATIONS

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Weight	190kg / 418,9 lb.
Sound Level	55 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 1,3 kW Max Current 6,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 2,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



ISO 9001 ISO 10002 ISO 14001 ISO 45001

TEVHR-6000R

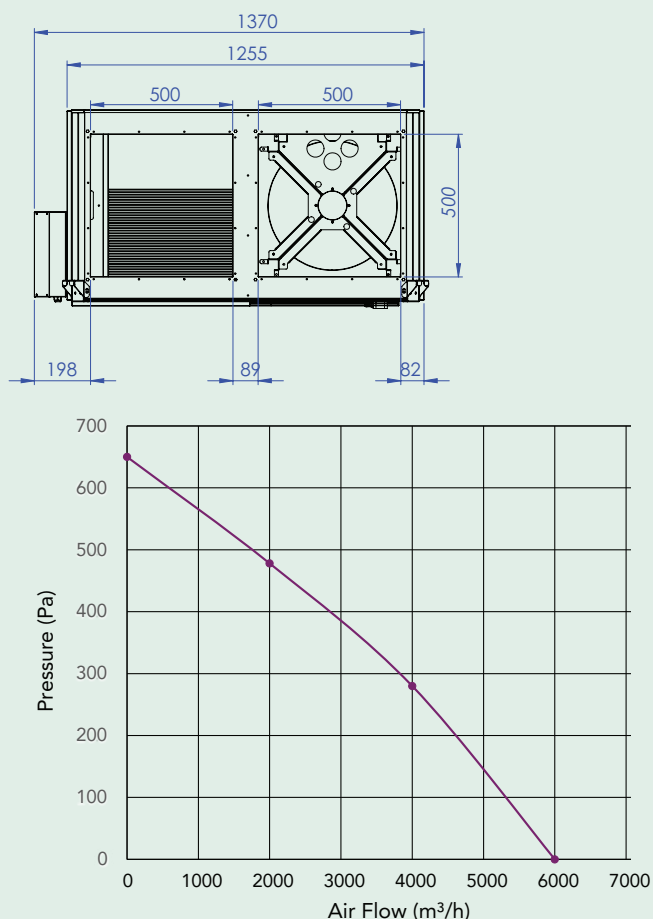
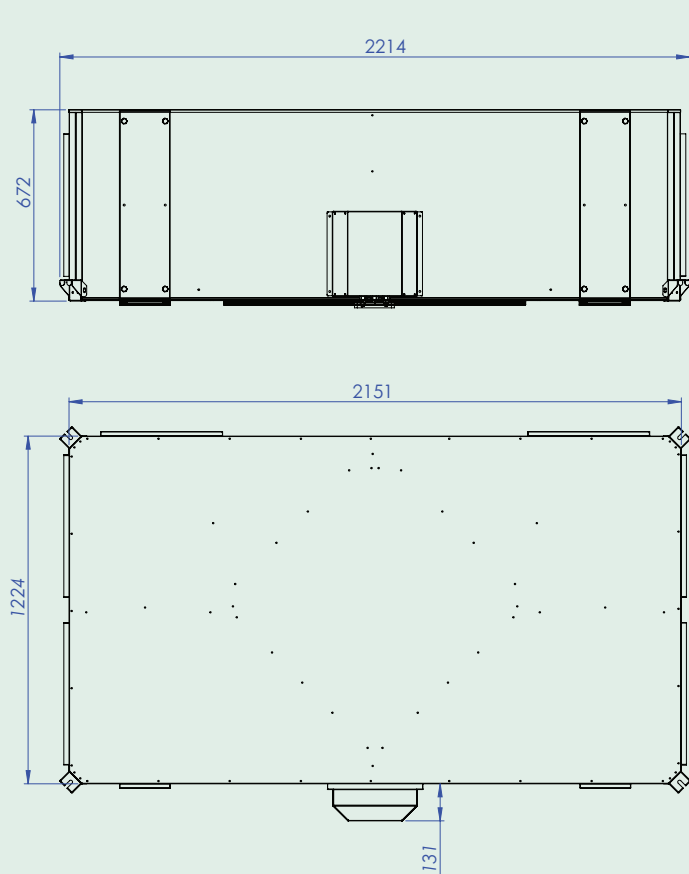
TECHNICAL SPECIFICATIONS

Size	1.239 × 2.165 × 688 mm (WxDxH)
Weight	210kg / 463 lb.
Sound Level	59 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Rectangular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 1,6 kW Max Current 8,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x 2,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



TEVHR-6000C

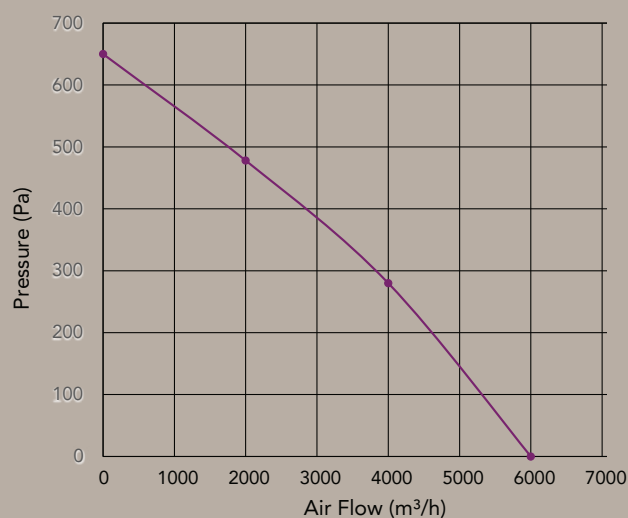
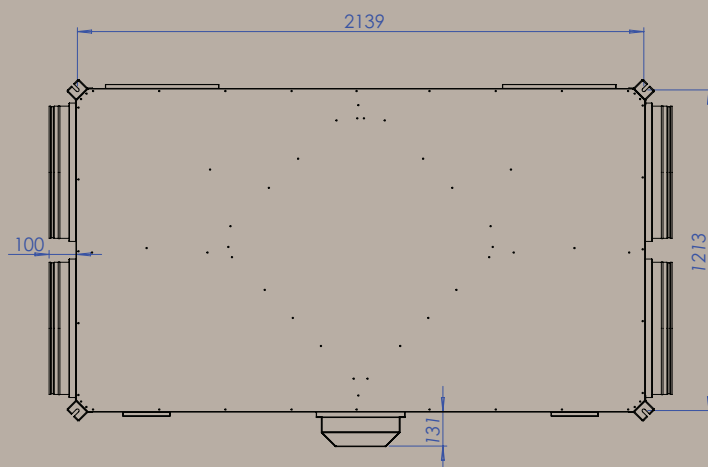
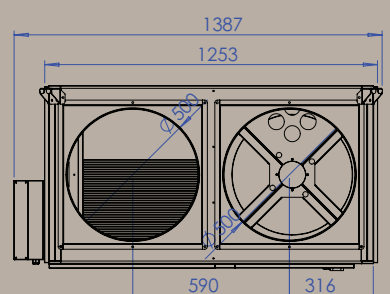
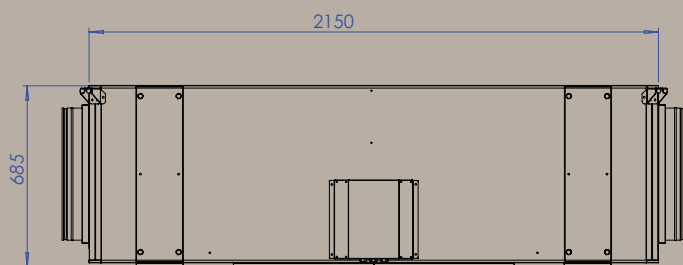
TECHNICAL SPECIFICATIONS

Size	1.239 × 2.165 × 688 mm (WxDxH)
Weight	210kg / 463 lb.
Sound Level	59 db(A) @250 Hz, 1,5 distance
Heat Exchanger Type	Aluminum Plate Cross Flow
Structure Material	25 mm thick double walled structure
Filter Type	ePM10 50% (M5)
Fan Type	Plug fans with back-curved wings
Duct Mounting Type	Circular type

ELECTRICAL DATA

Power consumption	on standard configuration, at 0 Pa, ESP Max Power 1,6 kW Max Current 8,0 A
Input	1~230V, 50 Hz
Supply Cable Section	3 x2,5 mm ²
Remote Control Panel Cable	Cat 4

DIMENSIONS



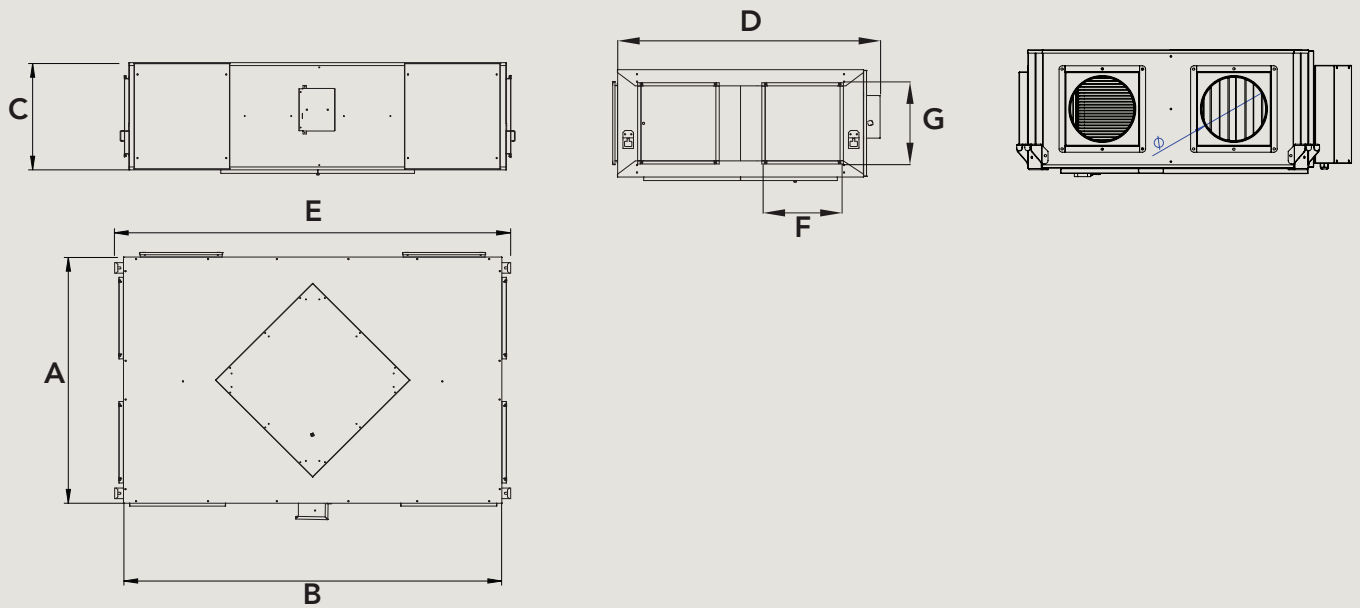
ISO 9001 ISO 10002 ISO 14001 ISO 45001

Summary of Technical Specifications

	TEVHR	800	1000	1500	2000	2500	3000	4000	5000	6000
Electrical Connections		1~230 V 50 Hz								
Performance Datas										
Air Flow (1)	m³/h	865	1.210	1.500	2.100	3.150	3.150	4.400	6.000	6.000
Sound Level (2)	dB(A)	57	59	62	50	55	55	55	55	59
Electrical Requirements										
Fan/Motor Power (3)	W	270	310	450	450	750	750	940	1.300	1.600
Maximum Current	A	1,2	1,4	2,0	2,0	3,5	3,5	4,8	6,0	8,0

1. Airflow data with an External Static Pressure of 0 Pa.
 2. Sound levels are measured at 250 Hz and at 1,5 m distance.
 3. Power consumption

Dimensions



	Dimensions (mm)								
Model	A	B	C	D	E	F	G	Ø	Weight (kg)
TEVHR 800	676	1.110	315	840	1120	220	220	200	60
TEVHR 1000	838	1.262	374	1.017	1.271	220	220	200	75
TEVHR 1500	838	1.362	424	1.017	1.371	270	270	250	85
TEVHR 2000	938	1.498	474	1.117	1.507	320	320	300	110
TEVHR 2500	1.060	1.894	544	1.230	1.903	370	370	355	135
TEVHR 3000	1.060	1.894	544	1.230	1.903	370	370	355	135
TEVHR 4000	1.203	2.151	633	1.348	2.214	450	450	400	160
TEVHR 5000	1.203	2.151	633	1.348	2.214	450	450	450	190
TEVHR 6000	1.224	2.151	672	1.370	2.214	500	500	500	210

How easy is it to maintain your unit?

Make it easy with **technogen** SUPERAIR



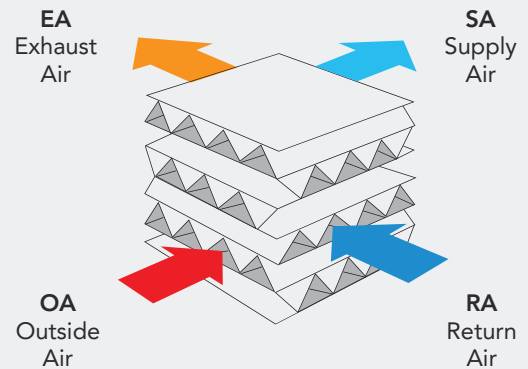
technogen®

smart solutions for HVAC

COMPONENTS

Heat Recovery Exchanger

- Longlife, plate type heat recovery exchanger
- High thermal efficiency
- Low pressure drop
- Eurovent certified
- Detachable, easy maintenance
- Washable



Plug Fan

- Direct driven Plug fans with, AC motor
- Mono-phase connection
- Low electrical consumption
- Low noise level
- Protection against overheating
- Easy maintenance with service cover and easy detachment with smart connection socket



Filters

- G class according to EN 779
- Cleanable
- Leakproof sledge design
- Easy service with side and down service covers



Body of the Unit

- High Corrosion resistant sheet metal painted in RAL 9002
- Easy maintenance with service doors
- Easy service
- Flame retardant thermal and sound isolation
- Easy mounting with hangers

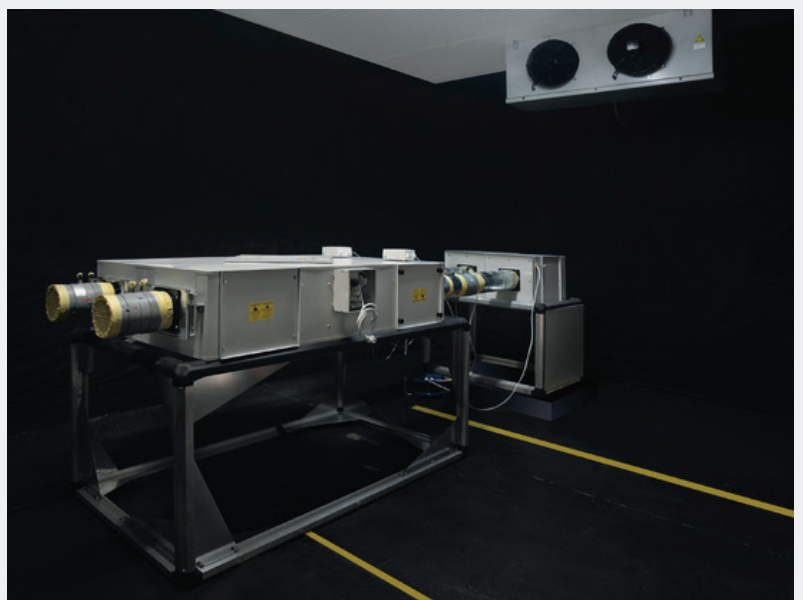
Tests

TEVHR units are tested according to with EN-60204-1 standards at factory test laboratories.

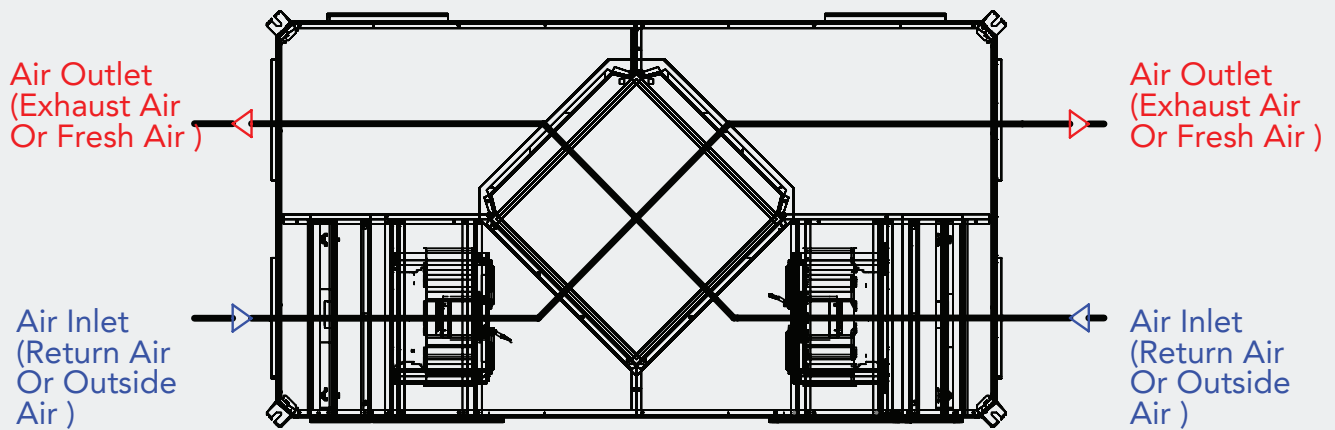
- Grounding Continuity Test
- Isolation Resistance Test
- Puncture Voltage Tests are applied at the factory

According to EN-308 below tests are applied;

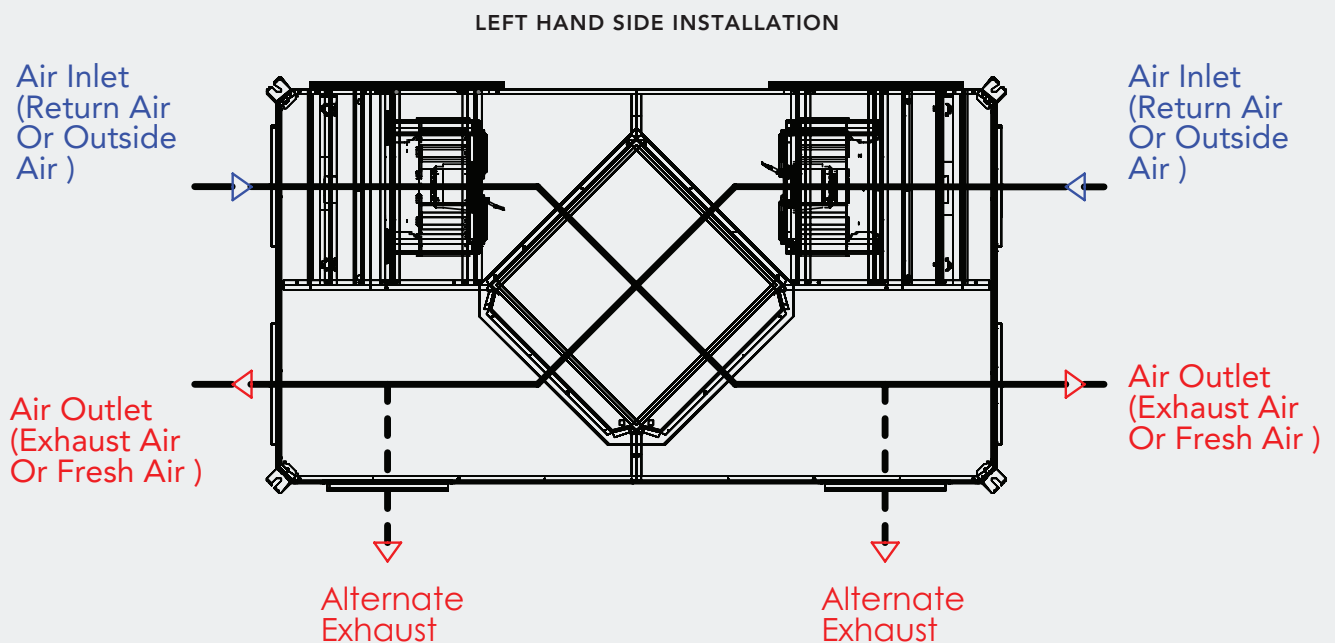
- Internal leakage
- External leakage
- Pressure drop
- Heat and Humidity



Duct Connection Configuration



RIGHT HAND SIDE INSTALLATION



LEFT HAND SIDE INSTALLATION

You don't need earplugs anymore!

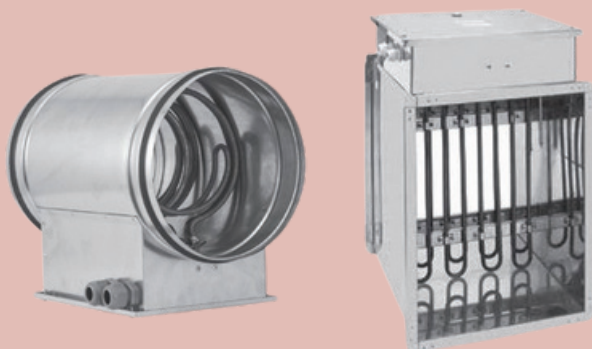
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Low noise level with **technogen** SUPERAIR



Accessories

Simplify and optimize the process with **technogen** original accessories. You will be able to generate more flexible solutions for your projects with the assistance of our accessories, thereby reducing additional costs. For further information, please contact our experienced engineers.



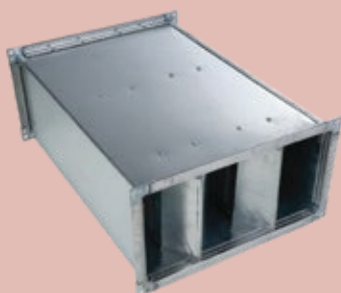
OPTIONAL DUCT TYPE ELECTRICAL HEATER

Duct Type Electrical heaters are utilized in extremely cold climates or environments that require high blowing temperatures to prevent heat recovery units from freezing. Depending on the application, rectangular or circular ducts are manufactured.



OPTIONAL DUCT TYPE HYDRO COIL

Heat exchangers are utilized by being installed either on the fresh air outlet section of TECHNO HR devices or on the fresh air duct. The heat exchangers consist of copper tubing, aluminum fins, and brass collectors. The TECHNO HR automation panel provides a control output for on/off control of the batteries. Additionally, the activation and deactivation of hot water is determined by the temperature specified on the room control panel.

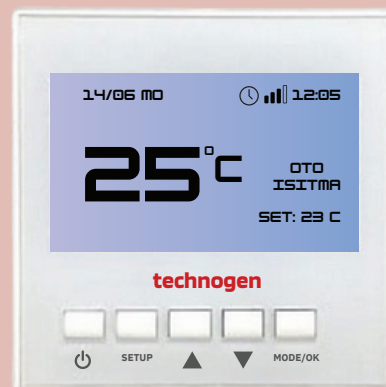


OPTIONAL DUCT TYPE CIRCULAR SILENCER

It is designed to reduce in-duct noise.
*All models have a length of 1 meter.

DIGITAL ROOM CONTROLLER

TEVHR devices come equipped with a digital room control panel. It has the ability to independently adjust the exhaust and fresh air flows, while also regulating the air flow intensity at low, medium, and high levels. The LCD panel displays all the changes that can be tracked. The unit's mode can be modified to accommodate either winter or summer conditions. During the summer, the unit operates exclusively. During the winter mode, both the Unit and the electrical heater operate. The electrical heater automatically starts up based on the temperature set on the control panel. The "off" button on the control panel stops both the electrical heater and the unit.



The electrical board arrives with the unit and it receives commands from the room controller. The electrical board contains various components such as relays, contactors, capacitors, and connectors. The heater and unit both require a supply of electrical power.

The TEVHR Units have the capability to establish a connection with the Building Automation System either through a contactor or via the MODBUS protocol using RS485 communication. Consequently, all the characteristics of the device can be managed via a centralized system.

The automation panel allows for the adjustment of both fresh air and return air flows. Therefore, it is possible to achieve either negative or positive pressure.

The implementation of Air Quality or CO2 sensors (optional) enables the activation of the Ventilation on demand feature. In order to utilize it, one must switch either the room control panel or the building automation panel to VOD mode.



STANDARD PANEL SPECIFICATIONS

- Controls the volumes of the exhaust and fresh air fans separately, with 5 adjustable levels.
- Activate alarm for service maintenance after 1200 hours of operation.
- Motor thermal protection.

ADVANCED PANEL SPECIFICATIONS

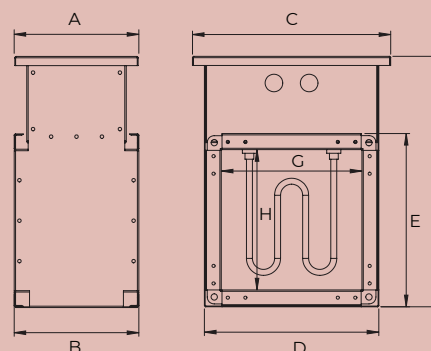
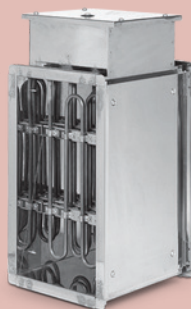
- Controls the volumes of the exhaust and fresh air fans separately, with 5 adjustable levels.
- Activate alarm for service maintenance after 1200 hours of operation.
- Motor thermal protection.
- Electrical heater connection
- Water Coil connection
- Protection of heaters for over-heating
- Boost Function

PRO PANEL SPECIFICATIONS

- Controls the volumes of the exhaust and fresh air fans separately, with 5 adjustable levels.
- Activate alarm for service maintenance after 1200 hours of operation.
- Motor thermal protection.
- Electrical heater connection
- Water Coil connection
- Protection of heaters for over-heating
- Boost Function
- Carbondioxide sensor connection
- Controlling the water coil proportionally or on/off.
- Control of damper motor
- BMS control
- Control of heating and cooling coil valves
- Fire alarm
- Weekly programming
- Duct-mounted thermal inspection sensor

ELECTRICAL HEATER

- Control board
- Overheat sensor, thermistor
- Low energy consumption with step control
- Rectangular shape
- Galvanised steel body

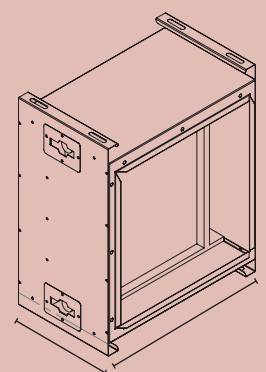


										Resistance	
Model	Power	Step	A	B	C	D	E	F	G x H	Electrical Power	Quantity
	kW		mm							W	
TEVHR-800	3,0	1	176	178	282	248	247	357	200 x 200	667	3
TEVHR-1000	3,0	1	176	178	282	248	247	357	200 x 200	1.000	3
TEVHR-1500	6,0	1	326	328	252	252	317	427	170 x 270	500	6
TEVHR-2000	6,0	2	326	328	332	332	347	457	250 x 300	834	6
TEVHR-2500	9,0	2	326	328	382	382	347	457	300 x 300	1.167	6
TEVHR-3000	9,0	3	476	478	452	452	417	527	370 x 370	889	9
TEVHR-4000	9,0	3	476	478	452	452	417	527	370 x 370	1.112	9
TEVHR-5000	12,0	3	476	478	512	512	477	587	430 x 430	1.444	9
TEVHR-6000	15,0	3	476	478	512	512	477	587	430 x 430	1.444	9

HOT WATER COIL

Technogen hot water coils are positioned either at the outlet of the fresh air duct or within the duct itself. The composition of these objects consists of copper pipe, aluminium wings, and brass collectors. The electrical board directs the activation or deactivation of the coil based on the set temperature specified by the room controller. These devices offer minimal pressure drops and can be directly connected to a duct system without requiring any additional connection mechanisms.

Model	Capacity kcal/h
TEVHR-800	2.580
TEVHR-1000	2.580
TEVHR-1500	5.160
TEVHR-2000	5.160
TEVHR-2500	7.740
TEVHR-3000	7.740
TEVHR-4000	7.740
TEVHR-5000	10.320
TEVHR-6000	12.900



**The dimensions of the Hot Water Coil vary based on the size of the duct. Prior to placing your order, ensure that you have access to the assistance of our experienced engineers.*



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wants to
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air

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