

Flexit L30 R

Art.no.	Type	Automatic
15650	L30 RE 400V 12kw	CS500
15655	L30 RE 400V 6kw	CS500
15670	L30 RW 400V	CS500
15610	L30 RE 400V 12kw	CS1000
15615	L30 RE 400V 6kw	CS1000
15630	L30 RW 400V	CS1000



Control Panel included in all units.

	L30 RW	L30 RE 6 kW	L30 RE 12 kW
Rated voltage:	400 V	400 V	400 V
Fuse:	3 x 10 A	3 x 20 A	3 x 32 A
Rated current, total:	7,9 A	16,4 A	25 A
Rated power, total:	2 600 W	8 600 W	14 600 W
Rated power, electric battery:	-	6 000 W	12 000 W
Rated power, fans:	2 x 1 100 W	2 x 1 100 W	2 x 1 100 W
Fan type:	B-wheel	B-wheel	B-wheel
Fan motor control:	Frequency converter	Frequency converter	Frequency converter
Max. fan speed:	3 000 rpm	3 000 rpm	3 000 rpm
Filter type (SUP/EXTR):	F 7	F 7	F 7
Filtermål (B x H x D, mm):	2 x (995 x 450 x 350)	2 x (995 x 450 x 350)	2 x (995 x 450 x 350)
Numbers of bags:	20	20	20
Weight:	330 kg	330 kg	330 kg
Duct connection:	Ø400 mm	Ø400 mm	Ø400 mm
Height:	1 350 mm	1 350 mm	1 350 mm
Width:	1 727 mm	1 727 mm	1 727 mm
Depth:	1 108 mm	1 108 mm	1 108 mm

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Accessories



Bag Filter

Art.no.	Type
12389	F7
12390	F5



3-way Valve

Art.no.	Type
57228	KVS 2,5 3-way
56433	KVS 2,5 2-way
56072	fittings KVS 2,5
56233	KVS 4.0 3-way
56434	KVS 4.0 2-way



Motor 3-way Valve

Art.no.
56234



Closing Air Damper w/Spring Return

Art.no.	Type
14479	Ø400 on/off
14480	Ø400 spring return



SP440 CO₂

Art.no.
09359



SP 435 Motion Detector

Art.no.
09358



SP 450 Motion Detector

Art.no.
09390



CC 1050 Pressure Sensor

Art.no.
09367



SP 445 Smoke Detector

Art.no.
09362

Accessories, automatic CS1000



CC 1060 GSM-card

Art.no.
09370

Modem, antenna with cable and magnet holder, transformer and cable 0,8 m.

CC 1061 GSM-equipment

Art.no.
09371



CC 1062 LON-card

Art.no.
09372



CC 1063 WEB/OPC-card

Art.no.
09373



CC 1040 Room Sensor

Art.no.
09368



CC 1041 Outdoor Air Sensor

Art.no.
09369



SP430 Pressure Sensor

Art.no.
09357



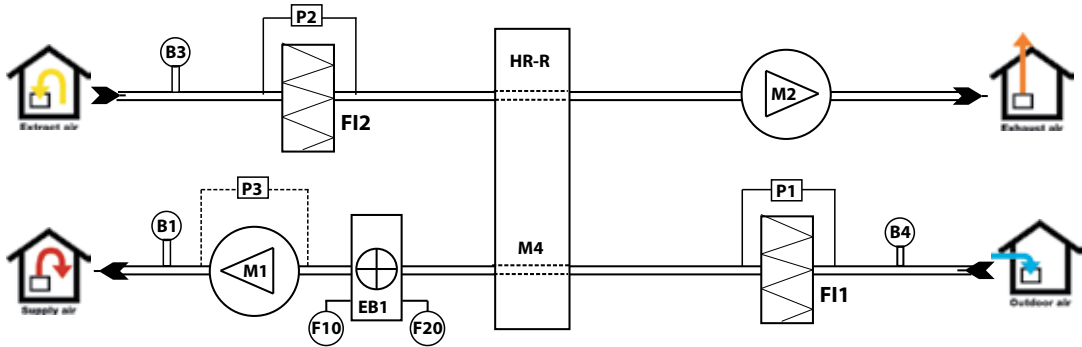
Press Button

Art.no.
09364

Flexit L30 R

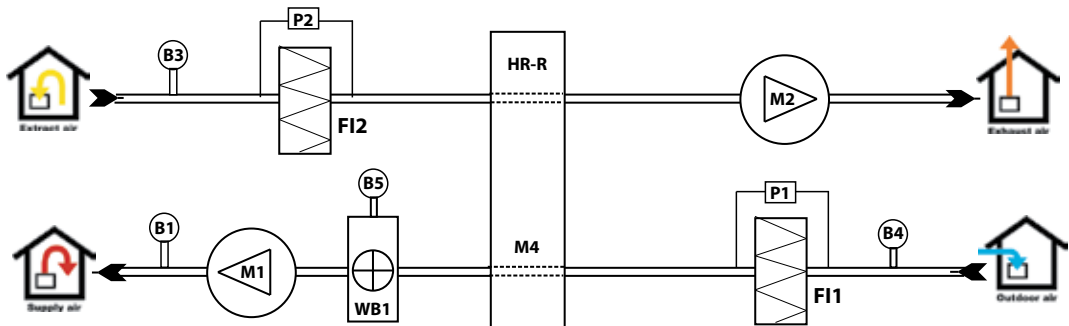
System drawing

L30 RE (electric heating)



- | | | | | | |
|----|--------------------|------|--------------------------------------|-----|--------------------------------|
| M1 | Supply air fan | HR-R | Heat exchanger (rotor) | P3 | Pressure relay, supply air fan |
| M2 | Extract air fan | F10 | Overheating thermostat, manual reset | B1 | Supply air temperature sensor |
| M4 | Rotor motor | F20 | Overheating thermostat | B3 | Extract air temperature sensor |
| F1 | Supply air filter | P1 | Supply air filter relay | B4 | Outdoor air temperature sensor |
| F2 | Extract air filter | P2 | Extract air filter relay | EB1 | Electric Battery |

L30 RE (water-based heating)



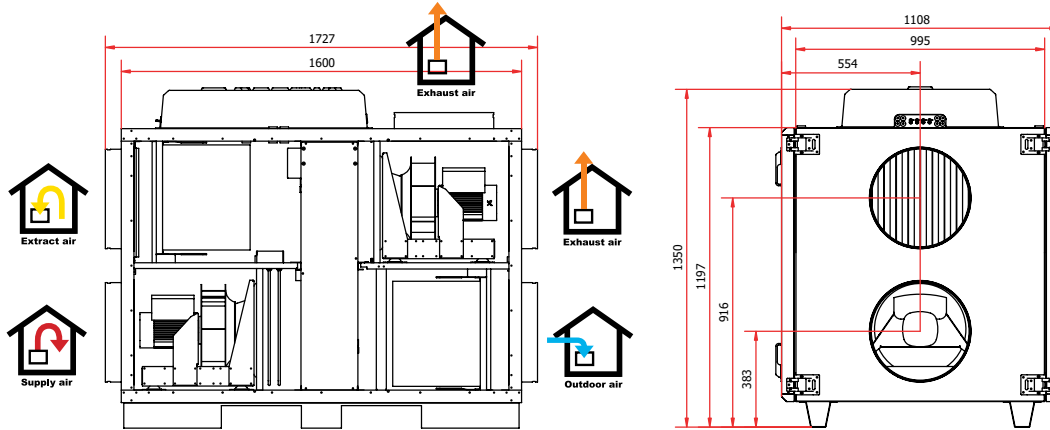
- | | | | | | |
|----|--------------------|------|--------------------------------|-----|--|
| M1 | Supply air fan | HR-R | Heat exchanger (rotor) | B4 | B4 Outdoor air temperature sensor |
| M2 | Extract air fan | P1 | Supply air filter relay | B5 | Water battery temperature sensor (frost relay) |
| M4 | Rotor motor | P2 | Extract air filter relay | WB1 | Heating battery, water |
| F1 | Supply air filter | B1 | Supply air temperature sensor | | |
| F2 | Extract air filter | B3 | Extract air temperature sensor | | |

Flexit L30 R

Dimensioned drawing

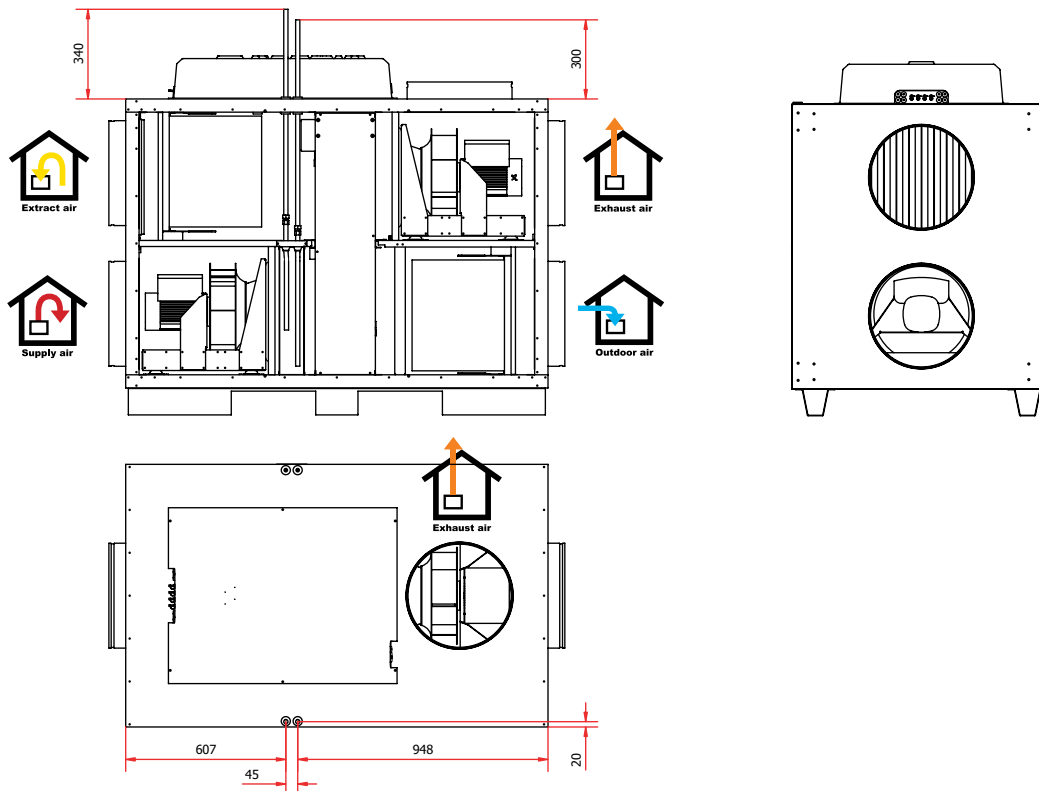
Dimensions in mm

L30 RE (electric heating)



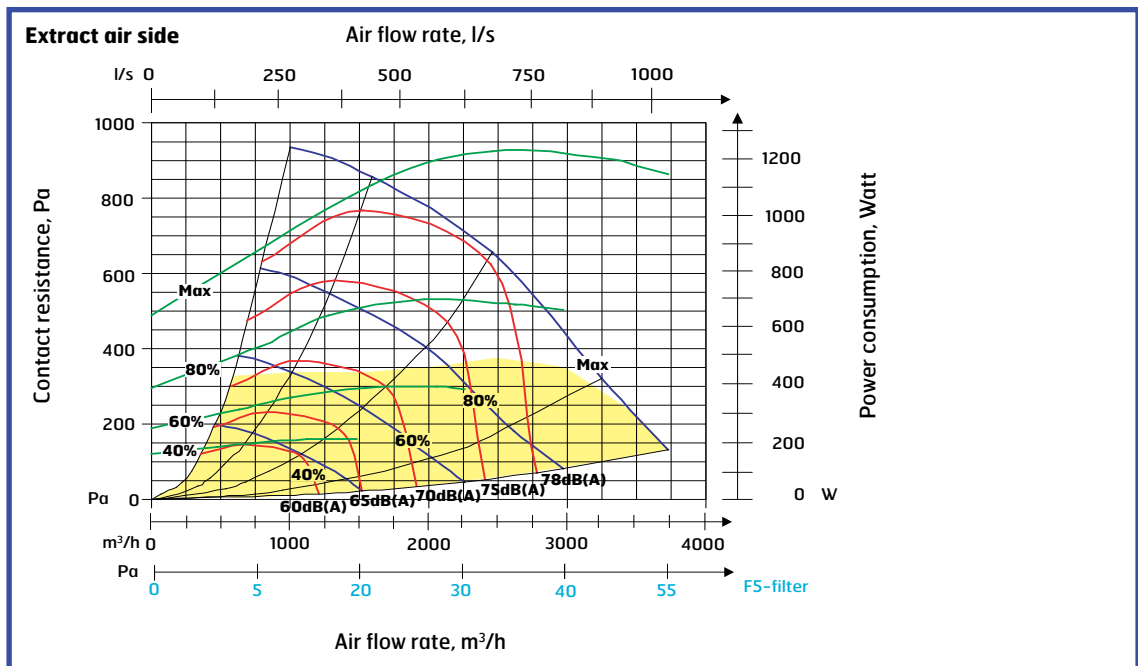
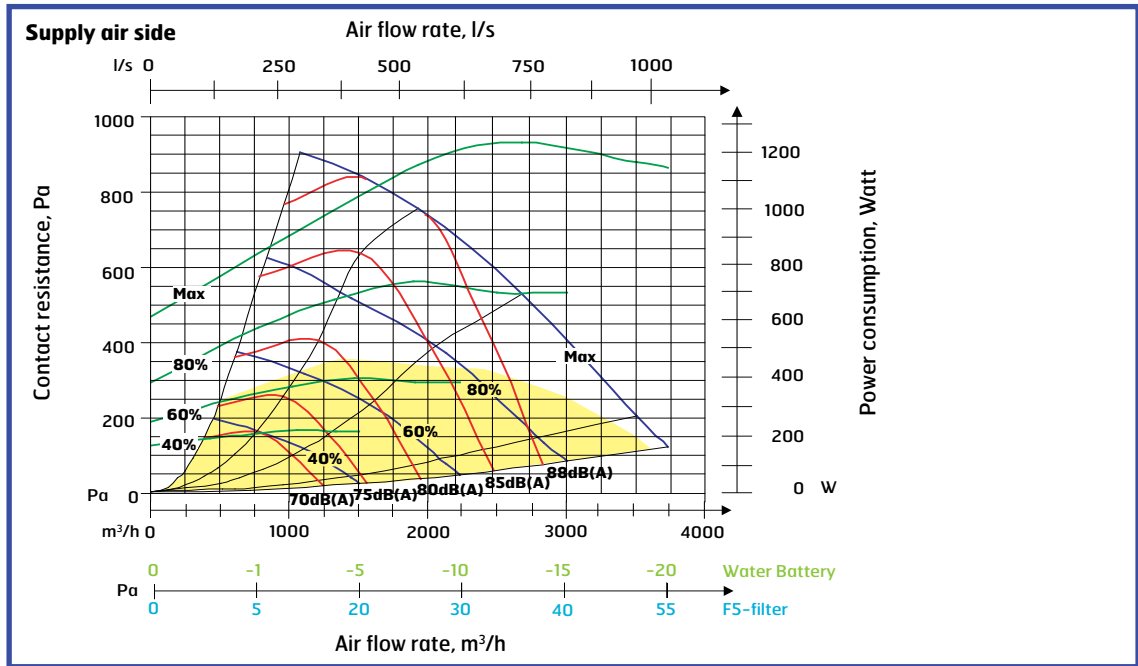
NB! The unit has doors on each side so that it can be operated from either side. The dimensions are the same on both gable sides.

L30 RW (water-based heating)



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Capacity diagram L30 R W/E (measured with F7 filter)



Yellow field: SFP < 1.25 per fan

$$SFP = \frac{P}{V} \text{ [kW/m}^3\text{/s]} = \text{J/m}^3$$

Sound data is given at sound power level L_{wA} in the capacity diagrams and is corrected with the table below for the various octave bands. Radiated noise produces L_w in the various octave bands and total L_{wA}. Radiated noise is calculated by taking the noise value from the supply air table and deducting the total value from the correction factor table.

Supply air data is measured in accordance with ISO 5136, the in-duct method. Radiated noise is measured in accordance with ISO 9614-2. Bruel & Kjaer measuring equipment, type 2260.

Correction factor for L _w									
Hz	63	125	250	500	1000	2000	4000	8000	Total L _{wA}
Supply air	-2	-10	-2	-4	-3	-10	-18	-29	
Extract air	3	0	5	-1	-17	-24	-35	-50	
Radiated	-56	-43	-42	-39	-44	-44	-46	-64	-37,0

Blue curves: Air capacity at various capacity settings in Volt.
Green curves: Supply air fan power consumption at various capacity settings.
Red curves: Sound power level L_{wA}, cf. correction table.
Light blue correction axis: Pressure increase using an EU-5 filter.
Light green correction axis: Pressure increase using water battery.

Temperature efficiency

