PRODUCT CATALOGUE

Airfi Product Catalogue
2023

AIR HANDLING UNITS

EXHAUST HOODS

ACCESSORIES

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MORE THAN PURE AIR

You are served by

My notes

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We reserve the right to make changes.

About us

A Finnish forerunner in the ventilation industry

Airfi is a Raisio-based company that manufactures the most energy-efficient air handling units on the market. Together with our customers, our R&D team is constantly developing modern products that stand out. We listen carefully to the wishes of all our customers, and react accordingly as quickly as possible. We are constantly investing in the design, testing and development of our products, so you can always be confident in the quality of our products.

We have been awarded the Key Flag Symbol, which is a symbol of Finnish work. Our products have a high degree of domestic origin.

The Airfi team

We are passionate about our work and want to stay at the forefront of the industry also in future. Yet, there's a relaxed and innovative atmosphere at the office. It is important to us that everyone feels welcome and that every single one of our employees know and feel their worth. Every member of our team has an important role to play.

Developing new technology obviously requires strong product development skills, but in addition to development, products must also be carefully manufactured. Our professionals in sales and marketing know our customers, and they communicate our customers' needs to our product development team. At the heart of everything we do is customer satisfaction with our services and products – that is why our product range is built largely around our customers' wishes.

TEHTY SUOMESSA
MADE IN FINLAND

Airfi App
The app allows you to control your air handling unit wirelessly via Wi-Fi

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AIR HANDLING UNITS

Airfi air handling units enable fresh and healthy indoor air. The new Airfi air handling units are designed for the demanding conditions of the North. The Airfi range offers the right unit type for single-family homes, terraced houses, apartment buildings, public facilities and offices. Airfi units have enhanced dehumidification through the bottom of the unit to ensure efficient and energy-friendly operation during cold periods.

Airfi Model 60, Model 100 and Model 130 air handling units are only 558 mm wide and they can be installed inside a cabinet.

Humidity automation
The most intelligent demand-controlled humidity automation on the market as standard (models 60, 100, 130 and 150).

Quick installation
Quick and easy installation on a ceiling bracket.

AFPS™ technology
The AFPS™ hoarfrost protection ensures continuous ventilation in your home.

Condensate removal
Thanks to the sloping inner bottom, condensation water is efficiently removed.

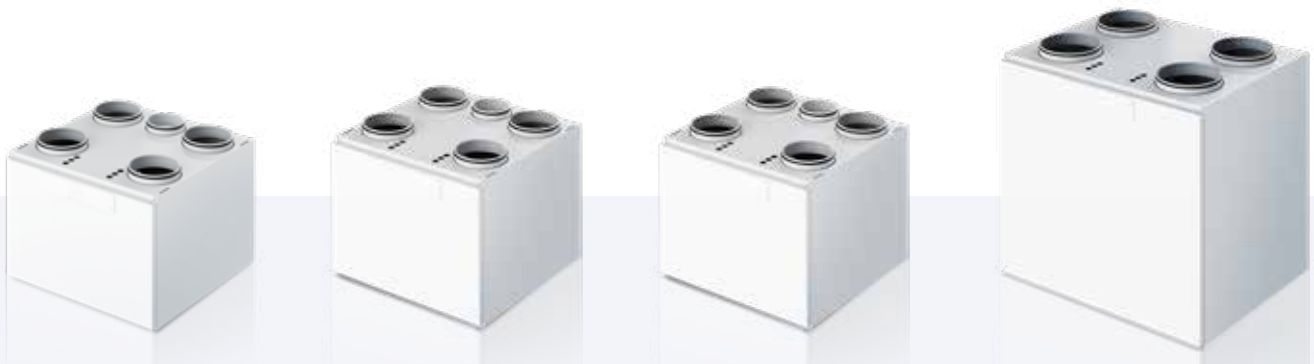
High living comfort
The energy-efficient and quiet unit is easy and effortless to use.

Uniform temperature
Intelligent cascade-controlled bypass damper that takes temperature variations into account.

Unit controls
The unit can be controlled with a control panel or the Airfi App.

Building automation control systems
Connectivity to common home automation systems as standard.

TEHTY SUOMESSA
MADE IN FINLAND



Model 60 Model 100 Model 130 Model 150

Quiet ventilation

dB set

> **Sometimes it is the small details that make the whole system work.**

Our **dB set** has been developed according to customer requirements for applications where the noise level should be minimal. The noise levels of the dB set have been measured by an external accredited laboratory.

On our website, you will find a link to a calculation programme that makes it easy to see the effect of the dB set on the noise coming through the sheath. The calculation programme shows the dB value of a so-called "hard room" (e.g. a bathroom) and a normal habitable room.

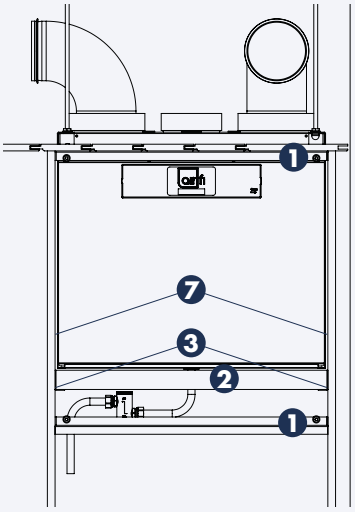
Calculation programme

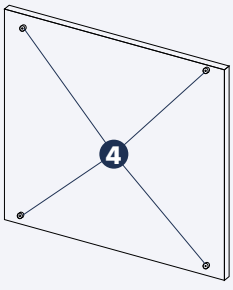
Direct link to the calculation programme!
Or find the calculation programme on our website at www.airfi.fi.

Components

1. Front strip (2 pcs)
2. Insulating plate, 40 mm
3. Insulating plate retaining strip (2 pcs)
4. Connector bolt M6 (4 pcs)
5. Door sealing tape
6. Door mass-type plate
7. Resonance insulation (2 pcs)

NB:
The basic dB set does not include the cabinet frame and door.



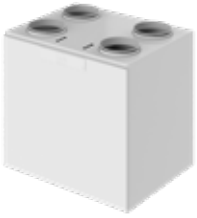


Option table

Technical specifications

	Model 60	Model 100	Model 130
Dimensions (width x height x depth)	558 x 450 x 558	558 x 490 x 558	558 x 490 x 558
Weight	44 kg	46 kg	46 kg
Duct outlets	4 x 160, 1 x 125	4 x 160, 1 x 125	4 x 160, 1 x 125
Kitchen bypass	●	●	●
Condensate fitting	Centre, 66 mm from rear edge	Centre, 66 mm from rear edge	Centre, 66 mm from rear edge
Condensation water tray	Tilted condensation water tray	Tilted condensation water tray	Tilted condensation water tray
Max. extract air flow rate (100 Pa)	107 dm^3/s (385m^3/h)	107 dm^3/s (385,2m^3/h)	142 dm^3/s (511,2m^3/h)
Max. supply air flow rate (100 Pa)	99 dm^3/s (356,4m^3/h)	95 dm^3/s (342m^3/h)	125 dm^3/s (450m^3/h)
Specific energy consumption (SEC) in a cold climate	A+	A+	A+
Specific energy consumption (SEC) in an average climate	A	A	A
Extract air heat recovery annual efficiency class	A+/A (kitchen bypass in use)	A+/A (kitchen bypass in use)	A+/A (kitchen bypass in use)
Air handling unit's specific electrical power class at rated air flow	A	A	A
Electricity	230 V, 50 Hz, 10 A, max.1165 W: Plug	230 V, 50 Hz, 10 A, max.1165 W: Plug	230 V,50 Hz,10 A, max.1255 W: Plug
Summer/winter function			
Automatic, adjustable	●	●	●
Defrosting automation			
Continuous supply air, AFPS	●	●	●
Post heater			
	920 W (electric)	920 W (electric)	920 W (electric)
Equipment			
Ceiling mount bracket	●	●	●
Wall mount bracket	●	●	●
Stand	-	-	-
Vapour barrier filler plate	●	●	●
Humidity transmitter (internal)	●	●	●
Humidity transmitter	●	●	●
Carbon-dioxide transmitter	●	●	●
Cooling radiators	●	●	●
Filter guard	●	●	●
Constant pressure control	●	●	●
Spring return damper	●	●	●
Airfi KNX adapter	●	●	●
Controls			
Uno, Sento, Mille-Wire, Mille-Wifi	●	●	●
Control hoods	●	●	●
VAK, DDC, 10VDC, Transmitter controls Modbus RTU/TCP, Ethernet	●	●	●

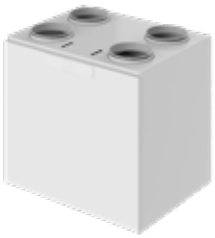
● Standard equipment ● Accessory

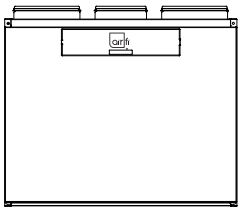
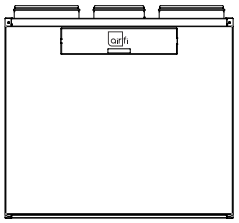
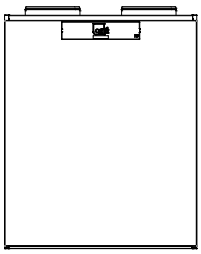
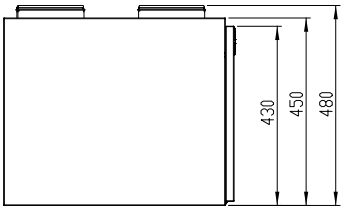
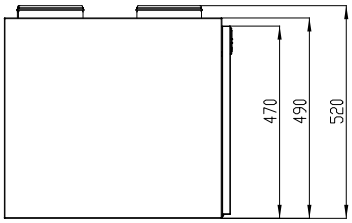
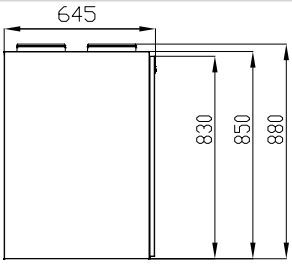
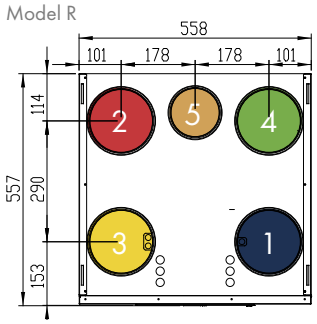
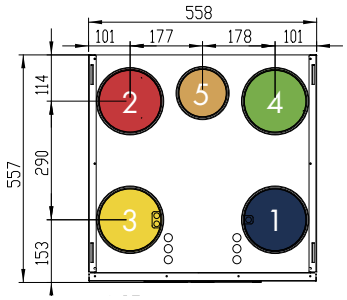
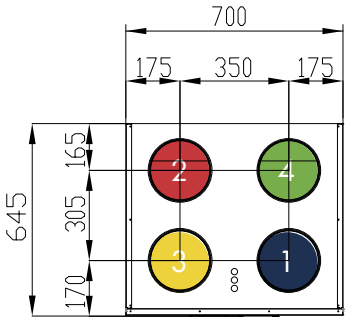
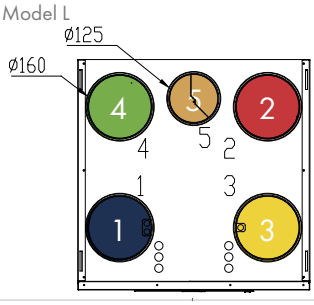
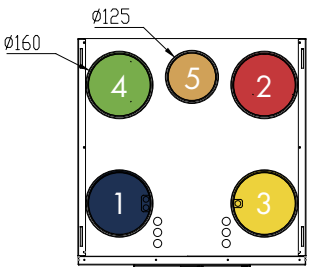
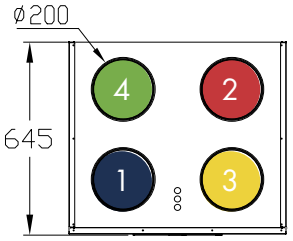
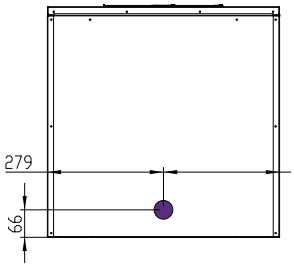
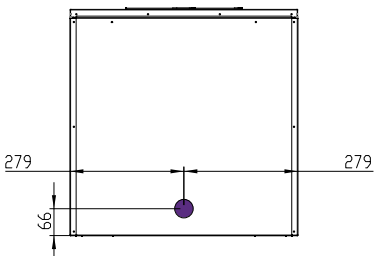
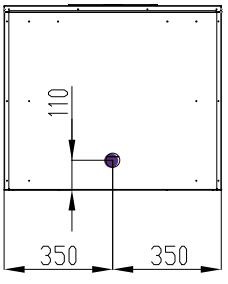


	Model 150	Model 250	Model 350
Dimensions (width x height x depth)	700 x 850 x 645	998 x 1475 x 650	998 x 1475 x 650
Weight	77 kg	175 kg	175 kg
Duct outlets	4 x 200	4 x 250	4 x 250
Kitchen bypass	-	-	-
Condensate fitting	Centre, 110 mm from rear edge	From the front edge 128 mm	From the front edge 128 mm
Condensation water tray	Tilted condensation water tray	Tilted condensation water tray	Tilted condensation water tray
Max. extract air flow rate (100 Pa)	180 dm^3/s (648m^3/h)	Electric 265 dm^3/s (954m^3/h) Water 265 dm^3/s (954m^3/h)	Electric 368 dm^3/s (1324,8m^3/h) Water 368 dm^3/s (1324,8m^3/h)
Max. supply air flow rate (100 Pa)	159 dm^3/s (572,4m^3/h)	Electric 248 dm^3/s (892,8m^3/h) Water 243 dm^3/s (874,8m^3/h)	Electric 349 dm^3/s (1256,4m^3/h) Water 345 dm^3/s (1242m^3/h)
Specific energy consumption (SEC) in a cold climate	A+	A+	A+
Specific energy consumption (SEC) in an average climate	A	A	A
Extract air heat recovery annual efficiency class	A+	A+	A+
Air handling unit's specific electrical power class at rated air flow	A	A	A
Electricity	230 V,50 Hz,16 A, max. 2200 W: Plug	Electric 230 V 16 A, max. 3500 W Water 230 V 10 A, max. 1100 W	Electric 400 V 3 x 16 A, max. 8250 W Water 230 V 10 A, max. 1100 W
Summer/winter function			
Automatic, adjustable	●	●	●
Defrosting automation			
Continuous supply air (AFPS)	●	● block defrosting	● block defrosting
Post heater			
	2 x 920 W (electric)	2380 W (electric) / water	3 x 2380 W (electric) / water
Equipment			
Ceiling mount bracket	-	-	-
Wall mount bracket	●	-	-
Mounting set	●	●	●
Vapour barrier filler plate	●	-	-
Humidity transmitter (internal)	●	●	●
Humidity transmitter	●	●	●
Carbon-dioxide transmitter	●	●	●
Cooling radiators	●	●	●
Filter guard	●	●	●
Constant pressure control	●	●	●
Spring return damper	●	●	●
Airfi KNX adapter	●	●	●
Controls			
Uno, Sento, Mille-Wire, Mille-Wifi	●	●	●
Control hoods	●	●	●
VAK, DDC, 10VDC, Transmitter controls Modbus RTU/TCP, Ethernet	●	●	●

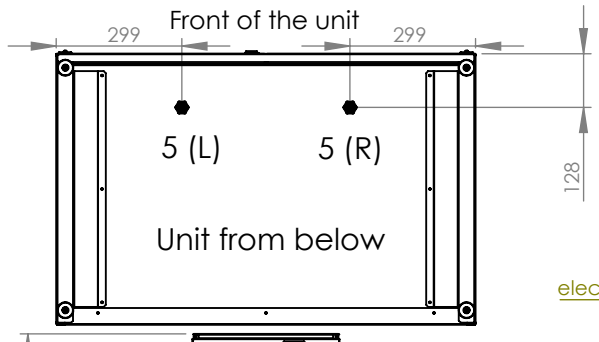
● Standard equipment ● Accessory

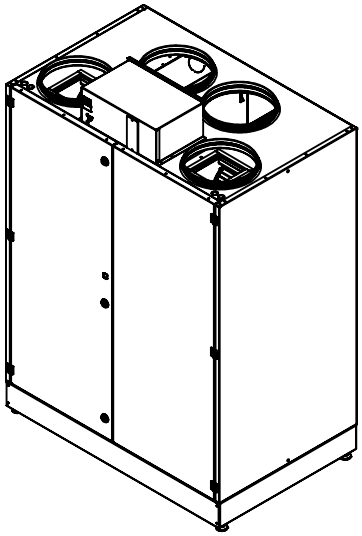
Dimensional drawings

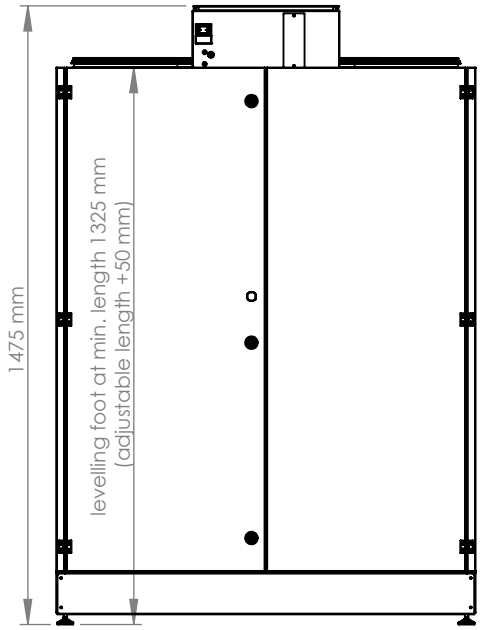


Model 60	Model 100	Model 130	Model 150
Front			
			
Side			
			
Model R			
			
Model L			
			
Bottom			
			

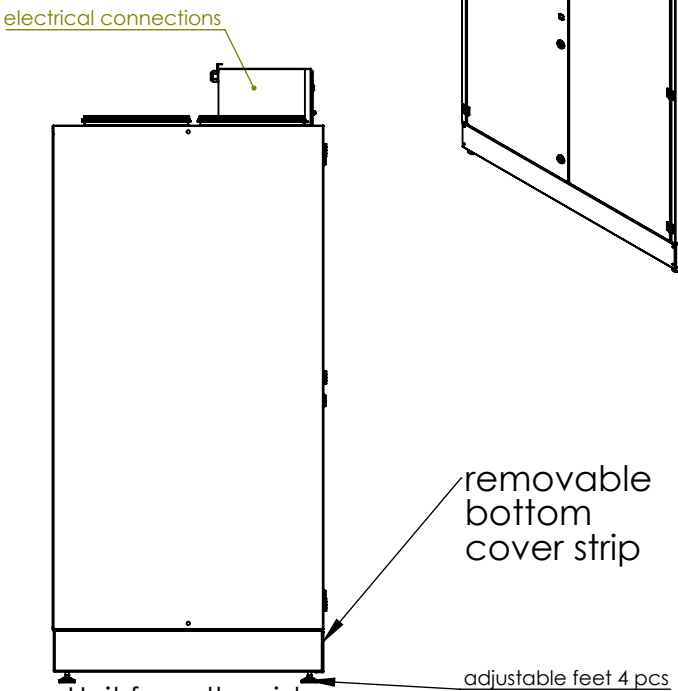
● Outdoor air (1) ● Supply air (2) ● Extract air (3) ● Exhaust air (4) ● Kitchen bypass (5) ● Condensate outlet (6)



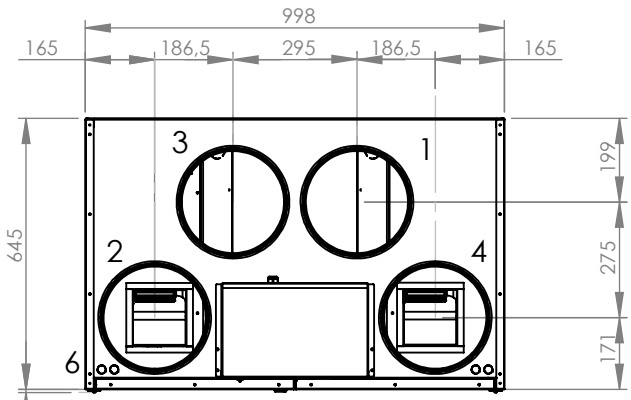




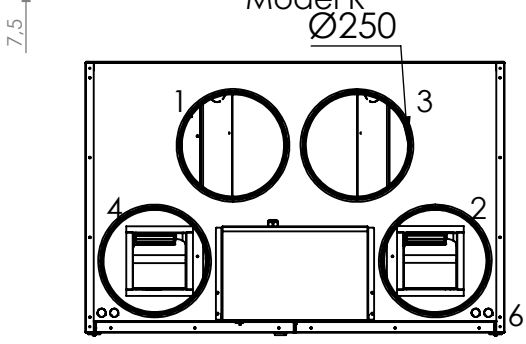
Unit from the front



Unit from the side



Model R



Model L

1 = Outdoor air
2 = Supply air
3 = Extract air
4 = Exhaust air
5 = Condensate outlet (1/2" female thread)
6 = In the water model, the permeability of the pipes at the upper surface

For MODEL 350, we recommend to enlarge the duct to ø315

Airfi MODEL 250

10 250 011 - Airfi Model 250 (R) Electric: Input 230 V 50 Hz 16 A
10 250 021 - Airfi Model 250 (L) Electric: Input 230 V 50 Hz 16 A

10 250 012 - Airfi Model 250 (R) Water: Input 230 V 50 Hz 10 A
10 250 022 - Airfi Model 250 (L) Water: Input 230 V 50 Hz 10 A

Airfi MODEL 350

10 350 011 - Airfi Model 350 (R) Electric: Input 400VAC 3x16A
10 350 021 - Airfi Model 350 (L) Electric: Input 400VAC 3x16A

10 350 012 - Airfi Model 350 (R) Water: Input 230 V 50 Hz 10 A
10 350 022 - Airfi Model 350 (L) Water: Input 230 V 50 Hz 10 A

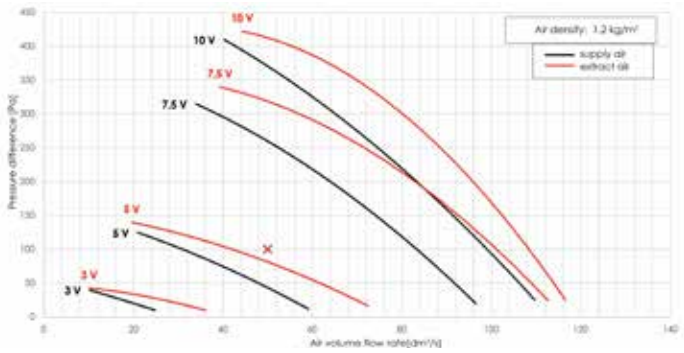
Weight 175 kg

Documentation: 60800685 - Airfi Model 250 and 350 scale model

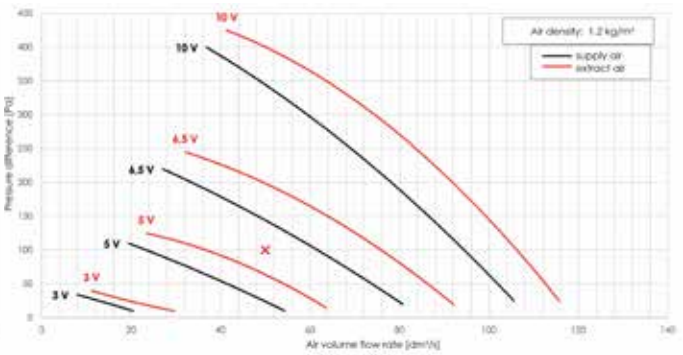
We reserve the right to make changes
www.airfi.fi (dated 13-7-2021)

Air flow rate

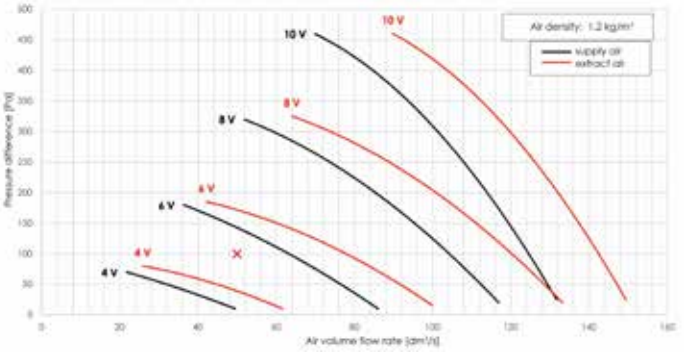
Model 60



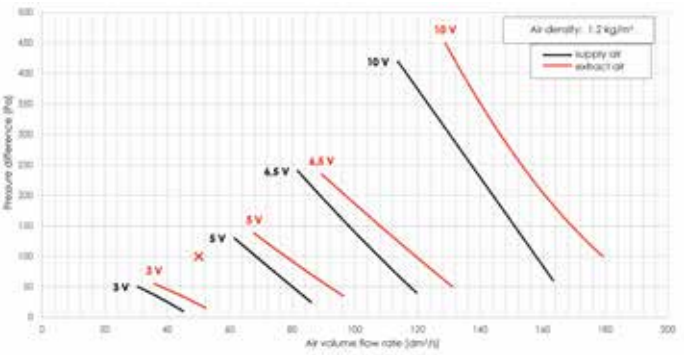
Model 100



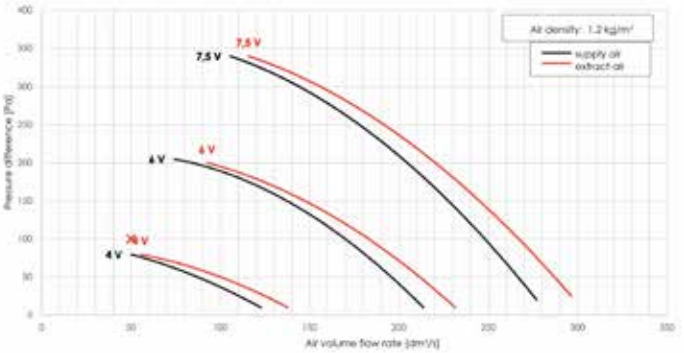
Model 130



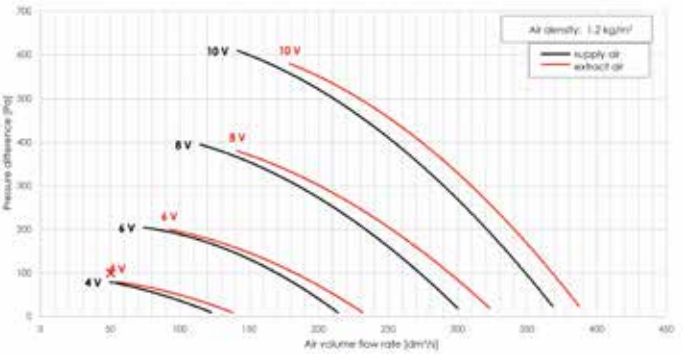
Model 150



Model 250



Model 350



Calculation programme

The Airfi calculation programme calculates accurate octave-band sound power levels of the air flow in the duct system and the environment. The programme also calculates the control percentages for both fans and the SFP value according to the given air flow and duct pressure drop. The programme also shows the unit's annual efficiency. This document can also be used as an appendix to an application for a building licence.

Direct link to the calculation programme!
Or find the calculation programme on our website at www.airfi.fi.

Product codes

AIR HANDLING UNITS

Model	Code	HVAC number
Model 60 (R) Electric	10060011	7916041
Model 60 (L) Electric	10060021	7916042
Model 100 (R) Electric	10100011	7916043
Model 100 (L) Electric	10100021	7916044
Model 130 (R) Electric	10130011	7916091
Model 130 (L) Electric	10130021	7916092
Model 150 (R) Electric	10150011	7916045
Model 150 (L) Electric	10150021	7916046
Model 250 (R) Electric	10250011	7916083
Model 250 (L) Electric	10250021	7916082
Model 250 (R) Water	10250012	7916088
Model 250 (L) Water	10250022	7916090
Model 350 (R) Electric	10350011	7916084
Model 350 (L) Electric	10350021	7916085
Model 350 (R) Water	10350012	7916086
Model 350 (L) Water	10350022	7916087

Accessories

Model	Code	HVAC number
Ceiling mount bracket 160-125-K: Model 60, 100, 130	40000013	7916031
Ceiling mount bracket 160-160-K: Model 60, 100, 130	40000014	7916032
Vapour barrier filler plate: Model 60/100/130	40000015	7916033
Wall bracket: Model 60/100/130	40000016	7916034
Mounting set: Model 150	40000039	7916037
Airfi water seal chrome-plated	40000053	7916072
Filter set no 1, Model 60/100/130	40000001	7916035
Filter set no 2, Model 150	40000002	7916036
Filter set no 3, Model 250/350	40000003	7916089
dB package, Model 60/100/130	40000089	-
Airfi KNX adapter	40000098	-
Constant pressure control, supply *	40000092	-
Constant pressure control, extract *	40000093	-
Spring return damper ø250 mm, outdoor air *	40000094	-
Spring return damper ø250 mm, exhaust air *	40000095	-
Filter guard, supply *	40000096	-
Filter guard, extract *	40000097	-

* Factory fitting Model 250/350

Controls

With simple and modern controls, you can easily control the air handling unit. You can also download the Airfi App to your existing smart devices.

Mille
Wi-Fi

Mille
WIRE

Sento

Uno

The Uno control panel has five speeds.

At home/Away

Service panel

Control multiple units

Sauna function

Booster

Wireless control

Fireplace function

Schedule

Time and date

Airfi App

The app allows you to control your air handling unit wirelessly via Wi-Fi

Download on the App Store

GET IT ON Google Play

Model	Code	HVAC number
5-speed Uno rotary switch	40000040	7916038
Capacitive Sento controller	40000041	7916039
Mille-Wifi controller	40000042	7916040
Mille-Wire controller	40000052	7916065

Airfi
Frost Pro System

Welcome to the A+ energy efficiency generation.

With the AFPS technology, the annual efficiency rating of Airfi Oy's air handling units is A+.

Airfi Frost Pro System (AFPS) is standard in all air handling units manufactured by Airfi Oy. The new Airfi Frost Pro System (AFPS) is a self-learning hoarfrost protection system which guarantees excellent performance during cold periods.

Airfi Frost Pro System is a Finnish invention, where the heat exchanger is defrosted only when there is a need for it. This way the air handling unit works in prolonged freezing weather.

The energy used to defrost the heat exchanger is taken from the extract air. This way, the energy provided by the heating resistors is used in the apartment rather than, for example, heating the exhaust air with the front resistors.

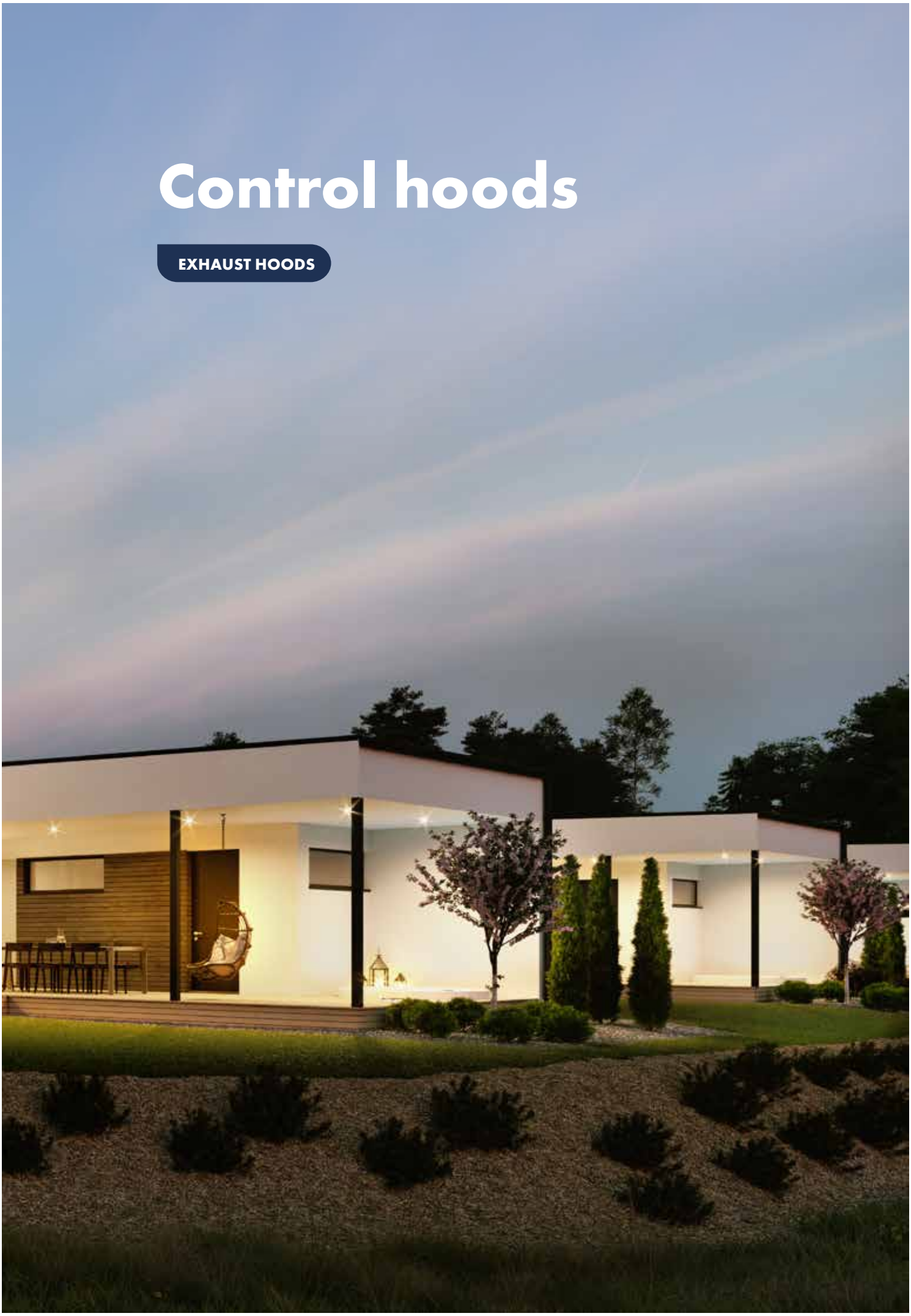
The defrosting function is used optimally, saving energy compared to older solutions. The self-learning capabilities make it possible to take the individual characteristics of the air handling unit into account, for example, how dirty the filters and heat recovery cell are. By choosing an energy-efficient air handling unit from Airfi Oy, you will save significant amounts of energy.

TEHTY SUOMESSA
MADE IN FINLAND

Airfi Frost Pro System (AFPS) – Airfi Oy's self-learning hoarfrost protection system has been granted a patent.

Control hoods

EXHAUST HOODS



Control hoods

Airfi's control hoods are designed to control not only the smoke removal system, but also the individual air handling unit or the roof ventilator.

Washable grease filter
Metallic machine-washable grease filter.

LED lights
Ecological and long-lasting LED lights.

Ventilation
Control hoods are suitable for controlling your home's air handling system or roof ventilator.

Safera safety technology
Some products are compatible with Safera safety technology.

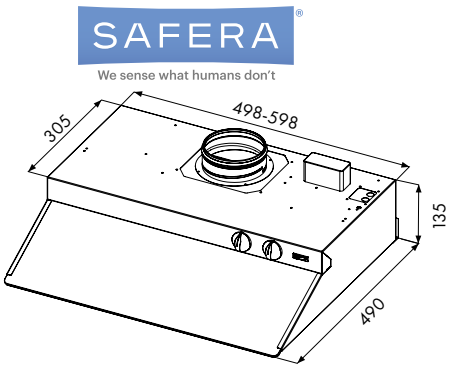
Fixed structure
Durable product with a metal structure.

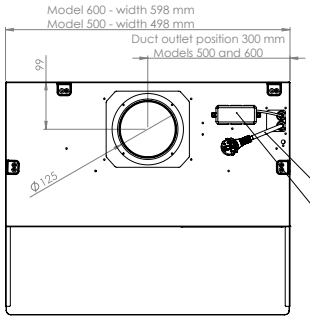
Quick to install
Easy and quick to install.

Plug connection
A safe and fast connector for all hoods.

Pia-SA57w-AC-EC
Pia-SA67w-AC-EC

A classic cabinet-mounted control hood that can be quickly installed in cabinets of different depths.





Technical specifications

- LED lights, 2 x 3 W 4000 K
- Width 500 (SA57w-AC-EC) and 600 mm (SA67w-AC-EC)
- Booster valve with timer (60min)
- Speed control 1–5
- Control methods: AC and EC control
- With forced connection (continuous control voltage or e.g. a model that stops the roof ventilator [factory setting])

Model	Code	HVAC number	Width	Colour	Power
Pia-SA57w-AC-EC	20 000 056	7916095	500	White	230V 10A 50Hz plug max. load 360W
Pia-SA67w-AC-EC	20 000 057	7916096	600	White	230V 10A 50Hz plug max. load 360W

Accessory	Code
Safera Siro or integrated Sense unit, depending on the hood type	40 000 054
Stove power control unit Safera PCU6.3, 3x16A 400 V	40 000 056
Safera leak guard	40 000 057

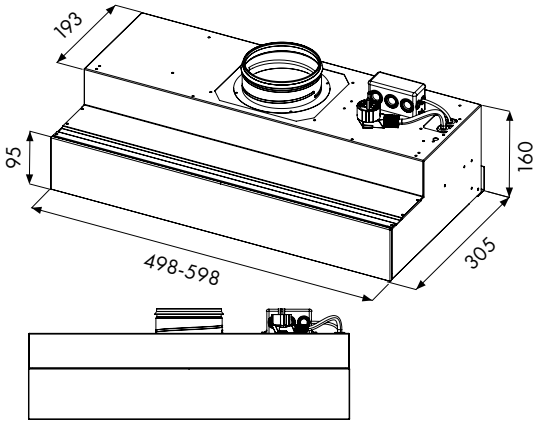
See p. 24 for the hood installed and pulled out.

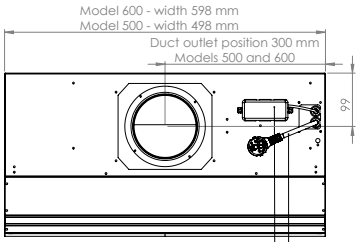
Suvi control hood

Pull-out control hood integrated in a cabinet. Airfi's control hoods are designed to control not only the smoke removal system, but also the individual air handling unit or roof ventilator.

Technical specifications

- LED lights, 2 x 4000 K
- Width 500 and 600 mm
- Pull-out, with plug
- Booster valve with electronic timer (60min)
- Touch keypad integrated in the glass
- Boosted ventilation and vacuum compensation during cooking *(Settings are adjusted during commissioning. This function can also be overridden.)*
- Back cover strip included in the delivery
- Duct connection 1 x 125 mm
- Machine-washable metal grease filter
- Accessories: AC control unit, electronic hoods (Airfi product code 40 000 063)





Model	Code	HVAC number	Width	Colour
Suvi-CF50w	20000025	7916021	500	White
Suvi-CF60w	20000026	7916022	600	White
Suvi-CF50s	20000027	7916023	500	Silver
Suvi-CF60s	20000028	7916024	600	Silver
Suvi-CF50b	20000031	7916027	500	Black
Suvi-CF60b	20000032	7916028	600	Black
Suvi-CF58w booster hood	20000043		500	White
Suvi-CF68w booster hood	20000044		600	White
Suvi-CF58s booster hood	20000047		500	Silver
Suvi-CF68s booster hood	20000048		600	Silver
Suvi-CF58b booster hood	20000045		500	Black
Suvi-CF68b booster hood	20000046		600	Black

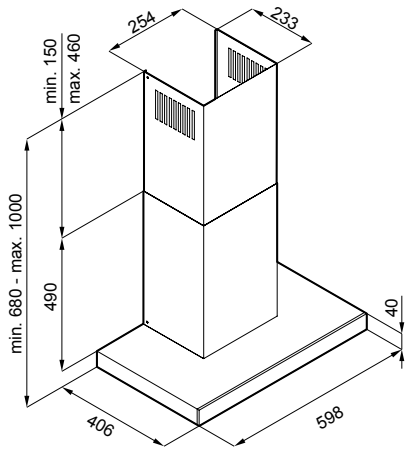
White edition
NEW

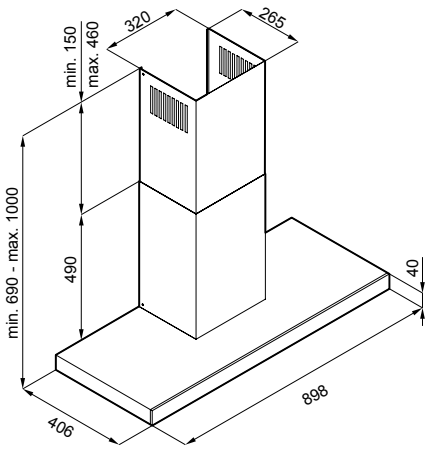
Ida control hood

A wall-mounted model with optional placement. The hood has capacitive switches integrated in the front panel. For controlling an Airfi air handling unit and an EC roof ventilator.

Details

- 2 x LED lights, 4000 K
- Width 600 and 900 mm
- Booster valve with electronic timer (60 min)
- Duct connector size 1 x 125 mm
- Duct cover included in delivery
- Boosted ventilation and vacuum compensation during cooking (Settings are adjusted during commissioning. This function can also be overridden.)





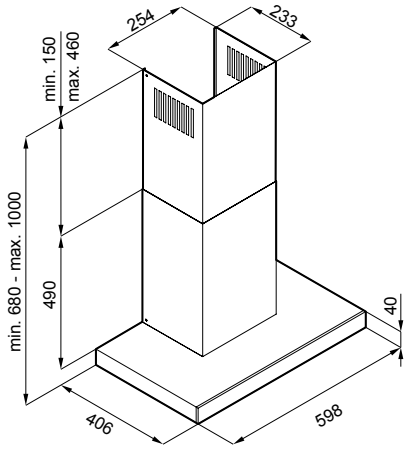
Model	HVAC number	Width	Code	Colour
Ida-CC60w control hood	7916076	600	20000058	White
Ida-CC90w control hood	7916077	900	20000059	White
Ida-CC68w booster hood		600	20000064	White
Ida-CC98w booster hood		900	20000065	White

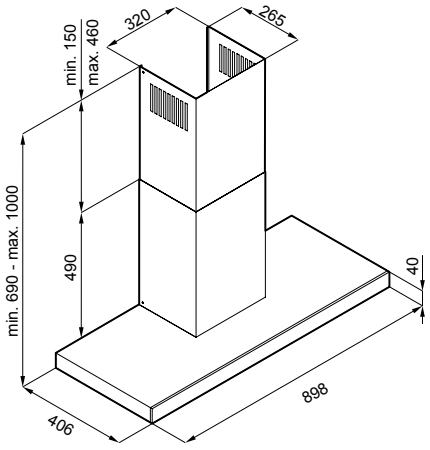
Ida control hood

A wall-mounted model with optional placement. The hood has capacitive switches integrated in the front panel. For controlling an Airfi air handling unit and an EC roof ventilator.

Details

- 2 x LED lights, 4000 K
- Width 600 and 900 mm
- Booster valve with electronic timer (60 min)
- Duct connector size 1 x 125 mm
- Duct cover included in delivery
- Boosted ventilation and vacuum compensation during cooking (Settings are adjusted during commissioning. This function can also be overridden.)





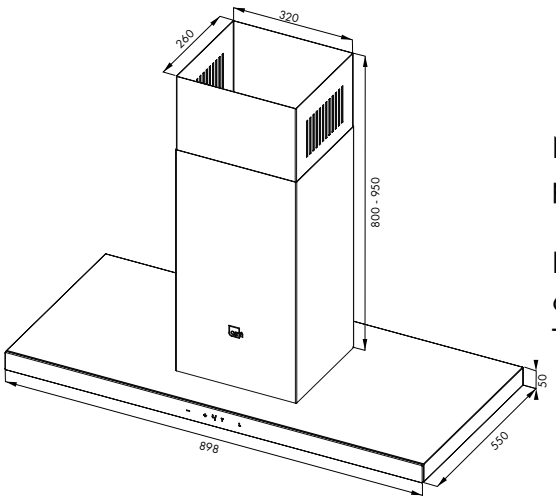
Model	Code	HVAC number	Width	Colour
Ida-CC60s control hood	20000037	7916052	600	Black/stainless
Ida-CC90s control hood	20000038	7916053	900	Black/stainless
Ida-CC68s booster hood	20000049		600	Black/stainless
Ida-CC98s booster hood	20000050		900	Black/stainless

Eva control hood

Freely mounted island-type model with adjustable installation height. The hood has capacitive switches integrated in the front panel. For controlling an Airfi air handling unit and an EC roof ventilator.

Details

- 4 x LED lights, 4000 K
- Booster valve with electronic timer (60 min)
- Duct connector size 1 x 125 mm
- Duct cover included in delivery
- Boosted ventilation and vacuum compensation during cooking (Settings are adjusted during commissioning. This function can also be overridden.)



Normal adjustment tolerance for mounting protection and duct cover 800–950 mm

Extra compact delivery available on request 650–800 mm (MENTION WHEN PLACING THE ORDER)

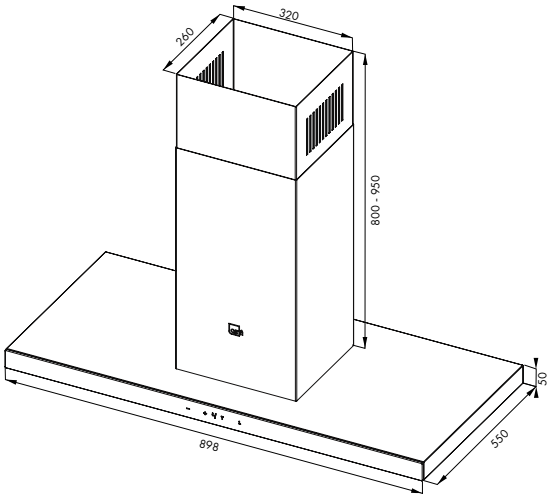
Model	Code	HVAC number	Width	Colour
Eva-CD90w control hood	20000060	7916078	900	White
Eva-CD98w booster hood	20000066		900	White

Eva control hood

Freely mounted island-type model with adjustable installation height. The hood has capacitive switches integrated in the front panel. For controlling an Airfi air handling unit and an EC roof ventilator.

Details

- 4 x LED lights, 4000 K
- Booster valve with electronic timer (60 min)
- Duct connector size 1 x 125 mm
- Duct cover included in delivery
- Boosted ventilation and vacuum compensation during cooking (Settings are adjusted during commissioning. This function can also be overridden.)



Normal adjustment tolerance for mounting protection and duct cover 800–950 mm

Extra compact delivery available on request 650–800 mm (MENTION WHEN PLACING THE ORDER)

Model	Code	HVAC number	Width	Colour
Eva-CD90s control hood	20000040	7916055	900	Black/stainless
Eva-CD98s booster hood	20000051		900	Black/stainless

Central hoods

EXHAUST HOODS

Central hoods

Airfi central hoods are designed for centralised air handling systems. The hood is designed to make installation and adjustment easy and effortless. Performance values are measured with a pressure gauge without separate measuring hooks. From the same point, the desired normal air flow rate and the desired enhanced air flow rate can be measured. The fire valve is removable behind the grease filter.

Airfi central hoods meet the airborne sound insulation requirements of the relevant building regulations. All the central hoods also comply with the measurement standard SFS-EN-ISO 10140-2 and ISO 717-1.

Washable grease filter
Metallic machine-washable grease filter.

LED lights
Ecological and long-lasting LED lights.

Fire valve
Safe and type-approved

Effective smoke removal
The hood allows for effective smoke removal.

Fixed structure
Durable product with a metal structure.

Quick to install
Easy and quick installation.

Soundproofed
Silent running sound.

Safera safety technology
Some products are compatible with Safera safety technology.

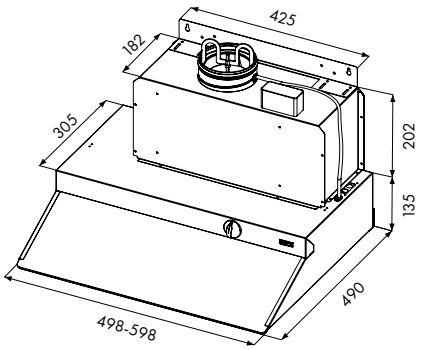
Pia central hood

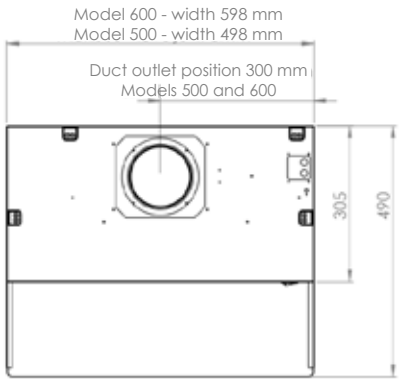
A classic cabinet-mounted central hood for centralised air handling systems. Quick to install in cabinets of different depths. The fire valve is removable behind the grease filter.

Technical specifications

- LED lights, 2 x 3 W 4000 K
- Width 500 and 600 mm
- Type-approved fire valve
- Fixed structure, with plug
- Booster valve with mechanical timer (60 min)
- Signal of flap position:
  1. Voltage-free status signal (standard)
  2. Compensating damper 24VDC control (max. 7 W) (accessory 40 000 062)
  3. Compensating damper 230VAC control (standard)

  NB: Choose the right connection cable between the compensating device and the hood.
- Back cover strip included in the delivery
- Duct connection 1 x 125 mm
- Machine-washable metal grease filter
- Available with Safera safety technology





SAFERA®
We sense what humans don't

Model	Code	HVAC number	Width	Colour
Pia-SA55w	20000015	7916011	500	White
Pia-SA65w	20000016	7916012	600	White

Accessory	Code
Transformer 230 VAC–24 VDC for compensating damper control	40000062
Safera Siro or integrated Sense unit, depending on the hood type	40000054
Stove power control unit Safera PCU6.3, 3x16A 400 V	40000056
Safera leak guard	40000057

See p. 24 for the hood installed and pulled out.

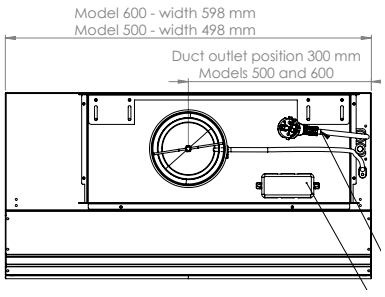
Suvi central hood

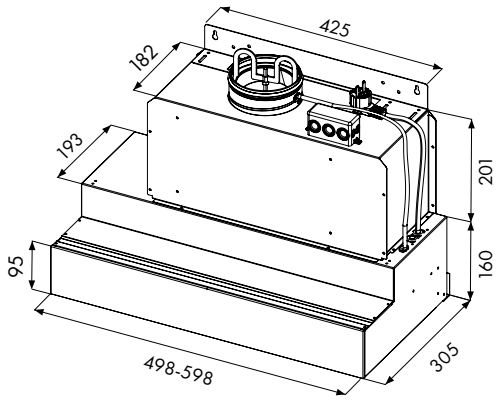
Pull-out central hood integrated in a cabinet. Airfi central hoods are designed for centralised air handling systems. Quick to install in cabinets of different depths. The fire valve is removable behind the grease filter.

Technical specifications

- LED lights, 2 x 4000 K
- Width 500 and 600 mm
- Type-approved fire valve
- Pull-out, with plug
- Booster valve with timer
- Signal of flap position:
  1. Voltage-free status signal (standard)
  2. Compensating damper 24VDC control max. 7 W (standard)

  NB: When connected, a short-circuit element is used to select whether to use voltage-free or 24VDC compensation data.
- Touch keypad integrated in the glass
- Back cover strip included in the delivery
- Duct connection 1 x 125 mm
- Machine-washable metal grease filter





Model	Code	HVAC number	Width	Colour
Suvi-CF55w	20000021	7916017	500	White
Suvi-CF65w	20000022	7916018	600	White
Suvi-CF55s	20000023	7916019	500	Silver
Suvi-CF65s	20000024	7916020	600	Silver
Suvi-CF55b	20000033	7916029	500	Black
Suvi-CF65b	20000034	7916030	600	Black

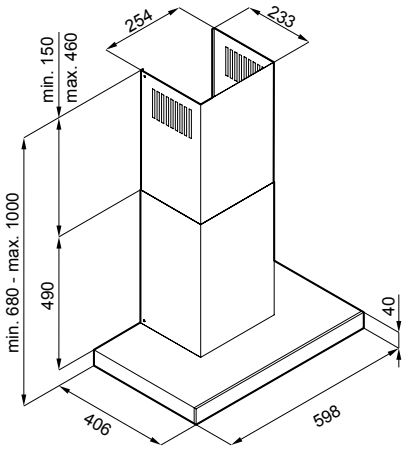
Ida central hood

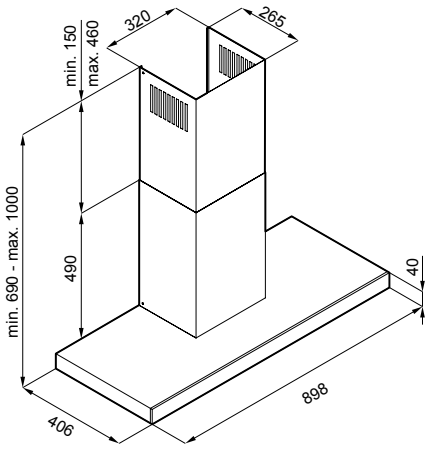
A wall-mounted model with optional placement. The hood has capacitive switches integrated in the front panel. Airfi central hoods are designed for centralised air handling systems.

Technical specifications

- LED lights, 2 x 4000 K
- Width 600 and 900 mm
- Booster valve with timer
- Duct connector size 1 x 125 mm
- Type-approved fire valve
- Machine-washable metal grease filter
- Signal of flap position:
  1. Voltage-free status signal (standard)
  2. Compensating damper 24VDC control max. 7 W (standard)

  NB: When connected, a short-circuit element is used to select whether to use voltage-free or 24VDC compensation data.





Model	HVAC number	Width	Code	Colour
East CC65w	7916079	600	20000061	White
East CC95w	7916080	900	20000062	White

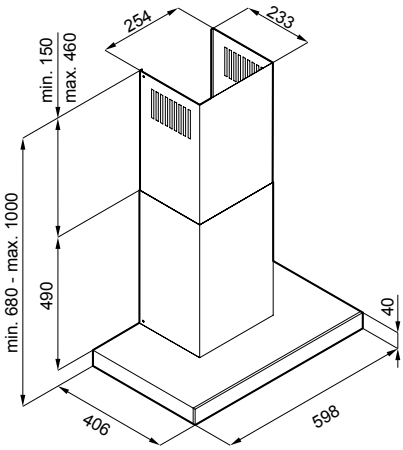
Ida central hood

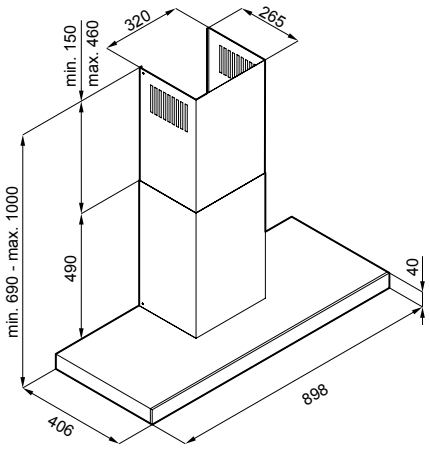
A wall-mounted model with optional placement. The hood has capacitive switches integrated in the front panel. Airfi central hoods are designed for centralised air handling systems.

Technical specifications

- LED lights, 2 x 4000 K
- Width 600 and 900 mm
- Booster valve with timer
- Duct connector size 1 x 125 mm
- Type-approved fire valve
- Machine-washable metal grease filter
- Signal of flap position:
    1. Voltage-free status signal (standard)
    2. Compensating damper 24VDC control max. 7 W (standard)

    NB: When connected, a short-circuit element is used to select whether to use voltage-free or 24VDC compensation data.





Model	HVAC number	Width	Code	Colour
East CC65s	7916050	600	20000035	Black/stainless
East CC95s	7916051	900	20000036	Black/stainless

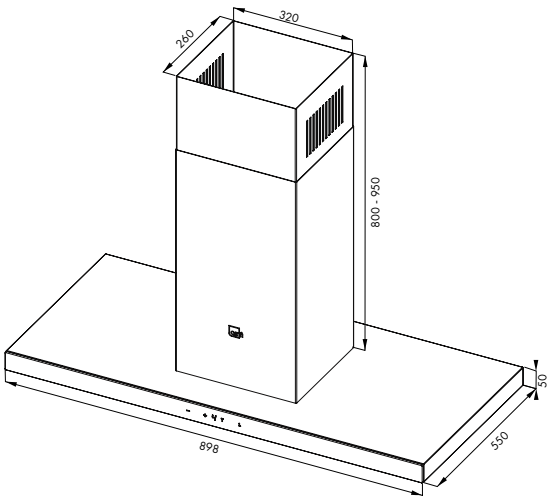
Eva central hood

Freely mounted island-type model. The hood has capacitive switches integrated in the front panel. Airfi central hoods are designed for centralised air handling systems.

Technical specifications

- LED lights, 4 x 4000 K
- Duct connector size 1 x 125 mm
- Booster valve with timer
- Type-approved fire valve
- Machine-washable metal grease filter
- Signal of flap position:
  1. Voltage-free status signal (standard)
  2. Compensating damper 24VDC control max. 7 W (standard)

  NB: When connected, a short-circuit element is used to select whether to use voltage-free or 24VDC compensation data.



Normal adjustment tolerance for mounting protection and duct cover 800–950 mm

Extra compact delivery available on request 650–800 mm (MENTION WHEN PLACING THE ORDER)

Model	Code	HVAC number	Width	Colour
Eva-CD95w	20000063	7916081	900	White

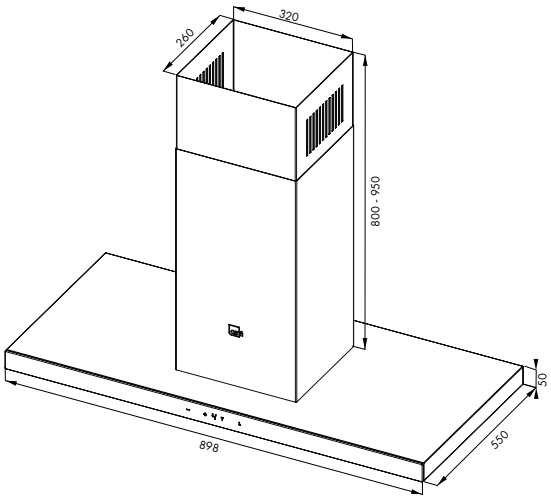
Eva central hood

Freely mounted island-type model. The hood has capacitive switches integrated in the front panel. Airfi central hoods are designed for centralised air handling systems.

Technical specifications

- LED lights, 4 x 4000 K
- Duct connector size 1 x 125 mm
- Booster valve with timer
- Type-approved fire valve
- Machine-washable metal grease filter
- Signal of flap position:
    1. Voltage-free status signal (standard)
    2. Compensating damper 24VDC control max. 7 W (standard)

    NB: When connected, a short-circuit element is used to select whether to use voltage-free or 24VDC compensation data.



Normal adjustment tolerance for mounting protection and duct cover 800–950 mm

Extra compact delivery available on request 650–800 mm (MENTION WHEN PLACING THE ORDER)

Model	Code	HVAC number	Width	Colour
Eva-CD95s	20000039	7916054	900	Black/stainless

Cooker hoods

EXHAUST HOODS

Cooker hoods

Airfi's portfolio also includes cooker hoods. Cooker hoods always have an integrated fan. An optional charcoal filter is also available for Airfi cooker hoods if the exhaust of extract air is not possible.

Washable grease filter
Metallic machine-washable grease filter.

LED lights
Ecological and long-lasting LED lights.

A simple solution
Better air quality in an old kitchen with a charcoal filter

Charcoal filter
Optional charcoal filters are available for cooker hoods

Fixed structure
Durable product with a metal structure.

Quick to install
Easy and quick to install.

Plug connection
A safe and fast connector for all hoods.

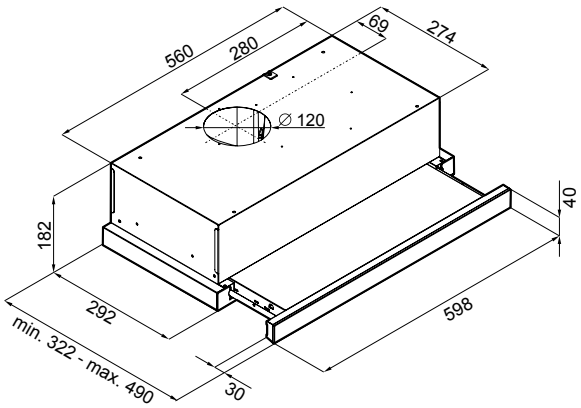
Easy to use
Simple control panel

Ava cooker hood

Pull-out cooker hood integrated in a cabinet. The cooker hood has capacitive switches integrated in the front panel. A model with its own fan and cable coupling.

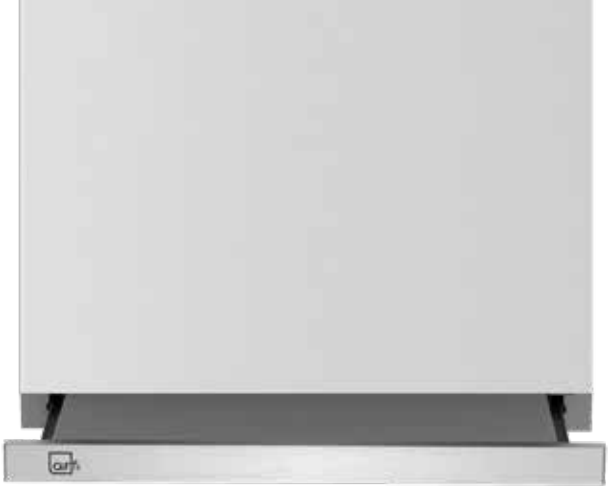
Details

- 2 x LED lights, 3400 K
- Duct connector size 1 x 120 mm
- Minimum/maximum suction power 275/500 (m^3/h)
- Sound levels: min. 48 dB / max. 50 dB
- 85 W motor
- Energy class D
- Available with a charcoal filter



Model	Code	HVAC number	Width	Colour
Ava-CB61w	20000007	7916004	600	White
Ava-CB61b	20000008	7916005	600	Black

Accessory	Code	HVAC number
Charcoal filter Ava-CB61s, Ava-CB61w	40000032	7916070

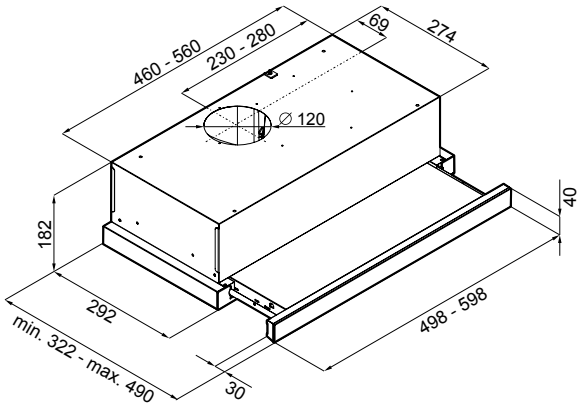


Rosa cooker hood

Pull-out cooker hood integrated in a cabinet. There is an electric switch on the hood body A model with its own fan and cable coupling.

Details

- 2 x LED lights, 3400 K
- Width 500 and 600 mm
- Duct connector size 1 x 120 mm
- Minimum/maximum suction power: 135–141/190–198 (m^3/h)
- Sound levels: min. 48 dB / max. 50 dB
- 90 W motor
- Energy class D
- Available with a charcoal filter



Model	Code	HVAC number	Width	Colour
Rosa-SC51w	20000003	7916000	500	White
Rosa-SC61w	20000004	7916001	600	White
Rosa-SC51s	20000005	7916002	500	Stainless
Rosa-SC61s	20000006	7916003	600	Stainless

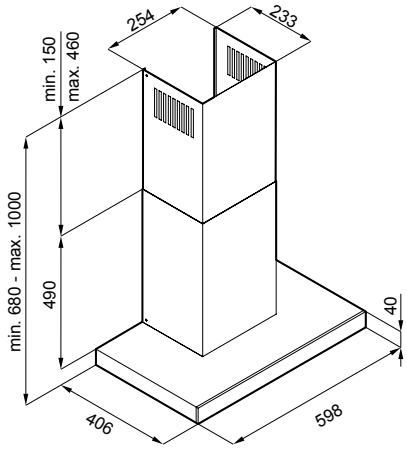
Accessory	Code	HVAC number
Charcoal filter Rosa-SC61s, Rosa-SC61w, Rosa-SC51s, Rosa-SC51w	40000033	7916071

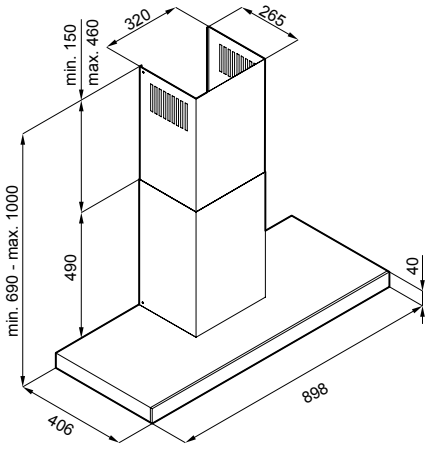
Ida cooker hood

A wall-mounted model with optional placement. The cooker hood has capacitive switches integrated in the front panel. A model with its own fan and cable coupling.

Details

- 2 x LED lights, 3400 K
- Width 600 and 900 mm
- Exhaust hood timer 10–90 min.
- Duct connector size 1 x 150 mm
- Minimum/maximum suction power 275/500 (m^3/h)
- Sound levels: min. 50–52 dB/max. 63–66 dB
- 250 W motor
- Energy class C
- Available with a charcoal filter





Model	HVAC number	Width	Code	Colour
East CC61s	7916006	600	20000009	Black/stainless
East CC91s	7916007	900	20000010	Black/stainless

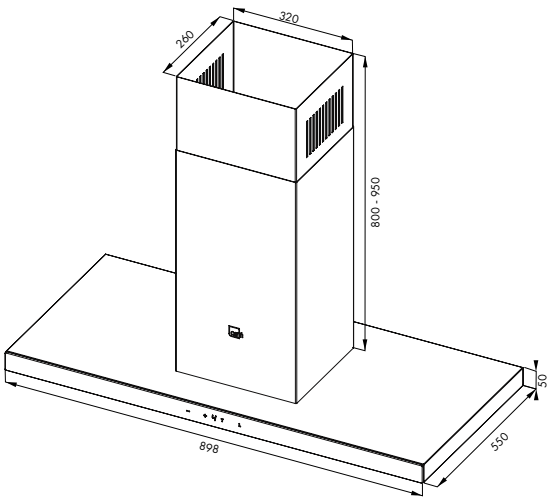
Accessory	Code	HVAC number
Charcoal filter Ida-CC61s	40000031	7916069
Charcoal filter Eva-CD91s, Ida-CC91s	40000030	7916068

Eva cooker hood

Freely mounted island-type model with adjustable installation height. The cooker hood has capacitive switches integrated in the front panel. A model with its own fan and cable coupling.

Details

- 4 x LED lights, 3400 K
- Exhaust hood timer 10–90 min.
- Duct connector size 1 x 150 mm
- Minimum/maximum suction power 320/530 (m^3/h)
- Sound levels: min. 52 dB / max. 66 dB
- 275 W motor
- Energy class B
- Duct cover included in delivery
- Available with a charcoal filter



Model	Code	HVAC number	Width	Colour
Eva-CD91s	20000011	7916008	900	Black/stainless

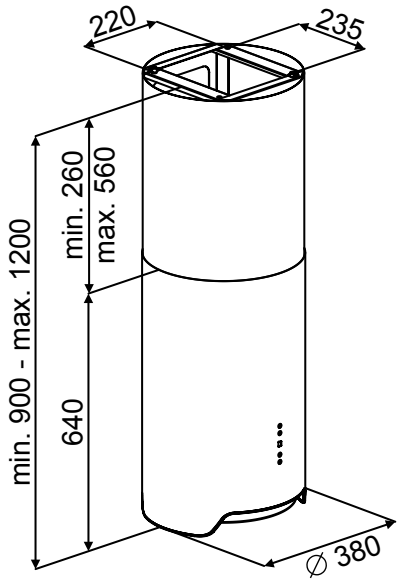
Accessory	Code	HVAC number
Charcoal filter Eva-CD91s, Ida-CC91s	40000030	7916068

Sara cooker hood

Freely mounted island-type cooker hood. Anthracite shell with electronic soft touch controls. Machine-washable grease filter. Cable coupling.

Details

- LED lights, 3400 K
- Exhaust hood timer 10–90 min.
- Duct connector size 1 x 120 mm
- Minimum/maximum suction power 278/510 (m^3/h)
- Sound levels: min. 52 dB / max. 62 dB
- 250 W motor
- Energy class B
- Available with a charcoal filter



Model	Code	HVAC number	Colour
Sara-EA01a	20000012	7916009	Anthracite

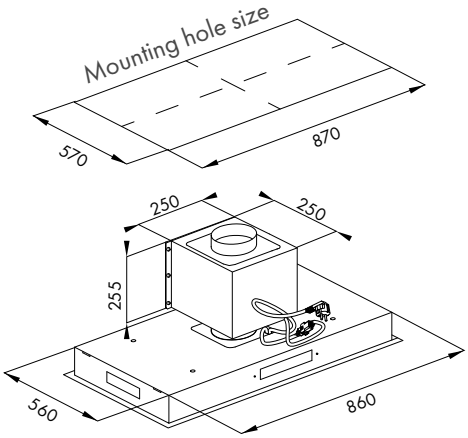
Accessory	Code	HVAC number
Charcoal filter Sara-EA01a	40000029	7916067

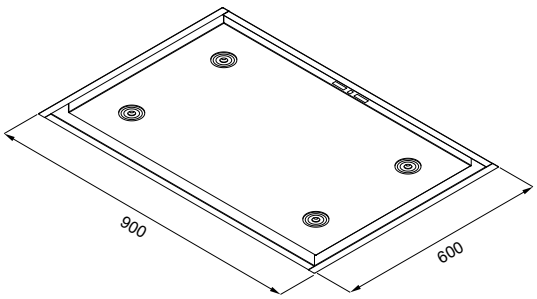
Jade cooker hood

Ceiling-mounted island-type cooker hood. Controllable by remote control or from the screen with a capacitive controller. Machine-washable grease filters. Four different suction power levels.

Details

- 4 x LED lights, 3400 K
- Exhaust hood timer 10–90 min.
- Duct connector size 1 x 150 mm
- Minimum/maximum suction power 260/585 (m^3/h)
- Sound levels: min. 52 dB / max. 62 dB
- 250 W motor
- Energy class C
- Remote controller included
- Available with a charcoal filter
- The fan unit can also be placed further into the duct system.





Model	Code	HVAC number	Colour
Jade-EB01w	20000013	7916010	White

Accessory	Code	HVAC number
Charcoal filter Jade-EB01w	40000028	7916066

Accessories

Silencers

Effective noise reduction

Airfi silencers have been designed to meet the increasingly strict noise level standards. An air handling unit should always be fitted with effective silencers, so that the sound entering the apartment is effectively attenuated. Sound from the air handling unit can only be properly attenuated by silencers designed for residential buildings and correctly installed. The result is a quiet and compliant living environment.

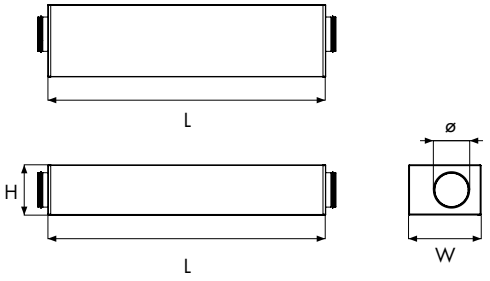
Clean and safe product

The silencers are designed with high-quality and clean materials to ensure good sound absorption. Silencers are available as straight and angular versions. Angular silencers provide better sound attenuation and allow the silencer to fit into a smaller space. We also supply special silencers for special applications.

The inner part of the Airfi silencers is fitted with a perforated plate, if necessary. Basic silencers are supplied without a plate.

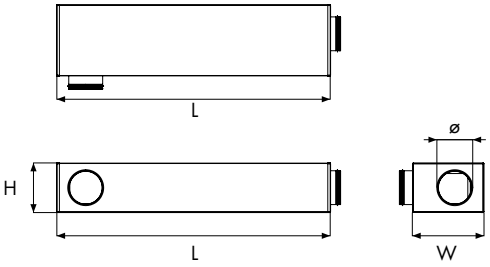
EMISSION CLASSIFICATION OF BUILDING MATERIALS
M1

Technical specifications



Model	Code	LVI	ø	L	W	H	Weight
Airfi - straight 125-1000	41125100	8329700	125	1005	260	180	7 kg
Airfi - straight 160-1000	41160100	8329702	160	1005	300	210	7 kg
• Airfi - straight 200-1000	42200100	8329704	200	1005	315	250	8 kg

- Inner pipe with perforated plate



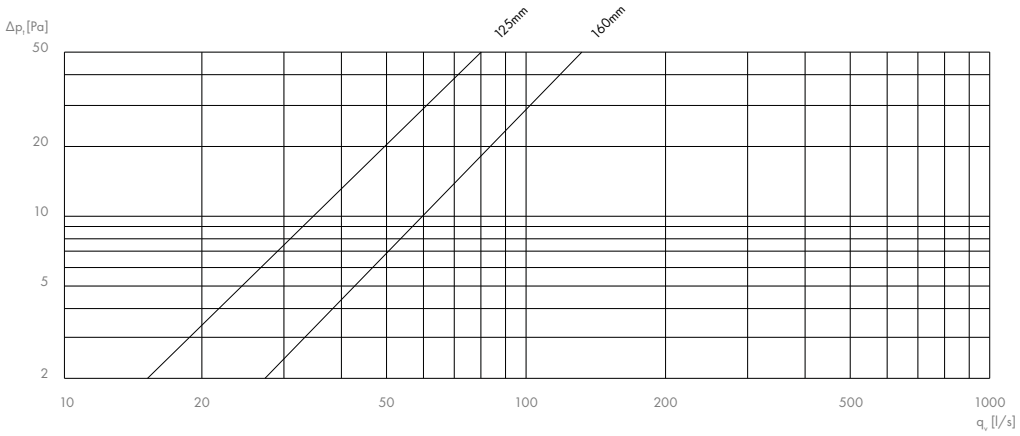
Model	Code	LVI	ø	L	W	H	Weight
Airfi - angular 125-1000	45125100	8329705	125	1030	260	180	8 kg
Airfi - angular 160-1000	45160100	8329706	160	1030	300	210	8 kg

Noise information

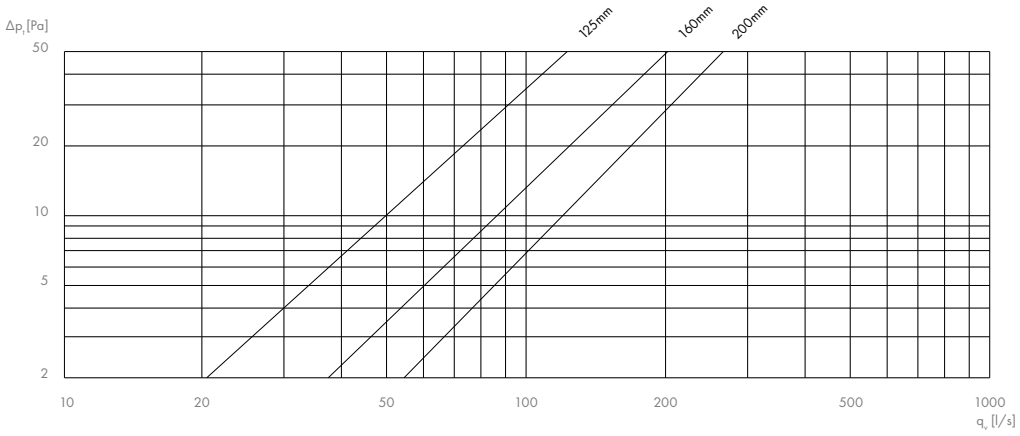
Type	ø	63	125	250	500	1K	2K	4K	8K
Airfi straight 125-1000	125	11	13	16	24	35	37	35	28
Airfi straight 160-1000	160	9	10	13	19	30	33	23	17
Airfi angular 125-1000	125	11	12	16	22	37	44	44	33
Airfi angular 160-1000	160	11	9	14	26	33	41	34	32
Airfi straight 200-1000	200	8	5	10	15	23	27	13	10

Pressure losses

Angular silencers



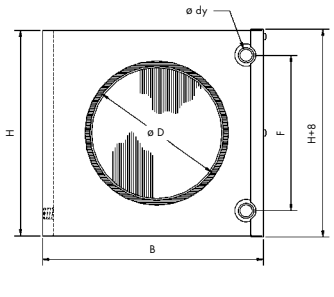
Straight silencers

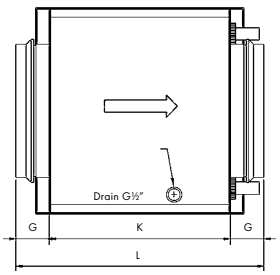


Duct radiators

CWK series water-cooled circular duct heaters are used to cool the air circulating in the air handling system. The CWK model can also be used on its own to cool individual rooms or areas.

	Air flow rate	Pressure losses	Air in	Air in	Air out	Power	Water flow	Pressure loss on water side
	m^3/h	**Pa**	**°C**	**% RH**	**°C**	**kW**	**l/s**	**kPa**
Power CWK 160-3-2,5	145	9	25	50	13,1	0,7	0,03	4,4
	145	10	30	45	13,9	1,1	0,04	9,8
	250	21	25	50	14,4	1,1	0,04	9,4
	250	22	30	45	15,9	1,6	0,06	20,2
	355	38	25	50	15,3	1,3	0,05	14,6
	355	40	30	45	17,3	2,0	0,08	31,2
Power CWK 200-3-2,5	255	9	25	50	13,4	1,2	0,05	2,5
	255	9	30	45	14,1	1,9	0,07	5,8
	390	16	25	50	14,2	1,7	0,07	4,7
	390	17	30	45	15,5	2,5	0,10	10,3
	555	29	25	50	15,1	2,1	0,08	7,4
	555	30	30	45	16,8	3,2	0,13	16,1
Power CWK 250-3-2,5	360	7	25	50	13,1	1,7	0,07	2,3
	360	8	30	45	13,6	2,7	0,11	5,4
	630	17	25	50	14,1	2,7	0,11	5,3
	630	18	30	45	15,4	4,1	0,16	11,5
	900	29	25	50	15,0	3,5	0,14	8,4
	900	31	30	45	16,8	5,3	0,21	17,8





Model	øD mm	B mm	H mm	ødy mm	F mm	G mm	K mm	L mm	Piping internal volume	Weight	Code	HVAC number
CWK 160-3-2.5	160	326	255	10	175	40	276	356	0.42 l	6.2 kg	40000045	7916073
CWK 200-3-2.5	200	411	330	22	250	40	276	356	0.96 l	8.8 kg	40000046	7916074
CWK 250-3-2.5	250	486	405	22	325	40	276	356	1.35 l	11.5 kg	40000047	7916075

Santeri damper

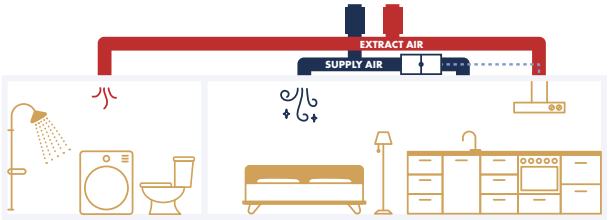
The installed and adjusted compensating unit balances the vacuum during the boost of the general exhaust and the exhaust hood. Vacuum balancing is achieved by the compensating unit receiving a signal from the exhaust hood when the hood's boost damper is opened, thus increasing the corresponding amount of supply air flow to the apartment.

Example

The damper unit can be used to balance the ventilation. For example, in a block of flats, the negative pressure caused by an exhaust hood's booster function can be compensated by increasing the supply air flow rate.

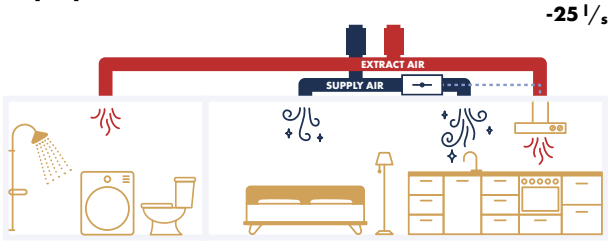
Exhaust hood flap closed:

0 l/s



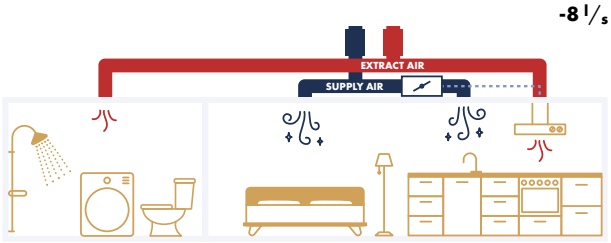
Exhaust hood flap open:

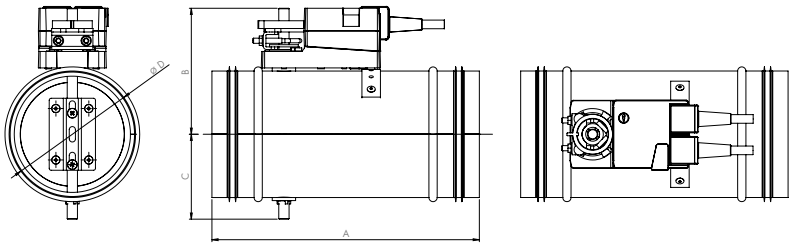
-25 l/s



Exhaust hood general exhaust (basic air flow rate):

-8 l/s





Model	P/N	LVI	øD	A	B	C	Type	Supply voltage	Exhaust hood
Santeri-125-LM24A	40000058	8417700	125	260	125	80	Compensator	24 V	Suvi, Ida and Eva
Santeri-125-LF24	40000059	8417701	125	260	160	80	Spring return actuator	24 V	Suvi, Ida and Eva
Santeri-125-LM230A	40000060	8417702	125	260	125	80	Compensator	230 V	Pia
Santeri-125-LF230	40000061	8417703	125	260	160	80	Spring return actuator	230 V	Pia

The damper is also available in size 160 mm (delivery).

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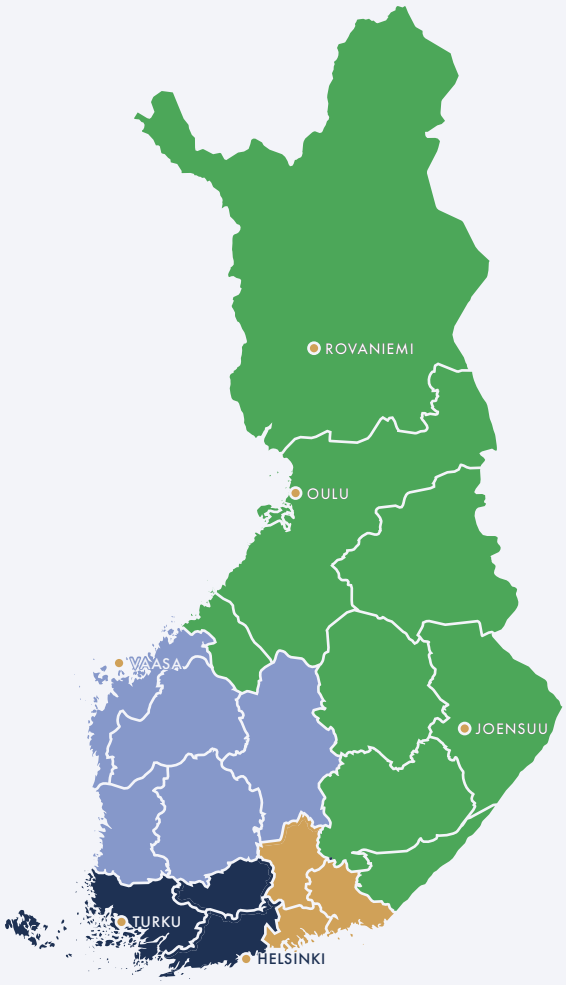

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