Product data sheet

ProNordic S140R

ART.NO. 171200

Air handling units with rotary heat exchanger for commercial buildings.

Nominal air volume 1 555 m³/h against 200 Pa.

Product features
- Units kept on stock at Flexit
- Flexible - impossible to order wrong variant
- Energy efficient and silent
- Easy control by Siemens Climatix

Automatic control

Choose between ProPanel and ProTouch control panel.

ProPanel   *ProTouch*

Description

Flexit ProNordic S140R 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
171200	7023671712006	ProNordic S140R

Technical data

PERFORMANCE	η	SFP	Duct resistance	Airflow
	> 80 %	< 2.0	200 Pa	1 555 m³/h
	> 85 %	< 1.5	150 Pa	1 250 m³/h

|		S140R with electric battery	S140R with water battery
POWER	Rated voltage (AC 50 Hz)	400 V	400 V
	Frequency	50 Hz	50 Hz
	Fuse size	3 x 16 A	3 x 10 A
	Rated current	8,3 A	3,1 A
	Rated power, total	4 810 W	1 210 W
	Rated power, max. electric battery	3 600 W	-
	Rated power, fans	2 x 500 W (230 V)	2 x 500 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	2 700	2 700
	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)	695 x 405 x 100 mm	695 x 405 x 100 mm
	Gross unit weight	233 kg	233 kg
	Net unit weight inward transport	125 kg	125 kg
	Weight, fan	2 x 11 kg	2 x 11 kg
	Weight, rotor	38 kg	38 kg
	Weight, doors	4 x 13,5 kg	4 x 13,5 kg
	Duct connection	Ø 250 mm	Ø 250 mm
	Height	1 360 mm	1 360 mm
	Width	1 480 mm	1 480 mm
	Depth (with håndtage)	935 mm	935 mm
	Depth (without doors)	695 mm	695 mm

Dimensioned drawings

Dimensions in mm
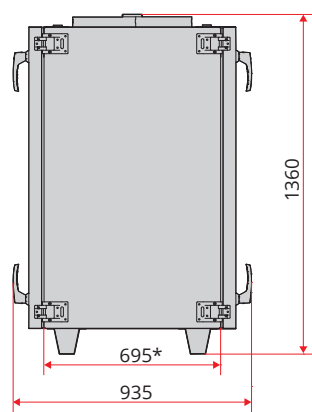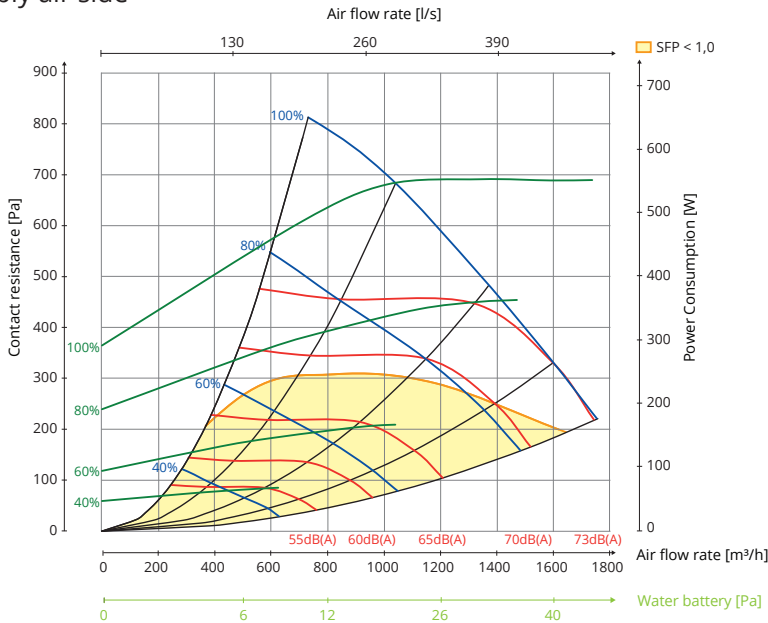

*without door

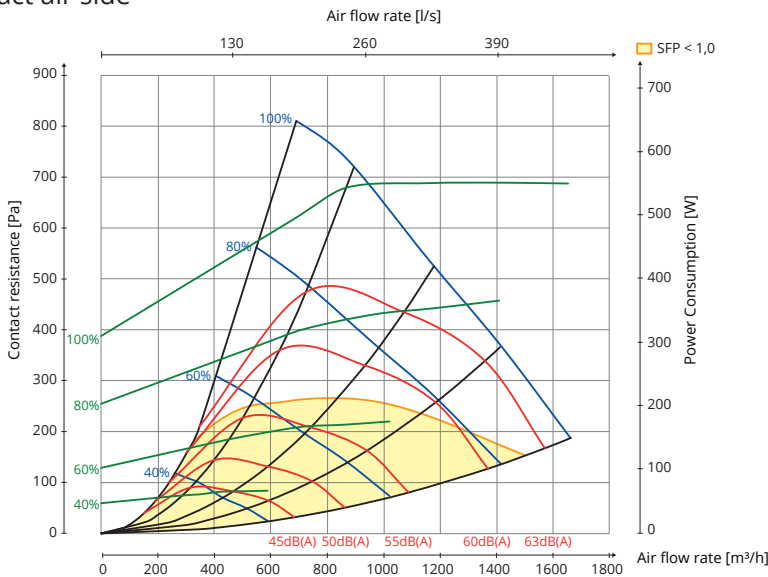The dimensions are the same on both end sides.
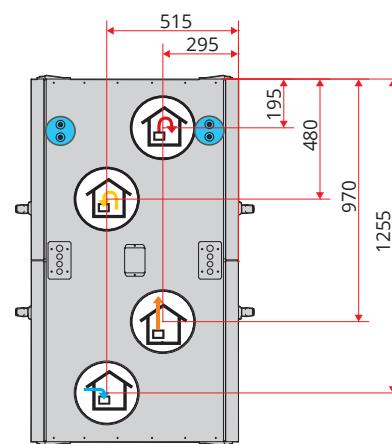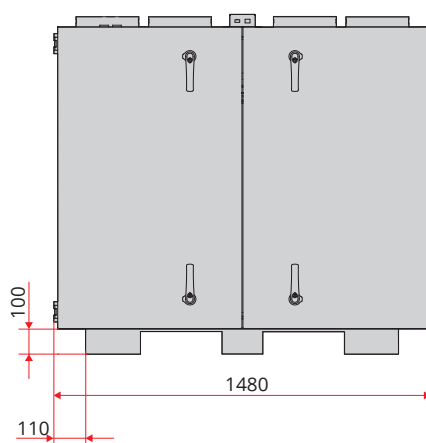
water connection points

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	6	6	4	-4	-7	-11	-20	-23	
Extract air	18	11	3	-13	-17	-21	-27	-32	
Radiated sound	-31	-22	-15	-24	-25	-28	-30	-37	-19

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	
171200	Air handling unit S140R

Accessories, unit	
112672	Control panel, ProPanel
118257	Control panel, ProTouch
113427	Filter set (spare part)
14476	Closing air damper Ø250 on/off
14485	Closing air damper Ø250 spring
118019	Electric heating battery, complete
113433	Water heating battery, complete
113550	Combined heating battery 500x400 left
113551	Combined heating battery 500x400 right
113552	Combined heating battery 600x400 left
113553	Combined heating battery 600x400 right
114127	Cooling battery 500x400 left
114128	Cooling battery 500x400 right
114129	Cooling battery 600x400 left
114130	Cooling battery 600x400 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

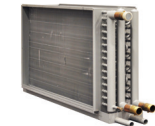ProTouch

Filter

Closing air damper

Water heating battery

Electric heating battery

Combined heating battery

Cooling battery

Shuntventil 2-way

Motor shunt valve 0,4 - 4,0

Shuntventil 3-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

The product is listed in the database for building products that can be used in **Nordic Swan Ecolabelled buildings.**

Flexit AS
www.flexit.com