Product data sheet

116333EN-03
2017-09

UNI 2 Air handling unit

700084, 700085, 700086,
700087, 700088, 700089

Air handling unit suitable for apartments and smaller single-family houses.

A

- Temperature efficiency in the heat recovery system up to 85%.
- Specific fan power (SFP) in the ventilation system lower than 1.5.
- Extremely quiet.
- Simple to operate, change filters and maintain.
- Provides balanced ventilation with an extremely good indoor climate.
- Option of communication by Modbus.
- Modern design.
- Efficient and reliable – even in the cold.

	GTIN	Model
700084	7023677000848	UNI 2 RER Right model, EC-vifter, with electric element
700085	7023677000855	UNI 2 REL Left model, EC-vifter, with electric element
700086	7023677000862	UNI 2 R R Right model, EC-vifter, without electric element
700087	7023677000879	UNI 2 R L Left model, EC-vifter, without electric element
700088	7023677000886	UNI 2 RER Right model, EC-vifter, with electric element 350W
700089	7023677000893	UNI 2 REL Left model, EC-vifter, with electric element 350W

Technical data

	UNI 2 RE EC	UNI 2 R EC	UNI 2 RE EC 350W
Rated voltage	230 V 50 Hz	230 V 50 Hz	230 V 50 Hz
Fuse size	10 A	10 A	10 A
Rated current, total	4,4 A	1,3 A	2,82 A
Rated power, total	1015 W	215 W	565 W
Rated power, electric battery	800 W	-	350 W
Summed rated power, fans	212 W	212 W	212 W
Rated preheating power	-	-	-
Fan type	B-wheel	B-wheel	B-wheel
Fan motor control	0-10V	0-10V	0-10V
Fan speed, max. rpm	3390 rpm	3390 rpm	3390 rpm
Automatic control standard	CU60	CU60	CU60
Filter type (SUP/EXTR)	ePM1 55% (F7)	ePM1 55% (F7)	ePM1 55% (F7)
Filter dimensions (WxHxD)	335x130x113 mm	335x130x113 mm	335x130x113 mm
Weight	45 kg	45 kg	45 kg
Duct connection	Ø125 mm	Ø125 mm	Ø125 mm
Height	780 mm	780 mm	780 mm
Width	632 mm	632 mm	632 mm
Depth	408 mm	408 mm	408 mm

Energy class: A

CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones
Accessories: Advanced panel + CO_2-sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

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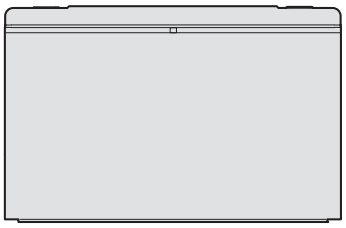
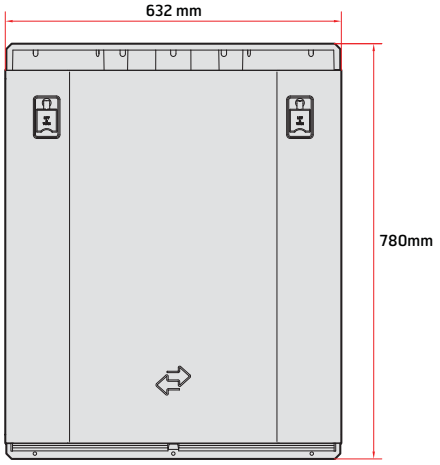
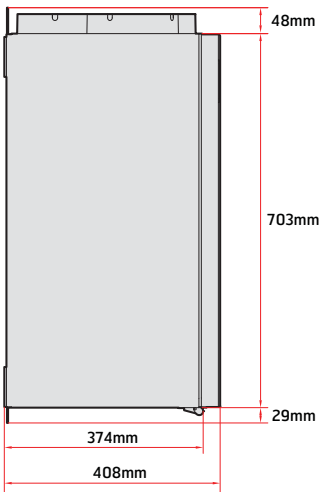
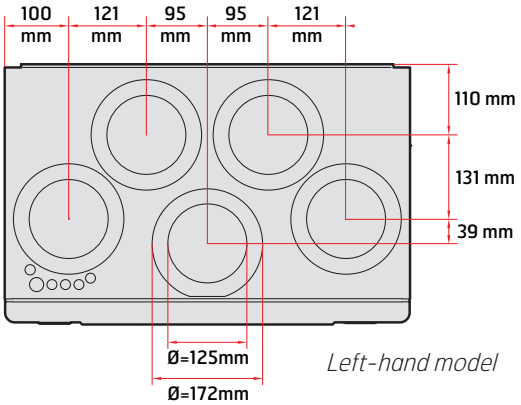
Dimensioned drawing

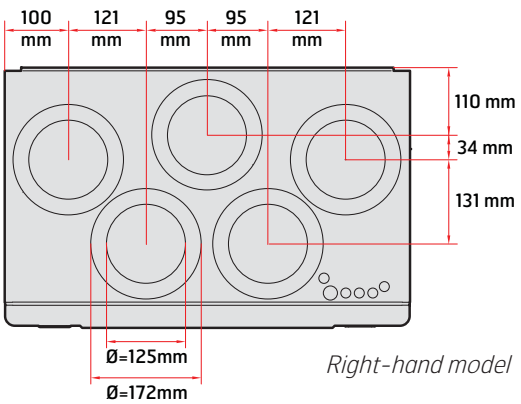








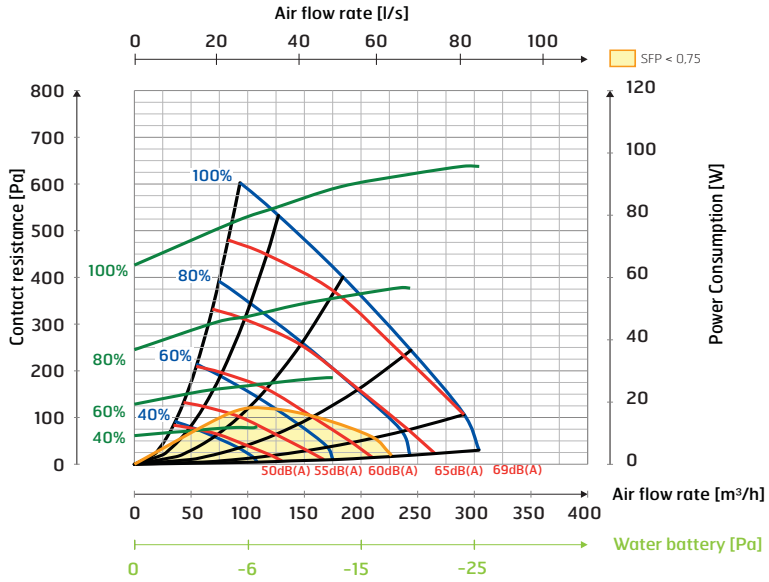
Left-hand model



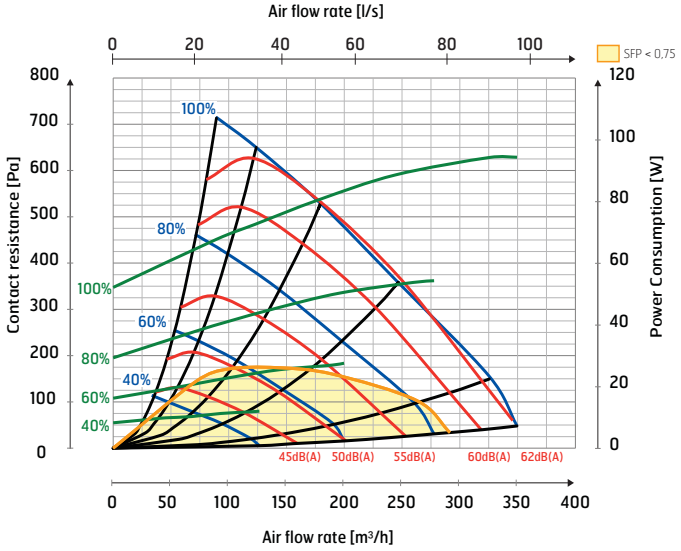
Right-hand model

Capacity and sound data

Supply air side



Extract air side



Correction factor for Lw

Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	LwA (dBA)
Supply air	*6*	*6*	*3*	*-1*	*-8*	*-13*	*-22*	*-30*	
Extract air	*9*	*9*	*6*	*-5*	*-18*	*-21*	*-33*	*-33*	
Radiated	*-12*	*-12*	*-12*	*-19*	*-31*	*-35*	*-40*	*-41*	*-18*

Explanation of diagram
Sound data is stated as the sound output level LwA in the capacity diagrams (these are for sound to the duct).

These values can be corrected by means of the table for the different octave bands if it is wished to look at Lw (without adaptation to A band).
The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

Radiated sound from the unit must be calculated from the supply air diagram.

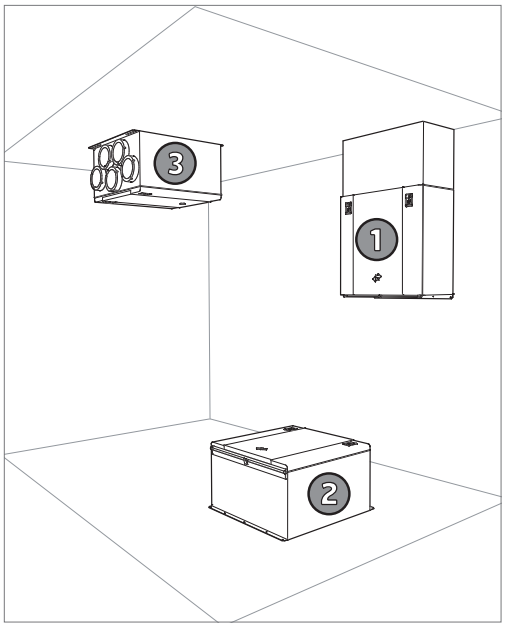
Position

The unit can be installed in the following ways:

1. On the wall. In this case the enclosed wall bracket is used for installation. Duct covers are available as accessories. The only installation type with an IP21 rating.
2. On the floor (horizontally on its back). In this case absorption feet are recommended (available as an accessory).
3. On the ceiling. The unit is mounted straight on the ceiling without a wall bracket.

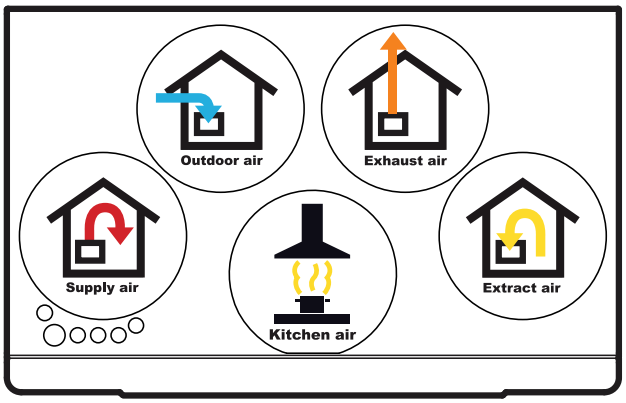
The unit is available in both left and right versions, depending on what best matches the duct location.

They can be located in a cold zone such as the loft.

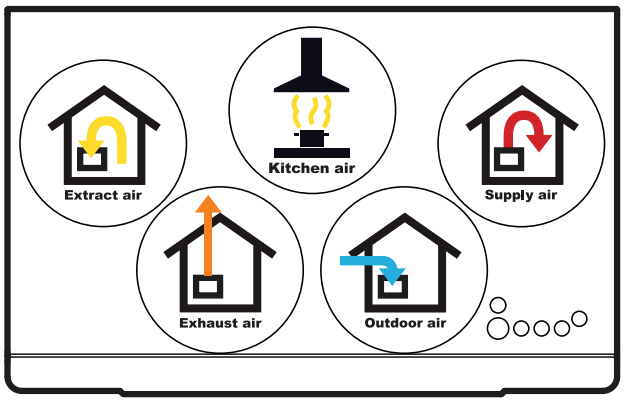


Duct location

Left-hand model



Right-hand model



For more information on topics including installation, wiring diagrams and accessories, see www.flexit.com

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