

UNI 3 Air handling unit



Air handling for small houses, single-family houses and small commercial buildings.

A

700040, 700041, 700042, 700043

- 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
700040	7023677000404	UNI 3 RER Right model, EC fans, with electric element
700041	7023677000411	UNI 3 REL Left model, EC fans, with electric element
700042	7023677000428	UNI 3 R R Right model, EC fans, without element
700043	7023677000435	UNI 3 R L Left model, EC fans, without element

Technical data

	UNI 3 RE	UNI 3 R
Rated voltage	230v 50Hz	230v 50Hz
Fuse size	10A	10A
Rated current, total	6,16 A	1,4 A
Rated power, total	1 416 W	216 W
Rated power, electric battery	1 200W	
Rated power fans	2x106W	2x106W
Rated preheating power	-	-
Fan type	B-wheel	B-wheel
Fan motor control	0-10V	0-10V
Fan speed, max. rpm	3 390 rpm	3 390 rpm
Automatic control standard	CU60	CU60
Filter type (SUP/EXTR)	ePM1 55% (F7)	ePM1 55% (F7)
Filter dimensions (WxHxD)	419x192x31 mm	419x192x31 mm
Weight	67kg	67kg
Duct connection	Ø160 mm*	Ø160 mm*
Height	700 mm	700 mm
Width	720 mm	720 mm
Depth	520 mm	520 mm

*Kitchen connection Ø125mm

Energy class:

A

CTRL 0,65

LOCAL DEMAND CONTROL

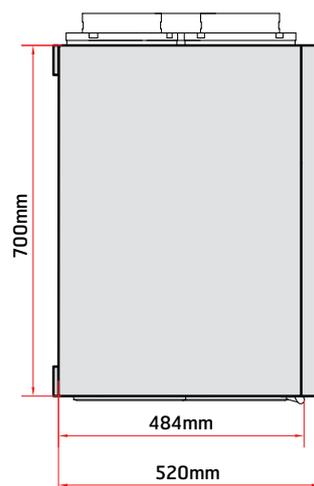
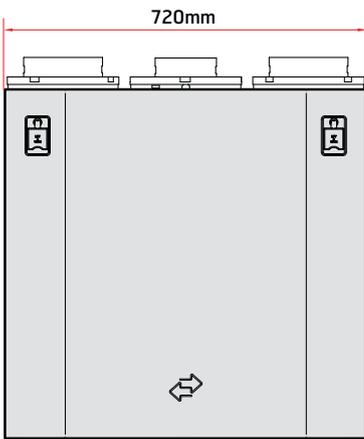
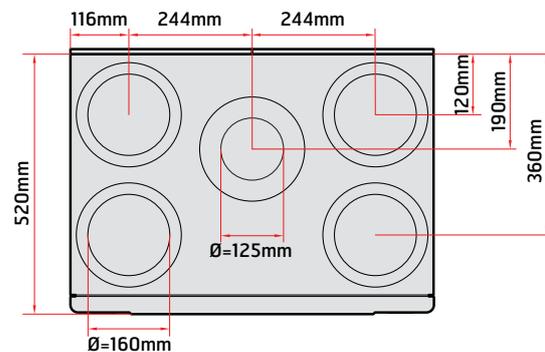
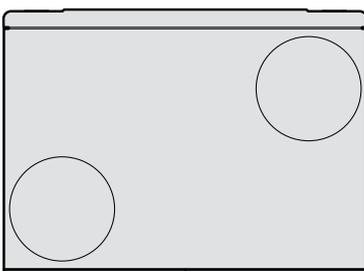
Sensor control for different zones

Accessories: Advanced panel + CO₂-sensor/motion sensor + damper

Result: Increased air flow rate in zones that need it

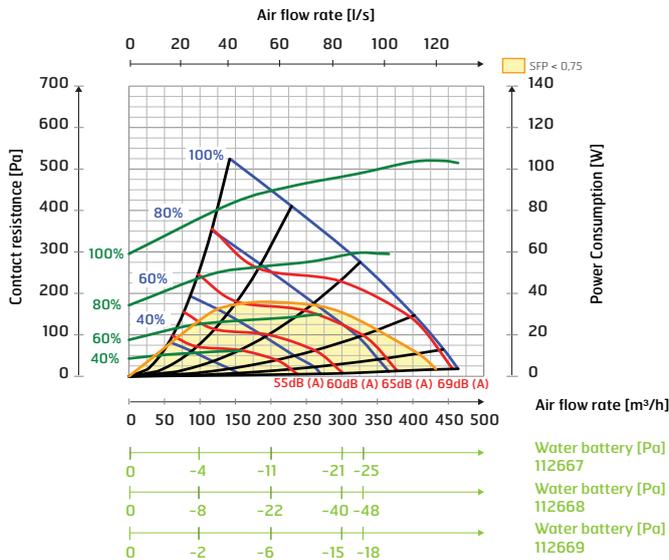
www.flexit.com

Dimensioned drawing

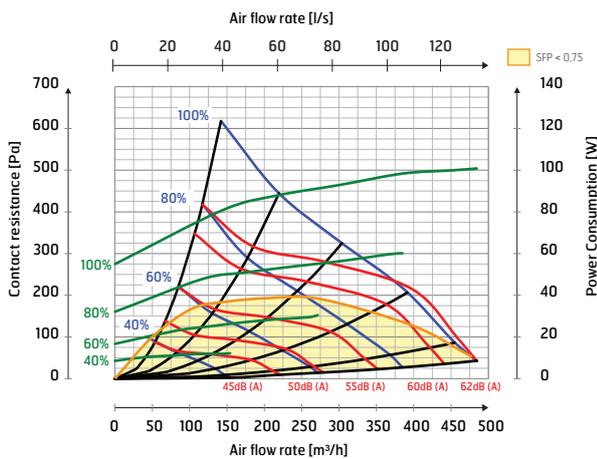


Capacity and sound data

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	7	5	4	-2	-9	-13	-23	-28	
Extract air	8	8	0	0	-15	-21	-31	-32	
Radiated	-17	-10	-13	-29	-38	-38	-41	-37	-19

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.

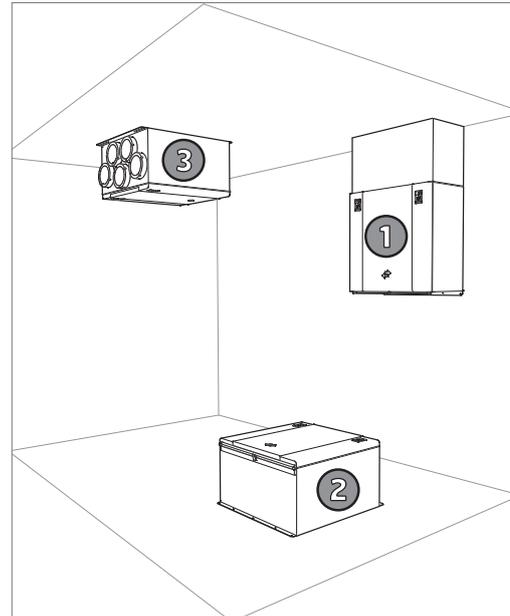
Position

The unit can be installed in the following ways:

1. On a wall (vertically and laterally). In this case the enclosed wall bracket is used for installation. Duct covers are available as accessories.
2. On the floor (horizontally on its back). In this case absorption feet are recommended (available as an accessory).
3. On the ceiling. A ceiling mounting is available as an accessory.

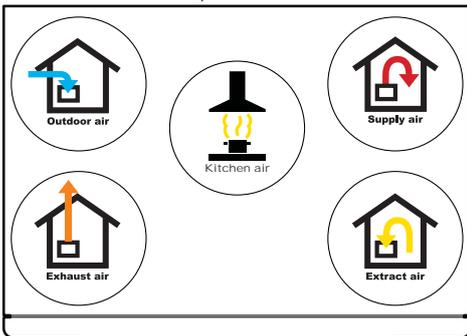
The unit is available in both left and right versions, depending on what best matches the duct location.

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



Duct location

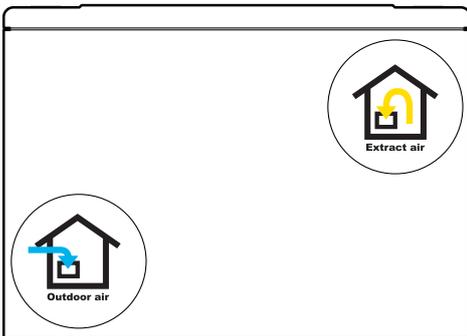
Left-hand model top



Right-hand model top



Left-hand model bottom



Right-hand model bottom



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

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