Product data sheet

Air handling unit
Albatros **S50 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 S50R 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.

Easy access into buildings.
The unit is possible to split making transport into the building easy.

S50 R

Supply air side

Extract air side
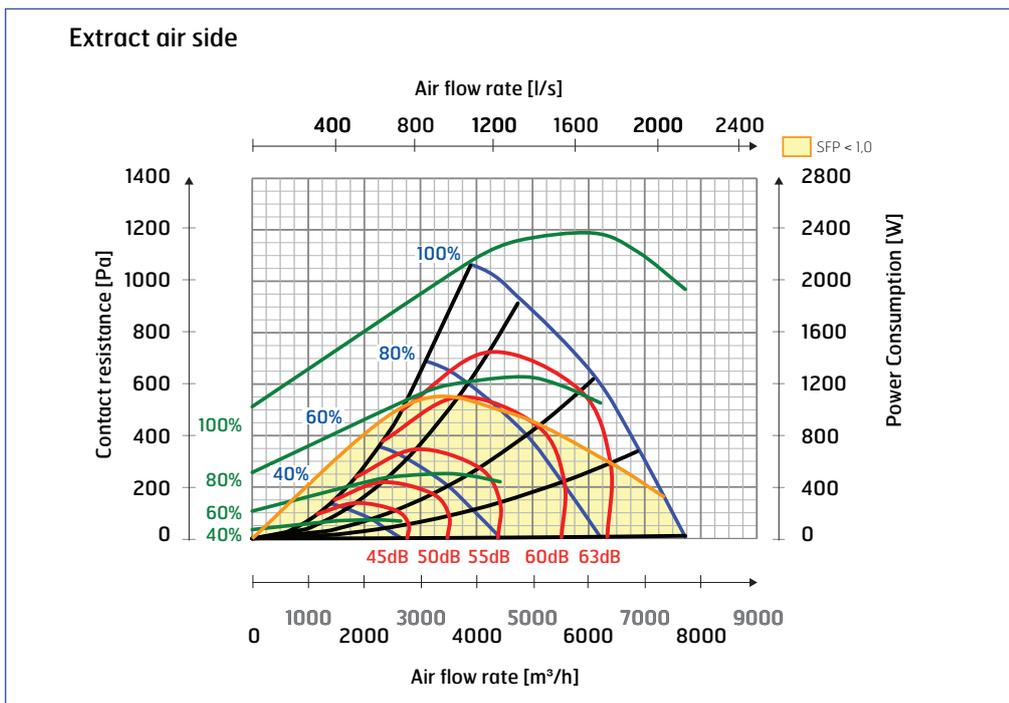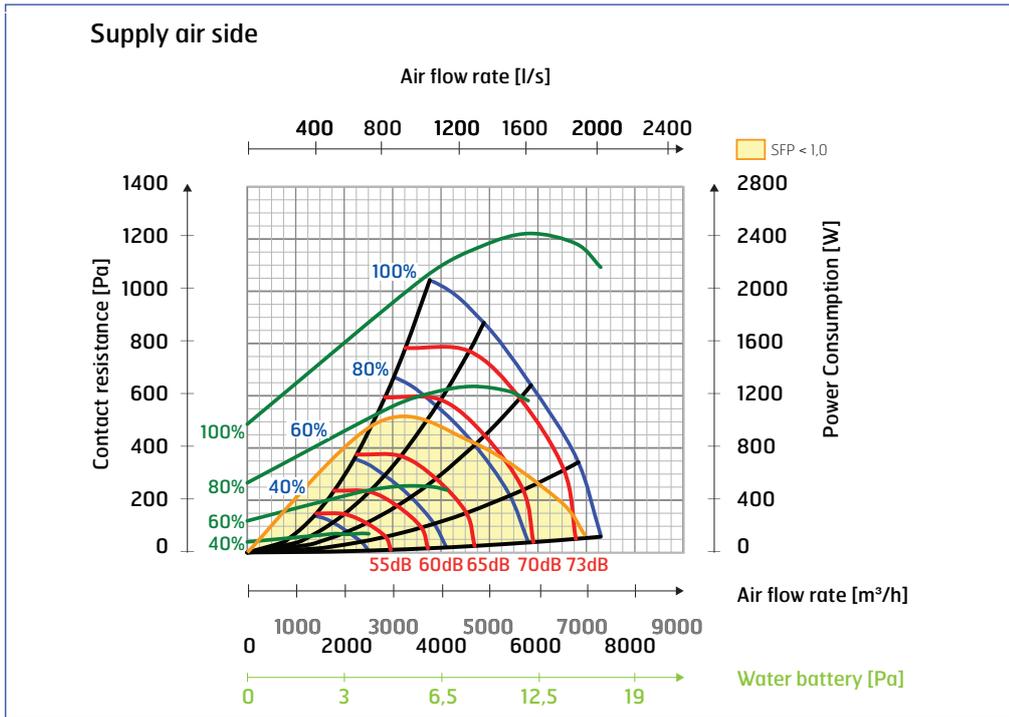
Sound data is given at sound power level LwA in the capacity diagrams and is corrected with the table below for the various octave bands. Radiated noise produces Lw in the various octave bands and total LwA. Radiated noise is calculated by taking the noise value from the supply air table and deducting the total value from the correction factor table.
Supply air data is measured in accordace with ISO 5136 «In duct method»
Radiated noise is measured in accordiance with ISO 9614-2
Bruel & Kjær measurement, type 2260.

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 lewel LwA.

Correction factor for Lw

Hz	63	125	250	500	1000	2000	4000	8000	LwA
Supply	14	9	0	-6	-6	-11	-17	-20	
Extract	16	11	1	-11	-12	-19	-24	-30	
Radiated	-22	-17	-19	-22	-24	-23	-31	-41	-18

S50 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 592x490x640	4x 592x490x640
Number of bags	10	10
Duct connection	900x250 mm	900x250 mm
Height	1 780 mm	1 780 mm
Width	2 340 mm	2 340 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	Netweight for transport inside
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

Water connection points

*Without door

The dimensions are the same on both end sides.
The drawing shows a right model
All dimensions in mm
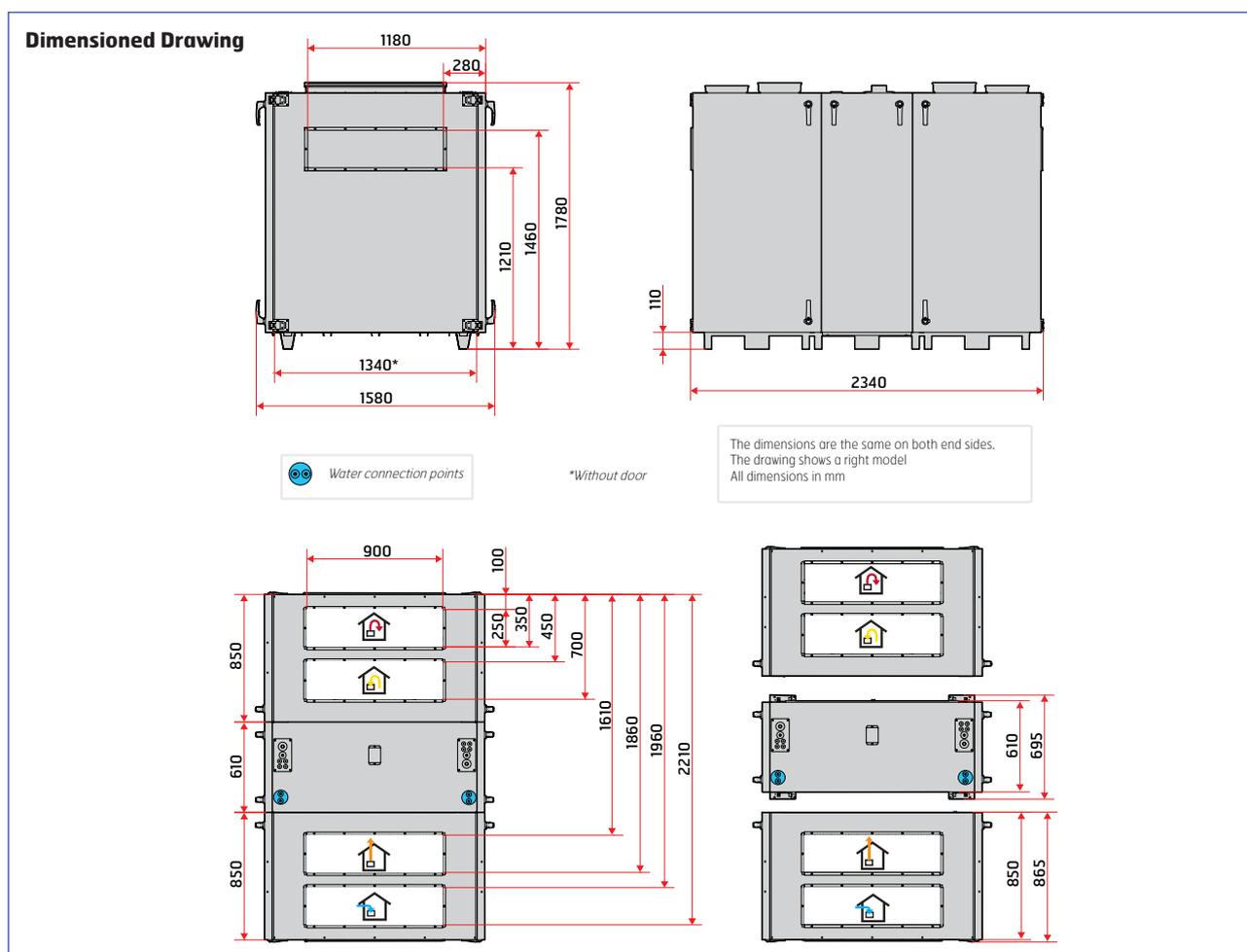
S50 R - AHU and accessories

17451	Air handling unit S50R 400V incl. Control panel CS 2000
112576	Filter set F7
113610	Electric battry, complete
113611	Water heating element, complete
113462	Closing air damper on/off 900x250 mm
113463	Closing air damper spring 900x250 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)

	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

Filter set

Electric battery

Water heating element

Closing air damper

Shunt valve

Motor shunt valve

Combi battery

Cooling battery

Room sensor CS 2000

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

CO_2-sensor SP 440