ProNordic S240R

ART.NO. 172600

Air handling units with rotary heat exchanger for commercial buildings.

Nominal air volume 3 100 m³/h against 250 Pa.

Product features
- Units kept on stock at Flexit
- Flexible - impossible to order wrong variant
- Energy efficient and silent

Automatic control

Choose between ProPanel and ProTouch control panel.

ProPanel   *ProTouch*

Description

Flexit ProNordic S240R is air handling units for commercial buildings kept on stock at Flexit.

Supplied as a right hand variant, but can be easily rebuilt on site to the left hand variant.

The after-heating battery (electric/water) is supplied with the units and installed on site.

The unit's compact physical dimensions simplifies transport and make the products flexible and adaptable to most installations.

The flexibility gives cost savings in the event of changes in projects and makes it impossible to order wrong variant.

The units can also be ordered pre-configured as desired, but with a certain delivery time.

Easy control with Siemens Climatix by control panel ProPanel or ProTouch.

Art.no.	GTIN	Model
172600	7023671726003	ProNordic S240R

Technical data

	η	SFP	Duct resistance	Airflow
CAPACITY	> 83 %	< 2.0	250 Pa	3 100 m³/h
	> 85 %	< 1.5	250 Pa	2 500 m³/h

		S240R with electric battery	S240R with water battery
POWER	Rated voltage (AC 50 Hz)	400 V	400 V
	Frequency	50 Hz	50 Hz
	Recommended fuse size	3 x 25 A	3 x 10 A
	Rated current	19,8 A	4,2 A
	Rated power, total	12 510 W	1 710 W
	Rated power, max. electric battery	10 800 W	-
	Rated power, fans	2 x 750 W (230 V)	2 x 750 W (230 V)
	Rated power, rotor motor	40 W	40 W
VENTILATION	Fan type	B-wheel	B-wheel
	Fan motor control	ModBus	ModBus
	Max. fan speed RPM	3 000	3 000
	Automatic control, standard	CS 2500	CS 2500
	Filter class	ePM1 55% (F7)	ePM1 55% (F7)
	Filter type (supply air/extract air)	Compact filter	Compact filter
DIMENSIONS	Filter dimensions (W x H x D)	592x490x370 + 490x490x370 mm	592x490x370 + 490x490x370 mm
	Gross unit weight	399 kg	399 kg
	Net unit weight inward transport	217 kg	217 kg
	Weight, fan	2 x 15 kg	2 x 15 kg
	Weight, rotor	76 kg	76 kg
	Weight, doors	4 x 19 kg	4 x 19 kg
	Duct connection	900 x 250 mm	900 x 250 mm
	Height	1 530 mm	1 530 mm
	Width	1 810 mm	1 810 mm
	Depth (with doors)	1 330 mm	1 330 mm
	Depth (without doors)	1 095 mm	1 095 mm

Dimensioned drawings
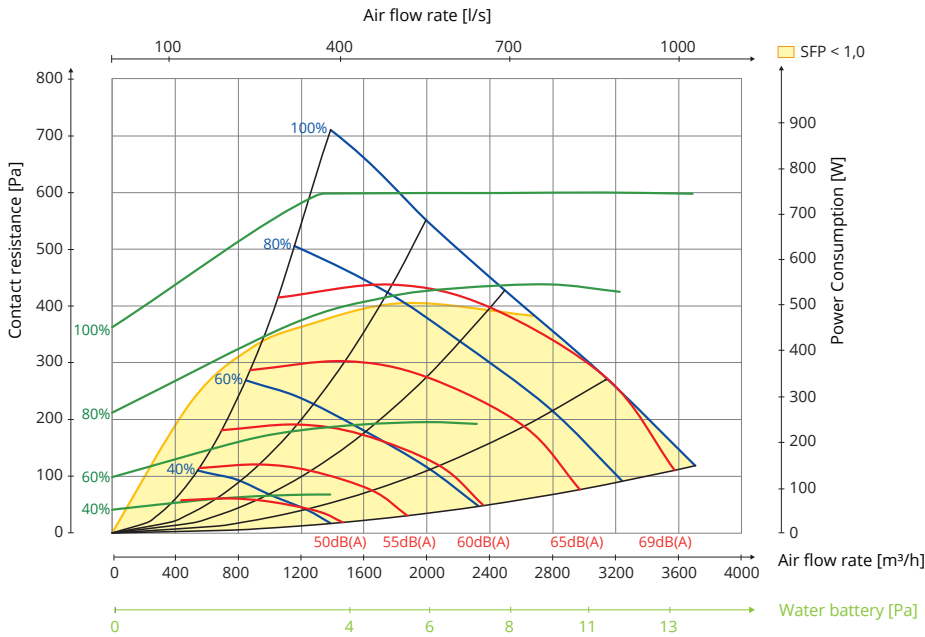
Dimensions in mm
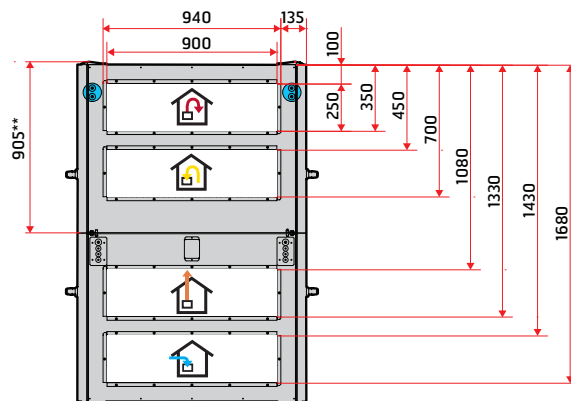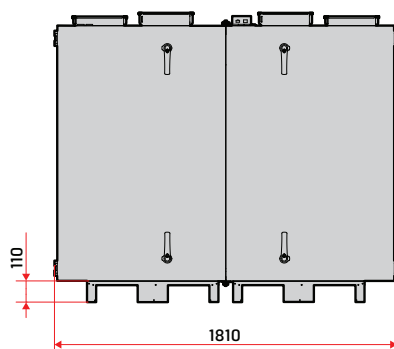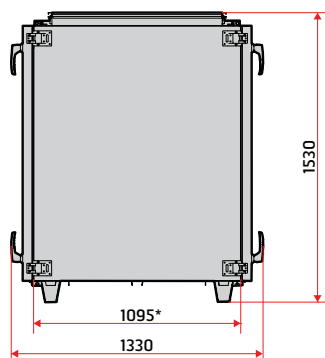
*without door

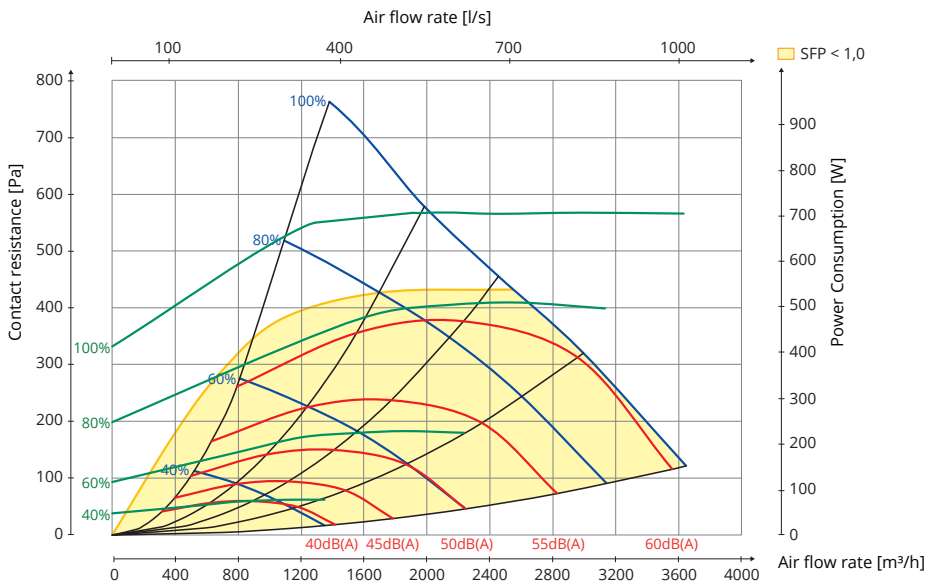The dimensions are the same
on both end sides.

**895 mm without door

⊕ water connection points

⊕ FLEXIT

Capacity diagram

Supply air side

Extract air side

Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	LwA (dBA)
Supply air	7	4	1	-3	-5	-10	-19	-24	
Extract air	14	12	1	-9	-18	-26	-32	-32	
Radiated sound	-29	-20	-6	-15	-20	-24	-31	-46	-12

For control and calculation of SFT_{INT} and SFP_{Limit} use FlexitSelect.

Explanation of diagram:

Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

These values can be corrected by means of the table for the different octave bands in order to look at Lw (without adaptation to A band).

The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

Radiated sound from the unit must be calculated from the supply air diagram.

Unit	
172600	Air handling unit S240R

| Accessories, unit	
112672	Control panel, ProPanel
118257	Control panel, ProTouch
112575	Filter set, spare part (F7)
113462	Closing air damper 900x250 mm on/off
113463	Closing air damper 900x250 mm spring
118528	Electric heating battery, complete
112881	Water heating battery, complete
114121	Combined heating battery 900x600 left
114074	Combined heating battery 900x600 right
117858	Combined heating battery 1200x600 left
117857	Combined heating battery 1200x600 right
114073	Cooling battery 900x600 left
114158	Cooling battery 900x600 right
117856	Cooling battery 1200x600 left
117855	Cooling battery 1200x600 right
116482	Shunt valve KVS 0,4 3-way commercial
116483	Shunt valve KVS 1,0 3-way commercial
116484	Shunt valve KVS 1,6 3-way commercial
116485	Shunt valve KVS 2,5 3-way commercial
116486	Shunt valve KVS 4,0 3-way commercial
117209	Shunt valve KVS 6,3 3-way commercial
117860	Shunt valve KVS 10 3-way commercial
116487	Shunt valve KVS 0,4 2-way commercial
116488	Shunt valve KVS 1,0 2-way commercial
116489	Shunt valve KVS 1,6 2-way commercial
116490	Shunt valve KVS 2,5 2-way commercial
116491	Shunt valve KVS 4,0 2-way commercial
117208	Shunt valve KVS 6,3 2-way commercial
117859	Shunt valve KVS 10 2-way commercial
116492	Motor shunt valve 0-10V KVS ≤ 0,4
116493	Motor shunt valve on/off KVS ≤ 0,4
117207	Motor shunt valve 0-10V KVS ≥ 6,3

| Accessories, control system CS2500	
112435	Modbus, communication module SP70
112438	BACnet IP, communication module
112439	Expansion module 14 IO
09368	Room sensor CC 1040
09369	Outdoor sensor CC 1041
09364	Press button
112442	Timer, electronic
112441	Timer, mechanical
09390	Motion detector SP 450
09358	Motion detector SP 435
09359	CO$_2$ sensor SP440
09861	Smoke detector SP445
112444	Pressure sensor 0-1250 Pa

ProPanel

ProTouch
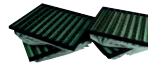
Filter

Closing air damper

Water heating battery

Electric heating battery
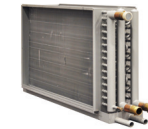
Combined heating battery

Cooling battery

Shunt valve 3-way

Motor shunt valve 0,4-4,0

Shunt valve 2-way

Motor shunt valve 6,3-10

Modbus SP70

BACnet IP

Expansion module

Room sensor CC 1040

Outdoor sensor CC 1041

Press button

Timer electronic

Timer mechanical

Motion detector SP 450

CO$_2$ sensor SP 440

Smoke detector SP 445

Motion detector SP 435

Pressure sensor

For more information on topics including installation and wiring diagrams, see www.flexit.com