

airfi

A+

>288 m<sup>3</sup>/h

## Model 53 mini

Compact air handling unit with  
maximum airflow performance

TEHTY SUOMESSA  
MADE IN FINLAND

MORE THAN PURE AIR

# Model 53 mini – A compact air handling unit for small spaces

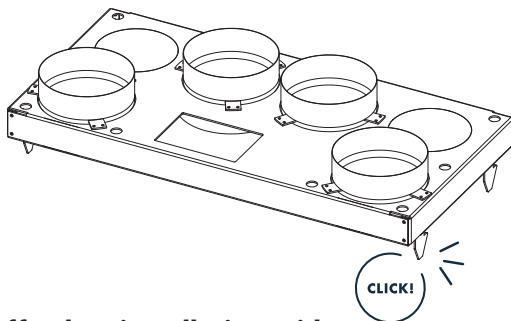


## Design inspired by customer wishes

The Model 53 Mini has been developed based on customer feedback. This compact air handling unit is suitable for spaces up to 160 m<sup>2</sup> and offers extreme energy efficiency and reliability. The air handling unit is equipped with a heat recovery cell and postheater usage occurs only when needed. Model 53 Mini also features the patented AFPS™ frost protection technology and extensive connectivity options for various BMS systems.

## Air handling unit with maximum airflow and compact size

The Model 53 Mini saves space in depth, with dimensions of only 320 mm deep, 665 mm high, and 598 mm wide. Despite its compact size, it delivers excellent airflow performance. Due to its small size, the unit is easy to install in bathroom areas while still meeting accessibility requirements.

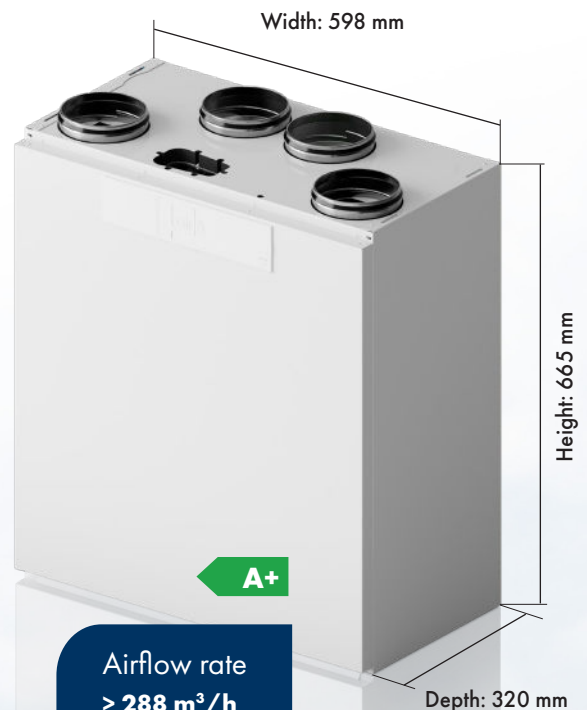


## Effortless installation with Click ceiling mount bracket

The Model 53 Mini's own ceiling mount bracket makes the installation of the ventilation unit quick and effortless. Units can be easily put in place and removed to make way for other work phases. Secure locking is confirmed at a glance. The ceiling mount bracket fits both right- and left-handed Model 53 Mini units.

## Reliability and customer satisfaction combined

With Airfi air handling units, you can streamline your installation process, reduce labor costs, and enhance customer satisfaction. Our commitment to installer-friendly design and exceptional reliability makes Airfi the clear choice for professionals who demand the best for their clients.



Airflow rate  
> 288 m<sup>3</sup>/h  
(100 Pa)

**2+4** YEARS

**WARRANTY +  
EXTRA WARRANTY**  
AIR HANDLING UNITS

## Technical specifications

Dimensions (width x height x depth)	598 x 665 x 320
Weight	41 kg
Duct outlets	4 x 125
Kitchen bypass	Standard equipment
Condensate fitting	Centre, 66 mm from rear edge
Condensation water tray	Tilted condensation water tray
Max. extract air flow rate (100 Pa)	> 306 m <sup>3</sup> /h (85 dm <sup>3</sup> /s)
Max. supply air flow rate (100 Pa)	> 288 m <sup>3</sup> /h (80 dm <sup>3</sup> /s)
Specific energy consumption (SEC) in a cold climate	A+
Specific energy consumption (SEC) in an average climate	A
Extract air heat recovery annual efficiency class	A+/A (kitchen bypass in use)
Air handling unit's specific electrical power class at rated air flow	A
Electricity	230 V, 50 Hz, 10 A, max. 1165 W: Plug
Apartment size max. m <sup>2</sup> *	160 m <sup>2</sup>
<b>Summer/winter function</b>	
Automatic, adjustable	Standard equipment
<b>Defrosting automation</b>	
Continuous supply air (AFPS™)	Standard equipment
<b>Post heater</b>	
	920 W (electric)
<b>Equipment</b>	
Ceiling mount bracket	Accessory
Wall mount bracket	Accessory
Stand	Not available
Vapour barrier filler plate	Accessory
Humidity transmitter (internal)	Standard equipment
Humidity transmitter	Accessory
Carbon-dioxide transmitter	Accessory
Cooling radiators	Accessory
Filter guard	Accessory
Constant pressure control	Accessory
Spring return damper	Accessory
Airfi KNX adapter	Accessory
<b>Controller options</b>	
Uno, Sento, Mille-Wire, Mille-Wifi	Compatible
Control hoods	Compatible
BMS, DDC, 10VDC, Transmitter controls Modbus RTU/TCP, Ethernet	Compatible

\*Implementation according to designer's ventilation plan.

## Calculation software to help with design

An informative calculation program is freely available to designers to support project planning. The program provides site-specific technical values and helps you select the right air handling unit for each project.



Direct link to the calculation programme

You can also find the calculation programme on our website at [airfi.fi](http://airfi.fi).

**AFPS**   
AIRFI FROST PRO SYSTEM

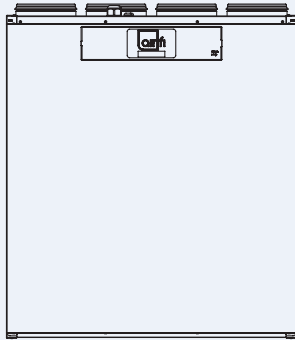
**Airfi Frost Pro System (AFPS™)**

Airfi's self-learning hoarfrost protection system has been granted a patent.

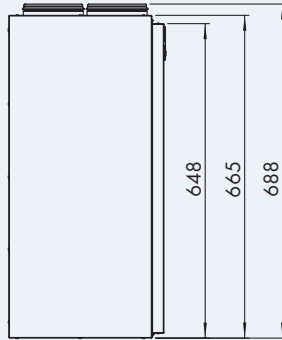


## Dimensional drawings

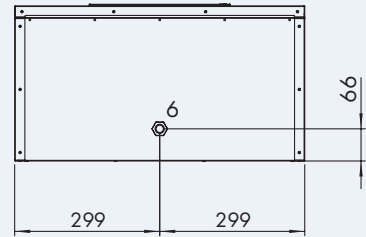
Front



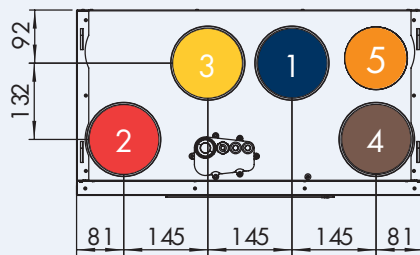
Side



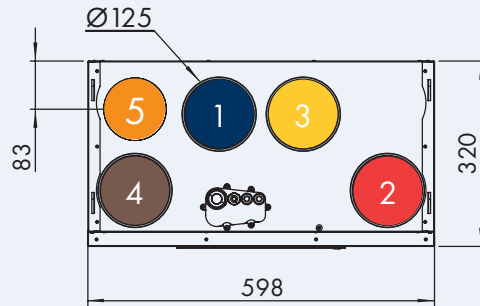
Bottom



Model R



Model L



- Outdoor air (1) ● Supply air (2) ● Extract air (3)
- Exhaust air (4) ● Kitchen bypass option (5) ● Coil connect (6)

## Product codes

Model	Code	Information
Airfi Model 53 mini (R) Electric	10053011	230 V, 50 Hz, 10 A, max. 1165 W: Plug
Airfi Model 53 mini (L) Electric	10053021	230 V, 50 Hz, 10 A, max. 1165 W: Plug
Ceiling mount bracket Model 53 mini	40000186	Fits both right- and left-handed air handling unit
Wall bracket: Model 53 mini	40000016	
Capacitive Sento Controller	40000041	



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