

Air handling unit
Albatros **L50 R**

- Flexibel – impossible to order incorrectly
- Compact – access through 90 cm wide door
- Energy efficient
- Low noise level



Full flexibility. Easy adaptation to different applications.

The unit is delivered as a right hand model but can very easily be changed into a left hand model on site. Heater battery (electrical or water) is supplied separately and can easily be fitted/changed at site. This ensures safe, fast delivery and cost savings at possible changes in project or mistakes when ordering.

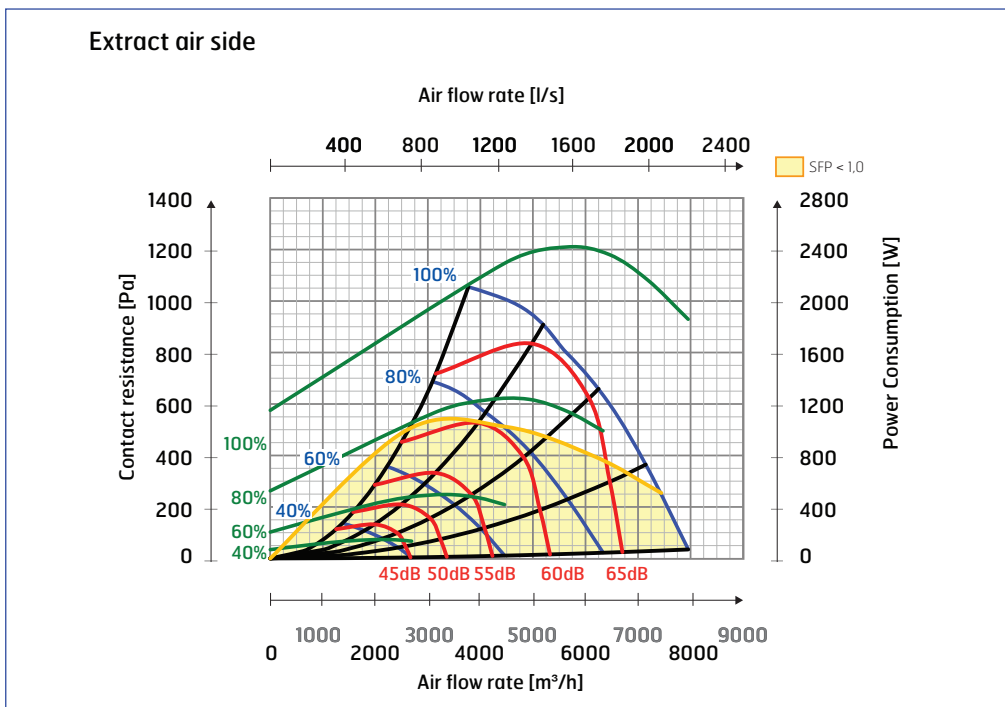
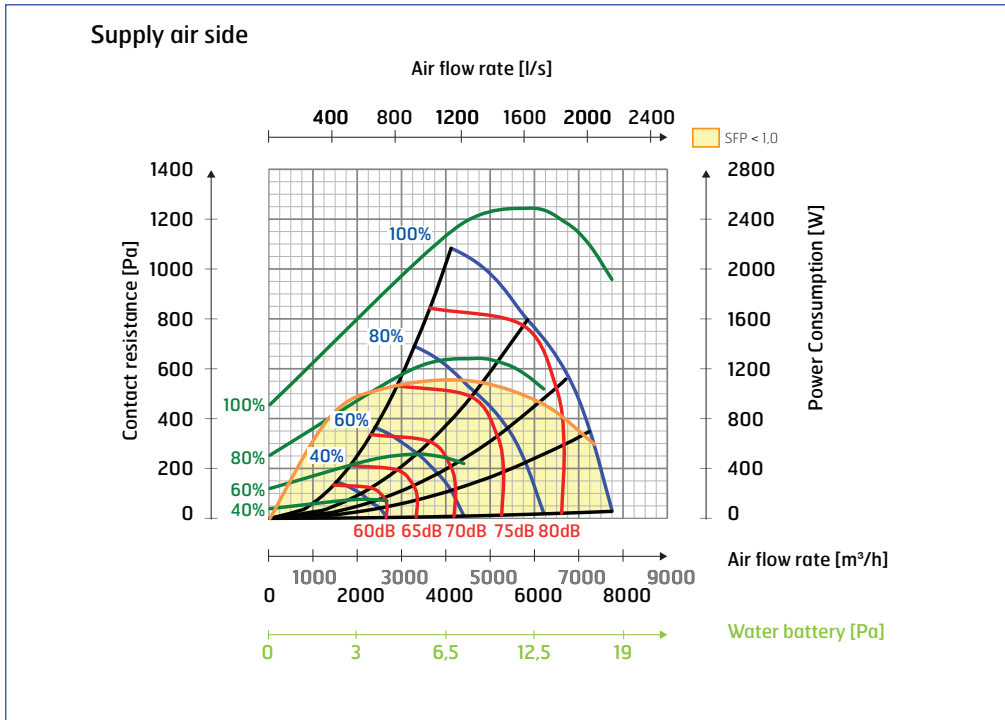
Fast delivery.

Flexit L50 R is produced against stock and will consequently have a very short delivery time.

Energy efficient with low noise level.

The unit is energy efficient and fulfills demands set in building directive TEK10. In addition the unit has a very low noise level.

L50 R



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 «In duct method» Radiated noise is measured in accordance with ISO 9614-2. Briel & Kjaer measurement, type 2260.

Correction factor for L_w

Hz	63	125	250	500	1000	2000	4000	8000	L_{wA}
Supply	-6	-3	-6	-7	-4	-7	-11	-14	
Extract	8	9	1	-2	-9	-16	-28	-34	
Radiated	-42	-27	-30	-34	-36	-35	-43	-51	-30

Curves in diagram:

- Blue: Air volume in different capacity setting in %.
- Green: Power consumption in Watt, read the scale to the right.
- Red: Sound - indicate sound level L_{wA} .

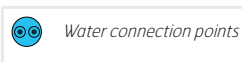
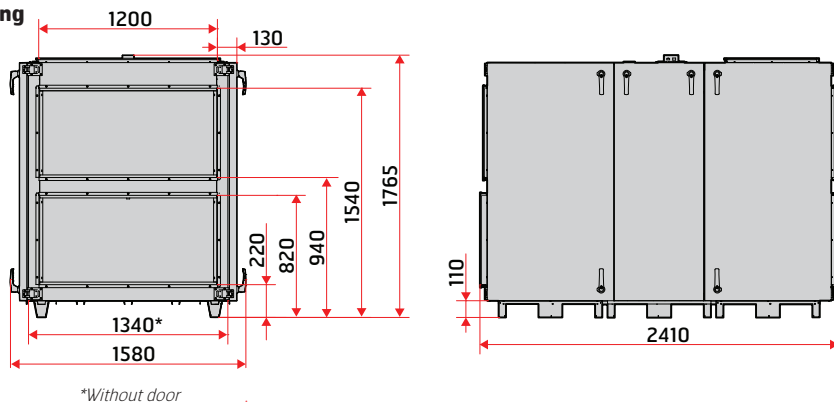
L50 R

	Electric battery	Water battery
Rated voltage	400 V	400 V
Fuse size	3 x 32 A	3 x 10 A
Rated current, total	27,5 A	7 A
Rated power, total	18 900 W	4 900 W
Rated power, electric battery	14 000 W	-
Rated power, fans	2 x 2400 W	2 x 2400 W
Fan type	B-wheel	B-wheel
Fan motor control	0-10V	0-10V
Max. fan speed	2 400 rpm	2 400 rpm
Filter type	F7 bag filter	F7 bag filter
Filter dimensions (WxHxD mm)	4x 592x592x640	4x 592x592x640
Number of bags	10	10
Duct connection	1 200x600 mm	1 200x600 mm
Height	1 780 mm	1 780 mm
Width	2 410 mm	2 410 mm
Depth (with handles)	1 580 mm	1 580 mm
Depth (without door)	1 340 mm	1 340 mm

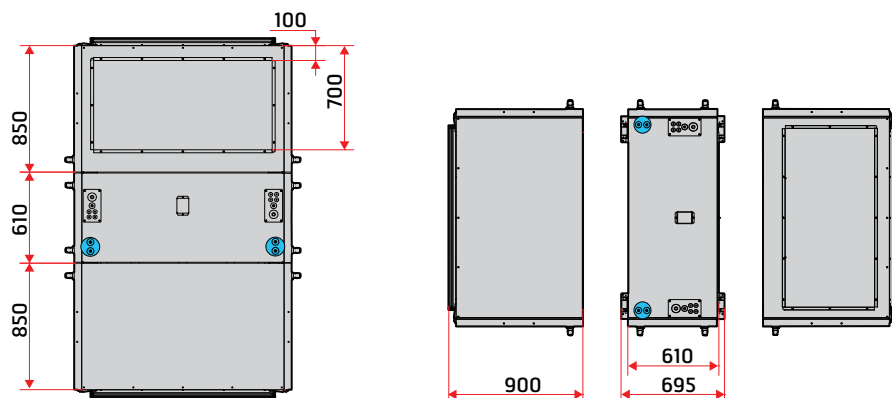
Gross unit weight	Fan	Heat recovery system	Doors	Net inward transport
640 kg	2 x 25 kg	108 kg	4 x 21 kg 2 x 20 kg	358 kg

Supply air module	Rotor module	Extract air module	Control cabinet
193 kg	227 kg	200 kg	10 kg

Dimensioned Drawing



The dimensions are the same on both end sides.
The drawing shows a right model
All dimensions in mm



L50 R - AHU and accessories



15941	Air handling unit L50 R 400V incl. Control panel CS 2000
113841	Filter set F7
113610	Electric battery, complete
113611	Water heating element, complete
113869	Closing air damper on/off Ø500 mm
113870	Closing air damper spring Ø500 mm
56432	Shunt valve, KVS 1,6 2-way proff
56232	Shunt valve, KVS 1,6 3-way proff
57228	Shunt valve, KVS 2,5 3-way proff
56072	Adapter for art.no. 57228
56233	Shunt valve, KVS 4,0 3-way proff
56434	Shunt valve, KVS 4,0 2-way proff
56243	Shunt valve, KVS 6,3 3-way proff
56234	Motor shunt valve
	Combi battery (Ask for calculation)
	Cooling battery (Ask for calculation)



Filter set



Electric battery



Water heating element



Closing air damper



Shunt valve



Motor shunt valve



Combi battery



Cooling battery

Accessories Control system

112434	Room sensor CS 2000
112435	Modbus, communication module
112436	Web, communication module
112437	LON, communication module
112438	BACnet IP, communication module
112439	Expansion module 14 IO
112440	Energy meter
112441	Timer, mechanical
112442	Timer, electronic
112444	Pressure sensor, 500 Pa
112445	Pressure sensor, 3000 Pa
09364	Press button
09368	Room sensor CC 1040
09369	Outdoor sensor CC 1041
09390	Motion detector SP 450
09358	Motion detector SP 435
09861	Smoke detector SP 445
09359	CO ₂ -sensor SP 440



Room sensor



Modbus



Web



LON



BACnet IP



Expansion module 14 IO



Energy meter



Timer mechanical



Timer electronic



Pressure sensor



Press button



Room sensor CC 1040



Outdoor sensor CC 1041



Motion detector SP 450



Motion detector SP 435



Smoke detector SP 445



CO₂-sensor SP 440

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