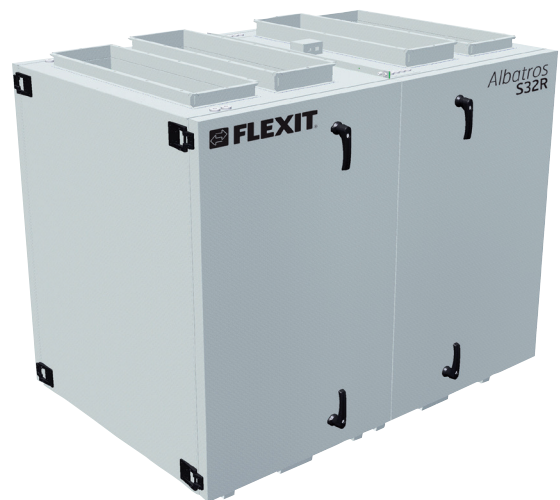Product data sheet

Air handling unit
Albatros **S32 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.
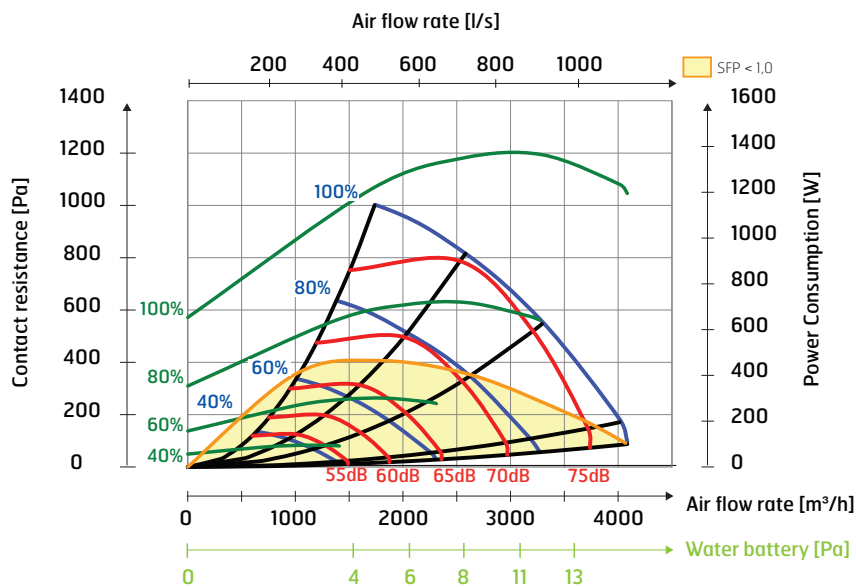Flexit S32R is produced against stock and will consequently have a very short delivery time.

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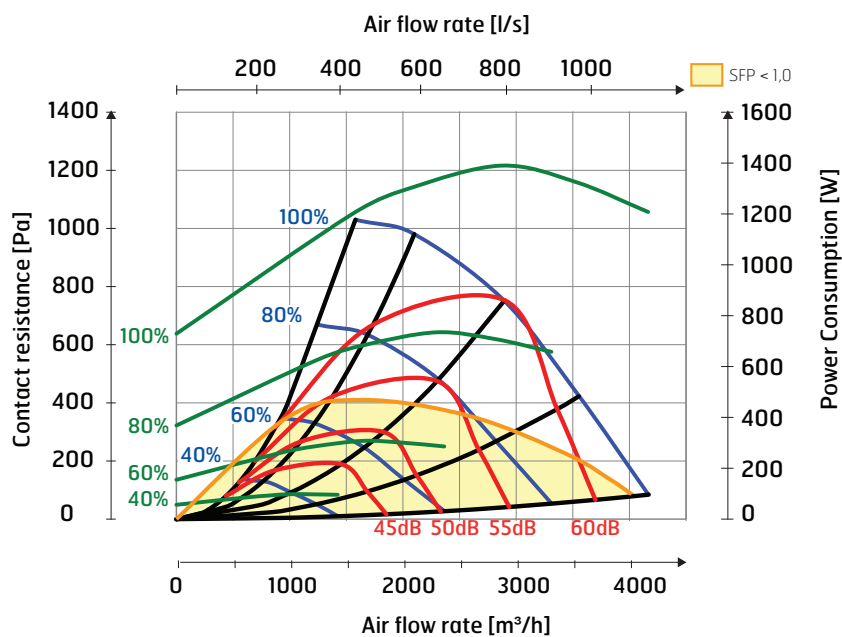
Easy access into buildings.
The unit is possible to split making transport into the building easy.

S32 R

Supply air side

Air flow rate [l/s]

200 400 600 800 1000

SFP < 1,0

Contact resistance [Pa]

1400
1200
1000
800
600
400
200
0

Power Consumption [W]

1600
1400
1200
1000
800
600
400
200
0

100%
80%
60%
40%

100%
80%
60%
40%

55dB 60dB 65dB 70dB 75dB

Air flow rate [m³/h]

0 1000 2000 3000 4000

Water battery [Pa]

0 4 6 8 11 13

Extract air side

Air flow rate [l/s]

200 400 600 800 1000

SFP < 1,0

Contact resistance [Pa]

1400
1200
1000
800
600
400
200
0

Power Consumption [W]

1600
1400
1200
1000
800
600
400
200
0

100%
80%
60%
40%

100%
80%
60%
40%

45dB 50dB 55dB 60dB

Air flow rate [m³/h]

0 1000 2000 3000 4000

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 accordance 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.
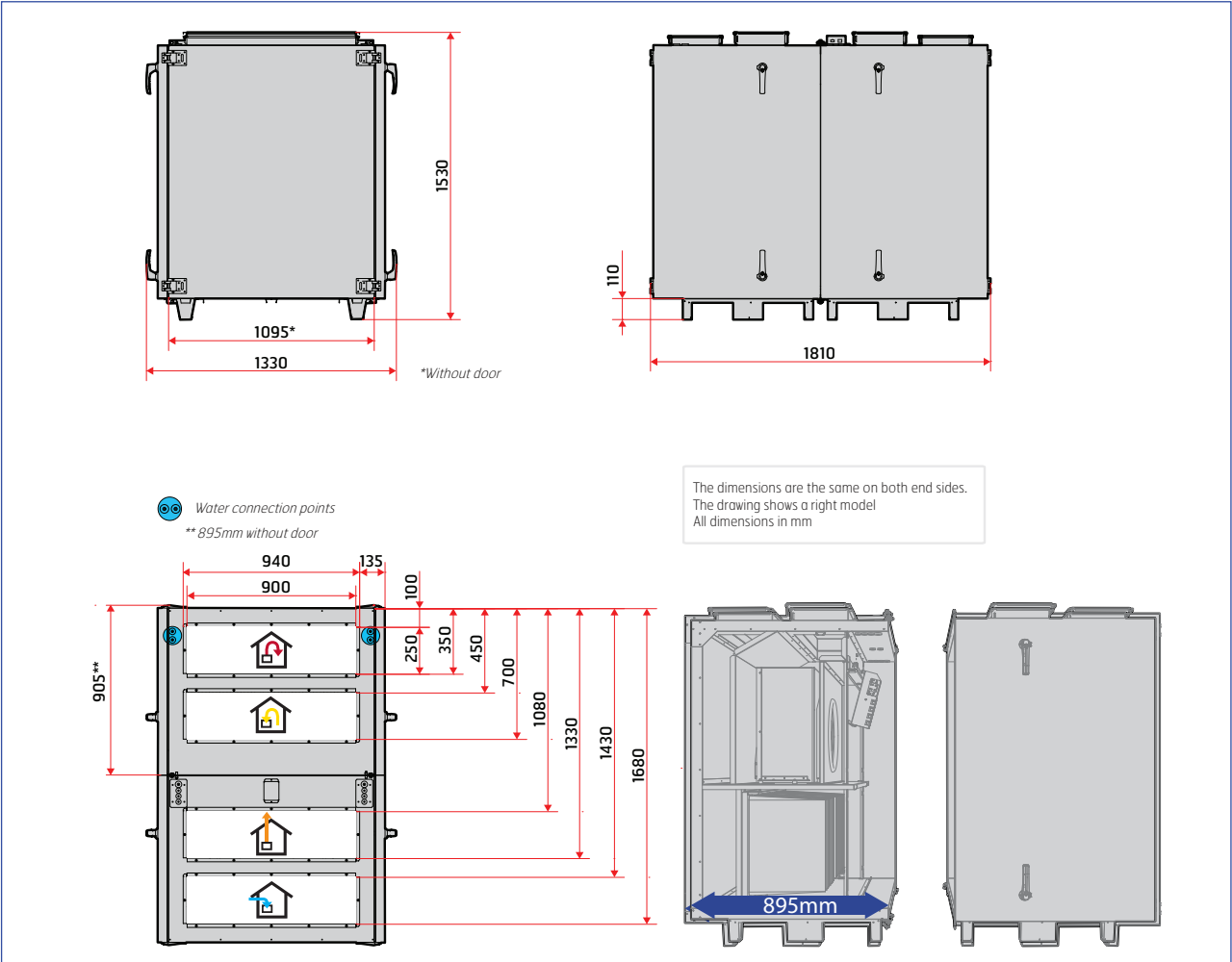Red: Sound – indicate sound lewel LwA.

Correction factor for Lw

Hz	63	125	250	500	1000	2000	4000	8000	LwA
Supply	3	-2	3	-4	-6	-10	-20	-24	
Extract	17	10	1	-6	-15	-24	-31	-32	
Radiated	-29	-20	-6	-15	-20	-24	-31	-46	-11,8

S32 R

	Electric battery	Water battery
Rated voltage	400 V	400 V
Fuse size	3 x 32 A	3 x 10 A
Rated current, total	24 A	8 A
Rated power, total	11900 W	2900 W
Rated power, electric battery	9000 W	-
Rated power, fans	2 x 1350 W (230 V)	2 x 1350 W (230 V)
Fan type	B wheel	B wheel
Fan motor control	0-10 V	0-10 V
Max. fan speed	2920	2920
Filter type	F7 bag filter	F7 bag filter
Filter dimensions (WxHxD mm)	1x (592x490x370) 1x (490x490x370)	1x (592x490x370) 1x (490x490x370)
Number of bags	18	18
Duct connection	900x250 mm	900x250 mm
Height	1530 mm	1530 mm
Width	1810 mm	1810 mm
Depth (with handles)	1330 mm	1330 mm
Depth (without door)	1095 mm	1095 mm

Gross unit weight	Fan	Heat recovery system	Doors	Net inward transport weight with control cabinet
406 kg	2 x 20 kg	75 kg	4 x 18,5 kg	217 kg

1530
1095*
1330
*Without door

110
1810

Water connection points
** 895mm without door

940
135
900
100
905**
350
250
450
700
1080
1330
1430
1680

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

895mm

S32 R – AHU and accessories

17460	Air handling unit S32R incl. Control panel CS 2000
112575	Filter set F7
112882	Electric battry, complete
112881	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
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 batteri

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

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