



Product Catalogue



AIR HANDLING UNITS



EXHAUST HOODS



ACCESSORIES



MORE THAN PURE AIR

Sustainable actions for the environment

Beyond environmental protection.

Our vision extends beyond safeguarding the environment. We prioritize initiatives that contribute to long-term sustainability, including community investments and fostering a diverse workforce.

Long-term development.

As a relatively young company we embrace the opportunity to integrate sustainability into our core operations from the beginning, ensuring a future-proof and environmentally conscious foundation.

Partnering for sustainability.

We collaborate with suppliers, logistics companies, and other partners to reduce environmental impact and promote social responsibility throughout the supply chain.

Everyday actions

Multicultural organization.

We are a multicultural organization. Equality is realized in our company in such a way that everyone has the same opportunities to progress and develop.

Recycle everything.

We sort and recycle all waste generated from our operations.

2+4 YEARS
WARRANTY
EXTRA WARRANTY
AIR HANDLING UNITS

Warranty 2+4 years

We believe that products should be made to last, and we are committed to designing and manufacturing products that are durable, repairable, and recyclable.

Please visit our website for the latest and most detailed warranty terms and conditions: airfi.eu

Eco-friendly by design



Minimized environmental impact

We consider the environmental impact at every stage, from design and manufacturing to materials and longevity.



Design for long lifespan

Units are built to last, minimizing waste and resource consumption far into future.



Future-proofing

Easy maintenance, and part replacements extend lifespan, reducing replacement needs.



Responsible materials

Recycled and recyclable materials are used whenever possible, with 100% recyclable metal and eco-friendly coatings.



Optimized packaging

Unit packaging is designed for optimized pallet transportation, eliminating wasted space.



Minimized manufacturing waste

Through thoughtful design and responsible practices, our manufacturing process generates minimal waste.

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 just 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).



High living comfort

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



Quick installation

Quick and easy installation on a ceiling bracket.



Uniform temperature

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



AFPS™ technology

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



Unit controls

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



Condensate removal

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



Building automation control systems

Connectivity to common home automation systems as standard.



**Model
60**



**Model
100**



**Model
130**



**Model
150**



**Model
250/350**

dB kit for silent ventilation

Our **dB kit** has been developed according to customer requirements for applications where the noise level should be minimal. The noise levels of the dB kit 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 kit 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

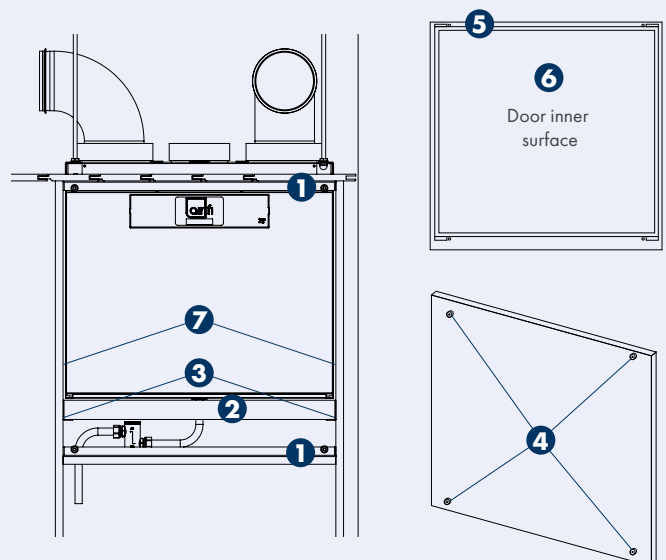
You can also find the calculation programme on our website at airfi.fi.



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 kit does not include the cabinet frame and door.



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	41 kg	42,5 kg	44 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)	385 m³/h (107 dm³/s)	385 m³/h (107 dm³/s)	511 m³/h (142 dm³/s)
Max. supply air flow rate (100 Pa)	356 m³/h (99 dm³/s)	342 m³/h (95 dm³/s)	450 m³/h (125 dm³/s)
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
Apartment size max. m² *	200 m²	200 m²	250 m²
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

* Implementation according to designer's ventilation plan.



Dimensions (width x height x depth)	700 x 850 x 645	998 x 1475 x 650	998 x 1475 x 650
Weight	81 kg	168 kg	168 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)	648 m³/h (180 dm³/s)	Electric 954 m³/h (265 dm³/s) Water 954 m³/h (265 dm³/s)	Electric 1325 m³/h (368 dm³/s) Water 1325 m³/h (368 dm³/s)
Max. supply air flow rate (100 Pa)	572 m³/h (159 dm³/s)	Electric 893 m³/h (248 dm³/s) Water 875 m³/h (243 dm³/s)	Electric 1256 m³/h (349 dm³/s) Water 1242 m³/h (345 dm³/s)
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
Apartment size max. m²*	300 m²	450 m²	550 m²
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

* Implementation according to designer's ventilation plan.

Dimensional drawings



Model 60

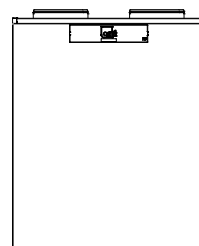
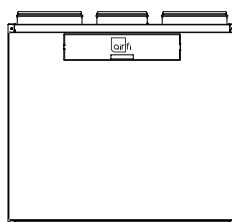
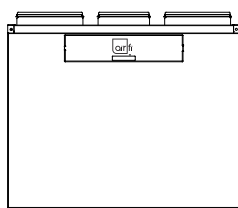


Model 100/130

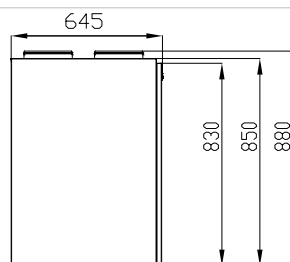
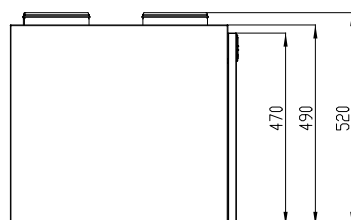
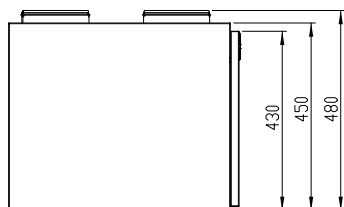


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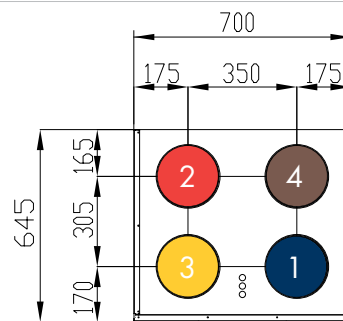
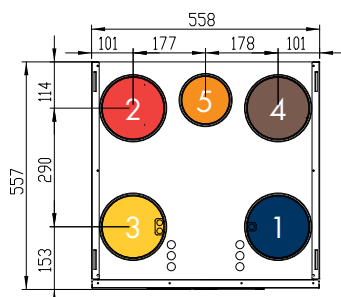
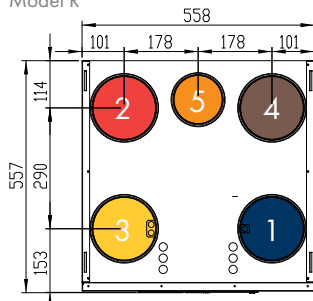
Front



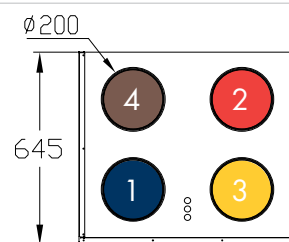
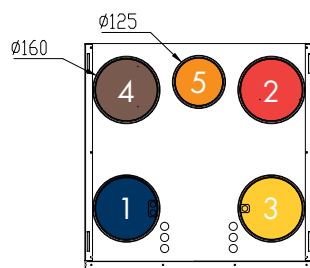
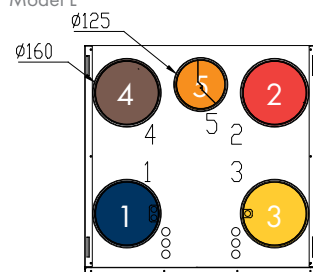
Side



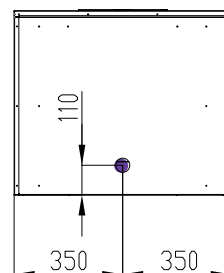
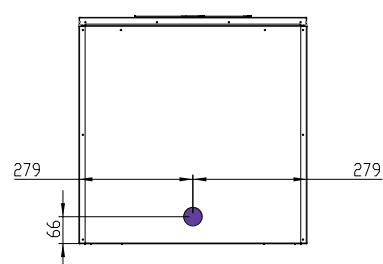
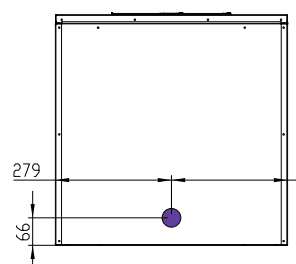
Model R



Model L



Bottom



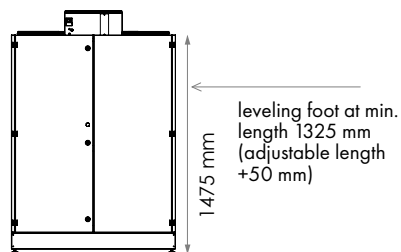
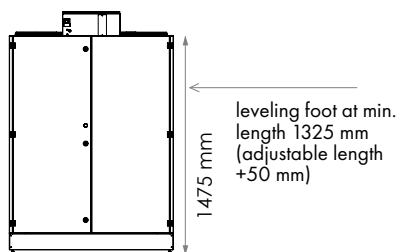


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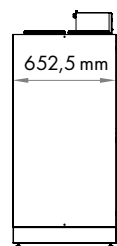


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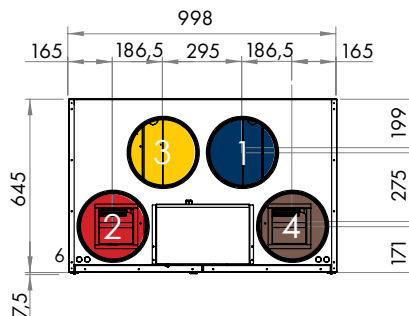
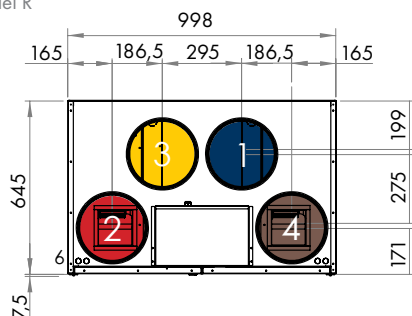
Front



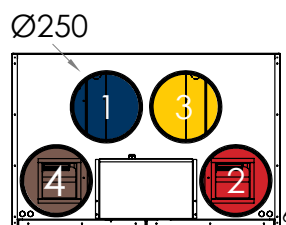
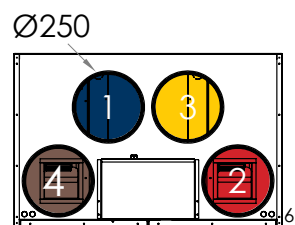
Side



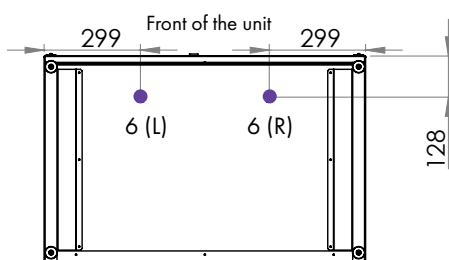
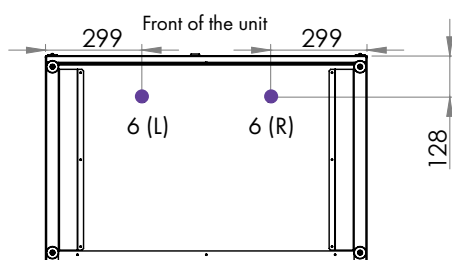
Model R



Model L



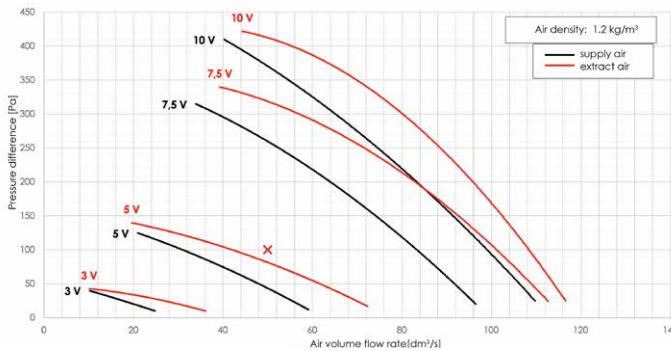
Bottom



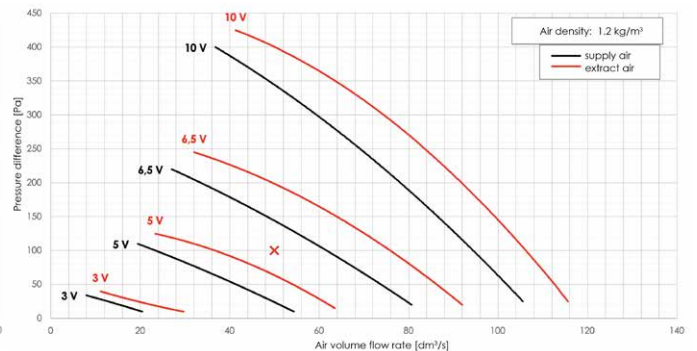


Air flow rate

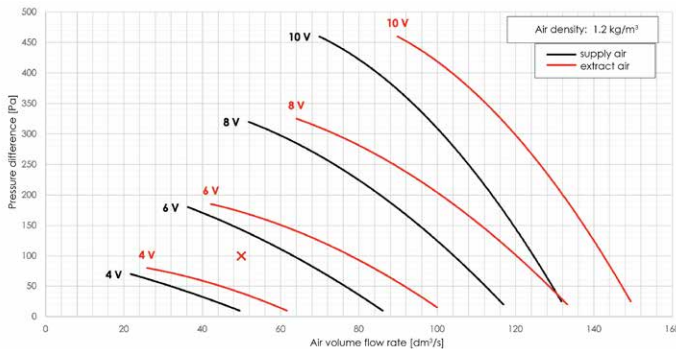
Model 60



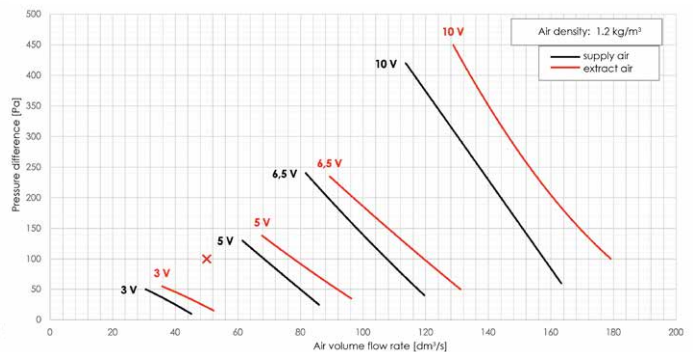
Model 100



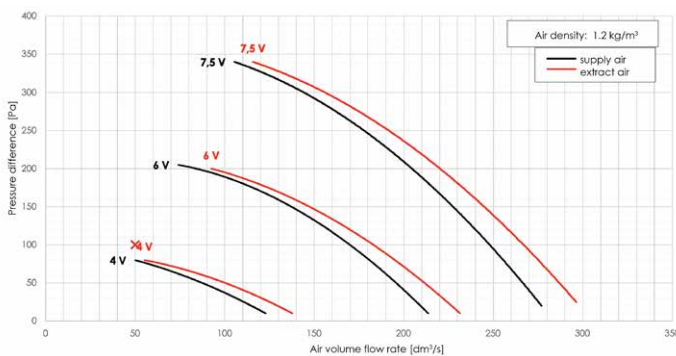
Model 130



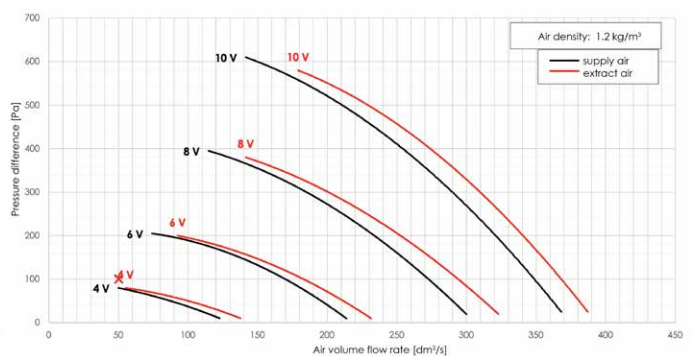
Model 150



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

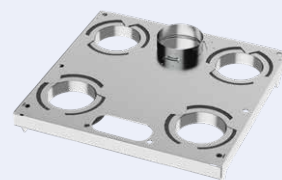
Model	Code	HVAC number
Ceiling mount bracket 160-125-K: Model 60, 100, 130	40000013	7916031
Ceiling mount bracket 160-160-K: Model 60, 100, 130	40000014	7916032
Vapour barrier filler plate: Model 60/100/130	40000015	7916033
Wall bracket: Model 60/100/130	40000016	7916034
Mounting set: Model 150	40000039	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 kit, 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

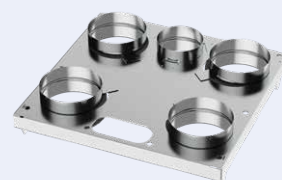
Model 60
with ceiling mount bracket
and Airfi water seal



Airfi water seal
40 000 053



Ceiling mount bracket 160-125-K
40 000 013



Ceiling mount bracket 160-160-K
40 000 014

Controls

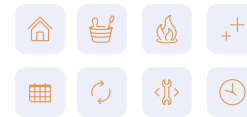
With simple and modern controls, you can easily control the air handling unit. You can also download the Airfi App to your existing smart devices.



**Mille
Wi-Fi**



**Mille
WIRE**

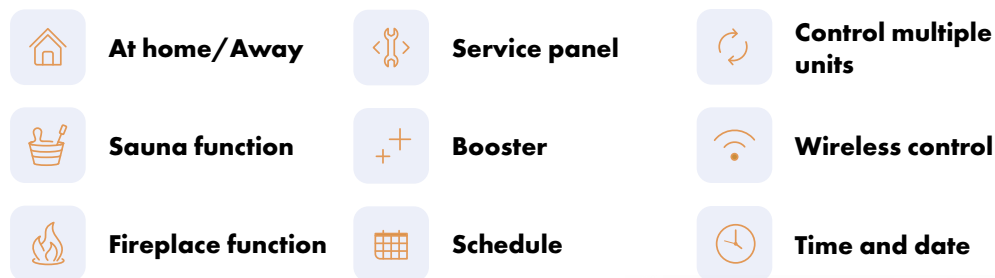


Sento



Uno

The Uno control panel has five speeds.



Airfi App

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



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



AFPS™

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.

