Product data sheet

116332EN-03
2017-09

K2 Air handling unit



700014, 700016, 700018, 700019

Air handling unit with integrated kitchen fan.

A

- Temperature efficiency in the heat recovery system over 70%.
- Specific fan power (SFP) in the ventilation system lower than 1.5.
- Installation in the kitchen.
- One of the quietest on the market.
- Simple to operate, change filters and maintain.
- Provides balanced ventilation with an extremely good indoor climate.
- Modern, functional design. White or stainless steel finish.
- Option of communication by Modbus.
- Efficient and reliable – even in the cold.

	GTIN	Model
700014	7023677000145	K2 RER Right model, white
700019	7023677000190	K2 RER SS Right model, stainless steel
700016	7023677000169	K2 REL Left model, white
700018	7023677000183	K2 REL SS Left model, stainless steel

Technical data

	EC 700W
Rated voltage	230 V/50 Hz
Fuse size	10 A
Rated current, total	3,91 A
Rated power, total	870 W
Rated power, electric batteries	700 W
Output fans	2 x 74 W
Fan type	F-wheel
Fan motor control	0-10 V
Fan speed, max. rpm	1 970 RPM
Automatic control standard	CS 60
Filter type (SUP/EXTR)	ePM1 55% (F7)/ ePM1 55% (F7)
SUP filter dimensions (WxHxD)	130x335x50 mm
EXTR filter dimensions (WxHxD)	130x335x50 mm
Weight	56 kg
Duct connection	Ø 125 mm (sleeve)
Duct connection kitchen fan	
Height	700 mm*
Width	598 mm
Depth	510 mm**

* without volume part and duct connection, see chap. 5 of installation instructions
** see chap. 5 of installation instructions

Energy class: A

CTRL 0,65

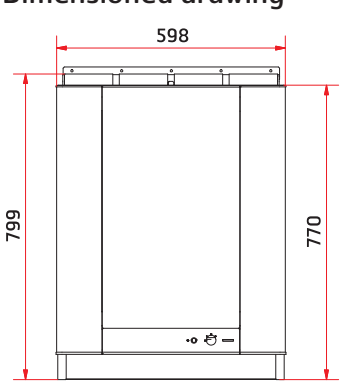
LOCAL DEMAND CONTROL

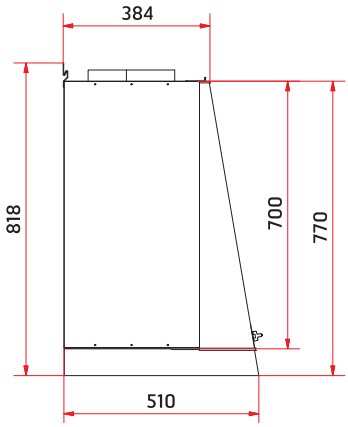
Sensor control for different zones
Accessories: Advanced panel + CO_2-sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

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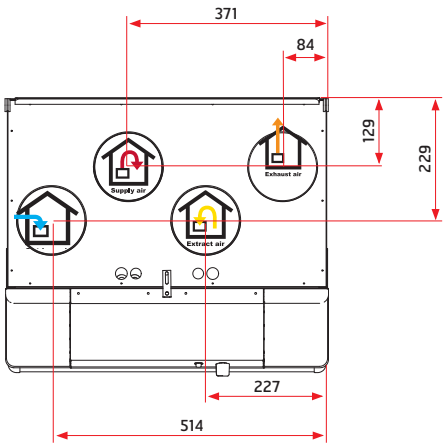
Dimensioned drawing

Dimensions in mm

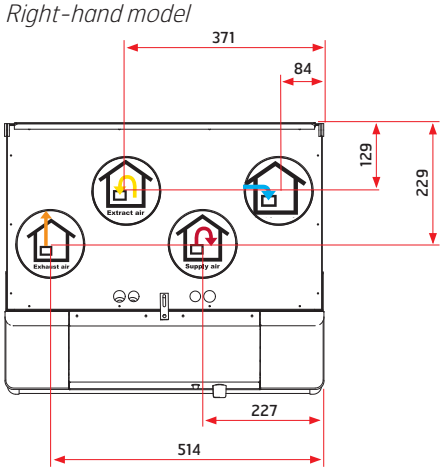




Left-hand model

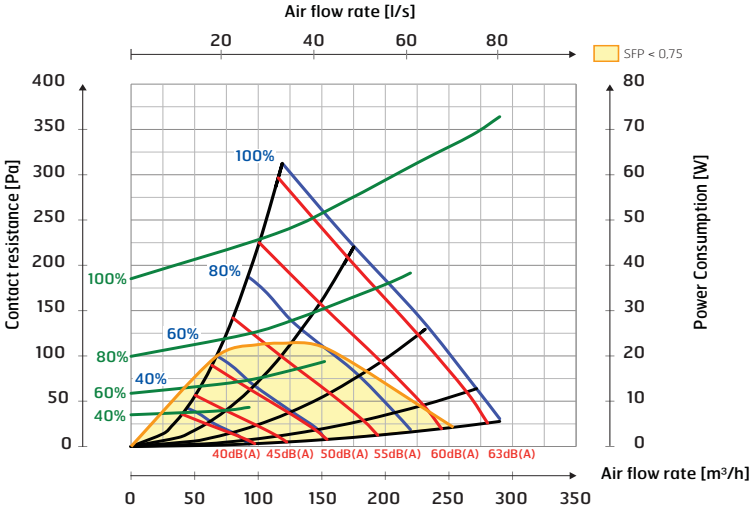


Right-hand model

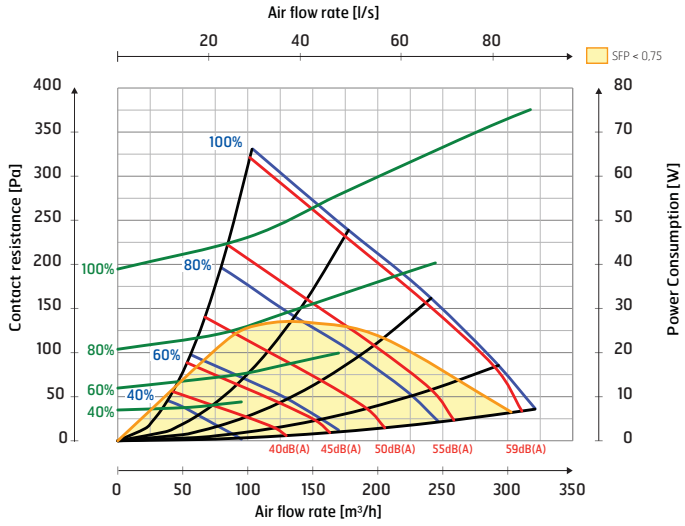


Capacity and sound data

Supply air side (with F7 filter)



Extract air side (with F7 filter)



Sound data is given at sound power level LwA in the capacity diagrams and is corrected with the table below for the various octave bands. Radiated noise produces Lw in the various octave bands and total LwA. This is read directly from the supply air table.

Data for supply air is measured in accordance with ISO 5136, "In-duct method".
Radiated noise is measured in accordance with ISO 9614-2.
Bruel ξ Kjær measuring equipment, type 2260.

Correction factor for Lw

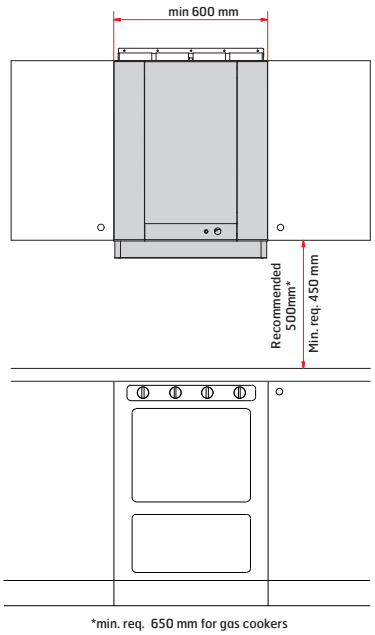
Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	LwA (dBA)
Supply air	*14*	*12*	*1*	*-6*	*-7*	*-15*	*-22*	*-26*	
Extract air	*14*	*13*	*0*	*-5*	*-10*	*-16*	*-25*	*-28*	
Radiated 1	*-4*	*-7*	*-12*	*-19*	*-27*	*-32*	*-32*	*-34*	*-16*
Radiated 2	*3*	*-5*	*-17*	*-23*	*-29*	*-32*	*-37*	*-35*	*-18*

Air capacity at various capacity settings in %
Supply air fan power consumption at various capacity settings.
Sound power level LwA, cf. correction table.

Radiated 1: K2 free hanging
Radiated 2: K2 built-in kitchen

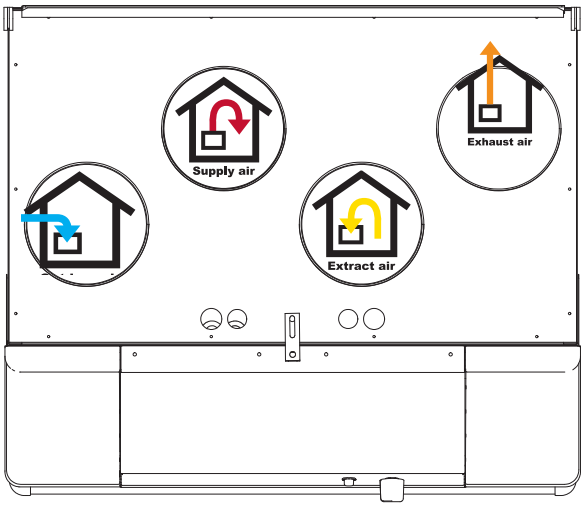
Position

The unit is designed to be installed in the kitchen above the cooker as it has a built-in kitchen hood. The unit is available in left and right versions (outdoor air nipple to the left or right), depending on what best matches the duct location.

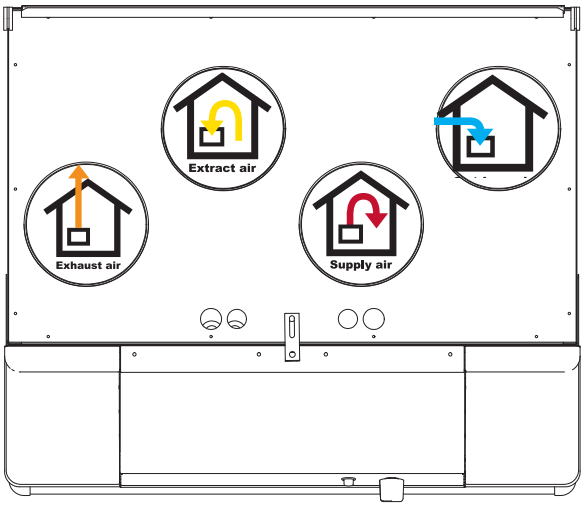


Duct location

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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