

# Flexit L20 R

Art.no.	Type	Automatic
15750	L20 RE 400V 6kw	CS500
15755	L20 RE 400V 3kw	CS500
15770	L20 RW 400V	CS500
15710	L20 RE 400V 6kw	CS1000
15715	L20 RE 400V 3kw	CS1000
15730	L20 RW 400V	CS1000



Control Panel included in all units.

	L20 RW	L20 RE 3 kW	L20 RE 6 kW
Rated voltage:	400 V	400 V	400 V
Fuse:	3 x 10 A	3 x 13 A	3 x 16 A
Rated current, total:	5,5 A	10 A	14 A
Rated power, total:	1 810 W	4 810 W	7 810 W
Rated power, electric battery:	-	3 000 W	6 000 W
Rated power, fans:	2 x 750 W	2 x 750 W	2 x 750 W
Fan type:	B-wheel	B-wheel	B-wheel
Fan motor control:	Frequency converter	Frequency converter	Frequency converter
Max. fan speed:	3 200 rpm	3 200 rpm	3 200 rpm
Filter type (SUP/EXTR):	F 7	F 7	F 7
Filtermåå (B x H x D, mm):	2 x (895 x 400 x 200)	2 x (895 x 400 x 200)	2 x (895 x 400 x 200)
Numbers of bags:	18	18	18
Weight:	252,5 kg	252,5 kg	252,5 kg
Duct connection:	Ø400 mm	Ø400 mm	Ø400 mm
Height:	1 244 mm	1 244 mm	1 244 mm
Width:	1 627 mm	1 627 mm	1 627 mm
Depth:	1 006 mm	1 006 mm	1 006 mm

# Flexit L20 R

## Accessories



**Bag Filter**  
Art.no. Type  
12473 F7  
12474 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 CO<sub>2</sub>**  
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

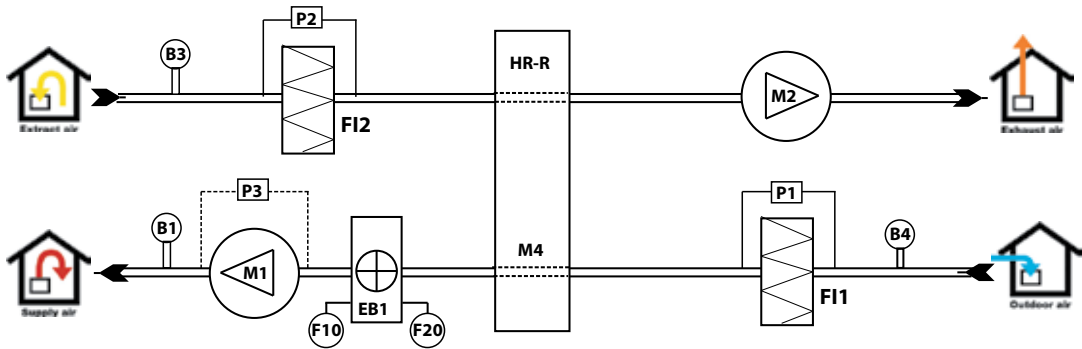


**Press Button**  
Art.no. 09364

# Flexit L20 R

## System drawing

### L20 RE (electric heating)

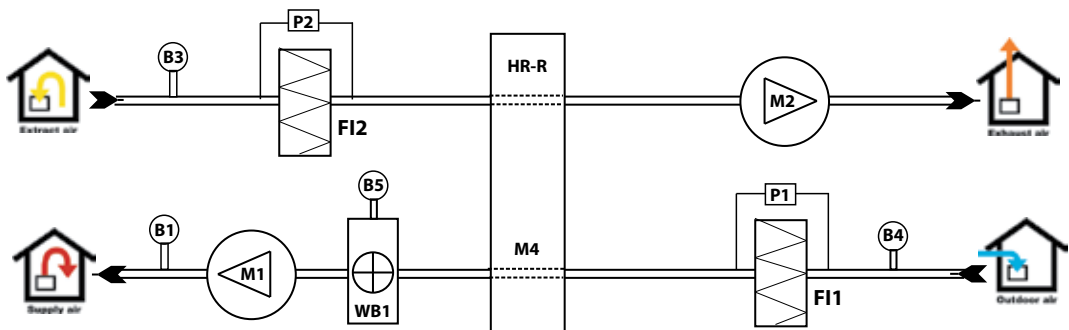


- M1 Supply air fan
- M2 Extract air fan
- M4 Rotor motor
- F1 Supply air filter
- F2 Extract air filter

- HR-R Heat exchanger (rotor)
- F10 Overheating thermostat, manual reset
- F20 Overheating thermostat
- P1 Supply air filter relay
- P2 Extract air filter relay

- P3 Pressure relay, supply air fan
- B1 Supply air temperature sensor
- B3 Extract air temperature sensor
- B4 Outdoor air temperature sensor
- EB1 Electric Battery

### L20 RE (water-based heating)



- M1 Supply air fan
- M2 Extract air fan
- M4 Rotor motor
- F1 Supply air filter
- F2 Extract air filter

- HR-R Heat exchanger (rotor)
- P1 Supply air filter relay
- P2 Extract air filter relay
- B1 Supply air temperature sensor
- B3 Extract air temperature sensor

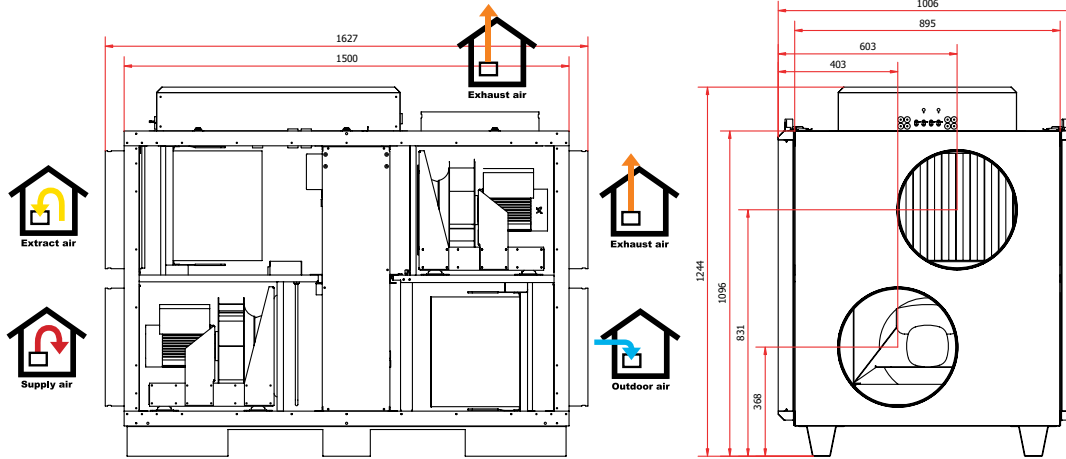
- B4 B4 Outdoor air temperature sensor
- B5 Water battery temperature sensor (frost relay)
- WB1 Heating battery, water

# Flexit L20 R

## Dimensioned drawing

Dimensions in mm

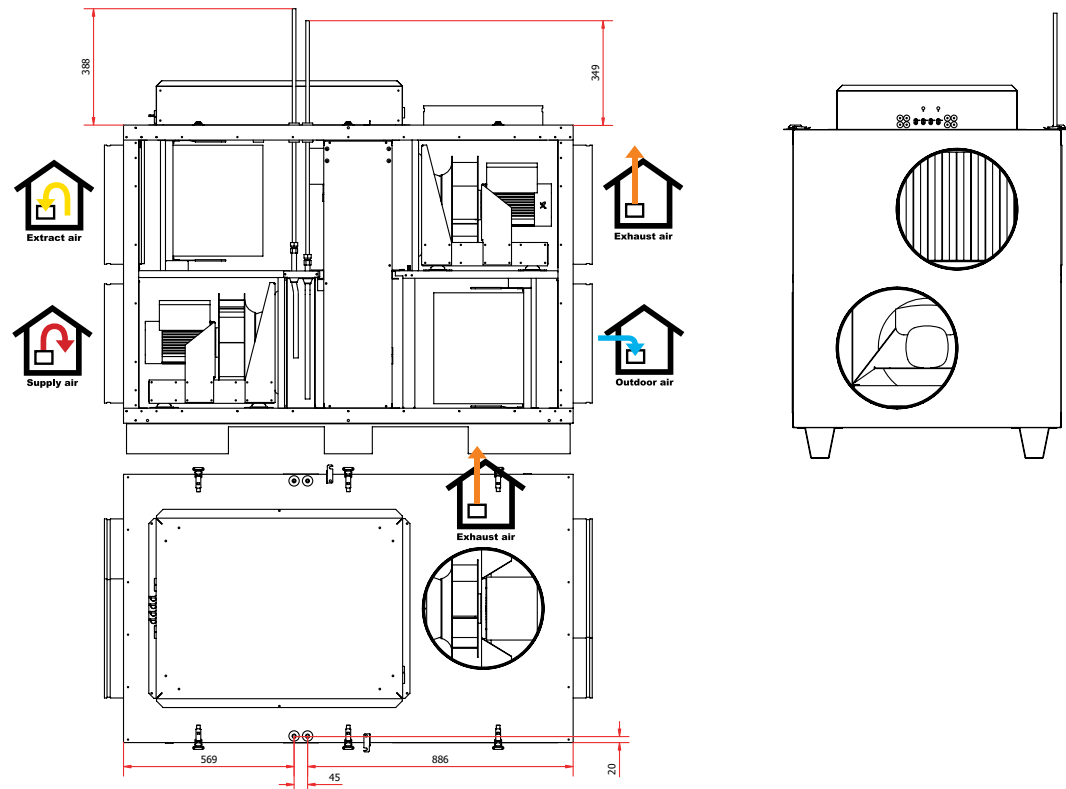
### L20 RE (electric heating)



NB! The unit has doors on each side so that it can be operated from either side.

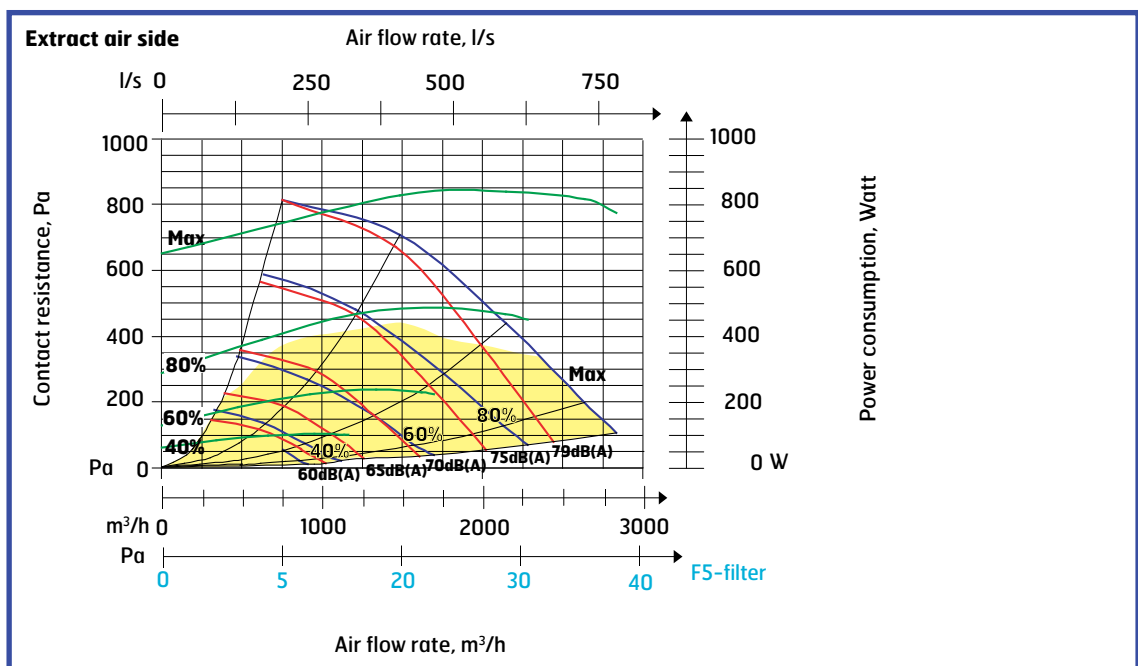
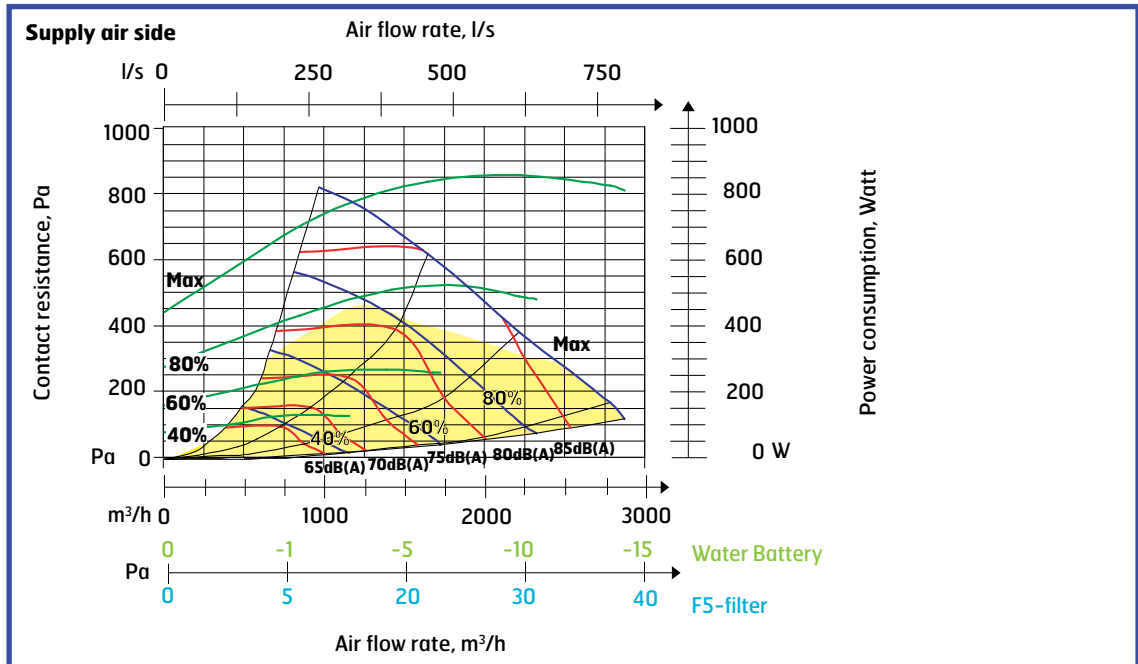
The dimensions are the same on both gable sides.

### L20 RW (water-based heating)



# Flexit L20 R

## Capacity diagram L20 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<sub>w</sub>A in the capacity diagrams and is corrected with the table below for the various octave bands. Radiated noise produces L<sub>w</sub> in the various octave bands and total L<sub>w</sub>A. 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 <sub>w</sub>									
Hz	63	125	250	500	1000	2000	4000	8000	Total L <sub>w</sub> A
Supply air	-5	-12	-4	-2	-4	-9	-18	-31	
Extract air	3	-3	5	-3	-16	-24	-37	-55	
Radiated	-45	-42	-44	-40	-44	-42	-47	-57	<b>-37,1</b>

**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<sub>w</sub>A, cf. correction table.  
**Light blue correction axe:** Pressure increase using an EU-5 filter.  
**Light green correction axe:** Pressure increase using water battery.

### Temperature efficiency

