

OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE SILVER C RX/PX/CX/SD



The document was originally written in Swedish.

Contents

1. Safety Instructions	3
1.1 Risks	3
1.2 Glycol	3
2. General	4
2.1 Handling the air handling unit before commissioning	4
2.2 Range of Application	4
2.3 Mechanical Design	4
2.4 Environmental Documentation	4
2.5 To run internal cables	4
2.5 The Components of the Air Handling Units	5
2.5.1 SILVER C RX one-piece air handling units with rotary heat exchanger	5
2.5.2 SILVER C PX one-piece air handling units with plate heat exchanger	6
2.5.3 SILVER C CX one-piece air handling units with coil heat exchangers	7
2.5.4 SILVER C SD separate supply air and extract air handling units, sizes 04-08	8
2.5.5 SILVER C SD separate supply air and extract air handling units, size 11/12	9
2.5.6 SILVER C SD separate supply air and extract air handling units, sizes 14-120, with coil heat exchangers	10
3. Commissioning	11
3.1 General	11
3.2 Adjusting the Duct System and air diffusers	12
3.2.1 Adjustment Sequence	12
3.2.2 Commissioning procedure	12
3.3 To Adjust the Pressure Balance	13
3.3.1 General	13
3.3.2. Ensure correct direction of air leakage	14
4. Maintenance	15
4.1 Filter change	15
4.1.1 Dismantling the filters	15
4.1.2 Installing new filters	15
4.1.3 Initial pressure drop, filters	16
4.2 Cleaning and Inspection	21
4.2.1 General	21
4.2.2 Filter spaces	21
4.2.3 Heat exchangers	21
4.2.4 Fans and fan spaces	21
4.3 General inspection	21
5.1 To connect manometers	22
5. Measurement of the airflow	22
5.2 Auxiliary diagram for measuring airflows	22
5.2.1 Calculation of temperature-compensated airflows	23
5.2.2 Calculation of flow measurement pressure	23
6. Technical data	24
6.1 Dimensions, SILVER C RX one-piece air handling units with rotary heat exchanger	24
6.2 Dimensions, SILVER C PX one-piece air handling units with plate heat exchanger	28
6.3 Dimensions, SILVER C CX one-piece air handling units with coil heat exchangers	30
6.4 Dimensions, separate SILVER C SD supply air and extract air handling units	32
6.5 Electrical data	36
6.5.1 Fans	36
6.5.2 Motor in rotary heat exchanger	36
6.4.2.1 Standard rotor	36
6.4.2.2 RECOsorplic rotor	36
6.6 Volume of glycol/water CX/SD coil heat exchangers	37
7. Appendices	38
7.1 Declaration of incorporation of a partly completed machinery	38
7.1.1 SILVER C RX	38
7.1.2 SILVER C PX	39
7.1.3 SILVER C CX	40
7.1.4 SILVER C SD	41
11.3 Ecodesign data	42
7.3 Building Materials Declaration	74

1. Safety Instructions

All staff concerned must acquaint themselves with these instructions before beginning any work on the unit. Any damages to the unit or parts of it due to improper handling or misuse by the purchaser or the fitter cannot be considered subject to guarantee if these instructions have not been followed correctly.



Warning

Only qualified electricians or service personnel shall be permitted to carry out any work on the electrical system or wire external functions in the air handling unit.

1.1 Risks



Warning

Before carrying out any work, make sure that the power supply to the air handling unit has been switched off.

Risk areas with moving parts

Moving parts are fan impellers, drive pulley for the rotary heat exchanger, if fitted, and by-pass/shut-off damper of the plate heat exchanger, if fitted.

The lockable inspection doors serve as protection from contact with the fans and protection for the heat exchanger. If the ducts are not firmly connected to the fan outlets, the outlets must be firmly fitted with a safety guard (wire mesh screen).



Warning

The inspection doors on the filter/fan sections must not be opened while the unit is operating. Wait until the fans have stopped before opening the door. Positive pressure inside the fan section will otherwise cause the door to fly open. Keep the key at a safe spot separate from the air handling unit.

1.2 Glycol

Glycol is used in the SILVER C air handling units with coil heat exchangers.



Warning

Never pour glycol down a drain; collect it in a receptacle and leave it at a recycling centre, petrol station, etc. Glycol is highly dangerous to consume and can cause fatal poisoning or damage the kidneys. Contact a doctor! Avoid breathing glycol vapour in confined spaces. If you get glycol in your eyes, flush them thoroughly with water (for about 5 minutes). If glycol splashes on your skin, wash with soap and water.

2. General

2.1 Handling the air handling unit before commissioning

The air handling unit and its duct connections should be protected against wetness and condensation until the unit is commissioned.

2.2 Range of Application

The SILVER C units are designed for use in comfort ventilation applications. Depending on the variant selected, the SILVER C units can be utilised in buildings such as office buildings, schools, day nurseries, public buildings, shops, residential buildings, etc.

SILVER C units equipped with plate/coil heat exchangers (PX/CX) and separate supply air and extract air handling units (SD) can also be used for the ventilation of moderately humid buildings; however not where the humidity is continuously high, such as in indoor swimming baths.

The separate SILVER C supply air and extract air handling units (SD) are designed for applications in which the supply air and extract air flows need to be completely separated from one another or where, due to limited available space, separate units for supply air and extract air respectively are needed. They can also be used individually if only one of the variants is needed.

In order to fully obtain all the benefits the SILVER C system has to offer, it is important keep in mind the air handling unit's special characteristics in conjunction with designing the project, installation, commissioning and operating the system.

The air handling unit in its basic design should be installed indoors. The TBTA/TBTB accessory should be used if the air handling units are installed outdoors.



Important!

Always read the safety instructions in Section 1 that explain the risks involved in running the unit and designate who shall be permitted to operate and service the unit, and carefully follow the installation instructions provided in each paragraph.

The product identification plates are located on the inspection side of the air handling unit and on a wall inside the fan section. Refer to the particulars on the product identification plate when you contact Swegon.

2.3 Mechanical Design

The SILVER C is available in 9 physical sizes and for 18 airflow ranges.

The outer sheet steel skin is painted in Swegon's grey metallic colour (closest RAL colour: 9007). The handles and decor strips and connection hood are black. Internal material: aluminium-zinc plated sheet steel. Environmen-

tal Class C4. Panel thickness of 52 mm with intervening insulation consisting of mineral wool.

SILVER C with plate heat exchanger (PX, counterflow type) or rotary heat exchanger (RX) in size 11-30 with air intake from above, the separate supply air handling and extract air handling units (SD) in size 04-08, and the SILVER C RX Top are equipped with pleated, class ePM10 60% (M5) or ePM1 50% (F7) filters. The other variants/sizes have Class ePM10 60% (M5) or ePM1 50% (F7) supply air filters and extract air filters made of glass fibre.

The type RECOeconomic or RECOsorption rotary heat exchangers are variable speed of rotation controlled and have a temperature efficiency of up to 85%.

The plate heat exchangers are as standard equipped with bypass and shut-off dampers for variable and automatic control of the heat exchanger's efficiency on heat recovery.

Pipework packages in unassembled form are available for the size 35/120 SILVER C CX one-piece units and for the size 12-120 SILVER C SD separate supply air and extract air handling units.

The supply air and extract air fans are of SILVER C Wing+ type, an axi-centrifugal fan with backward-curved blades. The fans are direct-driven and have a motor control system for variable speed control.

2.4 Environmental Documentation

For a complete Declaration of Construction Materials, see our home page at www.swegon.com (applicable to Sweden only).

The air handling unit is designed in such a way that it can be easily dismantled into its component parts. When the unit has ended its useful product life, the services of an accredited recycling company should be utilised for disposal.

Approximately 94% of the parts in SILVER C air handling units are recyclable.

Swegon AB is associated with the REPA Register, No. 5560778465.

Contact Swegon AB, Phone: +46 (0)512-322 00, if you have any questions regarding the dismantling instructions or the air handling unit's impact on the environment.

2.5 To run internal cables

The installation and wiring work must be carried out by a qualified electrician.

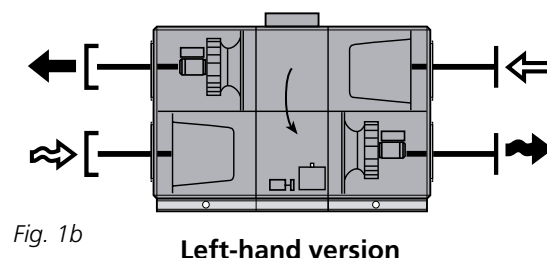
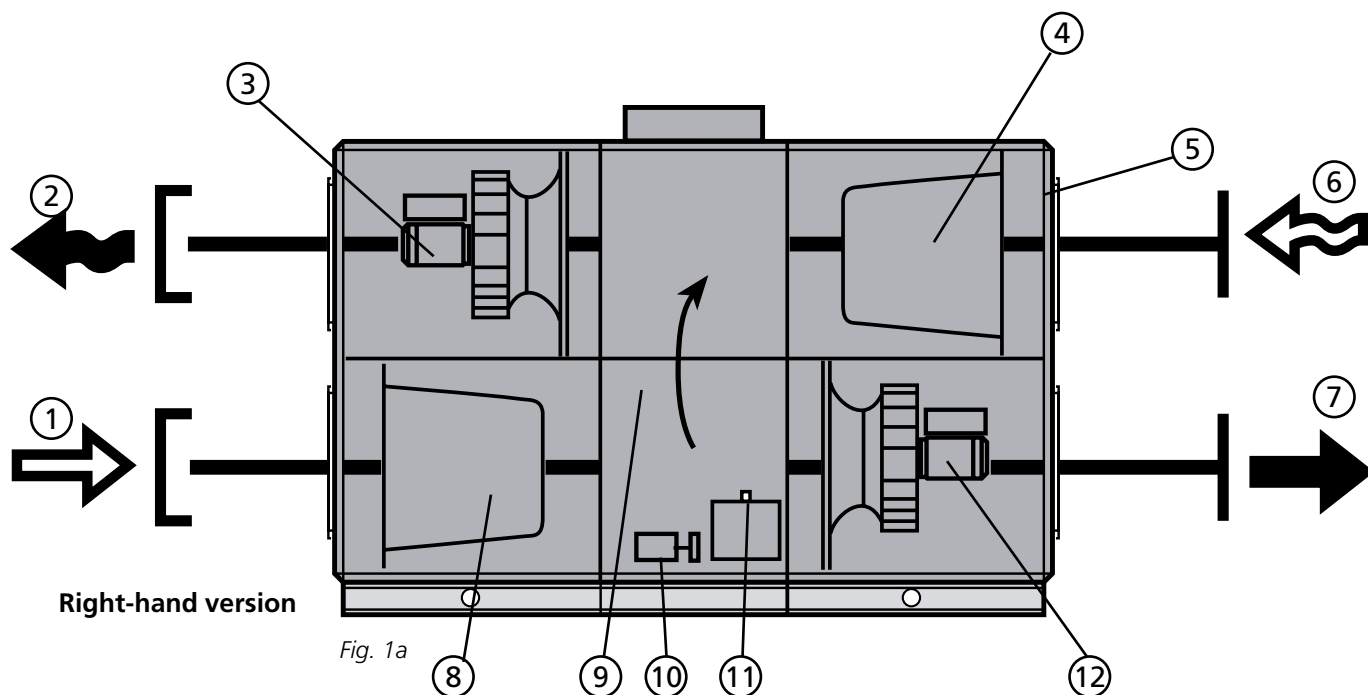
Cables from external sources can be run into the air handling unit through the rubber diaphragm on the rear side of the junction hood (RX 04-30) or on the inspection side of the unit (Other sizes).

The unit is equipped with cable holders in the centre section and cable grommets and rubber diaphragm between the unit sections. The internal running of cables must be run in a safe manner and follow applicable rules and standards.

2.5 The Components of the Air Handling Units

2.5.1 SILVER C RX one-piece air handling units with rotary heat exchanger

The individual components are each specified below in a simplified and diagrammatical description.



SILVER C 04-120: The air handling units can be ordered in the right-hand version as shown in Fig. 1a or in the left-hand version as shown in Fig. 1b.

SILVER C 12-120: The air handling unit according to Fig. 1a shows Fan Arrangement 1. The unit can also be ordered according to Fan Arrangement 2. The fans and filters are then vertically mirror-inverted.

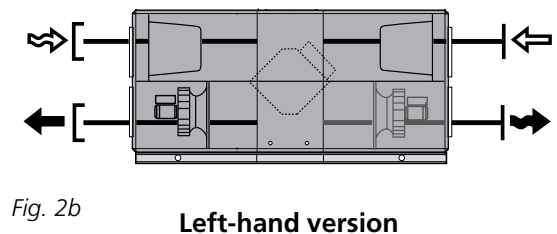
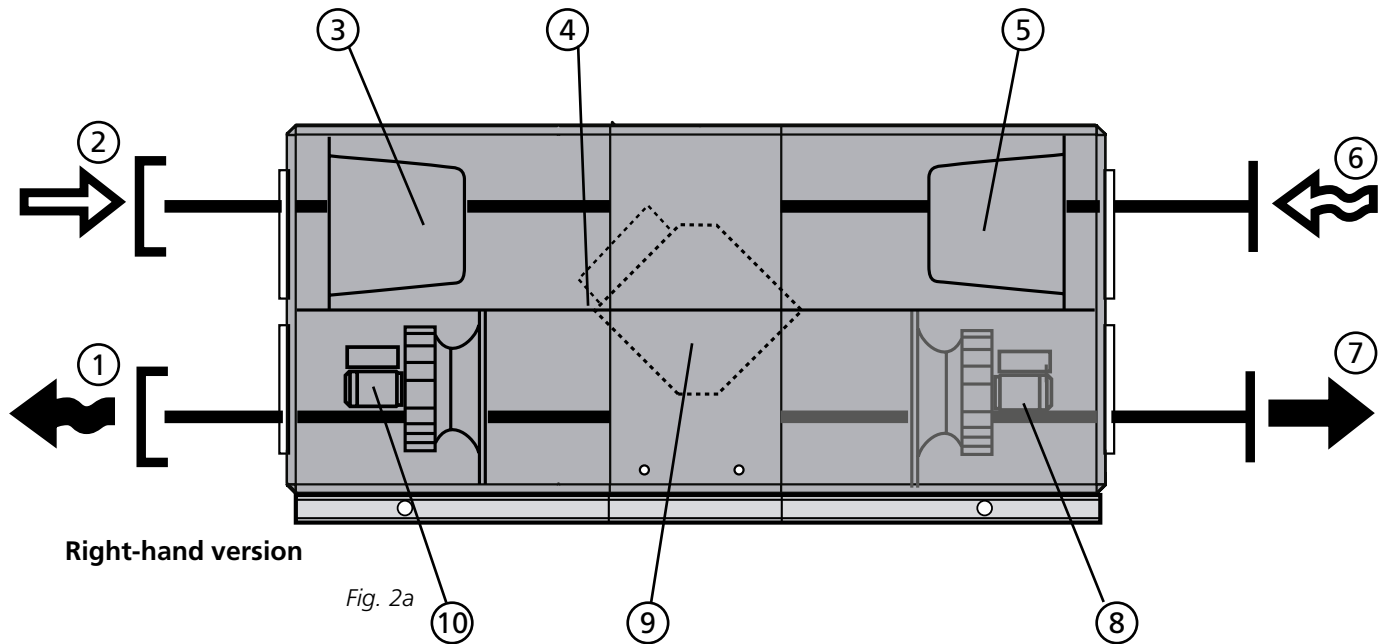
In the left-hand version (Fig. 1b), the components marked with an asterisk change function and designation (the components are named according to whether they are for supply air or extract air).

The arrangement of the components and their designations

- | | |
|---|--|
| 1 OUTDOOR AIR* (In left-hand version: Extract air) | 7 SUPPLY AIR* (In left-hand version: Exhaust air) |
| 2 EXHAUST AIR* (In left-hand version: Supply air) | 8 Supply air filter* |
| 3 Extract air fan* with motor and motor control system | 9 Heat exchanger |
| 4 Extract air filter* | 10 Drive motor in heat exchanger |
| 5 Commissioning plate (In left-hand unit version - by left-hand filter section) | 11 Rotation monitor sensor |
| 6 EXTRACT AIR* (In left-hand version: Outdoor air) | 12 Supply air fan* with motor and motor control system |

2.5.2 SILVER C PX one-piece air handling units with plate heat exchanger

The individual components are each specified below in a simplified and diagrammatical description.



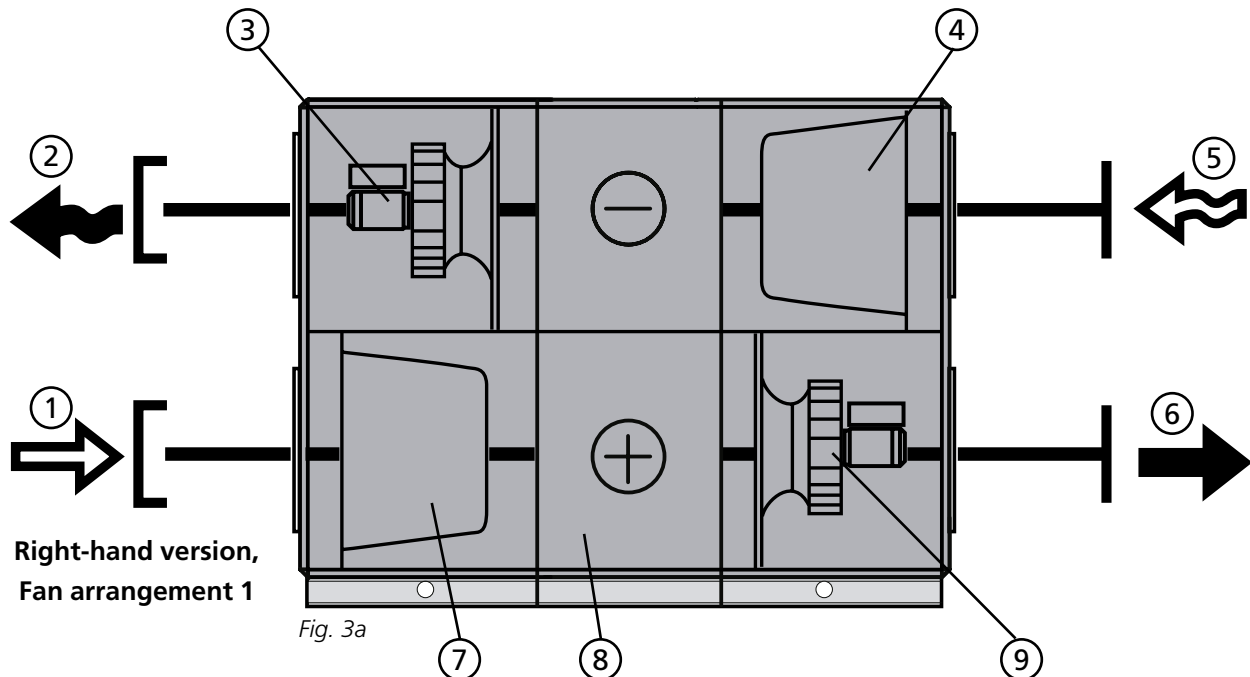
The air handling units are supplied in the right-hand or left-hand version as shown in Fig. 2a and 2b. In the left-hand version (Fig. 2b), the components marked with an asterisk change function and designation (the components are named according to whether the function is for supply air or extract air.).

The arrangement of the components and their designations

- 1 EXHAUST AIR* (In left-hand version: Supply air)
- 2 OUTDOOR AIR* (In left-hand version: Extract air)
- 3 Supply air filter*
- 4 Damper actuators, shut-off and bypass dampers
- 5 Extract air filter*
- 6 EXTRACT AIR* (In left-hand version: Outdoor air)
- 7 SUPPLY AIR* (In left-hand version: Exhaust air)
- 8 Supply air fan* with motor and motor control system
- 9 Plate heat exchanger with bypass and shut-off damper
- 10 Extract air fan* with motor and motor control system

2.5.3 SILVER C CX one-piece air handling units with coil heat exchangers

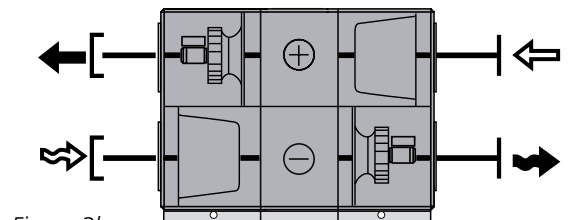
The individual components are each specified below in a simplified and diagrammatical description.



The air handling units can be ordered in the right-hand version as shown in Fig. 3a or in the left-hand version as shown in Fig. 3b.

The air handling unit according to Fig. 3a shows Fan Arrangement 1. The unit can also be ordered according to Fan Arrangement 2. The fans and filters are then vertically mirror-inverted.

In the left-hand version (Fig. 3b), the components marked with an asterisk change function and designation (the components are named according to whether the function is for supply air or extract air).



**Left-hand version
Fan arrangement 1**

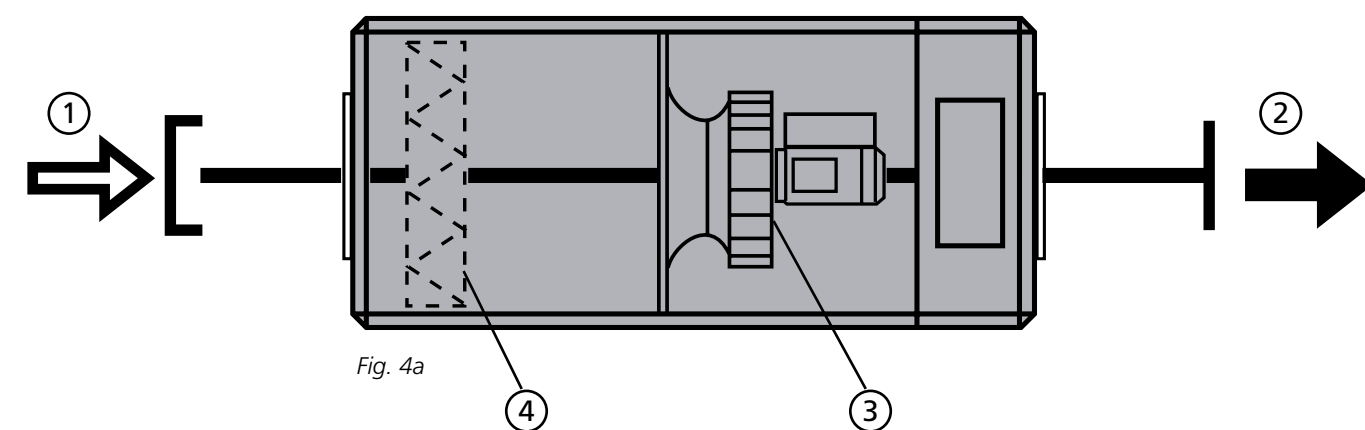
The arrangement of the components and their designations

- 1 OUTDOOR AIR* (In left-hand version: Extract air)
- 2 EXHAUST AIR* (In left-hand version: Supply air)
- 3 Extract air fan* with motor and motor control system
- 4 Extract air filter*
- 5 EXTRACT AIR* (In left-hand version: Outdoor air)
- 6 SUPPLY AIR* (In left-hand version: Exhaust air)
- 7 Supply air filter*
- 8 Coil heat exchanger
- 9 Supply air fan* with motor and motor control system

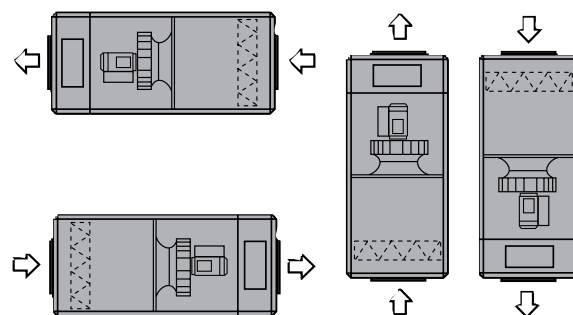
The pipework package can be supplied in unmounted condition for floor or wall mounting (accessories).

2.5.4 SILVER C SD separate supply air and extract air handling units, sizes 04-08

The individual components are each specified below in a simplified and diagrammatical description.



Outdoor air Supply air



The air handling unit is supplied in the variant as shown in Fig. 4a. This variant can be positioned in several different ways as shown in Fig. 4b.

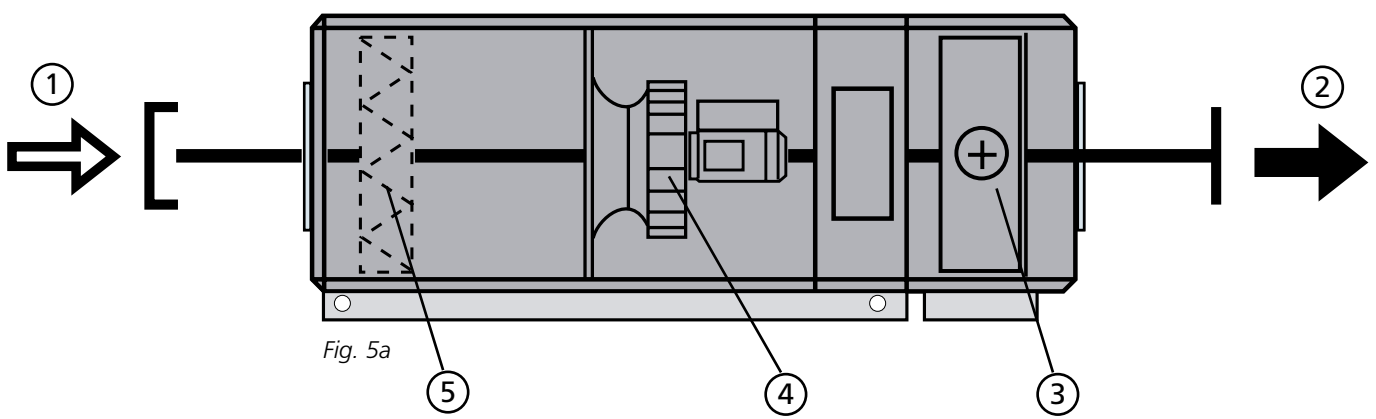
The air handling unit is shown here as a supply air handling unit. If the unit is used as an extract air handling unit, the components marked with an asterisk change function and designation (the components are named according to whether the function is for supply air or extract air).

The arrangement of the components and their designations

- 1 OUTDOOR AIR*
(In extract air handling units: Extract air)
- 2 SUPPLY AIR*
(In extract air handling units: Exhaust air)
- 3 Supply air fan* with motor and motor control system
(In extract air handling units: Extract air fan with motor and motor control system)
- 4 Supply air filter, if applicable*
(In extract air units: Extract air filter)

2.5.5 SILVER C SD separate supply air and extract air handling units, size 11/12

The individual components are each specified below in a simplified and diagrammatical description.





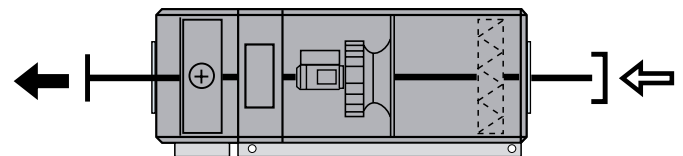
 Outdoor air Supply air

The air handling units can be ordered in the right-hand version as shown in Fig. 5a or the left-hand version as shown in Fig. 5b. The air handling units can also consist of filter and fan only or fan only.

The air handling unit is shown here as a supply air handling unit. If the unit is used as an extract air handling unit, the components marked with an asterisk change function and designation (the components are named according to whether the function is for supply air or extract air).

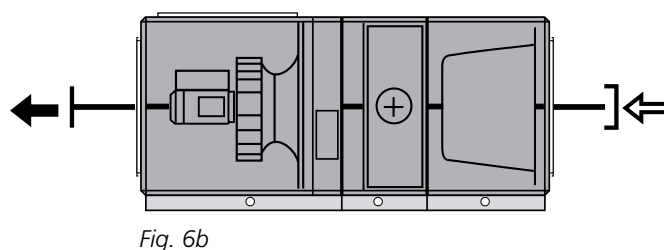
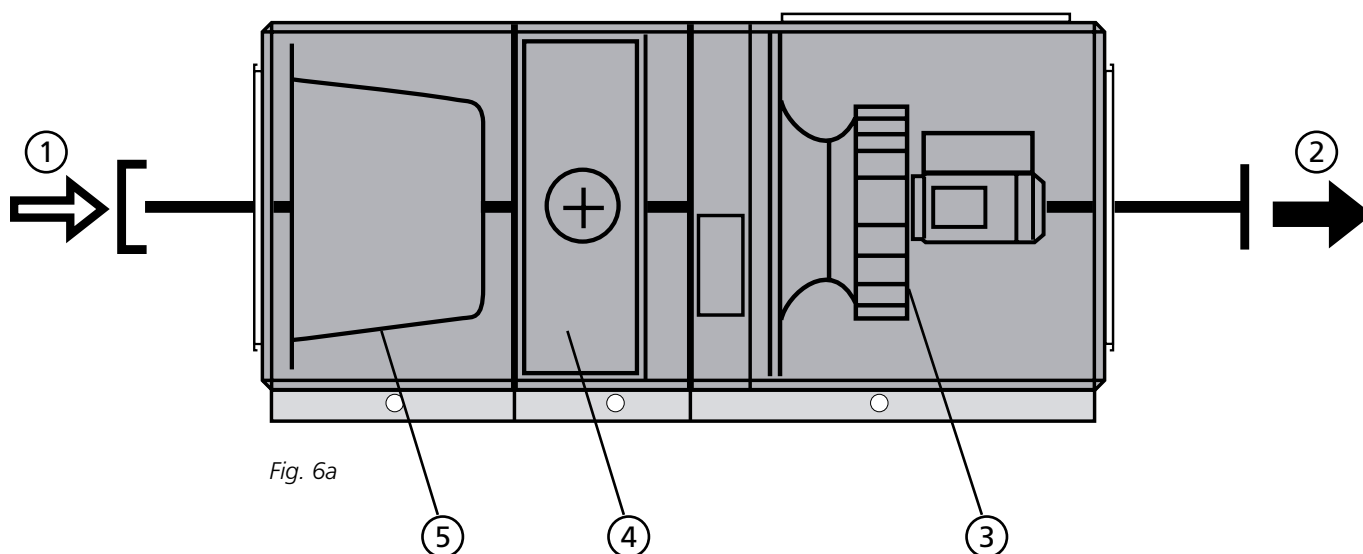
The arrangement of the components and their designations

- | | | | |
|---|--|---|---|
| 1 | OUTDOOR AIR* | 4 | Supply air fan* with motor and motor control system
(In extract air handling units: Extract air fan with motor and motor control system) |
| 2 | SUPPLY AIR* | 5 | Supply air filter, if applicable*
(In extract air units: Extract air filter) |
| 3 | Coil heat exchanger, if applicable, supply air*
(In extract air handling units: Coil heat exchanger, extract air) | | |



2.5.6 SILVER C SD separate supply air and extract air handling units, sizes 14-120, with coil heat exchangers

The individual components are each specified below in a simplified and diagrammatical description.



The air handling units can be ordered in the right-hand version as shown in Fig. 6a or the left-hand version as shown in Fig. 6b. The air handling units can also consist of filter and fan only or fan only.

The air handling unit is shown here as a supply air handling unit. If the unit is used as an extract air handling unit, the components marked with an asterisk change function and designation (the components are named according to whether the function is for supply air or extract air).

The arrangement of the components and their designations

- | | | | |
|---|--|---|---|
| 1 | OUTDOOR AIR* | 4 | Coil heat exchanger, if applicable, supply air* |
| | (In extract air handling units: Extract air) | | (In extract air handling units: Coil heat exchanger, extract air) |
| 2 | SUPPLY AIR* | 5 | Supply air filter, if applicable* |
| | (In extract air handling units: Exhaust air) | | (In extract air units: Extract air filter) |
| 3 | Supply air fan* with motor and motor control system | | |
| | (In extract air handling units: Extract air fan with motor and motor control system) | | |

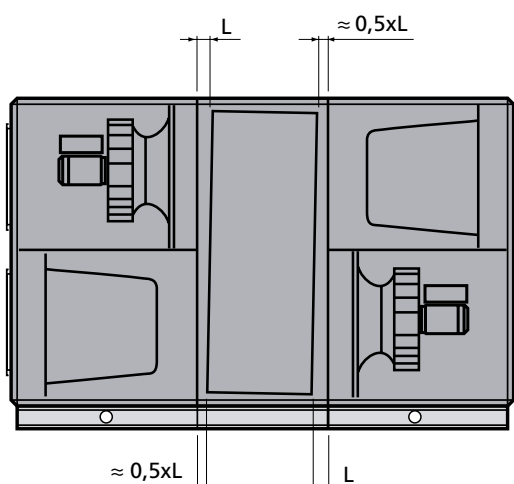
3. Commissioning

3.1 General

Commissioning sequence:

1. Check that there are no foreign objects inside the unit, duct system or functional sections.
2. Check that rotary heat exchanger rotor (SILVER C RX only) rotates easily. On sizes 50-120, the rotary heat exchanger must be angled slightly towards the filter, see drawing below.

If the inclination needs adjusting, see special instructions for adjusting the inclination of the rotary heat exchanger (04-80) or the installation instructions for the SILVER C (120).



SILVER C RX, sizes 50-120: The illustration shows the factory-preset rotor inclination in a unit with Fan Arrangement 1. The inclination must always be towards the filter; which means that the inclination for Fan Arrangement 2 is in the other direction.

7. Check and adjust, if required, the pressure balance in the air handling unit as described in Section 3.3.

3.2 Adjusting the Duct System and air diffusers

In order to prevent the fans from consuming more power than necessary, it is important to keep the pressure drop in the system at the lowest possible level. It is also important that duct systems and air diffusers are correctly commissioned to provide the comfort expected.

When commissioning air diffusers and the duct systems for the SILVER C, it is appropriate to follow the proportionality method.

This means that the ratio between the airflows in branch ducts remains constant even if you change the airflow in the main ducts. The same ratio applies to the air diffusers in the installation.

3.2.1 Adjustment Sequence

The system should be adjusted in the following order:

1. Adjust of the air diffusers in each branch duct.
2. Adjust the branch ducts.
3. Adjust the main ducts.

3.2.2 Commissioning procedure

1. Set all the air diffusers and dampers to the fully open position.
2. Calculate the quotient between the airflow reading and the design airflow of all the air diffusers, branch ducts and main ducts. The air diffuser in every branch that has the lowest quotient should be fully open. Use this air diffuser as an INDEX AIR DIFFUSER. The same applies to branch dampers and main dampers.

When you've finished commissioning, one air diffuser in every branch, one branch damper and one main damper should consequently be fully open.

3. Start adjusting the main duct that has the highest quotient and the branch duct in the main duct that has the highest quotient. Starting from this point enables you to then "press" the air in front of you toward the sections of the system that have the least air.
4. Adjust the last air diffuser on the duct branch so that it will have the same quotient as the index air diffuser. This air diffuser becomes the REFERENCE AIR DIFFUSER. The last air diffuser on the branch is often the one that has the lowest quotient and this air diffuser should be open. In this case, the index air diffuser and the reference air diffuser will be one and the same.

5. Throttle the other air diffusers in the branch to the same quotient as the reference device.

NOTE! The quotient in the reference terminal will change every time another air diffuser is throttled, so in practice the quotient for the reference air diffuser can be set slightly higher. The reference device must be measured in between each air diffuser throttled.

6. Go to the branch that had the next highest quotient and adjust the air diffusers there, etc.

NOTE! All branch dampers should be fully open until all air diffusers have been adjusted.

7. Throttle the branch damper that had the highest quotient to the same quotient as the branch that had the lowest quotient.

NOTE! Keep in mind that the index damper changes quotient; proceed as described in item 5.

8. When all branches have been commissioned, throttle the main dampers in the same manner.

See also Adjustment example below.

Example on how to make an adjustment

– Start adjusting duct branch B, since this one has the highest quotient.

– The last air device, B3, has the lowest quotient and should be fully open.

Adjust the other air devices, B1 and B2, so that these will have the same quotient as air device B3 (see item 5 above).

– Now adjust the air devices in branch duct C. Air device C4 should be fully open; throttle the others to the same quotient.

– Adjust the air devices in branch duct A. The index air device here is air device A3, which means that you first throttle air device A4 (the reference device) to device A3:s quotient. Then adjust the others to the same quotient as air device A4.

– Throttle branch damper B to the same quotient as branch damper A, throttle branch damper C to the same quotient as branch damper A.

Check that all dampers have the same quotient.

When commissioning has been completed, 3 air devices and one branch damper should stand fully open to obtain the lowest possible pressure in the system.

A	A1	A2	A3	A4	
160	30	45	45	40	q_p
152	36	48	35	33	q_m
0,95	1,2	1,06	0,78	0,82	K
B	B1	B2	B3		
105	35	30	40	q_p	
117	43	38	36	q_m	
1,11	1,22	1,26	0,9	K	
C	C1	C2	C3	C4	
165	45	40	40	40	q_p
161	50	43	35	33	q_m
0,97	1,11	1,07	0,87	0,82	K

$q = 430 \text{ l/s}$

q_p = design airflow (l/s)

q_m = flow reading (l/s)

$$K (\text{Quotient}) = \frac{q_m}{q_p}$$

3.3 To Adjust the Pressure Balance

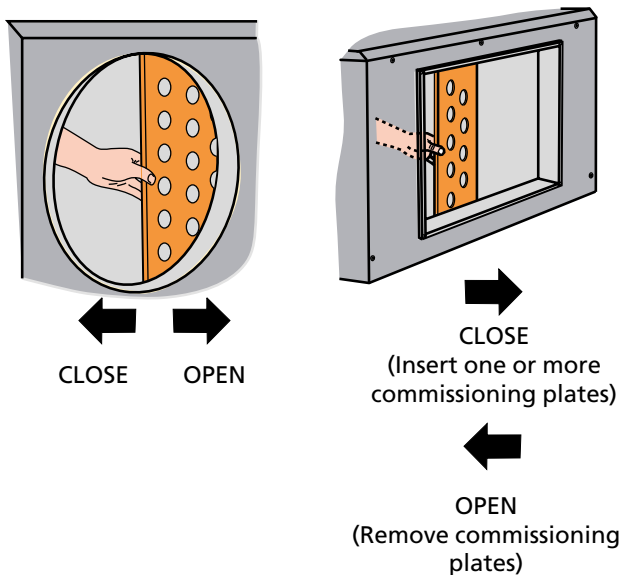
Applicable to air handling units with rotary heat exchanger only.

Commissioning plates

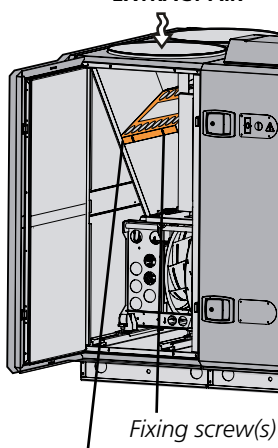
SILVER C RX

Air intake viewed from the side

Sizes 04 – 12, 1 – 2 plates Sizes 14 – 120, 1 – 5 plates

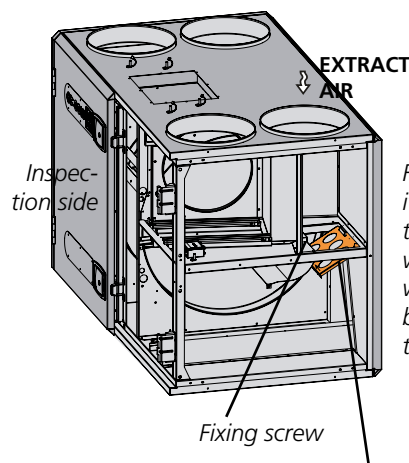


SILVER C RX Top Left-hand version Sizes 04-12, 1 plate EXTRACT AIR



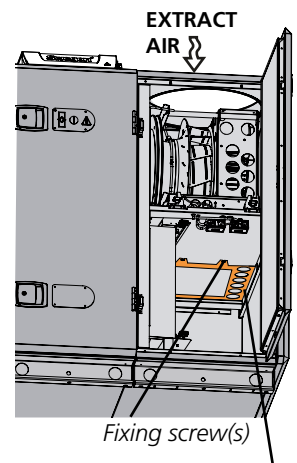
Adjustment plate

Right-hand version Sizes 04-08, 1 plate



Commissioning plate
Hook the commissioning plate in the rear edge of the unit to secure it in position. Unfold the commissioning plate at its front edge and lock the commissioning plate in position with the fixing screw.

Size 11/12, 1 plate



Adjustment plate

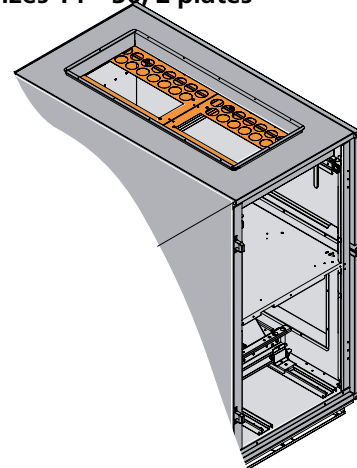
3.3.1 General

There should be a certain degree of negative pressure in the extract air section so that the direction of air leakage through the heat exchanger and the function of the purging sector will be correct. This ensures that extract air will not be transferred to the supply air.

The pressure balance in the unit should be adjusted when the ventilation system has been fully installed and the airflows discharged from all the air diffusers and registers have been adjusted, and when the supply air and extract airflows are as they should be while the air handling unit is operating normally.

Air intake viewed from above

Sizes 14 – 30, 2 plates



Secure the commissioning plates to the ceiling with self-tapping screws from inside the AHU.

Adjust the pressure balance by blanking off the holes in the commissioning plate using the plastic plugs supplied with it (reach up and insert plastic plug through the rectangular hole in the commissioning plate).

Two commissioning plates are supplied together with the SILVER C RX Top.

Which commissioning plate is to be mounted is determined by whether the air handling unit is a left-hand or right-hand version unit. Install the correct commissioning plate at the appropriate place inside the unit; scrap the other plate. See illustration above.

Remove the mounting screw(s) and place the commissioning plate in the grooves provided for accommodating it. Refit the mounting screw(s) and tighten it/them. See illustration above.

Adjust the pressure balance by blanking off the holes in the commissioning plate using the plastic plugs supplied with it.

3.3.2. Ensure correct direction of air leakage

The commissioning plates fitted in the extract air inlet are used for adjusting the pressure balance in the unit. The commissioning plates are supplied separately and should be installed by the fitter when the extract air duct is connected. See the illustrations on the following pages.

Connect a pressure gauge to the pressure measurement tappings of the air handling unit. The unit has four pressure measurement tappings. The two tappings closest to the extract air duct should be used. The blue pressure measurement tapping is used for measuring the negative pressure in the extract air section and the white pressure measurement tapping is used for measuring the negative pressure in the supply air section.

The pressure measurement tappings are located in the centre section inside the air handling unit. See illustration to the right.

Note that both pressure measurement tappings are used for measuring negative pressure.

MEASURED VALUES

The negative pressure in the extract air section should be higher or the same as the negative pressure in the supply air section.

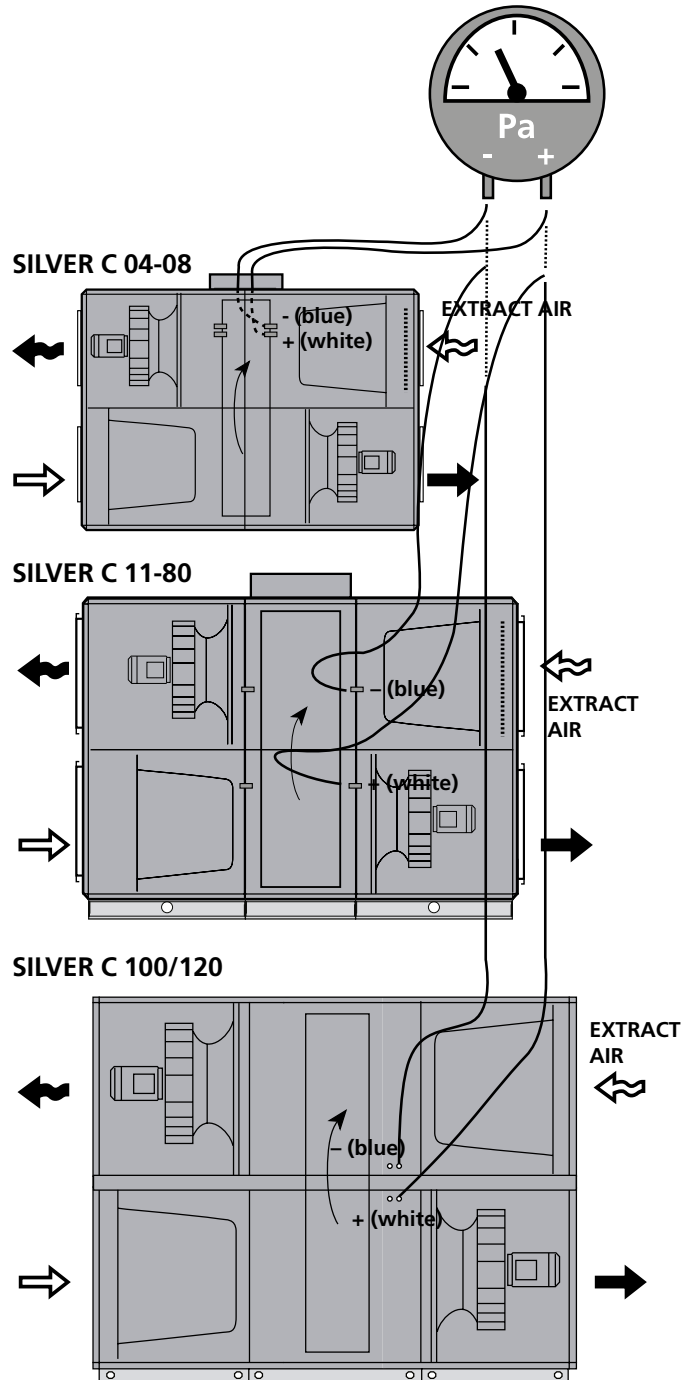
If the negative pressure in the extract air section is the same or up to 20 Pa greater than the negative pressure in the supply air section, when you've finished this adjustment.

Deviations

If the negative pressure in the extract air section is less than that in the supply air section, the damper setting must be adjusted as follows:

1. Stop the air handling unit, open the inspection door to access the extract air filter.
SILVER C RX Top/SILVER C RX with air intake from above: Blank off the appropriate number of holes in the commissioning plate using the plastic plugs supplied.
SILVER C RX with air intake from the side: Slightly push the commissioning plates forward (close them) in the extract air intake.
For full face connection (duct accessory in insulated casing): If the commissioning plate(s) is/are completely closed and the sub-atmospheric pressure in the extract air section is still less than in the supply air section, blank off an appropriate number of holes in the commissioning plate using the plastic plugs supplied.
3. Close the inspection door and restart the unit.
4. Measure the pressures.
Repeat this procedure until the negative pressure in the extract air section is just as high or up to 20 Pa higher than the negative pressure in the supply air section (0–20 Pa).

Pressure measurement tappings – leakage direction (Unit shown in the right-hand version)



5. If the negative pressure in the extract air section is higher than 20 Pa compared with the supply air section, although the commissioning plates are completely open, the leakage and purging air flow will be more than necessary, and this will cause the extract air fan to consume more power

4. Maintenance



Warning

Before carrying out any work, make sure that the power supply to the air handling unit has been switched off.

4.1 Filter change

Filters made of glass fibre should be replaced, and possible woven aluminium pre-filters should be washed. When this should take place can be calculated based on the initial pressure drop. See Section 4.1.3. Swegon recommends replacing/washing filters when the pressure drop across the filter exceeds the initial pressure drop + 100 Pa.

Order new filters from Swegon or your nearest Swegon representative. Specify the size of the SILVER C unit, whether the replacement concerns one or two directions of airflow and if you are replacing standard filters or possibly pre-filters.

4.1.1 Dismantling the filters

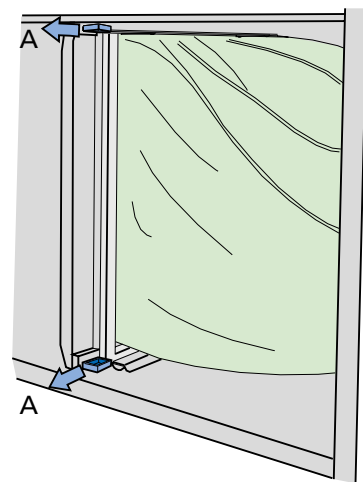
It is advisable to clean inside the filter space while the filters are removed.

Standard filters:

Pull out the handles (A) to free the filters from the filter holder. Withdraw the filters.

Pre-filters, if required, in the AHU:

Withdraw the filters.



4.1.2 Installing new filters

Standard filters:

Insert the filters into the filter holder. At the same time, stretch the filter bags, so that they will not become caught, damaged or folded.

Insert the filters as far as possible into the unit and press them lightly against the filter frames, so that they fit tightly.

Push in the handles (A) to clamp the filters in position in the filter holder.

Close the inspection doors.

Pre-filters, if required, in the AHU:

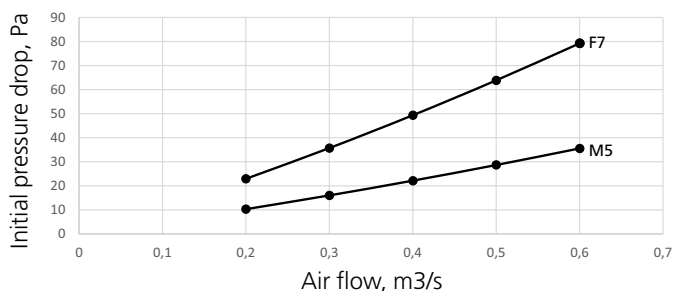
Insert the filters as far as possible into the unit and press them lightly against the filter frames, so that they fit tightly.

4.1.3 Initial pressure drop, filters

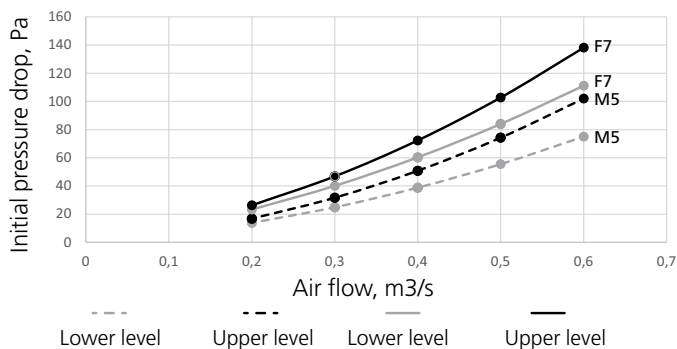
Size 04/05

Standard filter

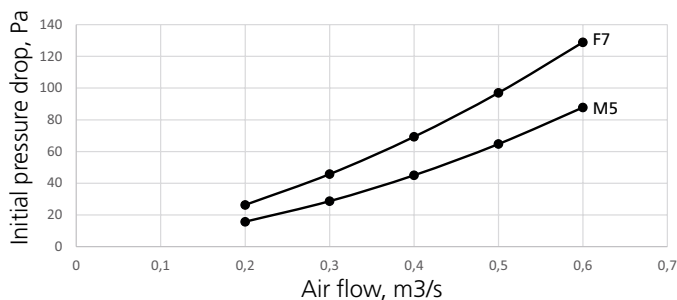
SILVER C RX/PX



SILVER C RX Top

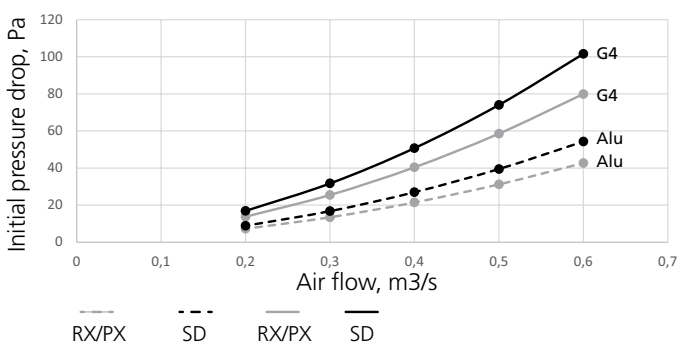


SILVER C SD



Pre-filters

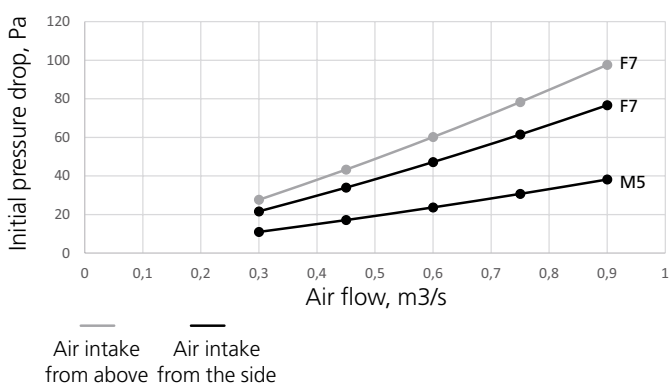
SILVER C RX/PX/SD



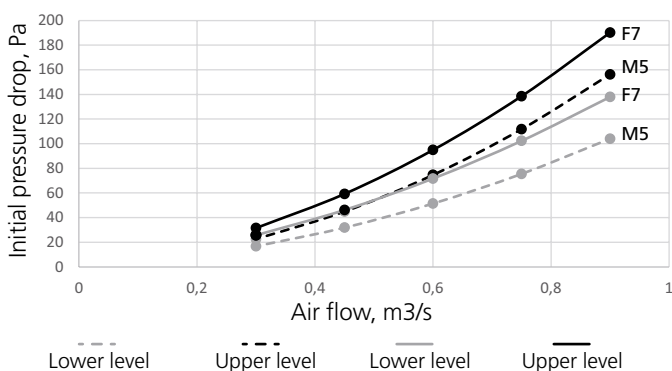
Size 07/08

Standard filter

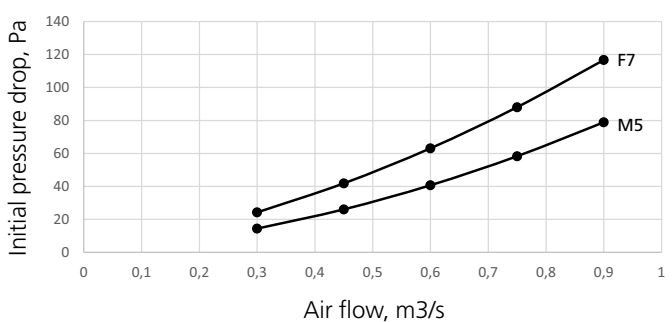
SILVER C RX/PX



SILVER C RX Top

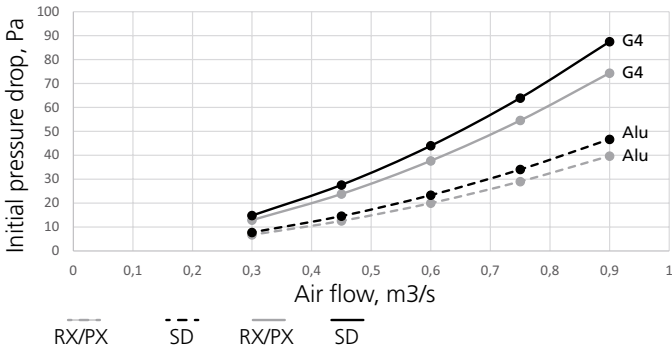


SILVER C SD



Pre-filters

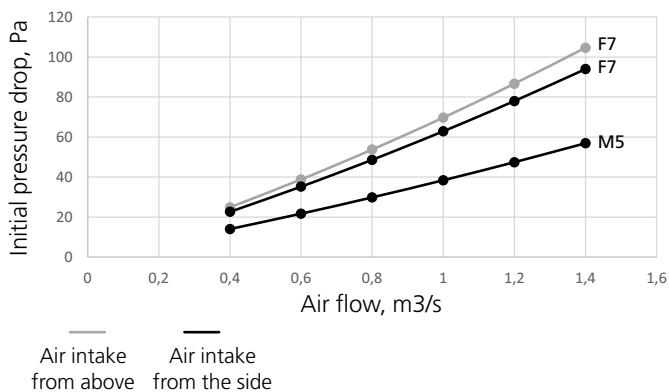
SILVER C RX/PX/SD



Size 11/12

Standard filter

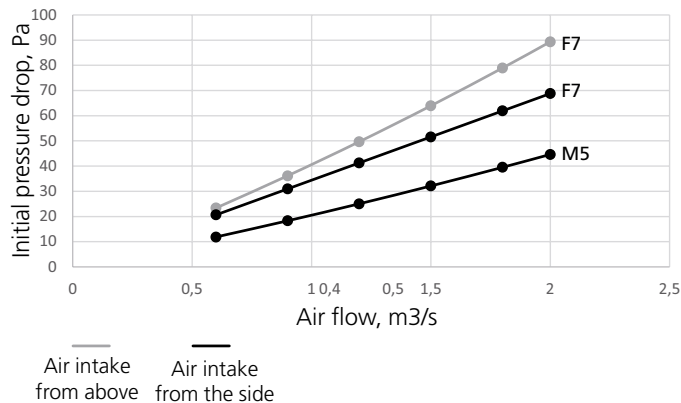
SILVER C RX/PX



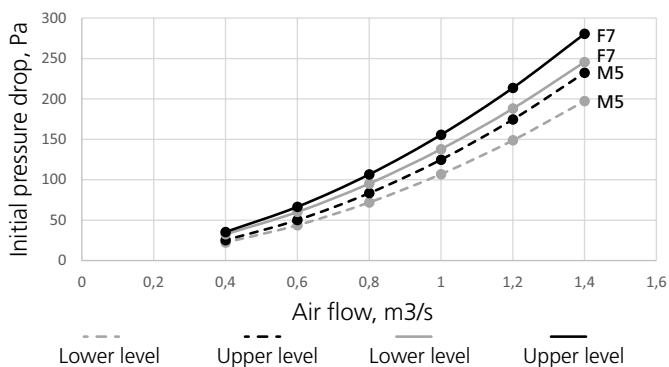
Size 14/20

Standard filter

SILVER C RX/PX/SD

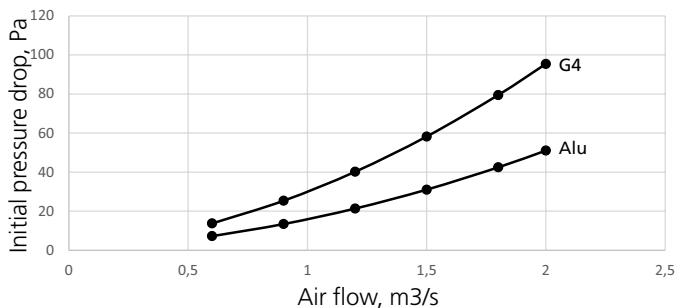


SILVER C RX Top

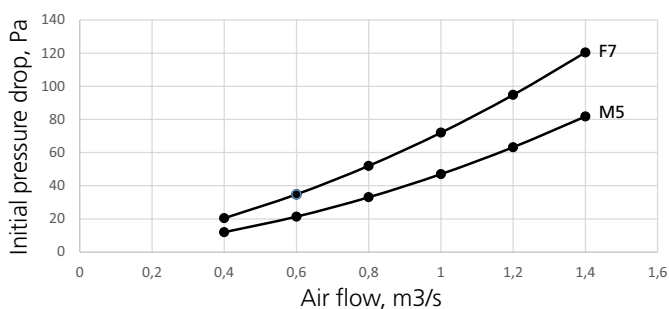


Pre-filters

SILVER C RX/PX/SD

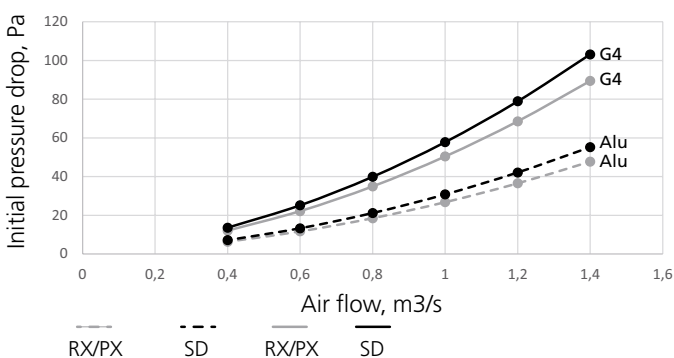


SILVER C SD



Pre-filters

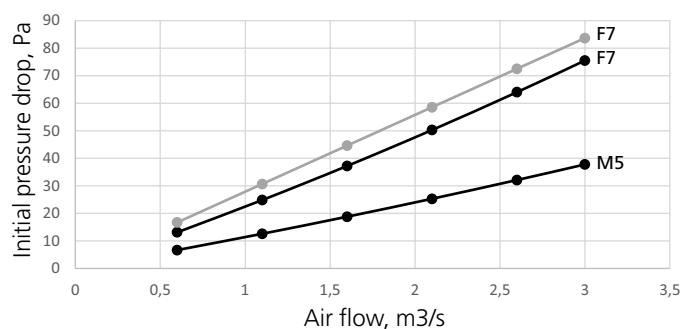
SILVER C RX/PX/SD



Size 25/30

Standard filter

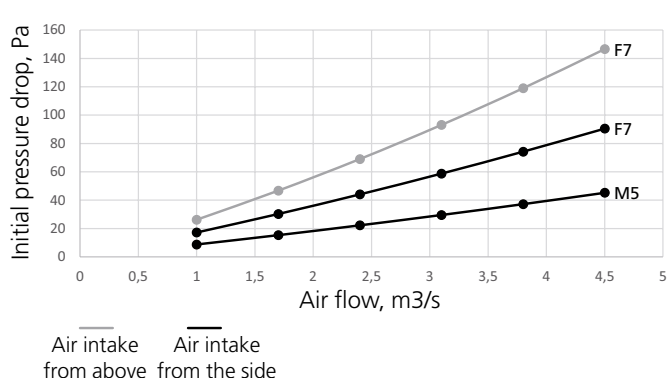
SILVER C RX/PX



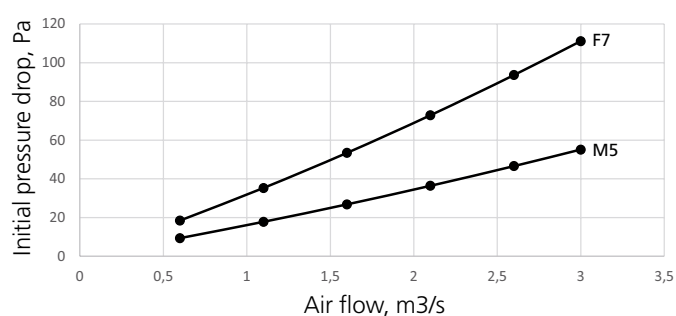
Size 35/40

Standard filter

SILVER C RX/CX/SD

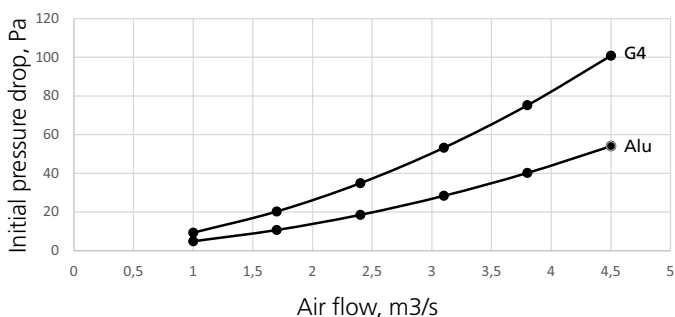


SILVER C SD



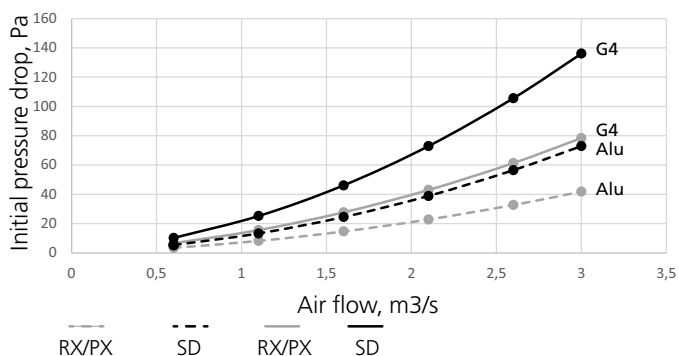
Pre-filters

SILVER C RX/CX/SD



Pre-filters

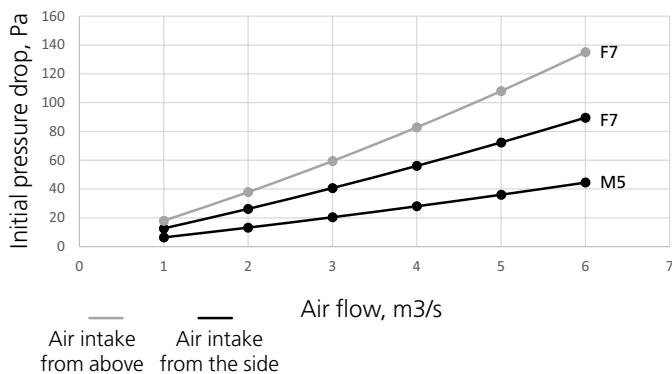
SILVER C RX/PX/SD



Size 50/60

Standard filter

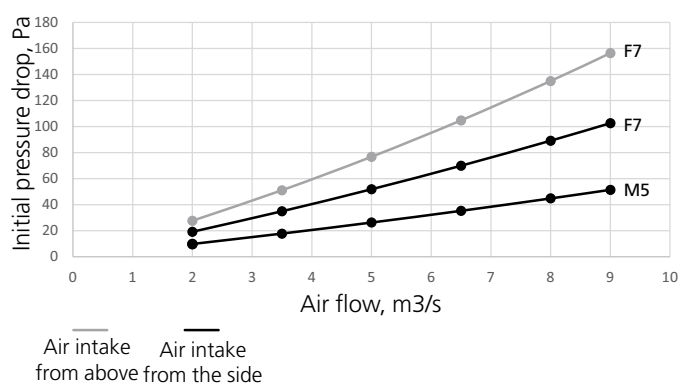
SILVER C RX/CX



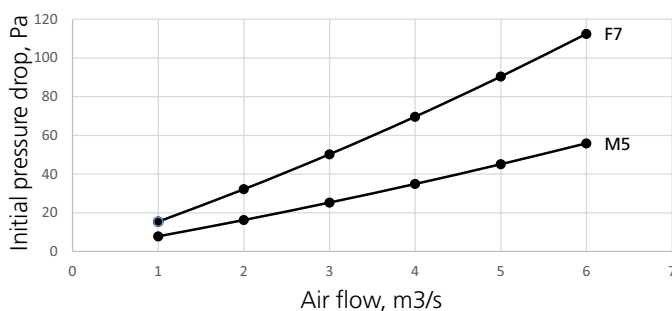
Size 70/80

Standard filter

SILVER C RX/CX/SD

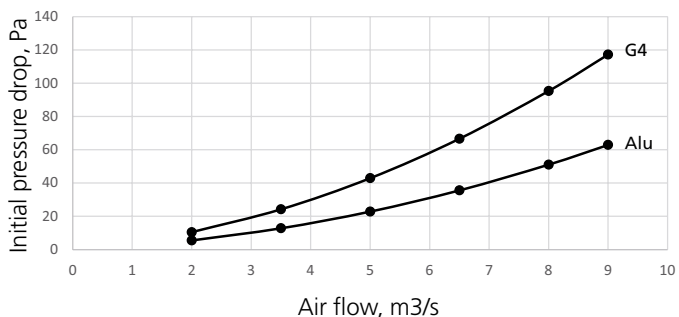


SILVER C SD



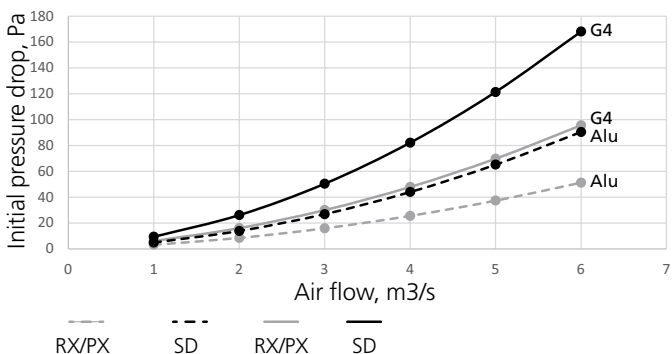
Pre-filters

SILVER C RX/CX/SD



Pre-filters

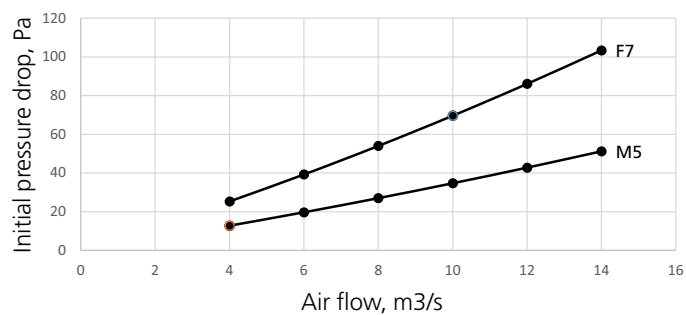
SILVER C RX/CX/SD



Size 100/120

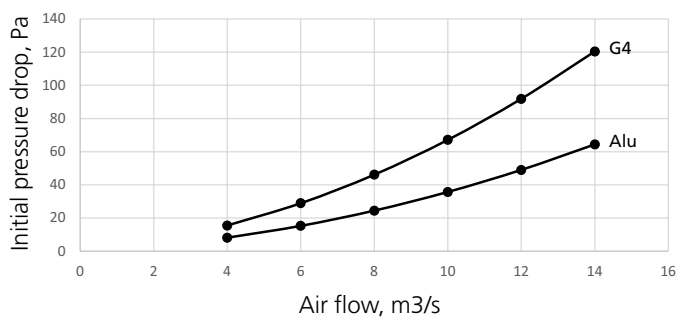
Standard filter

SILVER C RX/CX/SD



Pre-filters

SILVER C RX/CX/SD



4.2 Cleaning and Inspection

4.2.1 General

Access for cleaning must be ensured when planning and during the installation of the air handling unit. This can, for example, include the set-up of the unit, and pipe and cable routing.

Clean the interior of the air handling unit if needed. Inspection of the air handling unit should be performed when you change filters or at least twice a year.

4.2.2 Filter spaces

The most appropriate time to clean the unit is when you change the filters.

4.2.3 Heat exchangers

Check at least twice a year whether cleaning is necessary. Cleaning can be done from the filter space.

Rotary heat exchanger

The heat exchanger should above all be cleaned by vacuum cleaning with a soft nozzle to prevent damage to the air passages in the rotor.

Turn the rotor by hand to reach all surfaces. If the heat exchanger is substantially fouled, its surfaces can be blown clean with compressed air.

If needed, the heat exchanger can be withdrawn from the unit casing and washed with degreasing solvent. Only service personnel trained by Swegon shall be permitted to wash it in this way.

Vinyl-coated fabric seal

Lift up the fabric seal and inspect its underside. Clean if needed by brushing or vacuum cleaning.

If the vinyl-coated fabric seal is worn or substantially fouled, it should be replaced. Do not lubricate it!

Drive belt tension

Replace the drive belt if it feels loose or worn and slightly slips if it meets resistance. Contact service personnel trained by Swegon.

Plate heat exchanger

Always clean against the regular direction of airflow.

Cleaning must only be done by blowing with compressed air, vacuum cleaning with a soft nozzle or wet cleaning with water and/or solvent. Before you begin cleaning, cover adjacent functional sections to protect them.

If cleaning solvent is used, do not use solvent that will corrode aluminium or copper. Swegon's cleaning agent is recommended. This cleaning agent is sold by Swegon Service.

Inspect the drain to make sure that it isn't clogged. The by-pass and shut-off dampers do not require maintenance.

Coil heat exchangers

Make sure that the coils are purged of air. If a droplet eliminator is fitted, remove it and flush it clean with water.

Always clean against the regular direction of airflow.

Cleaning must only be done by blowing with compressed air, vacuum cleaning with a soft nozzle or wet cleaning with water and/or solvent. Before you begin cleaning, cover adjacent functional sections to protect them.

If cleaning solvent is used, do not use solvent that will corrode aluminium or copper. Swegon's cleaning agent is recommended. This cleaning agent is sold by Swegon Service.

While cleaning, check whether venting is necessary, check the content of glycol in the water and the condition of the coil for leakage. Also check that the drain is not clogged.

4.2.4 Fans and fan spaces

Inspect and, if needed, clean the fan impellers to remove dirt deposits.

Check the impeller to make sure that it is not out of balance.

Vacuum clean the fan motor or brush its surfaces. It can also be cleaned by carefully wiping it with a damp cloth and dishwashing detergent.

Clean the fan space, if needed.

4.3 General inspection

A general inspection should be performed whenever you change filters or at least once a year.

Parts subject to wear such as fan bearings, seals, drive belts, etc. should be checked and be replaced if necessary.

5. Measurement of the airflow

5.1 To connect manometers

If a U-tube manometer or a Magnehelic manometer has been supplied by Swegon, see separate instructions.

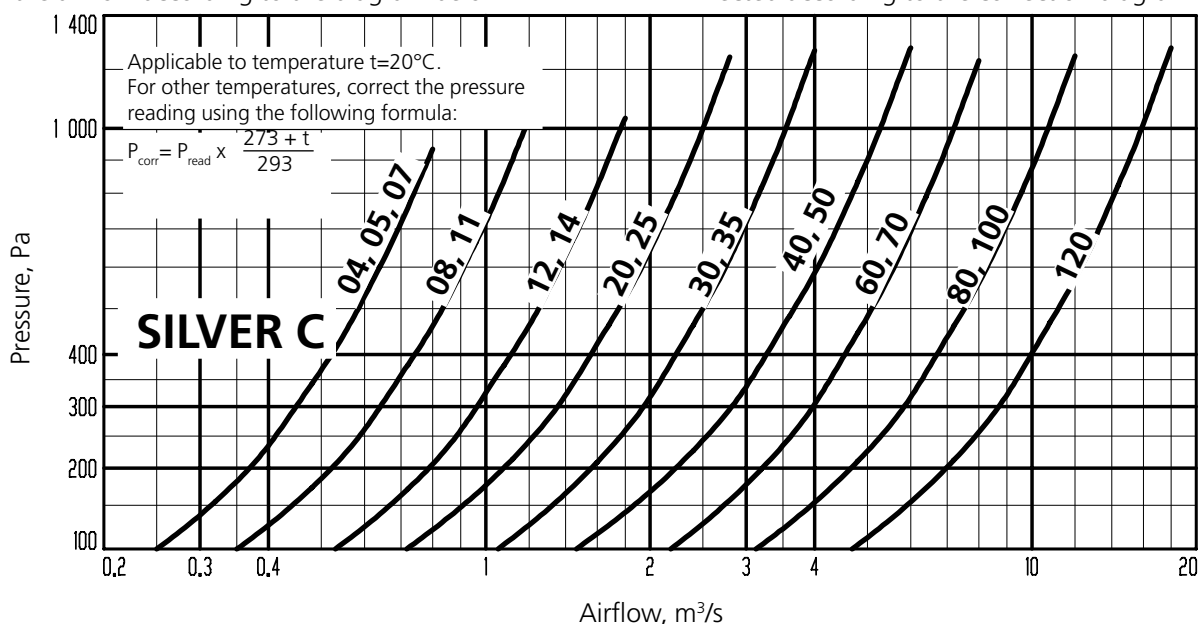
If no manometer has been supplied by Swegon:

The hoses supplied (blue (-) and white (+) lying inside the fan space) are, from the factory, connected to the measurement points of the fan. The installation of nipples (measurement tapings) on the inspection door of the air handling unit and the further running of hoses to a manometer must be done at site (not Swegon).

5.2 Auxiliary diagram for measuring airflows

The pressure reading on the manometer corresponds to the airflow according to the diagram below.

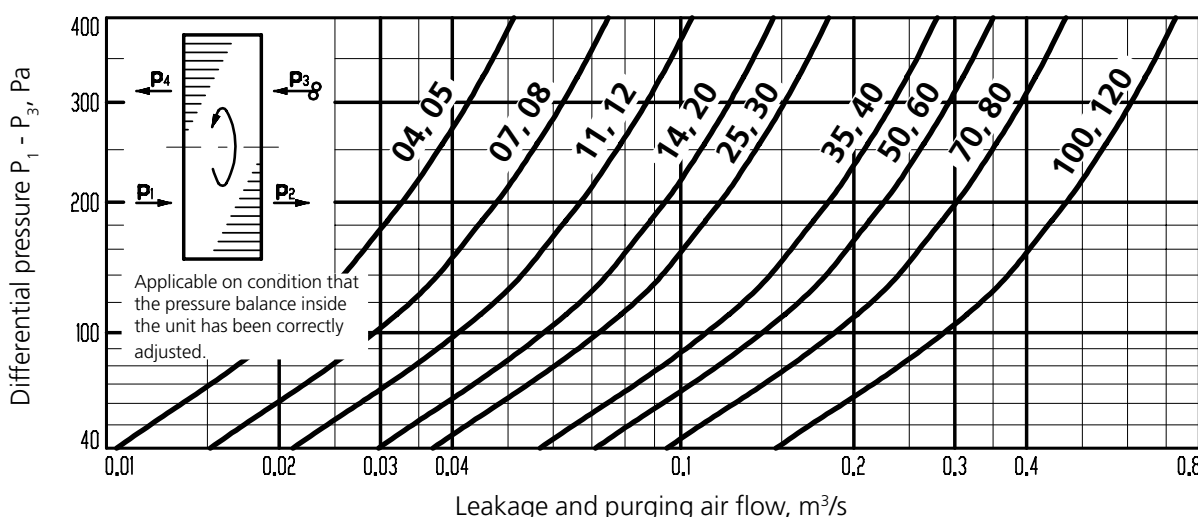
For rotary heat exchangers, the airflow should also be corrected according to the correction diagram.



Correction diagram for rotary heat exchangers

If a rotary heat exchanger is located between the fan that has generated the airflow according to the above, and the point at which it is desirable to calculate the airflow, then the flow must be corrected according to diagram below.

The leakage and purging airflow go from higher to lower pressure. The pressure on the supply air side is normally higher, which means that the outdoor airflow is the supply air fan's airflow plus the leakage and purging airflow, and the extract airflow is the extract air fan's airflow minus the leakage and purging airflow.



5.2.1 Calculation of temperature-compensated airflows

$$\Delta p_c = \Delta p \times \frac{273 + t_a}{293}$$

Δp_c = corrected flow measurement pressure in Pa

Δp = measured flow measurement pressure in Pa

t_a = the air temperature at the fan inlet in °C

$$q = \sqrt{\frac{\Delta p_c}{c_1} + c_2} - \sqrt{c_2}$$

q = the calculated airflow, [m³/s]

c_1, c_2 = constants that depend on fan size, see table below.

5.2.2 Calculation of flow measurement pressure

$$\Delta p = (c_1 \times q + c_3) \times q$$

Δp = calculated flow measurement pressure in Pa

q = airflow at fan inlet in m³/s

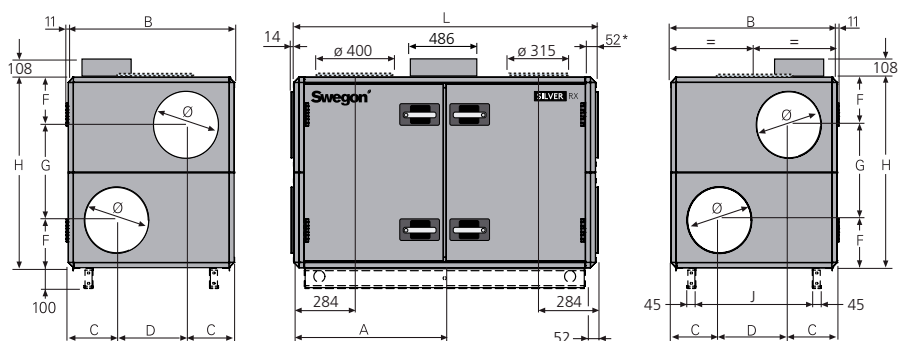
c_1, c_3 = constants that depend on fan size, see table below.

Size	Min. air flow, m³/s	SILVER C RX/PX/CX		SILVER C SD		c1	c2	c3
		Max. air-flow, m³/s	Max. pressure reading, Pa	Max. air-flow, m³/s	Max. pressure reading, Pa			
04	0,08	0,45	301	0,6	529	1421,9	0,0001	28,4
05	0,08	0,65	619	0,8	933	1421,9	0,0001	28,4
07	0,08	0,75	821	0,8	933	1421,9	0,0001	28,4
08	0,20	1,0	719	1,2	1028	690	0,00043	28,74
11	0,20	1,1	867	1,2	1028	690	0,00043	28,74
12	0,20	1,4	630	1,8	1034	311,75	0,00045	13,21
14	0,20	1,65	871	1,8	1034	311,75	0,00045	13,21
20	0,30	2,1	712	2,8	1245	151	0,00525	21,89
25	0,30	2,5	998	2,8	1245	151	0,00525	21,89
30	0,50	3,2	816	4	1269	77,688	0,00174	6,48
35	0,50	3,9	1207	4	1269	77,688	0,00174	6,48
40/50	0,75	5,0	901	6	1279	32,942	0,05509	15,464
60	1,00	6,5	814	8	1232	19,11	0,00078	1,07
70	1,00	7,5	1083	8	1232	19,11	0,00078	1,07
80	1,50	9,5	790	12	1250	8,378	0,04642	3,61
100	1.5	11	1053	12	1250	8,378	0,04642	3,61
120	2.5	14	779	18	1279	3,848	0,05349	1,78

6. Technical data

6.1 Dimensions, SILVER C RX one-piece air handling units with rotary heat exchanger

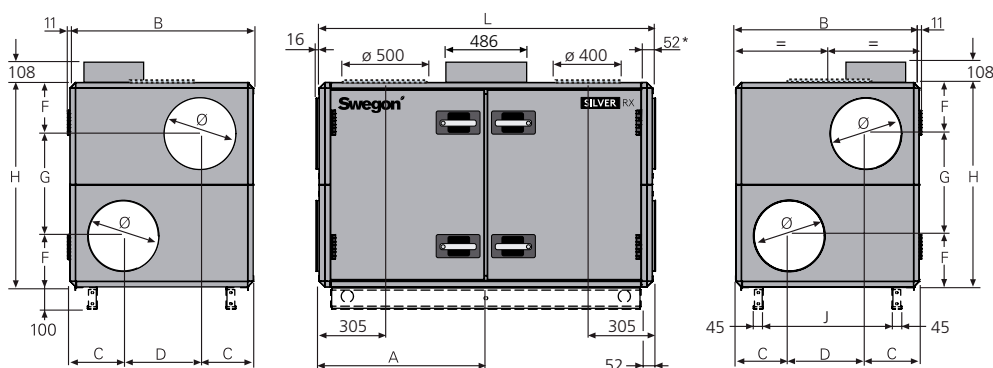
SILVER C 04/05, common casing



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Base beams are optional.

SILVER C 07/08, common casing

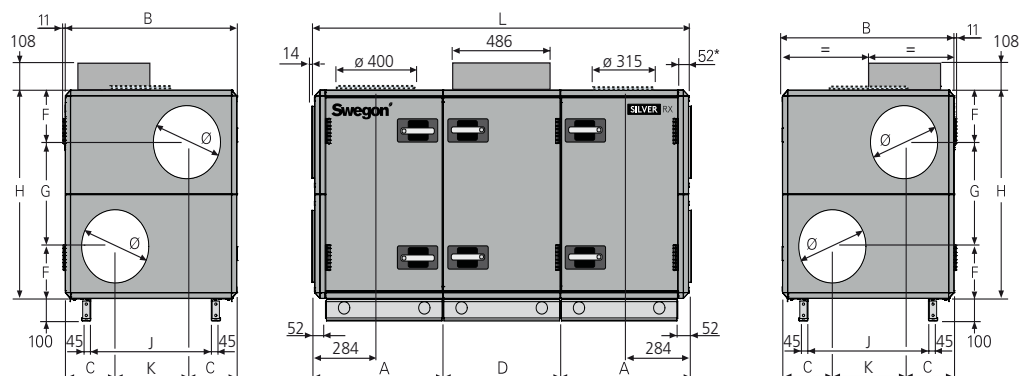


* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Base beams are optional.

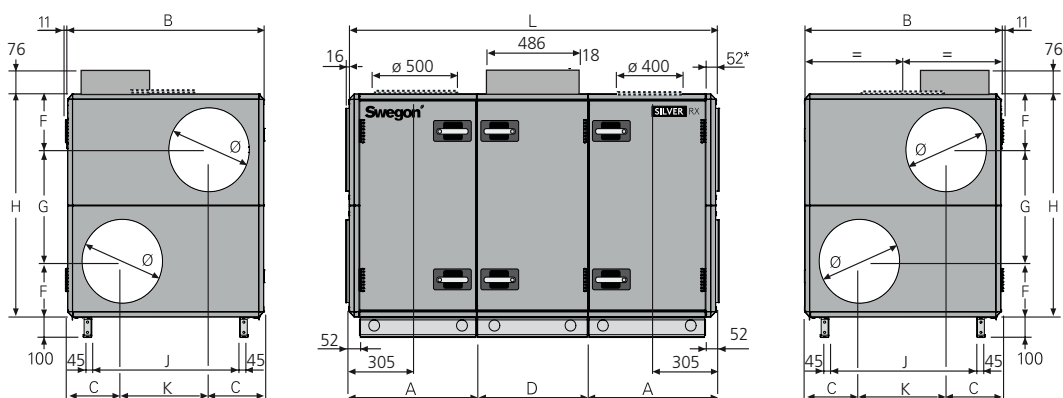
Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
04/05	743	825	240	345	230	460	920	579	1499	315	234-271
07	805	995	277,5	440	271	543	1085	749	1619	400	282-343
08	805	995	277,5	440	271	543	1085	749	1619	400	296-351

SILVER C 04/05, split version



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

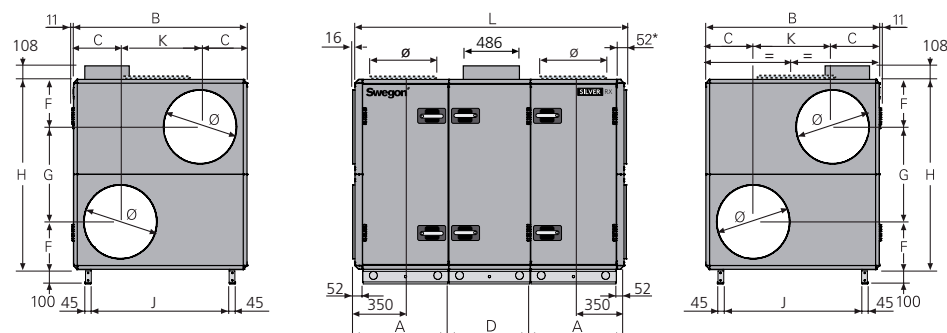
SILVER C 07/08, split version



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
004/005	617	825	240	565	230	460	920	579	345	1799	315	278-328
007	647,5	995	277,5	565	271	543	1085	749	440	1860	400	328-400
008	647,5	995	277,5	565	271	543	1085	749	440	1860	400	342-408

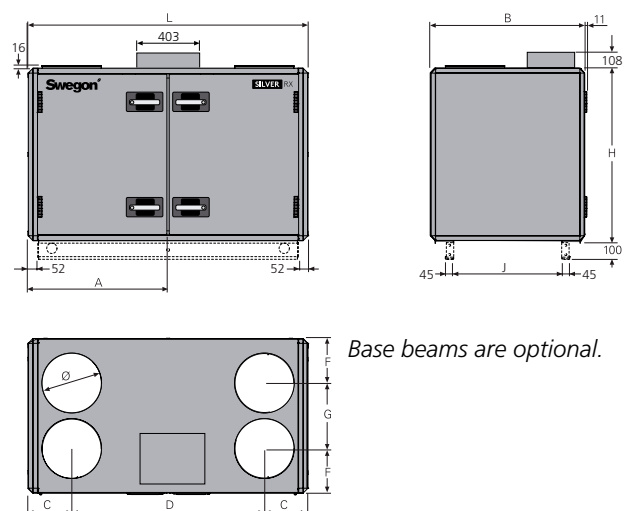
SILVER C 11/12



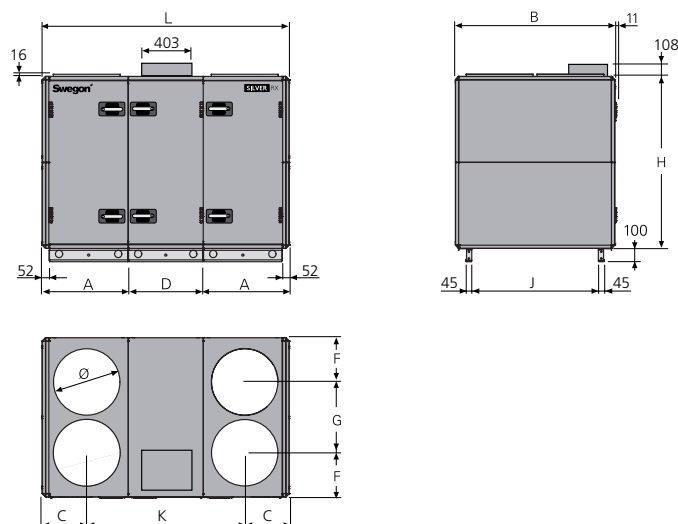
* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
11	647	1199	324	565	324	647	1295	953	551	1859	500	428-510
12	647	1199	324	565	324	647	1295	953	551	1859	500	451-537

SILVER C RX Top 04/05, 07/08

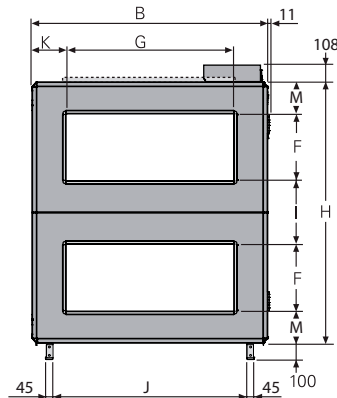
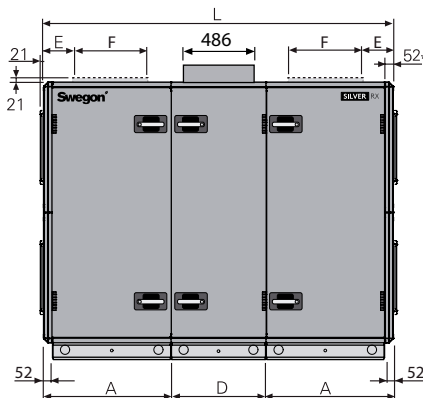


SILVER C RX Top 11/12



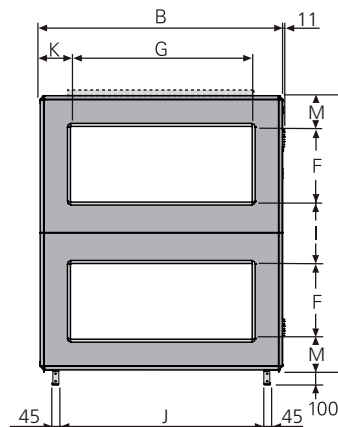
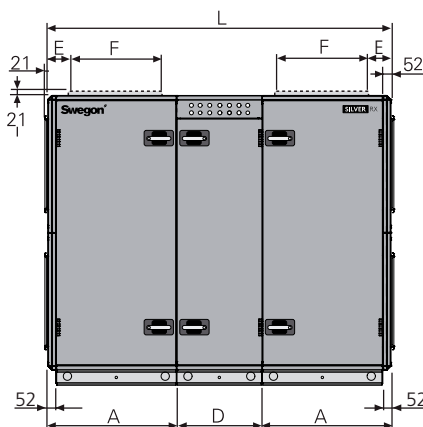
Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
Top 04/05	743	825	233,5	1033	237,5	350	920	579	—	1499	315	269
Top 07	805	995	285,5	1048	280	435	1085	749	—	1619	400	312
Top 08	805	995	285,5	1048	280	435	1085	749	—	1619	400	326
Top 11	647	1199	335	565	333	533	1295	953	1189	1859	500	479
Top 12	647	1199	335	565	333	533	1295	953	1189	1859	500	501

SILVER C 14/20



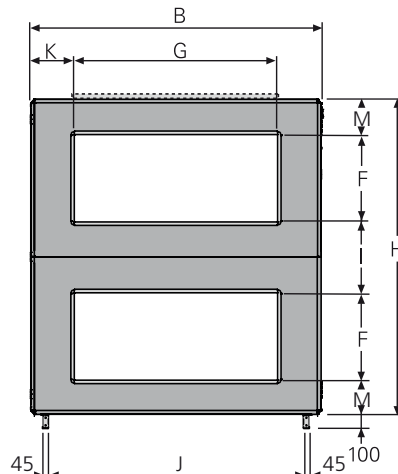
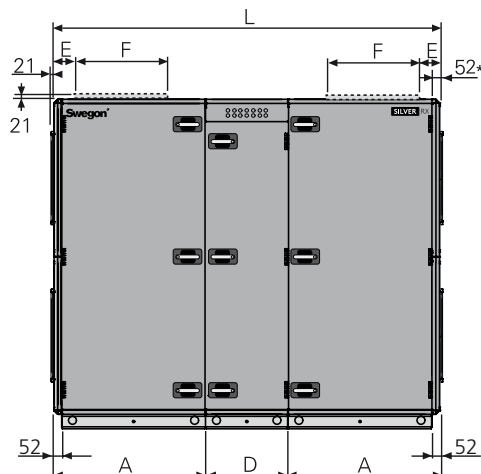
* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

SILVER C 25/30



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

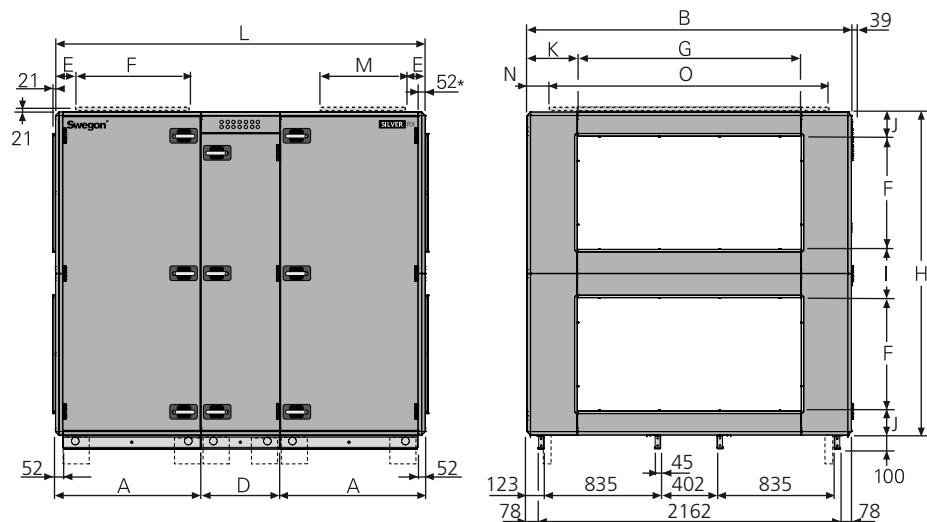
SILVER C 35/40



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

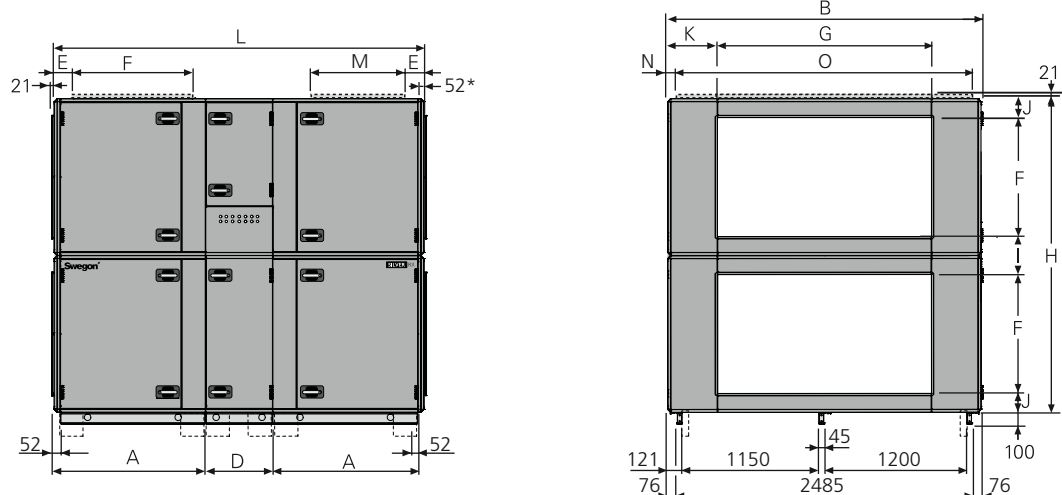
Size	A	B	D	E	F	G	H	I	J	K	L	M	Weight, kg
14	757,5	1400	565	205	400	1000	1551	375	1154	200	2080	188	573-681
20	757,5	1400	565	205	400	1000	1551	375	1154	200	2080	188	593-721
25	848	1600	565	200	500	1200	1811	405	1354	200	2261	203	746-914
30	848	1600	565	200	500	1200	1811	405	1354	200	2261	203	798-938
35	1038,5	1990	565	245	600	1400	2159	479	1744	295	2642	240	1099-1309
40	1038,5	1990	565	245	600	1400	2159	479	1744	295	2642	240	1125-1353

SILVER C 50/60



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

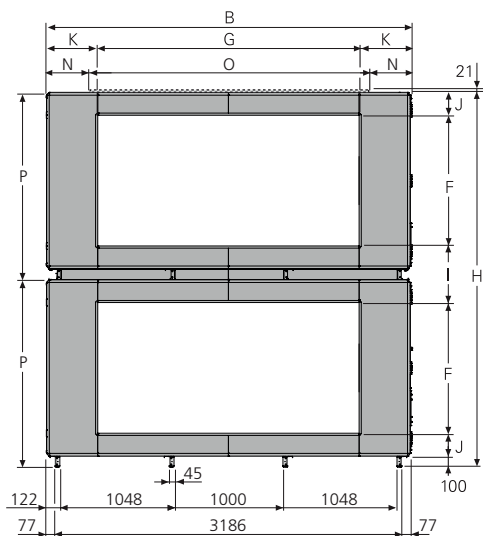
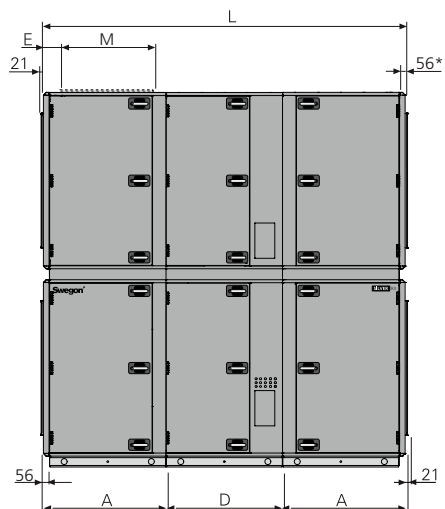
SILVER C 70/80



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
50	1038,5	2318	565	145	800	1600	2288	344	172	359	2642	600	159	2000	1302-1569
60	1038,5	2318	565	145	800	1600	2288	344	172	359	2642	600	159	2000	1436-1685
70	1273,5	2637	565	162	1000	1800	2640	320	160	418,5	3112	750	118,5	2400	2219-2485
80	1273,5	2637	565	162	1000	1800	2640	320	160	418,5	3112	750	118,5	2400	2273-2575

SILVER C 100/120

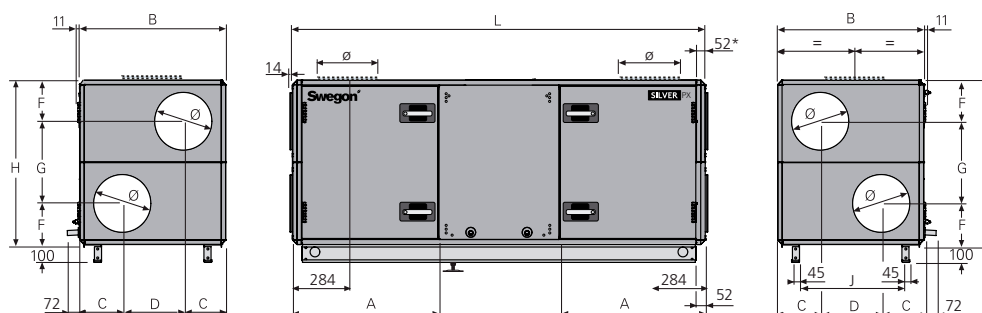


* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Weight, kg
100	1126	3340	1070	191	1200	2400	3440	520	210	470	3322	800	420	2500	1720	3333-3761
120	1126	3340	1070	191	1200	2400	3440	520	210	470	3322	800	420	2500	1720	3533-3979

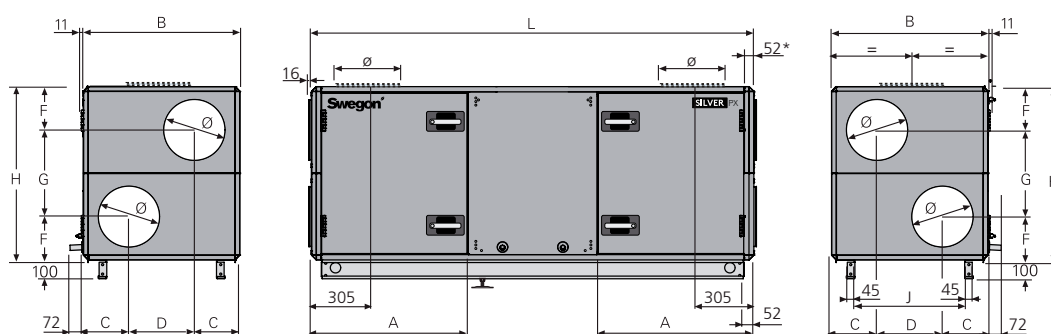
6.2 Dimensions, SILVER C PX one-piece air handling units with plate heat exchanger

SILVER C 04/05, common casing



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

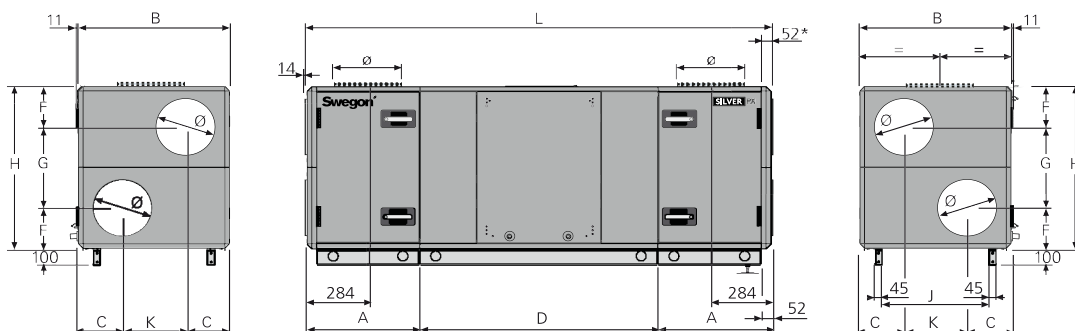
SILVER C 07/08, common casing



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

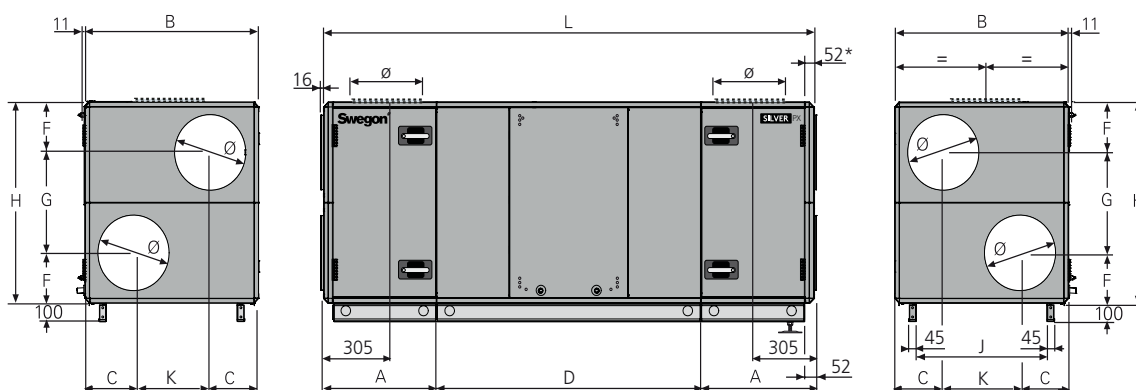
Size	A	B	C	D	F	G	H	J	L	\varnothing	Weight, kg
04/05	822	825	240	345	230	460	920	579	2333	315	349-387
07	911,5	995	277,5	440	271	543	1085	749	2503	400	435-492
08	911,5	995	277,5	440	271	543	1085	749	2503	400	449-506

SILVER C 04/05, split version



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

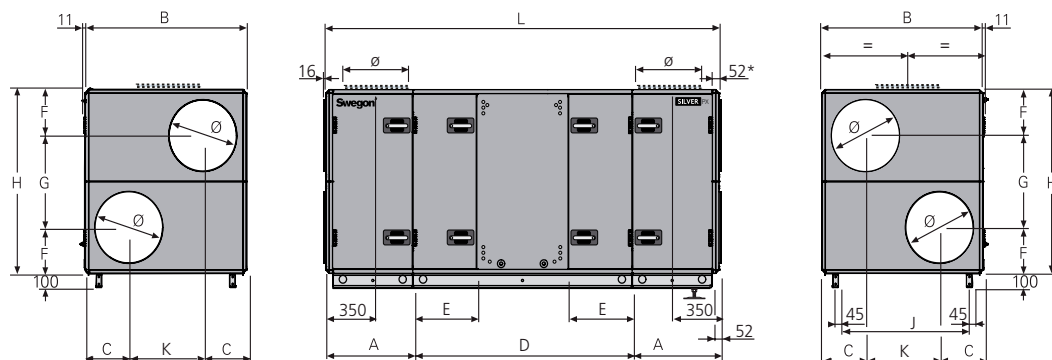
SILVER C 07/08, split version



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
004/005	617	825	240	1300	230	460	920	579	345	2534	315	438-490
007	647	995	277,5	1517	271	543	1085	749	440	2811	400	547-623
008	647	995	277,5	1517	271	543	1085	749	440	2811	400	561-631

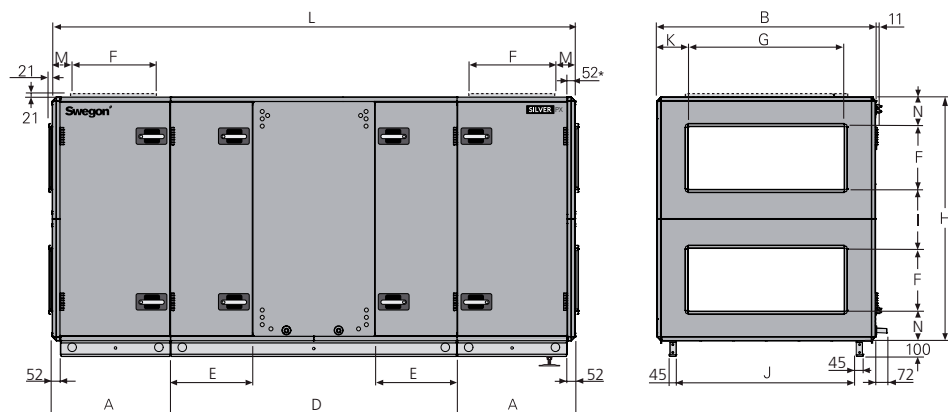
SILVER C 11/12



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

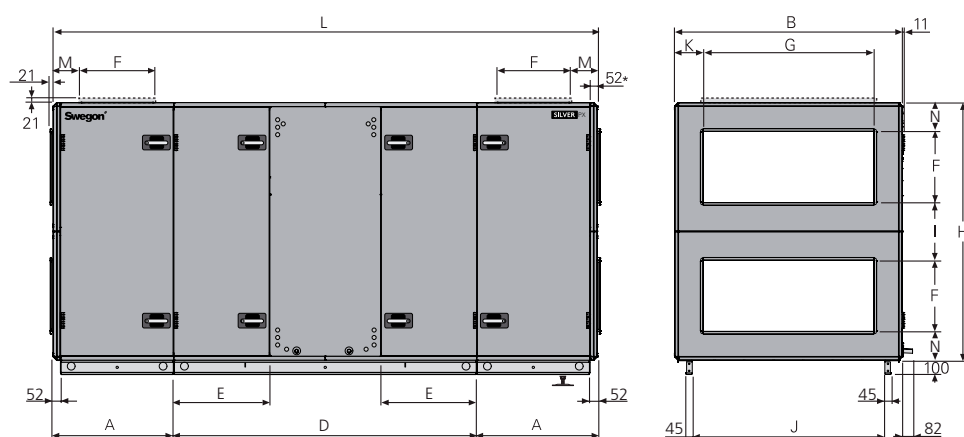
Size	A	B	C	D	E	F	G	H	J	K	L	Ø	Weight, kg
11	647	1199	324	1631	471	324	647	1295	953	551	2925	500	714-804
12	647	1199	324	1631	471	324	647	1295	953	551	2925	500	736-832

SILVER C 14/20



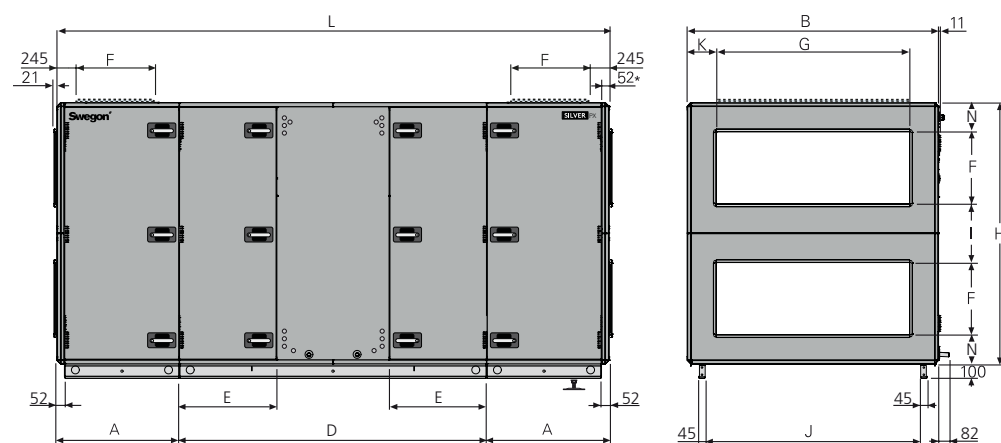
* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

SILVER C 25/30



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

SILVER C 35/40

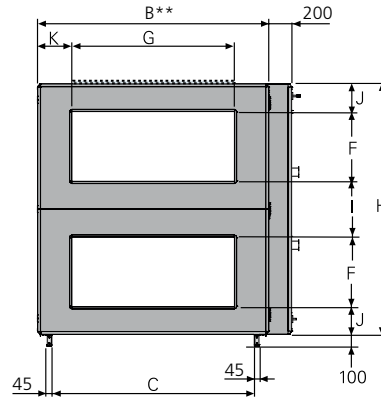
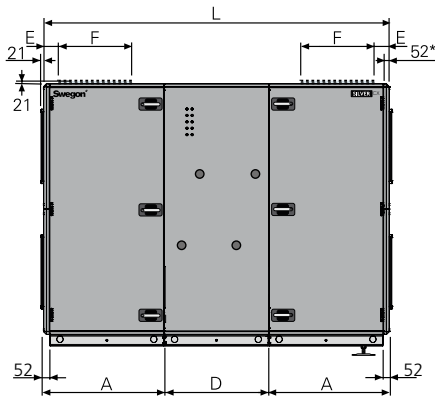


* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	Weight, kg
14	757,5	1400	1836	528	400	1000	1551	375	1154	200	3351	205	188	929-1049
20	757,5	1400	1836	528	400	1000	1551	375	1154	200	3351	205	188	949-1089
25	847,5	1600	2130	675	500	1200	1811	405	1354	200	3825	200	203	1235-1427
30	847,5	1600	2130	675	500	1200	1811	405	1354	200	3825	200	203	1287-1451
35	1038,5	1990	2400	806	600	1400	2159	479	1744	295	4477	-	240	1792-2038
40	1038,5	1990	2400	806	600	1400	2159	479	1744	295	4477	-	240	1818-2082

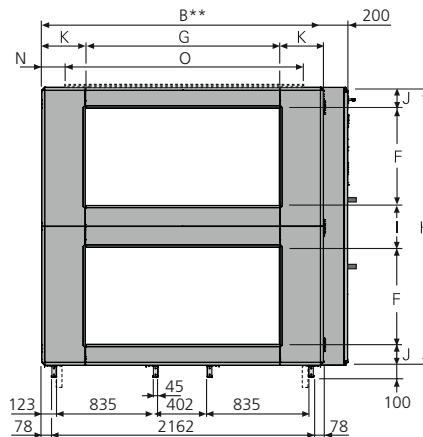
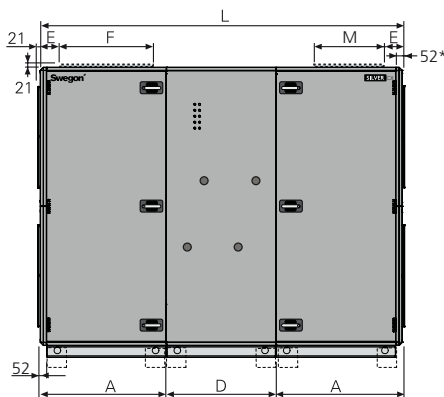
6.3 Dimensions, SILVER C CX one-piece air handling units with coil heat exchangers

SILVER C 35/40



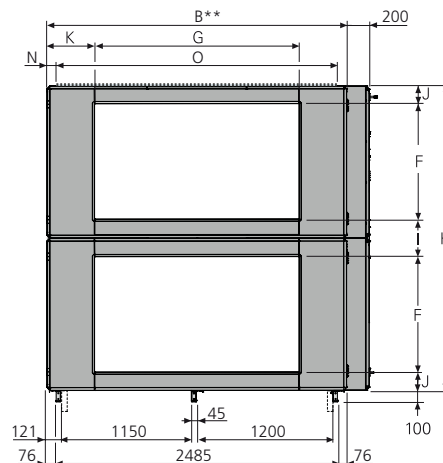
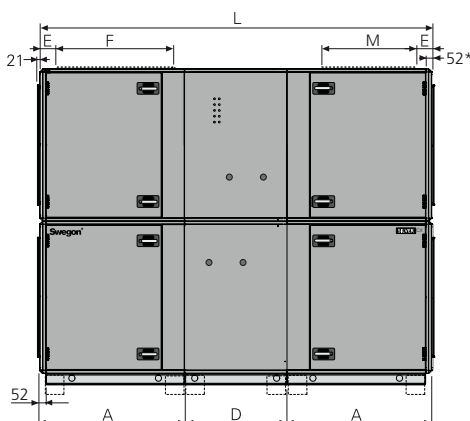
* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

SILVER C 50/60



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

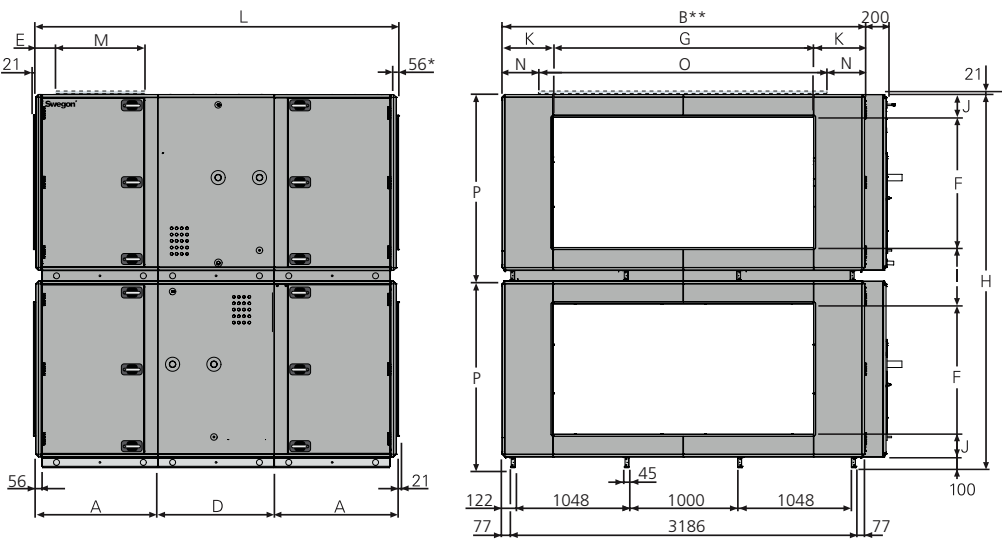
SILVER C 70/80



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
35	1038,5	1990	1744	900	245	600	1400	2159	479	240	295	2977	-	-	-	1645-1855
40	1038,5	1990	1744	900	245	600	1400	2159	479	240	295	2977	-	-	-	1671-1899
50	1038,5	2318	-	900	145	800	1600	2288	344	172	359	2977	600	159	2000	1971-2227
60	1038,5	2318	-	900	145	800	1600	2288	344	172	359	2977	600	159	2000	2105-2343
70	1273,5	2637	-	900	162	1000	1800	2640	320	160	418,5	3447	750	118,5	2400	2989-3239
80	1273,5	2637	-	900	162	1000	1800	2640	320	160	418,5	3447	750	118,5	2400	3043-3329

SILVER C 100/120

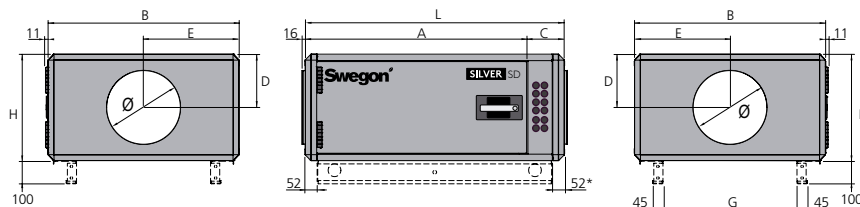


* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Weight, kg
100	1126	3340	1070	190	1200	2400	3440	520	210	470	3322	800	420	2500	1720	4294-4772
120	1126	3340	1070	190	1200	2400	3440	520	210	470	3322	800	420	2500	1720	4494-4990

6.4 Dimensions, separate SILVER C SD supply air and extract air handling units

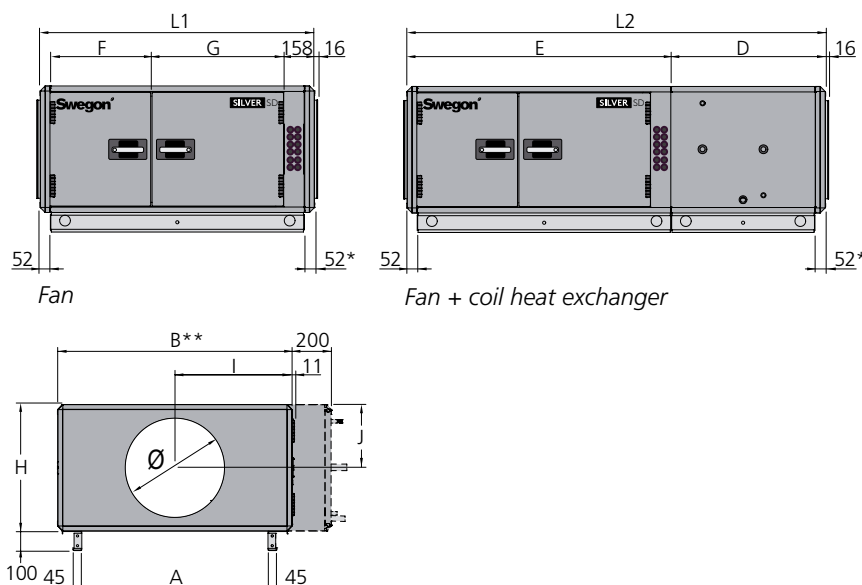
SILVER C 04/05, 07/08



* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory). Base beams are optional.

Size	L	B	H	A	C	D	E	G	Ø	Weight, kg
04/05	1120	825	460	956	163	230	412,5	579	315	97-118
07	1214	995	542,5	1051	163	271	497,5	749	400	115-145
08	1214	995	542,5	1051	163	271	497,5	749	400	122-149

SILVER C 11/12



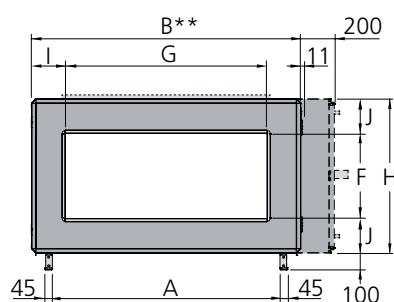
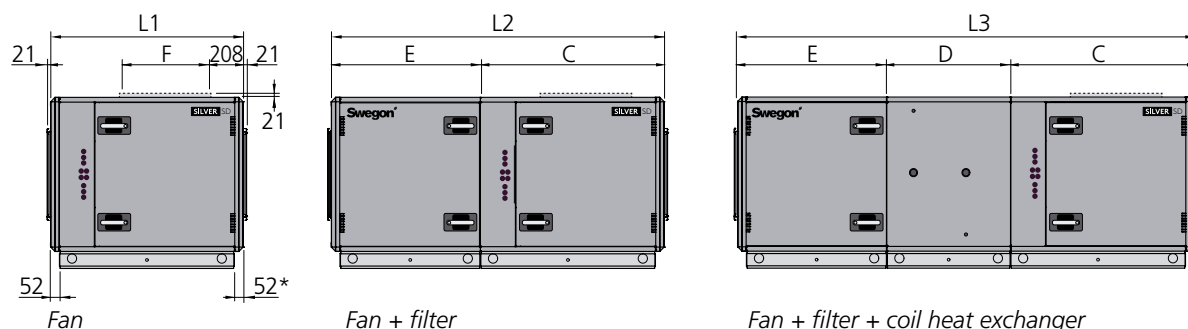
* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

** Width of coil heat exchanger (if required) = B + 200 mm.

Size	Weight, kg fan+filter	Weight, kg fan + filter + coil
11	164-203	348-393
12	175-217	359-407

Size	L1	L2	B	H	A	D	E	F	G	I	J	Ø
11/12	1404	2239	1199	647,5	953	887	1352	513	681	599,5	324	500

SILVER C 14/20



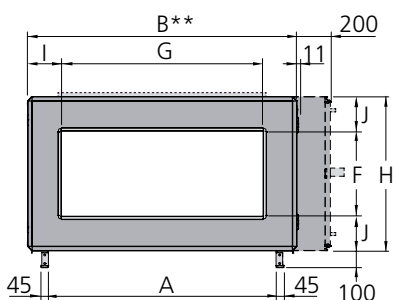
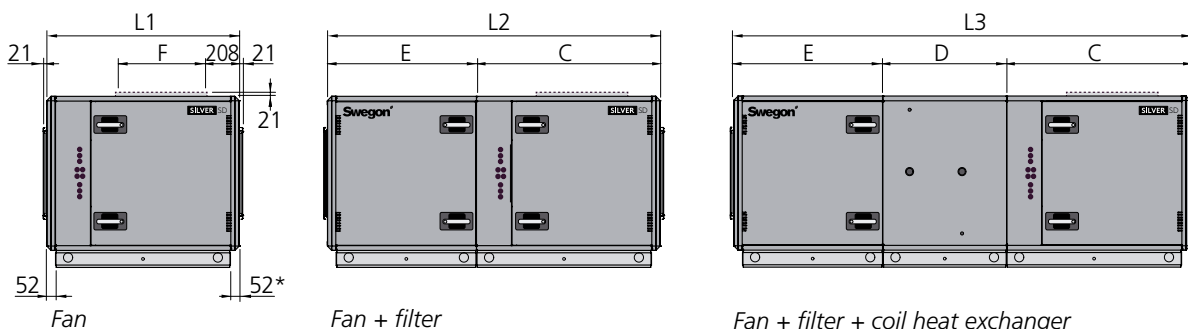
* If a duct accessory housed in an insulated casing will be connected, the air handling unit is supplied with an end connection panel designed for connection to the duct accessory. The AHU can also be supplied with full face end connection panel (accessory).

** Width of coil heat exchanger (if required) = B + 200 mm.

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
14	148-191	250-304	506-567
20	158-211	260-324	516-587

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
14/20	1040	1875	2710	1400	775,5	1154	988	835	887	400	1000	200	188

SILVER C 25/30, 35/40



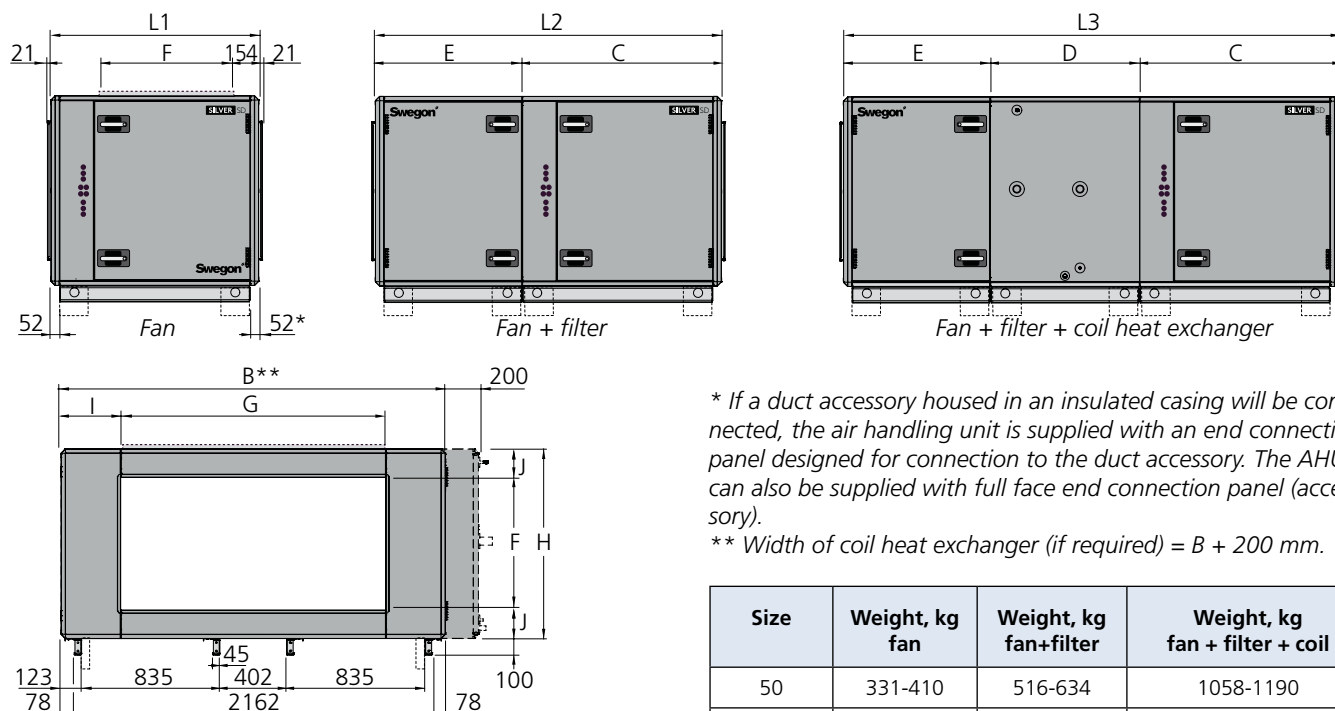
* If a duct accessory housed in an insulated casing will be connected, the air handling unit is supplied with an end connection panel designed for connection to the duct accessory. The AHU can also be supplied with full face end connection panel (accessory).

** Width of coil heat exchanger (if required) = B + 200 mm.

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
25	190-252	308-382	616-699
30	216-264	351-411	659-728
35	263-332	413-513	853-966
40	288-366	438-547	878-1000

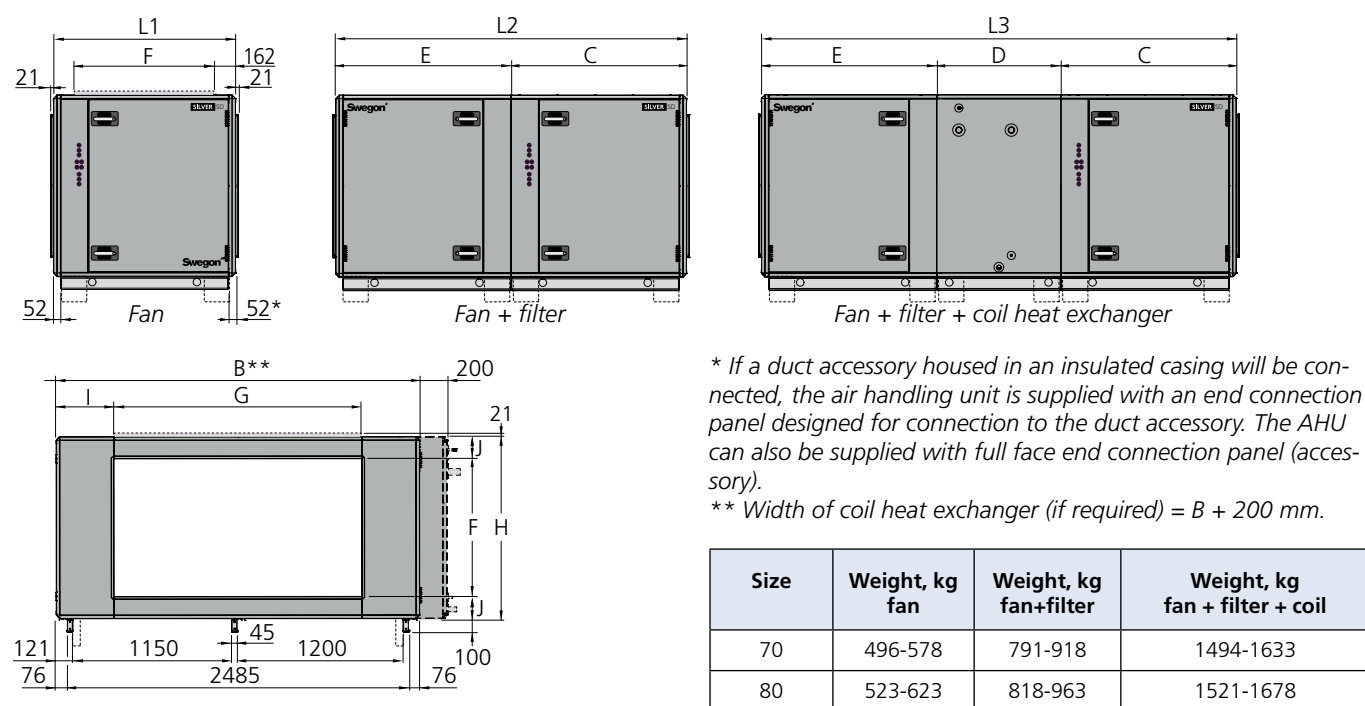
Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
25/30	1144	1978	2813	1600	905,5	1354	1092	835	886	500	1200	200	203
35/40	1253	2088	2988	1990	1079,5	1744	1202	900	886	600	1400	295	239,5

SILVER C 50/60

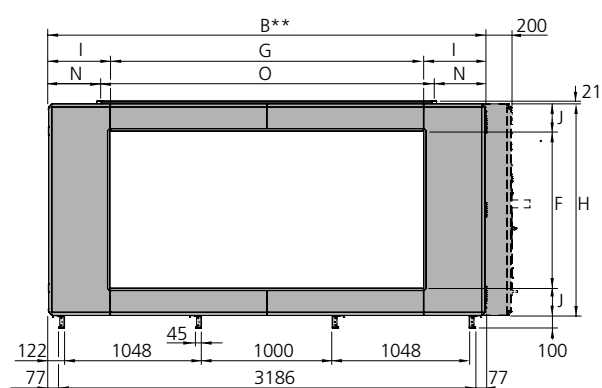


Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
50/60	1253	2088	2988	2318	1144	1202	900	886	800	1600	359	172

SILVER C 70/80



Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
70/80	1325	2547	3447	2637	1320	1273,5	900	1273,5	1000	1800	418,5	160



The diagram shows a side view of the Sveggen L3 unit. It is divided into three vertical sections labeled E, D, and C from left to right. The total width is indicated as L3 at the top. Section E contains two doors with handles. Section D contains a central panel with four circular fan symbols arranged in a 2x2 grid, a rectangular coil heat exchanger symbol below them, and two circular access points. Section C contains another door with a handle. The brand name 'Sveggen' is visible on the left door.

** Width of coil heat exchanger (if required) = $B + 200$ mm.

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
100	644-720	1046-1260	2133-2372
120	744-829	1146-1369	2233-2481

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J	M	N	O
100/120	1181	2252	3322	3340	1620	1126	1070	1126	1200	2400	470	210	800	420	2500

6.5 Electrical data

6.5.1 Fans

The respective size of SILVER C is available in two capacity variants (does not apply to size 04). The lower specified capacity on the respective size in the table below applies to capacity variant 1 and the higher capacity applies to capacity variant 2.

Specified voltage -10% – +15%.

RATED DATA PER FAN

SILVER C 04:	Motor shaft power: 0.8 kW (0.41 kW)*, motor control syst.: 1 x 230 V, 50 Hz, rated 2.3 A
SILVER C 05:	Motor shaft power: 0.8 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 4.3 A <i>alt.</i> Motor shaft power: 1.15 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 5.5 A
SILVER C 07:	Motor shaft power: 0.8 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 4.3 A <i>alt.</i> Motor shaft power: 1.15 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 5.5 A
SILVER C 08:	Motor shaft power: 1.15 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 6.0 A <i>alt.</i> Motor shaft power: 1.6 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 2.8 A
SILVER C 11:	Motor shaft power: 1.15 kW, motor control syst.: 1 x 230 V, 50 Hz, rated 6.0 A <i>alt.</i> Motor shaft power: 1.6 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 2.8 A
SILVER C 12:	Motor shaft power: 1.6 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 2.8 A <i>alt.</i> Motor shaft power: 2.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 3.8 A
SILVER C 14:	Motor shaft power: 1.6 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 2.8 A <i>alt.</i> Motor shaft power: 2.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 3.8 A
SILVER C 20:	Motor shaft power: 2.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 4.2 A <i>alt.</i> Motor shaft power: 3.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 5.9 A
SILVER C 25:	Motor shaft power: 2.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 4.2 A <i>alt.</i> Motor shaft power: 3.4 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 5.9 A
SILVER C 30:	Motor shaft power: 4.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 7.3 A <i>alt.</i> Motor shaft power: 5.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 8.9 A
SILVER C 35:	Motor shaft power: 4.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 7.3 A <i>alt.</i> Motor shaft power: 5.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 8.9 A
SILVER C 40:	Motor shaft power: 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.9 A <i>alt.</i> Motor shaft power: 10 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 16 A

SILVER C 50:	Motor shaft power: 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.9 A <i>alt.</i> Motor shaft power: 10 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 16 A
SILVER C 60:	Motor shaft power: 2 x 4.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 7.3 A <i>alt.</i> Motor shaft power: 2 x 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.2 A
SILVER C 70:	Motor shaft power: 2 x 4.0 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 7.3 A <i>alt.</i> Motor shaft power: 2 x 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.2 A
SILVER C 80:	Motor shaft power: 2 x 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.9 A <i>alt.</i> Motor shaft power: 2 x 10 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 16 A
SILVER C 100:	Motor shaft power: 2 x 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.9 A <i>alt.</i> Motor shaft power: 2 x 10 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 16 A
SILVER C 120:	Motor shaft power: 3 x 6.5 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 11.9 A <i>alt.</i> Motor shaft power: 3 x 10 kW, motor control syst.: 3 x 400 V, 50 Hz, rated 16 A

*) The motor control system limits the output power to the value specified.

6.5.2 Motor in rotary heat exchanger

6.4.2.1 Standard rotor

SILVER C RX 04-30:	Step motor, 2 Nm. 45 W, 1 x 230 V, 50 Hz. Max. fuse, 6 A.
SILVER C RX 35-40:	Step motor, 4 Nm. 90 W, 1 x 230 V, 50 Hz. Max. fuse, 6 A.
SILVER C RX 50-80:	Step motor, 6 Nm. 150 W, 1 x 230 V, 50 Hz. Max. fuse, 6 A.
SILVER C RX 100-120:	Step motor. 380 W, 3 x 400 V, 50 Hz. Max. fuse, 10 A.

6.4.2.2 RECOsorptic rotor

SILVER C RX 04-08:	Step motor, 2 Nm. 45 W, 1 x 230 V, 50 Hz. Max. fuse, 6 A.
SILVER C RX 11-40:	Step motor, 4 Nm. 90 W, 1 x 230 V, 50 Hz. Max. fuse, 6 A.
SILVER C RX 50-120:	Step motor. 380 W, 3 x 400 V, 50 Hz. Max. fuse, 10 A.

6.6 Volume of glycol/water CX/SD coil heat exchangers

Batteriernas sammanlagda volym (exkl. rörkopplingsenhet och rördragning):

SD, size 11/12	70 litres
SD, size 14/20	106 litres
SD, size 25/30	138 litres
SD/CX, size 35/40	218 litres
SD/CX, size 50/60	262 litres
SD/CX, size 70/80	336 litres
SD/CX, size 100/120	538 litres

7. Appendices

7.1 Declaration of incorporation of a partly completed machinery

7.1.1 SILVER C RX



DECLARATION OF INCORPORATION FOR A PARTY COMPLETED MACHINE

Original

Directive 2006/42/EC, Annex II 1B

Manufacturer (and whenever applicable its authorized representative):

Company: Swegon Operations AB
Address: Box 300, SE-53523 Kvånum, Sweden
Representative:
Address:

Declares that the partly completed machine:

Type of machine: Air handling unit
Machine No.: SILVER C 004/005, 007/008, 011/012, 014/020, 025/030, 035/040, 050/060, 070/080, 100/120 F
RX and accessories for each respective size that fall within the scope of these directives
Complies with the applicable parts of 2006/42/EC. The applicable parts of the directive
are defined more precisely in the technical documentation compiled in accordance with
Section B of Annex 7 and, for a justified cause, can be made available in digital form for
any competent authorities. Applicable parts:

Also conform to the following directives:

2014/30/EU, EMC
2009/125/EG, Ecodesign (Commission regulation (EU) No. 327/2011)
2009/125/EG, Ecodesign (Commission regulation (EU) No. 1253/2014)

The following harmonised standards have been observed:

EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk mitigation
EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: Generic standards
EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones from being reached by arms and
legs.
EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial
environments
EN 61000-6-3:2007+A1 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission from equipment in
homes, offices, shops and similar environments

The following other standards and specifications have been applied:

EN 1886:2007 Ventilation for buildings - Air handling units - Mechanical performance
EN 13053:2006+A1:2011 Ventilation for buildings - Air handling units - Rating and performance for units, unit sections
and components

Also declares that:

The machine may not be taken into operation before the complete machines (system) into
which it has been built has been declared to conform to the provisions of Directive
2006/42/EC.

Person authorised to compile the relevant technical documentation:

Name: Dan Örtengren
Address: Box 300, SE-53523 Kvånum, Sweden

Signature:

Place/Date: Kvånum / 01-08-2018

Kvånum / 01-08-2018

Name:




Clarification of:
signature

William Lawrance

Niklas Tjäder

Position: Product Manager, Kvånum

Plant Manager, Kvånum

The document was originally written in Swedish, other languages are translated copies.

7.1.2 SILVER C PX



DECLARATION OF INCORPORATION FOR A PARTY COMPLETED MACHINE

Original

Directive 2006/42/EC, Annex II 1B

Manufacturer (and whenever applicable its authorized representative):

Company: Swegon Operations AB
Address: Box 300, SE-53523 Kvänum, Sweden
Representative:
Address:

Declares that the partly completed machine:

Type of machine: Air handling unit
Machine No.: SILVER C 004/005, 007/008, 011/012, 014/020, 025/030, 035/040 F PX and accessories for each respective size that fall within the scope of these directive
Complies with the applicable parts of 2006/42/EC. The applicable parts of the directive are defined more precisely in the technical documentation compiled in accordance with Section B of Annex 7 and, for a justified cause, can be made available in digital form for any competent authorities. Applicable parts:

Also conform to the following directives:

2014/30/EU, EMC
2009/125/EG, Ecodesign (Commission regulation (EU) No. 327/2011)
2009/125/EG, Ecodesign (Commission regulation (EU) No. 1253/2014)

The following harmonised standards have been observed:

EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk mitigation
EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: Generic standards
EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones from being reached by arms and legs.
EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007+A1 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission from equipment in homes, offices, shops and similar environments

The following other standards and specifications have been applied:

EN 1886:2007 Ventilation for buildings - Air handling units - Mechanical performance
EN 13053:2006+A1:2011 Ventilation for buildings - Air handling units - Rating and performance for units, unit sections and components

Also declares that:

The machine may not be taken into operation before the complete machines (system) into which it has been built has been declared to conform to the provisions of Directive 2006/42/EC.

Person authorised to compile the relevant technical documentation:

Name: Dan Örtengren
Address: Box 300, SE-53523 Kvänum, Sweden

Signature:

Place/Date: Kvänum / 01-08-2018

Kvänum / 01-08-2018

Name:




Clarification of:
signature

Niklas Tjäder

Position: Product Manager, Kvänum

Plant Manager, Kvänum

The document was originally written in Swedish, other languages are translated copies.

7.1.3 SILVER C CX



DECLARATION OF INCORPORATION FOR A PARTY COMPLETED MACHINE

Original

Directive 2006/42/EC, Annex II 1B

Manufacturer (and whenever applicable its authorized representative):

Company: Swegon Operations AB
Address: Box 300, SE-53523 Kvänum, Sweden
Representative:
Address:

Declares that the partly completed machine:

Type of machine: Air handling unit
Machine No.: SILVER C 035/040, 050/060, 070/080, 100/120 F CX and accessories for each respective size that fall within the scope of these directives
Complies with the applicable parts of 2006/42/EC. The applicable parts of the directive are defined more precisely in the technical documentation compiled in accordance with Section B of Annex 7 and, for a justified cause, can be made available in digital form for any competent authorities. Applicable parts:

Also conform to the following directives:

2014/30/EU, EMC
2009/125/EG, Ecodesign (Commission regulation (EU) No. 327/2011)
2009/125/EG, Ecodesign (Commission regulation (EU) No. 1253/2014)

The following harmonised standards have been observed:

EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk mitigation
EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: Generic standards
EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones from being reached by arms and legs.
EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007+A1 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission from equipment in homes, offices, shops and similar environments

The following other standards and specifications have been applied:

EN 1886:2007 Ventilation for buildings - Air handling units - Mechanical performance
EN 13053:2006+A1:2011 Ventilation for buildings - Air handling units - Rating and performance for units, unit sections and components

Also declares that:

The machine may not be taken into operation before the complete machines (system) into which it has been built has been declared to conform to the provisions of Directive 2006/42/EC.

Person authorised to compile the relevant technical documentation:

Name: Dan Örtengren
Address: Box 300, SE-53523 Kvänum, Sweden

Signature:

Place/Date: Kvänum / 01-08-2018

Kvänum / 01-08-2018

Name:




Clarification of:
signature

William Lawrance

Niklas Tjäder

Position: Product Manager, Kvänum

Plant Manager, Kvänum

The document was originally written in Swedish, other languages are translated copies.

7.1.4 SILVER C SD



DECLARATION OF INCORPORATION FOR A PARTY COMPLETED MACHINE

Original

Directive 2006/42/EC, Annex II 1B

Manufacturer (and whenever applicable its authorized representative):

Company: Swegon Operations AB
Address: Box 300, SE-53523 Kvånum, Sweden
Representative:
Address:

Declares that the partly completed machine:

Type of machine: Air handling unit
Machine No.: SILVER C 004/005, 007/008, 011/012, 014/020, 025/030, 035/040, 050/060, 070/080, 100/120 F
SD and accessories for each respective size that fall within the scope of these directives
Complies with the applicable parts of 2006/42/EC. The applicable parts of the directive
are defined more precisely in the technical documentation compiled in accordance with
Section B of Annex 7 and, for a justified cause, can be made available in digital form for
any competent authorities. Applicable parts:

Also conform to the following directives:

2014/30/EU, EMC
2009/125/EG, Ecodesign (Commission regulation (EU) No. 327/2011)
2009/125/EG, Ecodesign (Commission regulation (EU) No. 1253/2014)

The following harmonised standards have been observed:

EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk mitigation
EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: Generic standards
EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones from being reached by arms and
legs.
EN 61000-6-2:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial
environments
EN 61000-6-3:2007+A1 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission from equipment in
homes, offices, shops and similar environments

The following other standards and specifications have been applied:

EN 1886:2007 Ventilation for buildings - Air handling units - Mechanical performance
EN 13053:2006+A1:2011 Ventilation for buildings - Air handling units - Rating and performance for units, unit sections
and components

Also declares that:

The machine may not be taken into operation before the complete machines (system) into
which it has been built has been declared to conform to the provisions of Directive
2006/42/EC.

Person authorised to compile the relevant technical documentation:

Name: Dan Örtengren
Address: Box 300, SE-53523 Kvånum, Sweden

Signature:

Place/Date: Kvånum / 01-08-2018 Kvånum / 01-08-2018

Name:




Clarification of:
signature

Niklas Tjäder

Position: Product Manager, Kvånum

Plant Manager, Kvånum

The document was originally written in Swedish, other languages are translated copies.

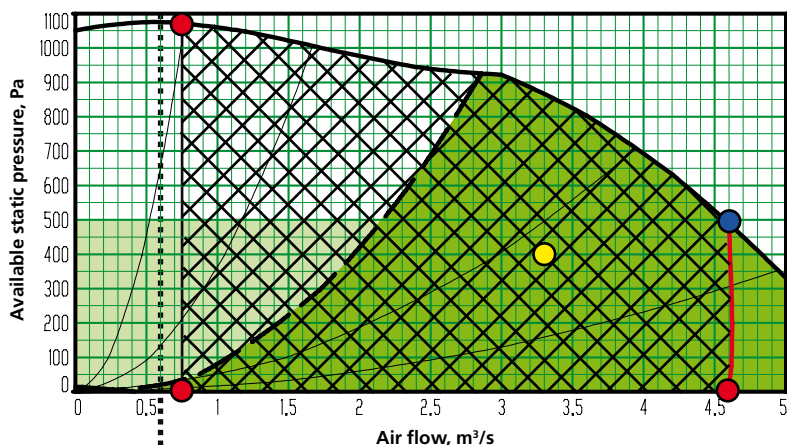
11.3 Ecodesign data

Air Handling Units (including GOLD-F), EU regulation 327/2011 fan data, Technical documentation data


Datum: 2017-09-01


Type		AHU data		Fan data			Data according to EEP directive in technical documentation and free access webpage												
		Size	Impeller type	Impeller diameter mm	Motor manufacture	Motor power kW	Installation category	Efficiency category	Variable speed drive	Specific ratio	Overall efficiency η_{eff}		Efficiency grade N		Power input P _{ed} kW	Air Flow q _v m ³ /s	Pressure increase p _{is} Pa	Speed n min ⁻¹	
GOLD RX/SILVER C RX Top Version F		04	Aluminium	288	Domel	0.41	A	Static	Yes	1.01	64.8	48.1	Req 2015	Actual	78.7	0.476	536	2700	
		05	Aluminium	288	Domel	0.8	A	Static	Yes	1.01	65.5	51.1	62	74.7	62	0.909	0.649	840	3380
		07	Aluminium	288	Domel	0.8	A	Static	Yes	1.01	63.8	51.1	62	74.7	62	0.920	0.649	829	3380
		08	Aluminium	348	Domel	1.15	A	Static	Yes	1.01	65.4	52.6	62	74.8	62	1.27	0.923	835	2780
		11	Aluminium	348	Domel	1.15	A	Static	Yes	1.01	65.4	52.6	62	74.8	62	1.27	0.923	835	2780
		12	Aluminium	422	Domel	1.6	A	Static	Yes	1.01	66.8	53.8	62	75.0	62	1.66	1.26	821	2780
		04	Aluminium	288	Domel	0.41	A	Static	Yes	1.01	64.8	48.1	62	78.7	62	0.476	0.519	536	2700
		05 (Eff var 1)	Aluminium	288	Domel	0.8	A	Static	Yes	1.01	65.5	51.1	62	76.4	62	0.909	0.649	840	3380
		05 (Eff var 2)	Aluminium	288	Domel	1.15	A	Static	Yes	1.01	63.5	52.1	62	73.4	62	1.150	0.734	924	3700
		07 (Eff var 1)	Aluminium	288	Domel	0.8	A	Static	Yes	1.01	65.5	51.1	62	76.4	62	0.909	0.649	840	3380
		07 (Eff var 2)	Aluminium	288	Domel	1.15	A	Static	Yes	1.01	65.5	51.1	62	73.4	62	0.909	0.649	840	3380
		08 (Eff var 2)	Aluminium	348	Domel	1.15	A	Static	Yes	1.01	63.5	52.1	62	73.4	62	1.15	0.734	924	3700
GOLD/ SILVER C Version F		08 (Eff var 2)	Aluminium	348	Domel	1.15	A	Static	Yes	1.01	65.4	52.6	62	74.8	62	1.27	0.923	835	2780
		11 (Eff var 1)	Aluminium	348	Domel	1.6	A	Static	Yes	1.01	67.4	53.7	62	75.7	62	1.62	1.009	1009	3050
		11 (Eff var 2)	Aluminium	348	Domel	1.6	A	Static	Yes	1.01	67.4	53.7	62	74.8	62	1.62	1.009	1009	3050
		12 (Eff var 1)	Aluminium	422	Domel	1.6	A	Static	Yes	1.01	66.8	53.8	62	75.0	62	1.66	1.26	821	2250
		12 (Eff var 2)	Aluminium	422	Domel	2.4	A	Static	Yes	1.01	66.0	55.3	62	72.7	62	2.30	1.48	965	2500
		14 (Eff var 1)	Aluminium	422	Domel	1.6	A	Static	Yes	1.01	66.8	53.8	62	75.0	62	1.66	1.26	821	2250
		14 (Eff var 2)	Aluminium	422	Domel	2.4	A	Static	Yes	1.01	66.0	55.3	62	72.7	62	2.30	1.48	965	2500
		20 (Eff var 1)	Aluminium	510	Domel	2.4	A	Static	Yes	1.01	66.7	55.9	62	72.8	62	2.62	2.18	759	1890
		20 (Eff var 2)	Aluminium	510	Domel	3.4	A	Static	Yes	1.01	65.7	57.1	62	70.5	62	3.44	2.44	890	2100
		25 (Eff var 1)	Aluminium	510	Domel	2.4	A	Static	Yes	1.01	66.7	55.9	62	72.8	62	2.62	2.18	759	1890
		25 (Eff var 2)	Aluminium	510	Domel	3.4	A	Static	Yes	1.01	65.7	57.1	62	70.5	62	3.44	2.44	890	2100
		PX	30 (Eff var 1)	Aluminium	616	Domel	4.0	A	Static	Yes	1.01	65.2	58.5	62	68.8	62	4.62	2.93	988
	CX	35 (Eff var 1)	Aluminium	616	Domel	4.0	A	Static	Yes	1.01	65.2	58.5	62	68.8	62	4.62	2.93	988	1635
	SD	60 (Eff var 1)	Aluminium	616	Domel	4.0	A	Static	Yes	1.01	65.2	58.5	62	68.8	62	4.62	2.93	988	1635
		70 (Eff var 1)	Aluminium	616	Domel	4.0	A	Static	Yes	1.01	65.2	58.5	62	68.8	62	4.62	2.93	988	1635
		30 (Eff var 2)	Aluminium	616	Domel	5.0	A	Static	Yes	1.01	67.2	59.0	62	70.2	62	5.19	3.26	1023	1740
		35 (Eff var 2)	Aluminium	616	Domel	5.0	A	Static	Yes	1.01	67.2	59.0	62	70.2	62	5.19	3.26	1023	1740
		60 (Eff var 2)	Aluminium	616	Domel	6.5	A	Static	Yes	1.01	67.4	60.2	62	69.2	62	6.77	3.56	1228	1900
		70 (Eff var 2)	Aluminium	616	Domel	6.5	A	Static	Yes	1.01	67.4	60.2	62	69.2	62	6.77	3.56	1228	1900
		50 (Eff var 1)	Aluminium	744	Domel	6.5	A	Static	Yes	1.01	69.2	60.2	62	70.9	62	6.76	4.95	911	1380
		50 (Eff var 2)	Aluminium	744	Domel	6.5	A	Static	Yes	1.01	69.2	60.2	62	70.9	62	6.76	4.95	911	1380
		100 (Eff var 1)	Aluminium	744	Domel	6.5	A	Static	Yes	1.01	69.2	60.2	62	70.9	62	6.76	4.95	911	1380
		100 (Eff var 2)	Aluminium	744	Domel	6.5	A	Static	Yes	1.01	69.2	60.2	62	70.9	62	6.76	4.95	911	1380
		120 (Eff var 1)	Aluminium	744	Domel	6.5	A	Static	Yes	1.01	68.5	62.0	62	68.5	62	6.76	4.95	911	1380
		80 (Eff var 2)	Aluminium	744	Domel	10	A	Static	Yes	1.01	68.5	62.0	62	68.5	62	10.70	5.18	1358	1590
		100 (Eff var 2)	Aluminium	744	Domel	10	A	Static	Yes	1.01	68.5	62.0	62	68.5	62	10.70	5.18	1358	1590
		120 (Eff var 2)	Aluminium	744	Domel	10	A	Static	Yes	1.01	68.5	62.0	62	68.5	62	10.70	5.18	1358	1590


Example




The lower limit for the airflow when the unit is operating in the airflow regulation mode.


 Recommended range for the design working point.


 Permissible operating range when the fan is controlled to operate at a lower speed. If pressure regulation is used, the airflow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

 Permissible operating range in accordance with regulation 1253/2014
Working point with the highest air flow shall be found within the permissible area. In case of unbalanced air flows; mean working point, supply extract shall be used.
Working points with less air flow is allowed to be found outside the permissible range e.g. in case of variable air flow.

 Max. limit, Ecodesign 2018.

 Outer limit - largest permissible air flow at maximum speed.

 Remaining outer limits.

 Recommended average working point.

RX

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRVU

Datum: 2018-08-17

Air handling unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Normal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vert. comp.	Overall fan efficiency (EU) No 1253/2014	Maximum external leakage rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, L _{WA}	
								%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	%	kWh/year	dB(A)	
04	Not applicable	Duct	Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	277	0.3	0	30	-	64.8	-	-	-	40
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.30	370	0.5	581	45	-	64.8	-	-	-	62
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.30	0.29	630	1.1	250	163	-	64.8	-	-	-	50
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.45	0.49	982	1.6	260	282	1	64.8	1	1	533	53
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.45	0.37	988	1.6	0	280	-	64.8	-	-	-	51
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	267	0.3	0	28	-	64.8	-	-	-	39
		Full face	Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.30	351	0.5	583	43	-	64.8	-	-	-	62
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.30	0.27	566	1.1	250	147	-	64.8	-	-	-	49
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.45	0.49	876	1.6	291	249	1	64.8	1	1	536	53
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.45	0.34	873	1.6	0	246	-	64.8	-	-	-	51
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	277	0.3	0	30	-	65.5	-	-	-	40
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.53	460	0.6	943	52	-	65.5	-	-	-	67
05	1	Duct	Blue	Average	NRVU BVU	variable speed	Other	83	0.42	0.48	925	1.5	300	259	-	65.5	-	-	-	53
			Yellow	Max - high	NRVU BVU	variable speed	Other	81	0.51	0.56	1270	1.8	573	351	1	65.5	1	1	688	58
			Red	Max - low	NRVU BVU	variable speed	Other	81	0.53	0.53	1252	1.8	0	359	-	65.5	-	-	-	55
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	267	0.3	0	28	-	65.5	-	-	-	39
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.53	434	0.6	945	49	-	65.5	-	-	-	67
			Yellow	Average	NRVU BVU	variable speed	Other	83	0.42	0.45	813	1.5	300	229	-	65.5	-	-	-	52
		Full face	Blue	Max - high	NRVU BVU	variable speed	Other	80	0.56	0.94	1226	2.0	512	349	1	65.5	1	1	792	58
			Red	Max - low	NRVU BVU	variable speed	Other	80	0.57	0.58	1219	2.0	0	346	-	65.5	-	-	-	56
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	316	0.3	0	30	-	63.5	-	-	-	40
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.72	542	0.6	1141	55	-	63.5	-	-	-	69
			Yellow	Average	NRVU BVU	variable speed	Other	83	0.42	0.61	1004	1.5	400	264	-	63.5	-	-	-	54
			Blue	Max - high	NRVU BVU	variable speed	Other	82	0.47	1.25	1300	1.8	862	330	1	63.5	1	1	709	62
06	2	Duct	Red	Max - low	NRVU BVU	variable speed	Other	81	0.52	0.52	1263	1.8	0	344	-	63.5	-	-	-	54
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.08	0.04	307	0.3	0	28	-	63.5	-	-	-	39
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.08	0.72	509	0.6	1143	51	-	63.5	-	-	-	69
			Yellow	Average	NRVU BVU	variable speed	Other	83	0.42	0.58	883	1.5	400	233	-	63.5	-	-	-	54
			Blue	Max - high	NRVU BVU	variable speed	Other	81	0.53	1.28	1254	2.0	812	330	1	63.5	1	1	804	60
			Red	Max - low	NRVU BVU	variable speed	Other	80	0.56	0.57	1226	1.9	0	333	-	63.5	-	-	-	55
		Full face	Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.03	173	0.3	0	25	-	65.5	-	-	-	30
			Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.60	308	0.5	953	44	-	65.5	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.47	532	1.1	350	152	-	65.5	-	-	-	53
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.74	0.85	1080	1.7	262	283	4	65.5	1	1	921	60
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.74	0.68	1154	1.7	0	283	-	65.5	-	-	-	60
			Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.03	165	0.3	0	24	-	65.5	-	-	-	30
07	1	Duct	Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.60	285	0.5	955	41	-	65.5	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.46	498	1.1	350	131	-	65.5	-	-	-	53
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.75	0.84	922	1.7	285	247	4	65.5	1	1	949	61
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.75	0.64	996	1.7	0	246	-	65.5	-	-	-	61
			Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.04	208	0.3	0	25	-	63.5	-	-	-	30
			Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.81	363	0.6	1152	47	-	63.5	-	-	-	69
		Full face	Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.60	577	1.2	450	156	-	63.5	-	-	-	54
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.75	1.21	1144	1.8	473	308	4	63.5	1	1	970	62
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.75	0.75	1272	1.7	0	288	-	63.5	-	-	-	61
			Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.04	199	0.3	0	24	-	63.5	-	-	-	30
			Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.81	335	0.6	1154	43	-	63.5	-	-	-	69
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.58	497	1.2	450	134	-	63.5	-	-	-	54
08	2	Duct	Blue	Max - high	NRVU BVU	variable speed	Other	83	0.75	1.21	950	1.8	518	255	4	63.5	1	1	975	62
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.75	0.70	1111	1.7	0	246	-	63.5	-	-	-	61
			Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.04	199	0.3	0	24	-	63.5	-	-	-	30
			Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.81	335	0.6	1154	43	-	63.5	-	-	-	69
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.58	497	1.2	450	134	-	63.5	-	-	-	54
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.75	1.21	950	1.8	518	255	4	63.5	1	1	975	62
		Full face	Red	Max - low	NRVU BVU	variable speed	Other	83	0.75	0.70	1111	1.7	0	246	-	63.5	-	-	-	61
			Red	Min - low	NRVU BVU	variable speed	Other	75	0.11	0.04	199	0.3	0	24	-	63.5	-	-	-	30
			Red	Min - high	NRVU BVU	variable speed	Other	75	0.11	0.81	335	0.6	1154	43	-	63.5	-	-	-	69
			Yellow	Average	NRVU BVU	variable speed	Other	86	0.45	0.58	497	1.2	450	134	-	63.5	-	-	-	54
			Blue	Max - high	NRVU BVU	variable speed	Other	83	0.75	1.21	950	1.8	518	255	4	63.5	1	1	975	62
			Red	Max - low	NRVU BVU	variable speed	Other	83	0.75	0.70	1111	1.7	0	246	-	63.5	-	-	-	61

RX

Air handling unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014															
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Types of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency (EU) No 1253/2014	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level LwA
08	1	Duct	Red	Min - low	NRVU, BVU	variable speed	Other	85	0.20	0.06	251	0.5	0	49	65.4	-	-	-	36
			Red	Min - high	NRVU, BVU	variable speed	Other	85	0.20	0.06	447	1.6	932	0.6	71	65.4	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.70	0.78	300	274	300	274	300	274	-	-	55
		Blue	Max - high	NRVU, BVU	variable speed	Other	82	0.82	1.38	1237	2.0	515	354	65.4	1	1100	59		
		Red	Max - low	NRVU, BVU	variable speed	Other	81	0.83	1.30	1227	1.9	0	350	65.4	-	-	57		
		Red	Min - low	NRVU, BVU	variable speed	Other	85	0.20	0.06	233	0.5	0	45	65.4	-	-	36		
	Full face	Red	Min - high	NRVU, BVU	variable speed	Other	85	0.20	0.06	404	0.7	937	0.6	64	65.4	-	-	69	
		Yellow	Average	NRVU, BVU	variable speed	Other	83	0.70	0.73	782	1.6	300	228	65.4	-	-	55		
		Blue	Max - high	NRVU, BVU	variable speed	Other	80	0.93	1.35	1174	2.2	419	339	65.4	1	1320	60		
		Red	Max - low	NRVU, BVU	variable speed	Other	80	0.92	0.90	1181	2.1	0	329	65.4	-	-	59		
		Red	Min - low	NRVU, BVU	variable speed	Other	85	0.20	0.06	247	0.5	0	49	67.4	-	-	36		
		Red	Min - high	NRVU, BVU	variable speed	Other	85	0.20	1.12	469	0.8	1137	0.7	75	67.4	-	-	71	
11	2	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	83	0.70	0.91	946	1.7	400	280	67.4	-	-	57	
			Blue	Max - high	NRVU, BVU	variable speed	Other	82	0.81	1.76	1241	2.0	771	358	67.4	1	1100	61	
			Red	Max - low	NRVU, BVU	variable speed	Other	81	0.85	0.81	1218	1.9	0	361	67.4	-	-	57	
		Red	Min - low	NRVU, BVU	variable speed	Other	85	0.20	0.06	229	0.5	0	45	67.4	-	-	35		
		Red	Min - high	NRVU, BVU	variable speed	Other	85	0.20	1.12	450	0.8	1143	0.7	67	67.4	-	-	71	
		Yellow	Average	NRVU, BVU	variable speed	Other	83	0.70	0.85	780	1.7	400	232	67.4	-	-	56		
	Full face	Blue	Max - high	NRVU, BVU	variable speed	Other	80	0.93	1.76	1175	2.2	667	348	67.4	1	1330	62		
		Red	Max - low	NRVU, BVU	variable speed	Other	80	0.94	0.91	1172	2.1	0	337	67.4	-	-	59		
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	177	0.3	0	34	65.4	-	-	32		
		Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	0.89	333	0.6	948	0.6	54	65.4	-	-	69	
		Yellow	Average	NRVU, BVU	variable speed	Other	86	0.72	0.77	628	1.2	350	183	65.4	-	-	55		
		Blue	Max - high	NRVU, BVU	variable speed	Other	83	1.08	1.25	1134	1.7	261	310	65.4	3	1500	62		
12	1	Duct	Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	180	0.3	0	34	67.4	-	-	32	
			Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.16	374	0.6	1153	0.7	57	67.4	-	-	71
			Yellow	Average	NRVU, BVU	variable speed	Other	86	0.75	0.94	659	1.3	450	197	67.4	-	-	57	
		Blue	Max - high	NRVU, BVU	variable speed	Other	83	1.10	1.65	1134	1.8	461	331	67.4	3	1510	63		
		Red	Max - low	NRVU, BVU	variable speed	Other	83	1.10	1.04	1215	1.7	0	321	67.4	-	-	62		
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	170	0.3	0	32	67.4	-	-	32		
	Full face	Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.16	343	0.6	1157	0.5	32	67.4	-	-	71	
		Yellow	Average	NRVU, BVU	variable speed	Other	86	0.75	0.90	588	1.3	490	167	67.4	-	-	57		
		Blue	Max - high	NRVU, BVU	variable speed	Other	83	1.10	1.65	935	1.8	512	272	67.4	3	1520	63		
		Red	Max - low	NRVU, BVU	variable speed	Other	83	1.10	0.95	1042	1.7	0	263	67.4	-	-	62		
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	185	0.3	0	34	68.8	-	-	43		
		Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.02	400	0.6	903	0.6	53	68.8	-	-	70	
12	1	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	83	1.00	1.07	921	1.6	300	284	66.8	-	-	57	
			Blue	Max - high	NRVU, BVU	variable speed	Other	82	1.17	1.78	1189	1.9	478	363	66.8	1	1680	61	
			Red	Max - low	NRVU, BVU	variable speed	Other	82	1.21	1.10	1172	1.9	0	369	66.8	-	-	59	
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	175	0.3	0	32	66.8	-	-	42		
		Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.02	368	0.6	906	0.6	49	66.8	-	-	70	
		Yellow	Average	NRVU, BVU	variable speed	Other	83	1.00	0.96	755	1.6	300	285	66.8	-	-	57		
	Full face	Blue	Max - high	NRVU, BVU	variable speed	Other	80	1.33	1.73	1117	2.1	386	300	66.8	1	2010	61		
		Red	Max - low	NRVU, BVU	variable speed	Other	80	1.34	1.22	1118	2.1	0	347	66.8	-	-	60		
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	211	0.3	0	34	66.0	-	-	43		
		Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.39	459	0.6	1131	0.5	57	66.0	-	-	72	
		Yellow	Average	NRVU, BVU	variable speed	Other	83	1.00	1.28	951	1.6	400	289	66.0	-	-	58		
		Blue	Max - high	NRVU, BVU	variable speed	Other	82	1.12	2.42	1219	1.9	783	355	66.0	1	1680	63		
2	Duct	Red	Max - low	NRVU, BVU	variable speed	Other	82	1.21	1.10	1172	1.9	0	369	66.0	-	-	59		
		Red	Min - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	199	0.3	0	32	66.0	-	-	42		
		Red	Min - high	NRVU, BVU	variable speed	Other	83	0.20	1.39	423	0.6	1134	0.5	53	66.0	-	-	72	
	Full face	Yellow	Average	NRVU, BVU	variable speed	Other	83	1.00	1.19	782	1.6	400	239	66.0	-	-	58		
		Blue	Max - high	NRVU, BVU	variable speed	Other	81	1.30	2.43	1155	2.1	653	346	66.0	1	2040	63		

RX

Air handling unit		Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency %	Nominal flow rate m³/s	Effective electric power kW	SPint W/(m³/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vert. comp. Pa	Overall fan efficiency (EU) % 327/2011	Maximum external leakage rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level, LwA dB(A)
Size	Motor option	In and outlet connections	Colour	Remark														
14	1	Duct	Red	Min - low	NRVU BVU	variable speed	72	0.22	1.05	120	0.3	0	23	66.8	-	-	-	35
			Red	Min - high	NRVU BVU	variable speed	82	0.22	1.57	903	1.9	263	272	66.8	-	-	-	65
			Yellow	Average	NRVU BVU	variable speed	85	1.10	1.06	948	1.4	350	173	66.8	-	-	-	59
		Full face	Blue	Max - high	NRVU BVU	variable speed	83	1.57	1.57	903	2.3	263	272	66.8	1	1	1900	65
			Red	Max - low	NRVU BVU	variable speed	83	1.57	1.26	979	1.9	0	23	66.8	-	-	-	64
			Red	Min - low	NRVU BVU	variable speed	72	0.22	0.05	119	0.3	0	23	66.8	-	-	-	35
			Red	Min - high	NRVU BVU	variable speed	82	0.22	1.56	871	1.9	265	261	66.8	-	-	-	65
	2	Duct	Yellow	Average	NRVU BVU	variable speed	85	1.10	1.06	948	1.4	350	167	66.8	-	-	-	59
			Blue	Max - high	NRVU BVU	variable speed	82	1.56	1.56	871	1.9	265	261	66.8	1	1	1900	65
			Red	Max - low	NRVU BVU	variable speed	82	1.58	1.25	950	1.9	0	261	66.8	-	-	-	65
		Full face	Red	Min - low	NRVU BVU	variable speed	72	0.22	0.05	134	0.3	0	23	66.0	-	-	-	35
			Red	Min - high	NRVU BVU	variable speed	81	0.22	2.21	997	2.1	449	208	66.0	-	-	-	66
			Yellow	Average	NRVU BVU	variable speed	85	1.10	1.28	966	1.5	450	176	66.0	-	-	-	60
			Blue	Max - high	NRVU BVU	variable speed	82	1.65	2.21	967	2.1	449	258	66.0	1	1	2020	66
20	1	Duct	Red	Max - low	NRVU BVU	variable speed	82	1.65	1.41	1051	2.0	0	292	66.0	-	-	-	66
			Red	Min - low	NRVU BVU	variable speed	72	0.22	0.05	133	0.3	0	23	66.0	-	-	-	35
			Red	Min - high	NRVU BVU	variable speed	81	0.22	2.21	923	2.1	462	285	66.0	-	-	-	66
		Full face	Yellow	Average	NRVU BVU	variable speed	85	1.10	1.27	943	1.5	450	170	66.0	-	-	-	60
			Blue	Max - high	NRVU BVU	variable speed	82	1.65	2.21	923	2.1	462	285	66.0	1	1	2000	66
			Red	Max - low	NRVU BVU	variable speed	82	1.65	1.38	1011	2.0	0	278	66.0	-	-	-	66
			Red	Min - low	NRVU BVU	variable speed	83	0.30	0.07	159	0.7	0	33	66.7	-	-	-	38
	2	Duct	Red	Min - low	NRVU BVU	variable speed	83	0.30	1.48	363	0.7	922	50	66.7	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	84	1.40	1.36	749	1.8	300	235	66.7	-	-	-	57
			Blue	Max - high	NRVU BVU	variable speed	81	1.76	2.79	1082	2.2	546	333	66.7	1	1	2500	62
		Full face	Red	Max - low	NRVU BVU	variable speed	81	1.81	1.57	1066	2.2	0	334	66.7	-	-	-	59
			Red	Min - low	NRVU BVU	variable speed	83	0.30	0.07	157	0.7	0	33	66.7	-	-	-	38
			Red	Min - high	NRVU BVU	variable speed	83	0.30	1.48	357	0.7	923	50	66.7	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	84	1.40	1.33	715	1.8	300	225	66.7	-	-	-	57
25	1	Duct	Blue	Max - high	NRVU BVU	variable speed	81	1.82	2.78	1064	2.3	528	329	66.7	1	1	2450	62
			Red	Max - low	NRVU BVU	variable speed	81	1.85	1.60	1051	2.3	0	327	66.7	-	-	-	60
			Red	Min - low	NRVU BVU	variable speed	83	0.30	0.09	202	0.4	0	33	65.7	-	-	-	38
		Full face	Red	Min - high	NRVU BVU	variable speed	83	0.30	1.59	408	0.7	1153	53	65.7	-	-	-	70
			Yellow	Average	NRVU BVU	variable speed	84	1.40	1.66	781	1.8	400	239	65.7	-	-	-	59
			Blue	Max - high	NRVU BVU	variable speed	82	1.72	3.74	1099	2.3	848	329	65.7	1	1	2500	65
			Red	Max - low	NRVU BVU	variable speed	81	1.80	1.56	1069	2.2	0	332	65.7	-	-	-	59
	2	Duct	Red	Min - low	NRVU BVU	variable speed	83	0.30	0.09	189	0.4	0	33	65.7	-	-	-	38
			Red	Min - high	NRVU BVU	variable speed	83	0.30	1.59	400	0.7	1154	52	65.7	-	-	-	70
			Yellow	Average	NRVU BVU	variable speed	84	1.40	1.63	745	1.8	400	228	65.7	-	-	-	58
		Full face	Blue	Max - high	NRVU BVU	variable speed	81	1.77	3.76	1079	2.3	833	326	65.7	1	1	2450	65
			Red	Max - low	NRVU BVU	variable speed	81	1.84	1.60	1054	2.3	0	326	65.7	-	-	-	60
			Red	Min - low	NRVU BVU	variable speed	73	0.31	0.06	109	0.2	0	23	66.7	-	-	-	34
			Red	Min - high	NRVU BVU	variable speed	73	0.31	1.52	295	0.5	933	38	66.7	-	-	-	68
25	1	Duct	Yellow	Average	NRVU BVU	variable speed	84	1.70	1.68	814	1.4	350	195	66.7	-	-	-	59
			Blue	Max - high	NRVU BVU	variable speed	81	2.34	2.53	989	1.8	286	256	66.7	1	1	2500	64
			Red	Max - low	NRVU BVU	variable speed	81	2.33	2.00	1050	1.8	0	286	66.7	-	-	-	64
		Full face	Red	Min - low	NRVU BVU	variable speed	73	0.31	0.06	107	0.2	0	23	66.7	-	-	-	34
			Red	Min - high	NRVU BVU	variable speed	73	0.31	1.52	292	0.5	933	37	66.7	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	84	1.70	1.65	886	1.4	350	186	66.7	-	-	-	59
			Blue	Max - high	NRVU BVU	variable speed	81	2.35	2.52	951	1.8	280	264	66.7	3	1	2570	64
	2	Duct	Red	Max - low	NRVU BVU	variable speed	81	2.35	1.99	1020	1.8	0	284	66.7	-	-	-	64
			Red	Min - low	NRVU BVU	variable speed	73	0.31	0.05	138	0.2	0	23	65.7	-	-	-	34
			Red	Min - high	NRVU BVU	variable speed	73	0.31	2.05	284	0.5	1165	39	65.7	-	-	-	70
		Full face	Yellow	Average	NRVU BVU	variable speed	84	1.70	1.99	827	1.4	450	197	65.7	-	-	-	60
			Blue	Max - high	NRVU BVU	variable speed	81	2.43	3.56	1035	2.0	505	321	65.7	1	1	2600	66
			Red	Max - low	NRVU BVU	variable speed	81	2.33	1.99	1049	1.8	0	286	65.7	-	-	-	64
			Red	Min - low	NRVU BVU	variable speed	73	0.31	0.08	136	0.2	0	23	65.7	-	-	-	34
25	1	Duct	Red	Min - high	NRVU BVU	variable speed	73	0.31	2.05	279	0.5	1165	38	65.7	-	-	-	70
			Yellow	Average	NRVU BVU	variable speed	84	1.70	1.97	898	1.4	450	188	65.7	-	-	-	60
			Blue	Max - high	NRVU BVU	variable speed	81	2.50	3.50	1026	2.0	467	315	65.7	1	1	2700	66
		Full face	Red	Max - low	NRVU BVU	variable speed	81	2.39	2.05	1041	1.9	0	289	65.7	-	-	-	64
			Red	Min - low	NRVU BVU	variable speed	81	2.39	1.041	1041	1.9	0	289	65.7	-	-	-	64
			Red	Min - high	NRVU BVU	variable speed	81	2.39	1.041	1041	1.9	0	289	65.7	-	-	-	64
			Yellow	Average	NRVU BVU	variable speed	81	2.39	1.041	1041	1.9	0	289	65.7	-	-	-	64

RX

Air handling unit		Working point		Part of information requirements for NRUV according to Regulation (EU) No 1253/2014															
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, L _{WA}
								%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	%	kWh/year	dB(A)
30	1	Duct	Red	Min - low	NRUV BVU	variable speed	Other	85	0.50	0.12	165	0.4	0	40	65.2	-	-	-	39
			Red	Min - high	NRUV BVU	variable speed	Other	85	0.50	2.50	383	0.6	1030	56	65.2	-	-	-	70
			Yellow	Average	NRUV BVU	variable speed	Other	82	2.20	2.28	881	1.8	300	275	65.2	-	-	-	60
		Full face	Blue	Max - high	NRUV BVU	variable speed	Other	81	2.32	4.63	1052	1.9	750	307	65.2	1	1	2730	65
			Red	Max - low	NRUV BVU	variable speed	Other	81	2.47	2.09	1030	1.9	0	322	65.2	-	-	-	60
			Red	Min - low	NRUV BVU	variable speed	Other	85	0.50	0.11	162	0.4	0	39	65.2	-	-	-	39
	2	Duct	Red	Min - high	NRUV BVU	variable speed	Other	85	0.50	2.50	374	0.6	1031	55	65.2	-	-	-	70
			Yellow	Average	NRUV BVU	variable speed	Other	82	2.20	2.22	835	1.8	300	280	65.2	-	-	-	60
			Blue	Max - high	NRUV BVU	variable speed	Other	81	2.40	4.66	1039	2.0	731	306	65.2	1	1	2870	65
		Full face	Red	Max - low	NRUV BVU	variable speed	Other	80	2.54	2.16	1019	2.0	0	317	65.2	-	-	-	61
			Red	Min - low	NRUV BVU	variable speed	Other	85	0.50	0.12	173	0.4	0	40	67.2	-	-	-	39
			Red	Min - high	NRUV BVU	variable speed	Other	85	0.50	3.01	412	0.7	1175	57	67.2	-	-	-	72
35	1	Duct	Red	Min - low	NRUV BVU	variable speed	Other	82	2.20	2.73	913	1.8	400	278	67.2	-	-	-	61
			Blue	Max - high	NRUV BVU	variable speed	Other	82	2.23	5.55	1085	1.9	982	297	67.2	1	1	2760	67
			Red	Max - low	NRUV BVU	variable speed	Other	81	2.47	2.08	1029	1.9	0	321	67.2	-	-	-	60
		Full face	Red	Min - low	NRUV BVU	variable speed	Other	85	0.50	0.12	169	0.4	0	39	67.2	-	-	-	39
			Red	Min - high	NRUV BVU	variable speed	Other	85	0.50	3.01	402	0.7	1177	56	67.2	-	-	-	72
			Blue	Average	NRUV BVU	variable speed	Other	81	2.31	2.68	894	1.8	400	284	67.2	-	-	-	61
	2	Duct	Red	Max - high	NRUV BVU	variable speed	Other	81	2.31	5.62	1051	2.0	937	296	67.2	1	1	2880	67
			Red	Max - low	NRUV BVU	variable speed	Other	80	2.54	2.15	1019	2.0	0	317	67.2	-	-	-	60
			Red	Min - low	NRUV BVU	variable speed	Other	77	0.50	0.09	102	0.3	0	25	65.2	-	-	-	35
		Full face	Red	Min - high	NRUV BVU	variable speed	Other	77	0.50	2.62	263	0.6	1046	40	65.2	-	-	-	70
			Yellow	Average	NRUV BVU	variable speed	Other	85	2.50	2.45	998	1.5	350	185	65.2	-	-	-	61
			Blue	Max - high	NRUV BVU	variable speed	Other	82	3.63	4.17	1056	2.1	290	303	65.2	1	1	4610	67
40	1	Duct	Red	Max - low	NRUV BVU	variable speed	Other	82	3.46	3.00	1075	2.0	0	282	65.2	-	-	-	65
			Red	Min - low	NRUV BVU	variable speed	Other	77	0.50	0.09	100	0.3	0	24	65.2	-	-	-	35
			Red	Min - high	NRUV BVU	variable speed	Other	77	0.50	2.62	256	0.6	1047	39	65.2	-	-	-	70
		Full face	Yellow	Average	NRUV BVU	variable speed	Other	85	2.50	2.40	551	1.5	350	173	65.2	-	-	-	61
			Blue	Max - high	NRUV BVU	variable speed	Other	82	3.66	4.14	996	2.1	294	283	65.2	1	1	4700	67
			Red	Max - low	NRUV BVU	variable speed	Other	82	3.55	3.12	1066	2.0	0	271	65.2	-	-	-	66
	2	Duct	Red	Min - low	NRUV BVU	variable speed	Other	77	0.50	0.09	106	0.3	0	25	67.2	-	-	-	35
			Red	Min - high	NRUV BVU	variable speed	Other	77	0.50	3.16	265	0.6	1191	42	67.2	-	-	-	72
			Yellow	Average	NRUV BVU	variable speed	Other	85	2.50	2.53	602	1.5	450	188	67.2	-	-	-	62
		Full face	Blue	Max - high	NRUV BVU	variable speed	Other	82	3.66	5.21	1056	2.2	452	312	67.2	1	1	4630	68
			Red	Max - low	NRUV BVU	variable speed	Other	82	3.46	3.00	1075	2.0	0	282	67.2	-	-	-	65
			Red	Min - low	NRUV BVU	variable speed	Other	77	0.50	0.09	104	0.3	0	24	67.2	-	-	-	35
40	1	Duct	Red	Min - high	NRUV BVU	variable speed	Other	77	0.50	3.16	277	0.6	1182	41	67.2	-	-	-	72
			Yellow	Average	NRUV BVU	variable speed	Other	85	2.50	2.57	563	1.5	450	176	67.2	-	-	-	62
			Blue	Max - high	NRUV BVU	variable speed	Other	81	3.60	5.09	1043	2.2	401	301	67.2	1	1	4980	68
		Full face	Red	Max - low	NRUV BVU	variable speed	Other	82	3.55	3.12	1067	2.0	0	270	67.2	-	-	-	66
			Red	Min - low	NRUV BVU	variable speed	Other	84	0.75	0.16	155	0.4	0	39	70.5	-	-	-	41
			Red	Min - high	NRUV BVU	variable speed	Other	84	0.75	3.94	300	0.7	1065	56	70.5	-	-	-	72
	2	Duct	Yellow	Average	NRUV BVU	variable speed	Other	85	2.70	2.23	641	1.6	250	201	70.5	-	-	-	59
			Blue	Max - high	NRUV BVU	variable speed	Other	82	3.55	7.25	1066	2.2	761	308	70.5	1	1	4790	67
			Red	Max - low	NRUV BVU	variable speed	Other	81	3.83	3.23	1042	2.2	0	327	70.5	-	-	-	63
		Full face	Red	Min - low	NRUV BVU	variable speed	Other	84	0.75	0.16	151	0.4	0	38	70.5	-	-	-	41
			Red	Min - high	NRUV BVU	variable speed	Other	84	0.75	3.94	377	0.7	1067	54	70.5	-	-	-	72
			Yellow	Average	NRUV BVU	variable speed	Other	85	2.70	2.17	596	1.6	250	188	70.5	-	-	-	58
40	1	Duct	Blue	Max - high	NRUV BVU	variable speed	Other	81	3.77	7.30	1047	2.3	725	307	70.5	1	1	5180	67
			Red	Max - low	NRUV BVU	variable speed	Other	81	3.99	3.40	1027	2.3	0	320	70.5	-	-	-	63
			Red	Min - low	NRUV BVU	variable speed	Other	84	0.75	0.18	171	0.4	0	39	69.2	-	-	-	41
		Full face	Red	Min - high	NRUV BVU	variable speed	Other	84	0.75	5.25	418	0.7	1378	59	69.2	-	-	-	75
			Yellow	Average	NRUV BVU	variable speed	Other	83	3.30	3.63	853	1.9	350	289	69.2	-	-	-	62
			Blue	Max - high	NRUV BVU	variable speed	Other	82	3.47	9.72	1074	2.2	1136	307	69.2	1	1	4810	70
	2	Duct	Red	Max - low	NRUV BVU	variable speed	Other	81	3.83	3.23	1040	2.2	0	328	69.2	-	-	-	63
			Red	Min - low	NRUV BVU	variable speed	Other	84	0.75	0.18	166	0.4	0	38	69.2	-	-	-	41
			Red	Min - high	NRUV BVU	variable speed	Other	84	0.75	5.25	404	0.7	1380	57	69.2	-	-	-	75
		Full face	Yellow	Average	NRUV BVU	variable speed	Other	83	3.30	3.51	787	1.9	350	249	69.2	-	-	-	62
			Blue	Max - high	NRUV BVU	variable speed	Other	81	3.70	9.90	1053	2.3	1107	307	69.2	1	1	5200	70
			Red	Max - low	NRUV BVU	variable speed	Other	81	4.00	3.40	1026	2.3	0	320	69.2	-	-	-	63

RX

Air handling unit		Working point		Part of information requirements for NRVC according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vert. comp.	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, L _{WA}	
								%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	%	kWh/Year	dB(A)	
50	1	Duct	Red	Min - low	NRVC BVU	variable speed	Other	83	0.75	0.14	109	0.3	0	28	66.7	-	-	-	-	38
			Red	Min - high	NRVC BVU	variable speed	Other	83	0.75	4.03	297	0.5	1076	44	66.7	-	-	-	-	72
			Yellow	Average	NRVC BVU	variable speed	Other	85	3.10	2.96	539	1.3	350	170	66.7	-	-	-	-	61
		Full face	Blue	Max - high	NRVC BVU	variable speed	Other	81	4.88	6.86	1044	2.0	456	316	66.7	1	1	6000	68	
			Red	Max - low	NRVC BVU	variable speed	Other	81	4.81	4.12	1050	1.9	0	304	66.7	-	-	-	-	66
			Red	Min - low	NRVC BVU	variable speed	Other	83	0.75	0.14	108	0.3	0	28	66.7	-	-	-	-	38
	2	Duct	Red	Min - high	NRVC BVU	variable speed	Other	83	0.75	4.03	291	0.5	1076	43	66.7	-	-	-	-	72
			Yellow	Average	NRVC BVU	variable speed	Other	85	3.10	2.90	511	1.3	350	161	66.7	-	-	-	-	61
			Blue	Max - high	NRVC BVU	variable speed	Other	81	5.00	6.77	1013	2.0	435	305	66.7	1	1	6330	68	
		Full face	Red	Max - low	NRVC BVU	variable speed	Other	81	4.94	4.26	1040	2.0	0	296	66.7	-	-	-	-	67
			Red	Min - low	NRVC BVU	variable speed	Other	83	0.75	0.15	120	0.3	0	28	65.7	-	-	-	-	38
			Red	Min - high	NRVC BVU	variable speed	Other	83	0.75	5.38	318	0.6	1389	46	65.7	-	-	-	-	75
60	1	Duct	Red	Min - high	NRVC BVU	variable speed	Other	85	3.30	3.81	593	1.4	450	187	65.7	-	-	-	-	63
			Blue	Max - high	NRVC BVU	variable speed	Other	81	4.89	9.98	1043	2.1	837	328	65.7	1	1	6110	70	
			Red	Max - low	NRVC BVU	variable speed	Other	81	4.81	4.09	1049	1.9	0	303	65.7	-	-	-	-	66
		Full face	Red	Min - low	NRVC BVU	variable speed	Other	83	0.75	0.15	118	0.3	0	28	65.7	-	-	-	-	38
			Red	Min - high	NRVC BVU	variable speed	Other	83	0.75	5.37	310	0.6	1390	45	65.7	-	-	-	-	75
			Yellow	Average	NRVC BVU	variable speed	Other	85	3.30	3.75	562	1.4	450	177	65.7	-	-	-	-	62
	2	Duct	Blue	Max - high	NRVC BVU	variable speed	Other	81	5.00	9.92	1005	2.1	819	314	65.7	1	1	6290	70	
			Red	Max - low	NRVC BVU	variable speed	Other	81	4.94	4.25	1040	2.0	0	296	65.7	-	-	-	-	67
			Red	Min - low	NRVC BVU	variable speed	Other	84	1.00	0.23	163	0.4	0	40	65.2	-	-	-	-	43
		Full face	Red	Min - high	NRVC BVU	variable speed	Other	84	1.00	5.02	372	0.6	1034	53	65.2	-	-	-	-	73
			Yellow	Average	NRVC BVU	variable speed	Other	82	4.50	4.55	839	1.8	300	282	65.2	-	-	-	-	63
			Blue	Max - high	NRVC BVU	variable speed	Other	81	4.91	9.45	1042	2.0	720	305	65.2	1	1	6570	68	
70	1	Duct	Red	Max - low	NRVC BVU	variable speed	Other	80	5.19	4.41	1022	2.1	0	317	65.2	-	-	-	-	64
			Red	Min - low	NRVC BVU	variable speed	Other	84	1.00	0.27	197	0.4	0	40	67.4	-	-	-	-	43
			Red	Min - high	NRVC BVU	variable speed	Other	84	1.00	7.73	463	0.7	1421	59	67.4	-	-	-	-	77
		Full face	Yellow	Average	NRVC BVU	variable speed	Other	82	4.50	5.46	900	1.8	400	281	67.4	-	-	-	-	64
			Blue	Max - high	NRVC BVU	variable speed	Other	82	4.50	13.41	1071	2.0	1195	298	67.4	1	1	6290	72	
			Red	Max - low	NRVC BVU	variable speed	Other	81	5.00	4.22	1036	2.0	0	320	67.4	-	-	-	-	63
	2	Duct	Red	Min - low	NRVC BVU	variable speed	Other	84	1.00	0.27	192	0.4	0	39	67.4	-	-	-	-	43
			Red	Min - high	NRVC BVU	variable speed	Other	84	1.00	7.73	441	0.7	1422	57	67.4	-	-	-	-	77
			Yellow	Average	NRVC BVU	variable speed	Other	82	4.50	5.33	845	1.8	400	284	67.4	-	-	-	-	64
		Full face	Blue	Max - high	NRVC BVU	variable speed	Other	82	4.75	13.72	1054	2.1	1189	301	67.4	1	1	6900	72	
			Red	Max - low	NRVC BVU	variable speed	Other	81	5.16	4.39	1024	2.0	0	315	67.4	-	-	-	-	64
			Red	Min - low	NRVC BVU	variable speed	Other	83	1.00	0.18	110	0.3	0	28	65.2	-	-	-	-	39
70	1	Duct	Red	Min - high	NRVC BVU	variable speed	Other	83	1.00	5.15	285	0.6	1041	42	65.2	-	-	-	-	73
			Yellow	Average	NRVC BVU	variable speed	Other	85	4.80	4.77	830	1.7	350	198	65.2	-	-	-	-	63
			Blue	Max - high	NRVC BVU	variable speed	Other	81	6.78	8.78	1045	2.3	398	316	65.2	1	1	8550	69	
		Full face	Red	Max - low	NRVC BVU	variable speed	Other	81	6.59	5.65	1052	2.3	0	302	65.2	-	-	-	-	68
			Red	Min - low	NRVC BVU	variable speed	Other	83	1.00	0.18	108	0.3	0	28	65.2	-	-	-	-	39
			Red	Min - high	NRVC BVU	variable speed	Other	83	1.00	5.15	279	0.6	1042	41	65.2	-	-	-	-	73
	2	Duct	Yellow	Average	NRVC BVU	variable speed	Other	85	4.80	4.69	598	1.7	350	188	65.2	-	-	-	-	63
			Blue	Max - high	NRVC BVU	variable speed	Other	81	6.58	8.59	1032	2.4	360	309	65.2	1	1	9050	69	
			Red	Max - low	NRVC BVU	variable speed	Other	81	6.77	5.84	1043	2.3	0	294	65.2	-	-	-	-	68
		Full face	Red	Min - low	NRVC BVU	variable speed	Other	83	1.00	0.23	139	0.3	0	28	67.4	-	-	-	-	39
			Red	Min - high	NRVC BVU	variable speed	Other	83	1.00	7.91	335	0.7	1429	45	67.4	-	-	-	-	77
			Yellow	Average	NRVC BVU	variable speed	Other	84	5.20	6.27	708	1.9	450	222	67.4	-	-	-	-	65
70	1	Duct	Blue	Max - high	NRVC BVU	variable speed	Other	82	6.55	14.92	1054	2.4	926	315	67.4	1	1	8990	71	
			Red	Max - low	NRVC BVU	variable speed	Other	82	6.52	5.59	1055	2.2	0	297	67.4	-	-	-	-	67
			Red	Min - low	NRVC BVU	variable speed	Other	83	1.00	0.23	137	0.3	0	28	67.4	-	-	-	-	39
		Full face	Red	Min - high	NRVC BVU	variable speed	Other	83	1.00	7.91	327	0.7	1430	44	67.4	-	-	-	-	77
			Yellow	Average	NRVC BVU	variable speed	Other	84	5.20	6.17	670	1.9	450	210	67.4	-	-	-	-	65
			Blue	Max - high	NRVC BVU	variable speed	Other	81	6.51	14.85	1040	2.5	879	310	67.4	1	1	9110	71	
	2	Duct	Red	Max - low	NRVC BVU	variable speed	Other	81	6.70	5.79	1046	2.3	0	289	67.4	-	-	-	-	68
			Red	Min - low	NRVC BVU	variable speed	Other	81	6.70	5.79	1046	2.3	0	289	67.4	-	-	-	-	68
			Red	Min - high	NRVC BVU	variable speed	Other	81	6.70	5.79	1046	2.3	0	289	67.4	-	-	-	-	68

RX

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014

Air handling unit	Motor option	In and outlet connections	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency %	Nominal flow rate m³/s	Effective electric power kW	SPint W/(m²/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vert. comp. Pa	Overall fan efficiency (EU) No 327/2011 %	Maximum external leakage rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level, LwA dB(A)
			Colour	Remark															
80	1	Duct	Red	Min - low	NRUV, BVU	variable speed	Other	85	1.50	0.35	176	0.5	0	44	89.2	-	-	-	46
			Red	Min - high	NRUV, BVU	variable speed	Other	85	1.50	7.87	429	0.8	1088	60	89.2	-	-	-	75
			Yellow	Average	NRUV, BVU	variable speed	Other	82	6.20	6.39	886	2.1	300	278	89.2	-	-	-	64
		Full face	Blue	Max - high	NRUV, BVU	variable speed	Other	82	6.39	13.76	1063	2.3	811	304	89.2	1	1	8940	70
			Red	Max - low	NRUV, BVU	variable speed	Other	81	6.39	5.86	1033	2.4	0	326	89.2	-	-	-	64
			Red	Min - low	NRUV, BVU	variable speed	Other	85	1.50	0.35	172	0.5	0	43	89.2	-	-	-	46
	2	Duct	Red	Min - high	NRUV, BVU	variable speed	Other	85	1.50	7.87	417	0.8	1089	58	89.2	-	-	-	75
			Yellow	Average	NRUV, BVU	variable speed	Other	82	6.20	6.21	832	2.1	300	281	89.2	-	-	-	64
			Blue	Max - high	NRUV, BVU	variable speed	Other	81	6.71	13.59	1045	2.4	800	304	89.2	1	1	9520	70
		Full face	Red	Max - low	NRUV, BVU	variable speed	Other	80	7.20	6.11	1021	2.5	0	321	89.2	-	-	-	65
			Red	Min - low	NRUV, BVU	variable speed	Other	85	1.50	0.41	207	0.5	0	44	89.2	-	-	-	46
			Red	Min - high	NRUV, BVU	variable speed	Other	85	1.50	10.66	461	0.8	1389	62	88.5	-	-	-	78
100	1	Duct	Red	Min - high	NRUV, BVU	variable speed	Other	85	6.50	8.19	976	2.3	400	301	88.5	-	-	-	66
			Yellow	Average	NRUV, BVU	variable speed	Other	82	6.19	17.75	1074	2.3	1134	256	88.5	1	1	8890	74
			Blue	Max - high	NRUV, BVU	variable speed	Other	81	6.87	5.83	1038	2.4	0	320	88.5	-	-	-	64
		Full face	Red	Max - low	NRUV, BVU	variable speed	Other	85	1.50	0.41	202	0.5	0	43	88.5	-	-	-	46
			Red	Min - low	NRUV, BVU	variable speed	Other	85	1.50	10.66	448	0.8	1390	61	88.5	-	-	-	78
			Yellow	Average	NRUV, BVU	variable speed	Other	82	6.50	7.98	915	2.3	400	282	88.5	-	-	-	66
	2	Duct	Blue	Max - high	NRUV, BVU	variable speed	Other	82	6.53	18.24	1056	2.4	1134	259	88.5	1	1	9430	74
			Red	Max - low	NRUV, BVU	variable speed	Other	81	7.10	6.07	1027	2.4	0	315	88.5	-	-	-	64
			Red	Min - low	NRUV, BVU	variable speed	Other	80	1.50	0.24	92	0.3	0	26	89.2	-	-	-	40
		Full face	Red	Min - high	NRUV, BVU	variable speed	Other	80	1.50	8.11	272	0.6	1080	40	89.2	-	-	-	75
			Yellow	Average	NRUV, BVU	variable speed	Other	85	7.00	6.65	549	1.6	350	173	89.2	-	-	-	65
			Blue	Max - high	NRUV, BVU	variable speed	Other	81	10.71	13.16	1052	2.3	345	307	89.2	1	1	14000	72
120	1	Duct	Red	Max - low	NRUV, BVU	variable speed	Other	82	10.52	9.17	1056	2.3	0	279	89.2	-	-	-	71
			Red	Min - low	NRUV, BVU	variable speed	Other	80	1.50	0.31	117	0.3	0	26	88.5	-	-	-	40
			Red	Min - high	NRUV, BVU	variable speed	Other	80	1.50	11.02	295	0.6	1399	42	88.5	-	-	-	78
		Full face	Yellow	Average	NRUV, BVU	variable speed	Other	85	7.50	8.78	596	1.7	450	163	89.2	-	-	-	67
			Blue	Max - high	NRUV, BVU	variable speed	Other	81	11.00	19.96	1019	2.4	694	307	88.5	1	1	14600	74
			Red	Max - low	NRUV, BVU	variable speed	Other	82	10.52	9.19	1057	2.3	0	279	88.5	-	-	-	71
	2	Duct	Red	Min - low	NRUV, BVU	variable speed	Other	85	2.50	0.61	186	0.5	0	46	89.2	-	-	-	48
			Red	Min - high	NRUV, BVU	variable speed	Other	85	2.50	11.85	410	0.8	1030	61	89.2	-	-	-	77
			Yellow	Average	NRUV, BVU	variable speed	Other	82	10.00	10.74	926	2.2	300	278	89.2	-	-	-	67
		Full face	Blue	Max - high	NRUV, BVU	variable speed	Other	82	10.10	20.91	1070	2.3	738	284	89.2	1	1	14700	72
			Red	Max - low	NRUV, BVU	variable speed	Other	81	10.69	9.30	1046	2.3	0	313	89.2	-	-	-	67
			Red	Min - low	NRUV, BVU	variable speed	Other	85	2.50	0.80	181	0.5	0	45	89.2	-	-	-	48
140	1	Duct	Red	Min - high	NRUV, BVU	variable speed	Other	85	2.50	11.84	389	0.8	1031	59	89.2	-	-	-	77
			Yellow	Average	NRUV, BVU	variable speed	Other	82	10.00	10.44	870	2.2	300	282	89.2	-	-	-	67
			Blue	Max - high	NRUV, BVU	variable speed	Other	81	10.71	21.31	1051	2.4	731	288	89.2	1	1	15400	72
		Full face	Red	Max - low	NRUV, BVU	variable speed	Other	81	11.25	9.86	1033	2.4	0	307	89.2	-	-	-	67
			Red	Min - low	NRUV, BVU	variable speed	Other	85	2.50	0.70	216	0.5	0	46	88.5	-	-	-	48
			Red	Min - high	NRUV, BVU	variable speed	Other	85	2.50	16.34	466	0.8	1336	63	88.5	-	-	-	80
	2	Duct	Yellow	Average	NRUV, BVU	variable speed	Other	82	10.00	12.93	951	2.2	400	292	88.5	-	-	-	68
			Blue	Max - high	NRUV, BVU	variable speed	Other	83	9.88	27.00	1087	2.2	1028	278	88.5	1	1	14800	76
			Red	Max - low	NRUV, BVU	variable speed	Other	82	10.60	9.15	1055	2.3	0	301	88.5	-	-	-	68
		Full face	Red	Min - low	NRUV, BVU	variable speed	Other	85	2.50	0.69	211	0.5	0	45	88.5	-	-	-	48
			Red	Min - high	NRUV, BVU	variable speed	Other	85	2.50	16.33	443	0.8	1337	62	88.5	-	-	-	80
			Yellow	Average	NRUV, BVU	variable speed	Other	82	10.00	12.63	904	2.2	400	295	88.5	-	-	-	68

RX Top

Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																			
Inspection side	Size	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA	
		Colour	Remark																
Right	04	Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.08	0.04	332	0.3	0	29	64.8	-	-	-	34	
		Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.08	0.33	415	0.6	586	46	64.8	-	-	-	59	
		Yellow	Average	NRVU, BVU	variable speed	Other	86	0.30	0.33	755	1.3	250	175	64.8	-	-	-	47	
		Blue	Max. - high	NRVU, BVU	variable speed	Other	83	0.45	0.54	1188	1.8	250	305	64.8	1	1	757	51	
	Red	Max. - low	NRVU, BVU	variable speed	Other	83	0.45	0.43	1195	1.8	0	305	64.8	-	-	-	-	50	
	Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.08	0.04	332	0.3	0	29	65.5	-	-	-	-	34	
	Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.08	0.57	500	0.7	953	53	65.5	-	-	-	-	64	
	Yellow	Average	NRVU, BVU	variable speed	Other	84	0.37	0.47	975	1.6	300	237	65.5	-	-	-	-	49	
	Blue	Max. - low	NRVU, BVU	variable speed	Other	83	0.45	1.00	1320	2.0	653	332	65.5	1	1	870	57		
	Red	Max. - high	NRVU, BVU	variable speed	Other	82	0.48	0.49	1297	2.0	0	339	65.4	-	-	-	-	51	
	Red	Min. - low	NRVU, BVU	variable speed	Other	75	0.11	0.03	165	0.3	0	25	63.8	-	-	-	-	26	
	Red	Min. - high	NRVU, BVU	variable speed	Other	75	0.11	0.59	333	0.6	921	46	63.8	-	-	-	-	64	
Right	07	Yellow	Average	NRVU, BVU	variable speed	Other	86	0.44	0.47	582	1.2	350	167	63.8	-	-	-	-	51
		Blue	Max. - low	NRVU, BVU	variable speed	Other	83	0.72	0.87	1159	1.8	286	327	63.8	1	1	1400	59	
		Red	Max. - high	NRVU, BVU	variable speed	Other	83	0.72	0.69	1219	1.8	0	327	63.8	-	-	-	-	59
		Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.20	0.07	280	0.5	0	51	65.4	-	-	-	-	37
	08	Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.20	0.84	478	0.8	931	77	65.4	-	-	-	-	57
		Yellow	Average	NRVU, BVU	variable speed	Other	84	0.66	0.81	994	1.7	350	298	65.4	-	-	-	-	62
		Blue	Max. - high	NRVU, BVU	variable speed	Other	83	0.75	1.39	1278	2.0	599	370	65.4	1	1	1680	82	
		Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.78	0.78	1254	2.0	0	380	65.4	-	-	-	-	57
	11	Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.20	0.06	207	0.3	0	35	65.4	-	-	-	-	33
		Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.20	0.87	362	0.6	907	57	65.4	-	-	-	-	67
		Yellow	Average	NRVU, BVU	variable speed	Other	86	0.70	0.76	697	1.2	350	208	65.4	-	-	-	-	57
		Blue	Max. - high	NRVU, BVU	variable speed	Other	83	1.03	1.24	1238	1.6	272	362	65.4	1	1	2400	63	
Left	04	Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.00	0.96	1261	1.6	0	345	65.4	-	-	-	-	61
		Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	187	0.3	0	35	66.8	-	-	-	-	40
		Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.20	0.99	418	0.6	901	57	66.8	-	-	-	-	68
		Yellow	Average	NRVU, BVU	variable speed	Other	84	0.90	0.98	957	1.5	300	297	66.8	-	-	-	-	58
	05	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	1.02	1.79	1254	1.7	565	374	66.8	1	1	2550	63	
		Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.09	1.01	1223	1.7	0	394	66.8	-	-	-	-	58
		Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.08	0.04	333	0.3	0	29	64.8	-	-	-	-	36
		Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.08	0.33	410	0.5	586	45	64.8	-	-	-	-	59
	04	Yellow	Average	NRVU, BVU	variable speed	Other	86	0.30	0.33	753	1.2	250	175	64.8	-	-	-	-	47
		Blue	Max. - high	NRVU, BVU	variable speed	Other	83	0.45	0.54	1206	1.7	239	312	64.8	1	1	690	52	
		Red	Max. - low	NRVU, BVU	variable speed	Other	83	0.45	0.43	1212	1.7	0	309	64.8	-	-	-	-	51
		Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.08	0.04	333	0.3	0	29	65.5	-	-	-	-	36
05	Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.08	0.57	493	0.6	952	52	65.5	-	-	-	-	64	
	Yellow	Average	NRVU, BVU	variable speed	Other	84	0.37	0.47	975	1.4	300	238	65.5	-	-	-	-	50	
	Blue	Max. - low	NRVU, BVU	variable speed	Other	83	0.45	1.00	1319	1.7	659	334	65.5	1	1	772	56		
	Red	Max. - high	NRVU, BVU	variable speed	Other	82	0.47	0.47	1299	1.8	0	334	65.5	-	-	-	-	52	
07	Red	Min. - low	NRVU, BVU	variable speed	Other	75	0.11	0.03	165	0.3	0	25	63.8	-	-	-	-	26	
	Red	Min. - high	NRVU, BVU	variable speed	Other	75	0.11	0.59	322	0.5	924	45	63.8	-	-	-	-	64	
	Yellow	Average	NRVU, BVU	variable speed	Other	86	0.44	0.47	579	1.1	350	166	63.8	-	-	-	-	52	
	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	0.74	0.84	1242	1.8	219	344	63.8	1	1	1290	61		
08	Red	Max. - low	NRVU, BVU	variable speed	Other	83	0.73	0.69	1287	1.8	0	336	63.8	-	-	-	-	60	
	Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.20	0.06	258	0.5	0	51	65.4	-	-	-	-	39	
	Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.20	0.84	462	0.7	931	75	65.4	-	-	-	-	68	
	Yellow	Average	NRVU, BVU	variable speed	Other	84	0.66	0.81	994	1.6	350	298	65.4	-	-	-	-	58	
11	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	0.75	1.39	1275	1.8	591	371	65.4	1	1	1400	61		
	Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.79	0.71	1255	1.9	0	381	65.4	-	-	-	-	58	
	Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	207	0.3	0	35	65.4	-	-	-	-	35	
	Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.20	0.88	358	0.6	904	56	65.4	-	-	-	-	66	
12	Yellow	Average	NRVU, BVU	variable speed	Other	86	0.70	0.76	695	1.2	350	208	65.4	-	-	-	-	58	
	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	1.03	1.25	1248	1.6	271	363	65.4	1	1	2210	63		
	Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.00	0.93	1262	1.6	0	344	65.4	-	-	-	-	62	
	Red	Min. - low	NRVU, BVU	variable speed	Other	83	0.20	0.06	193	0.3	0	35	66.8	-	-	-	-	42	
12	Red	Min. - high	NRVU, BVU	variable speed	Other	83	0.20	0.98	409	0.6	903	56	66.8	-	-	-	-	69	
	Yellow	Average	NRVU, BVU	variable speed	Other	84	0.90	0.98	956	1.5	300	298	66.8	-	-	-	-	58	
	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	1.02	1.79	1253	1.7	565	375	66.8	1	1	2360	63		
	Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.09	0.97	1225	1.7	0	392	66.8	-	-	-	-	59	

PX, MTE

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRVU

Datum: 2018.09.17

Size	Motor option	In and outlet connections	Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
			Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop	Overall fan efficiency (EU) No 1253/2014	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA		
			%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	%	%	%	%	%	%	%	%	%	
04	Not applicable	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.03	249	0.3	0	26	64.8	-	-	-	-	36	
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.27	257	0.3	591	26	64.8	-	-	-	-	62	
			Yellow	Average	NRVU, BVU	variable speed	Other	84	0.30	0.26	528	1.0	250	143	64.8	-	-	-	-	49	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	0.45	0.49	928	1.4	299	262	64.8	5	4	508	53		
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.45	0.25	947	1.4	0	262	64.8	-	-	-	-	49	
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.03	239	0.3	0	25	64.8	-	-	-	-	35	
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.27	247	0.3	592	25	64.8	-	-	-	-	62	
			Yellow	Average	NRVU, BVU	variable speed	Other	84	0.30	0.25	506	1.0	250	129	64.8	-	-	-	-	49	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	0.45	0.49	815	1.4	331	230	64.8	5	4	508	53		
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.45	0.23	846	1.4	0	230	64.8	-	-	-	-	49	
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.03	249	0.3	0	26	65.5	-	-	-	-	36	
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.47	293	0.3	952	26	65.5	-	-	-	-	67	
05	1	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	83	0.35	0.35	676	1.1	300	179	65.5	-	-	-	-	51	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	80	0.53	0.35	1236	1.7	596	343	65.5	1	1	685	58		
			Red	Max. - low	NRVU, BVU	variable speed	Other	80	0.54	0.38	1235	1.7	0	347	65.5	-	-	-	-	53	
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.03	239	0.3	0	25	65.5	-	-	-	-	35	
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.47	282	0.3	953	25	65.5	-	-	-	-	67	
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.35	0.34	601	1.1	300	160	65.5	-	-	-	-	50	
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	80	0.59	0.94	1213	1.9	520	345	65.5	1	1	784	58		
			Red	Max. - low	NRVU, BVU	variable speed	Other	80	0.58	0.40	1216	1.9	0	335	65.5	-	-	-	-	54	
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.04	296	0.3	0	26	63.5	-	-	-	-	36	
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.64	332	0.3	1149	26	63.5	-	-	-	-	68	
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.35	0.45	732	0.3	400	179	63.5	-	-	-	-	54	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	0.51	1.24	1250	1.6	872	317	63.5	1	1	690	61		
06	2	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	80	0.52	0.37	1243	1.7	0	330	63.5	-	-	-	-	52	
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.08	0.04	285	0.3	0	25	63.5	-	-	-	-	35	
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.08	0.64	319	0.3	1150	25	63.5	-	-	-	-	68	
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.35	0.43	650	1.1	400	160	63.5	-	-	-	-	53	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	80	0.56	1.27	1221	1.8	821	322	63.5	1	1	786	60		
			Red	Max. - low	NRVU, BVU	variable speed	Other	80	0.56	0.39	1228	1.8	0	318	63.5	-	-	-	-	54	
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.08	0.03	161	0.2	0	17	65.5	-	-	-	-	32	
			Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.08	0.47	191	0.2	961	17	65.5	-	-	-	-	67	
			Yellow	Average	NRVU, BVU	variable speed	Other	85	0.45	0.44	532	1.0	350	151	65.5	-	-	-	-	52	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	0.75	0.87	1192	1.6	261	329	65.5	1	1	908	60		
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.73	0.53	1265	1.6	0	315	65.5	-	-	-	-	59	
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.08	0.03	155	0.2	0	16	65.5	-	-	-	-	31	
07	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.08	0.47	185	0.2	961	16	65.5	-	-	-	-	67	
			Yellow	Average	NRVU, BVU	variable speed	Other	85	0.45	0.42	468	1.0	350	133	65.5	-	-	-	-	52	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	0.75	0.87	1013	1.6	310	279	65.5	7	5	908	60		
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.75	0.51	1162	1.6	0	279	65.5	-	-	-	-	60	
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.08	0.03	197	0.2	0	17	63.5	-	-	-	-	32	
			Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.08	0.64	217	0.2	1158	17	63.5	-	-	-	-	68	
		Full face	Yellow	Average	NRVU, BVU	variable speed	Other	85	0.45	0.55	567	1.0	450	151	63.5	-	-	-	-	53	
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	0.75	1.24	1191	1.6	532	329	63.5	1	1	908	61		
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.69	0.52	1280	1.5	0	289	63.5	-	-	-	-	58	
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.08	0.03	190	0.2	0	16	63.5	-	-	-	-	31	
			Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.08	0.64	209	0.2	1158	16	63.5	-	-	-	-	68	
			Yellow	Average	NRVU, BVU	variable speed	Other	85	0.45	0.54	499	1.0	450	133	63.5	-	-	-	-	53	
2		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	0.75	1.24	1012	1.6	581	279	63.5	1	1	908	61		
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.73	0.55	1264	1.6	0	268	63.5	-	-	-	-	59	

PX, MTE

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No. 1253/2014															
Size	Motor option	In and outlet connection s	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate m³/s	Effective electric power kW	SFPint W/(m³/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vent. comp. Pa	Overall fan efficiency (EU) No. 1253/2014 %	Maximum external leaking rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level, LWA
08	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.20	0.05	257	0.4	0	49	65.4	-	-	-	32
			Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.20	0.76	359	0.4	943	49	65.4	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.62	0.65	864	1.3	300	244	65.4	-	-	-	54
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	0.78	1.37	1245	1.7	587	348	65.4	1	1	953	59
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.78	0.56	1245	1.7	0	352	65.4	-	-	-	55
			Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.20	0.05	241	0.4	0	46	65.4	-	-	-	32
	2	Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.20	0.76	333	0.4	946	46	65.4	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.62	0.61	741	1.3	300	210	65.4	-	-	-	53
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	0.87	1.38	1214	1.9	514	348	65.4	1	1	1110	59
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.85	0.59	1222	1.8	0	337	65.4	-	-	-	56
			Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.20	0.05	261	0.4	0	49	67.4	-	-	-	32
			Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.20	0.99	390	0.4	1149	49	67.4	-	-	-	71
11	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	83	0.64	0.74	780	1.4	400	220	67.4	-	-	-	55	
		Blue	Max. - high	NRVU, BVU	variable speed	Other	81	0.87	1.76	1215	1.9	767	352	67.4	1	1	1110	61	
		Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.87	0.60	1214	1.9	0	349	67.4	-	-	-	57	
		Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	191	0.3	0	35	65.4	-	-	-	30	
		Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	0.76	257	0.3	957	35	65.4	-	-	-	69	
		Yellow	Average	NRVU, BVU	variable speed	Other	85	0.72	0.73	666	1.1	350	191	65.4	-	-	-	55	
	1	Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.07	1.29	1223	1.6	285	345	65.4	1	1	1410	61
			Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.01	0.73	1240	1.5	0	316	65.4	-	-	-	60
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	182	0.3	0	33	65.4	-	-	-	30
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	0.76	243	0.3	959	33	65.4	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Other	85	0.72	0.70	575	1.1	350	167	65.4	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.10	1.26	1114	1.6	274	307	65.4	1	1	1530	62
12	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	82	1.07	0.76	1223	1.6	0	265	65.4	-	-	-	61	
		Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	183	0.3	0	35	67.4	-	-	-	30	
		Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	0.99	279	0.3	1163	35	67.4	-	-	-	71	
		Yellow	Average	NRVU, BVU	variable speed	Other	84	0.75	0.89	678	1.1	450	202	67.4	-	-	-	56	
		Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.10	1.70	1213	1.6	509	361	67.4	1	1	1410	62	
		Red	Max. - low	NRVU, BVU	variable speed	Other	83	1.02	0.73	1234	1.5	0	324	67.4	-	-	-	60	
	2	Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	185	0.3	0	33	67.4	-	-	-	30
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	0.99	264	0.3	1165	33	67.4	-	-	-	71
			Yellow	Average	NRVU, BVU	variable speed	Other	84	0.75	0.85	591	1.1	450	176	67.4	-	-	-	56
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.10	1.69	1033	1.6	558	307	67.4	1	1	1420	62
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	1.09	0.77	1216	1.6	0	302	67.4	-	-	-	61
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	199	0.3	0	35	66.8	-	-	-	39
12	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	0.91	321	0.3	911	35	66.8	-	-	-	69	
		Yellow	Average	NRVU, BVU	variable speed	Other	83	0.90	0.93	886	1.3	300	266	66.8	-	-	-	56	
		Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.09	1.77	1215	1.6	547	359	66.8	1	1	1410	61	
		Red	Max. - low	NRVU, BVU	variable speed	Other	82	1.13	0.77	1205	1.7	0	380	66.8	-	-	-	56	
		Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	225	0.3	0	35	66.0	-	-	-	39	
		Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	1.23	354	0.3	1137	35	66.0	-	-	-	72	
	1	Full face	Yellow	Average	NRVU, BVU	variable speed	Other	83	0.95	1.09	965	1.4	350	289	66.0	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.07	2.34	1222	1.6	845	346	66.0	1	1	1410	64
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	1.13	0.77	1203	1.7	0	379	66.0	-	-	-	56
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.20	0.05	213	0.3	0	33	66.0	-	-	-	38
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.20	1.23	336	0.3	1139	33	66.0	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	83	0.95	1.02	822	1.4	350	248	66.0	-	-	-	57
2	Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.20	2.41	1184	1.8	785	349	66.0	1	1	1660	63	
		Red	Max. - low	NRVU, BVU	variable speed	Other	82	1.24	0.83	1178	1.8	0	367	66.0	-	-	-	58	

PX, MTE

Part of information requirements for NRVU according to Regulation (EU) No. 1253/2014

Size	Motor option	Air Handling Unit	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPInt	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency (EU) No. 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA
			Colour	Remark															
14	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.20	0.04	98	0.2	0	17	66.8	-	-	-	31
			Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.20	0.91	154	0.2	928	17	66.8	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	85	1.05	0.90	428	1.2	350	134	66.8	-	-	-	57
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.65	1.54	864	1.9	247	256	66.8	5	4	2020	65
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.20	0.04	1046	1.9	0	256	66.8	-	-	-	65
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.20	0.04	97	0.2	0	17	66.8	-	-	-	31
	2	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.20	0.91	153	0.2	928	17	66.8	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	85	1.05	0.89	410	1.2	350	129	66.8	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.65	1.54	820	1.9	260	243	66.8	1	1	2020	65
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.20	0.04	1014	1.9	0	243	66.8	-	-	-	65
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.20	0.04	107	0.2	0	17	66.0	-	-	-	31
			Yellow	Average	NRVU, BVU	variable speed	Other	84	1.20	1.26	512	1.4	450	161	66.0	-	-	-	74
20	1	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.65	2.28	817	1.9	561	256	66.0	5	4	1910	65
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.20	0.04	1030	1.9	0	256	66.0	-	-	-	65
			Red	Min. - low	NRVU, BVU	variable speed	Other	92	0.20	0.04	106	0.2	0	17	66.0	-	-	-	31
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	92	0.20	1.23	169	0.2	1156	17	66.0	-	-	-	74
			Yellow	Average	NRVU, BVU	variable speed	Other	84	1.20	1.25	490	1.4	450	154	66.0	-	-	-	60
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	1.65	2.28	775	1.9	574	243	66.0	1	1	1910	65
	2	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.20	0.06	996	1.9	0	243	66.0	-	-	-	65
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.06	135	0.4	0	27	66.7	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.32	238	0.4	935	27	66.7	-	-	-	68
		Full face	Red	Average	NRVU, BVU	variable speed	Other	83	1.40	1.23	640	1.6	300	201	66.7	-	-	-	56
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	1.92	2.78	1042	2.2	523	323	66.7	1	1	2510	62
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.30	1.15	1047	2.2	0	317	66.7	-	-	-	59
25	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.06	133	0.4	0	27	66.7	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.32	235	0.4	935	27	66.7	-	-	-	68
			Yellow	Average	NRVU, BVU	variable speed	Other	83	1.40	1.20	609	1.6	300	192	66.7	-	-	-	56
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	81	1.98	2.76	1027	2.3	498	310	66.7	1	1	2640	62
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.30	1.17	1036	2.2	0	310	66.7	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.07	172	0.4	0	27	65.7	-	-	-	33
	2	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.79	262	0.4	1165	27	65.7	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	83	1.40	1.49	661	1.6	400	201	65.7	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	1.90	3.75	1048	2.2	832	319	65.7	1	1	2510	64
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.30	1.15	1052	2.2	0	313	65.7	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.07	169	0.4	0	27	65.7	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.79	258	0.4	1165	27	65.7	-	-	-	70
25	1	Duct	Red	Average	NRVU, BVU	variable speed	Other	83	1.40	1.47	628	1.6	400	192	65.7	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	81	1.97	3.77	1028	2.3	810	316	65.7	1	1	2640	64
			Red	Max. - low	NRVU, BVU	variable speed	Other	81	0.30	1.17	1041	2.2	0	306	65.7	-	-	-	59
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.05	88	0.2	0	18	66.7	-	-	-	30
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.32	159	0.2	944	18	66.7	-	-	-	68
			Yellow	Average	NRVU, BVU	variable speed	Other	85	1.50	1.27	428	1.1	350	136	66.7	-	-	-	57
	2	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.50	2.45	992	1.9	231	288	66.7	1	1	2870	65
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.30	1.55	1081	1.8	0	274	66.7	-	-	-	63
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.05	87	0.2	0	18	66.7	-	-	-	30
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.32	157	0.2	944	18	66.7	-	-	-	68
			Yellow	Average	NRVU, BVU	variable speed	Other	85	1.50	1.25	408	1.1	350	130	66.7	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.50	2.46	933	1.9	249	271	66.7	1	1	2860	65
25	1	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.30	1.58	1077	1.8	0	265	66.7	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.06	113	0.2	0	18	65.7	-	-	-	30
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.79	175	0.2	1174	18	65.7	-	-	-	70
		Full face	Yellow	Average	NRVU, BVU	variable speed	Other	85	1.60	1.66	476	1.2	450	149	65.7	-	-	-	59
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.50	3.58	926	1.9	553	288	65.7	1	1	2670	63
			Red	Max. - low	NRVU, BVU	variable speed	Other	83	2.41	1.54	1083	1.8	0	273	65.7	-	-	-	63
25	2	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.06	111	0.2	0	18	65.7	-	-	-	30
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.30	1.79	172	0.2	1174	18	65.7	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	85	1.60	1.64	453	1.2	450	142	65.7	-	-	-	58
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.50	3.58	871	1.9	570	271	65.7	1	1	2670	66
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	0.30	1.58	1082	1.8	0	265	65.7	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.30	0.06	113	0.2	0	18	65.7	-	-	-	30

PX, MTE

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No. 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency (EU) No. 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LwA	
																				%
30	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.09	139	0.4	0	33	65.2	-	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.29	269	0.4	1044	33	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	84	1.80	1.55	576	1.3	300	177	65.2	-	-	-	-	57
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.66	4.69	1066	2.0	682	318	65.2	1	1	3100	65	
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	2.69	1.65	1065	2.0	0	323	65.2	-	-	-	-	60
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.09	136	0.4	0	33	65.2	-	-	-	-	34
	2	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.29	264	0.4	1045	33	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	84	1.80	1.52	546	1.3	300	168	65.2	-	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.78	4.69	1060	2.1	648	319	65.2	1	1	3290	65	
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	82	2.77	1.70	1062	2.1	0	318	65.2	-	-	-	-	60
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.09	145	0.4	0	33	67.2	-	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.74	286	0.4	1189	33	67.2	-	-	-	-	72
35	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	84	1.90	2.04	640	1.4	400	191	67.2	-	-	-	-	59
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	2.60	5.67	1070	1.9	893	306	67.2	1	1	3100	66	
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	2.69	1.65	1068	2.0	0	323	67.2	-	-	-	-	60
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.09	142	0.4	0	33	67.2	-	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.74	280	0.4	1190	33	67.2	-	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	84	1.80	2.01	606	1.4	400	181	67.2	-	-	-	-	59
	2	Duct	Red	Max. - high	NRVU, BVU	variable speed	Other	82	2.72	5.73	1065	2.0	863	306	67.2	1	1	3300	66	
			Blue	Max. - low	NRVU, BVU	variable speed	Other	82	2.76	1.70	1062	2.1	0	316	67.2	-	-	-	-	60
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.50	0.08	95	0.3	0	23	65.2	-	-	-	-	32
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.50	2.29	182	0.3	1054	23	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	86	1.80	1.31	337	1.0	300	105	65.2	-	-	-	-	56
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	3.62	4.09	1082	2.1	246	302	65.2	1	1	5110	67	
40	1	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	83	3.44	2.26	1098	1.9	0	258	65.2	-	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.50	0.08	98	0.3	0	23	67.2	-	-	-	-	32
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.50	2.74	197	0.3	1199	23	67.2	-	-	-	-	72
		Full face	Yellow	Average	NRVU, BVU	variable speed	Other	86	1.80	1.78	392	1.0	400	119	67.2	-	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	83	3.78	5.22	1083	2.1	449	322	67.2	1	1	4720	68	
			Red	Max. - low	NRVU, BVU	variable speed	Other	83	3.34	2.19	1101	1.8	0	266	67.2	-	-	-	-	64
	2	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	91	0.50	0.08	96	0.3	0	22	67.2	-	-	-	-	32
			Red	Min. - high	NRVU, BVU	variable speed	Other	91	0.50	2.74	193	0.3	1199	22	67.2	-	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	86	1.80	1.76	371	1.0	400	113	67.2	-	-	-	-	58
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	82	3.90	5.11	1067	2.1	403	311	67.2	1	1	5070	68	
			Red	Max. - low	NRVU, BVU	variable speed	Other	83	3.42	2.25	1099	1.9	0	256	67.2	-	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.75	0.13	144	0.4	0	37	65.2	-	-	-	-	37
40	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.75	3.57	301	0.4	1076	37	65.2	-	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	86	1.80	1.50	400	1.0	300	111	65.2	-	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	83	3.72	7.22	1085	2.0	758	313	65.2	1	1	4720	67	
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	82	3.90	2.42	1080	2.1	0	338	65.2	-	-	-	-	61
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.75	0.13	140	0.4	0	36	65.2	-	-	-	-	37
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.75	3.57	293	0.4	1077	36	65.2	-	-	-	-	72
	2	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	86	1.80	1.47	378	1.0	300	105	65.2	-	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	3.95	7.28	1078	2.2	717	317	65.2	1	1	5130	67	
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	4.06	2.51	1074	2.2	0	331	65.2	-	-	-	-	62
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.75	0.14	158	0.4	0	37	67.2	-	-	-	-	37
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.75	4.76	316	0.4	1388	37	67.2	-	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Other	86	1.90	2.04	449	1.0	400	119	67.2	-	-	-	-	61
40	2	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Other	83	3.70	9.66	1086	2.0	1132	310	67.2	1	1	4730	70	
			Red	Max. - low	NRVU, BVU	variable speed	Other	82	3.89	2.41	1081	2.1	0	337	67.2	-	-	-	-	61
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.75	0.14	153	0.4	0	36	67.2	-	-	-	-	37
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.75	4.76	308	0.4	1389	36	67.2	-	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Other	86	1.90	2.01	424	1.0	400	113	67.2	-	-	-	-	61
			Blue	Max. - high	NRVU, BVU	variable speed	Other	82	3.92	9.86	1078	2.1	1103	314	67.2	1	1	5120	70	
	2	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62
			Red	Min. - low	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62
			Red	Min. - high	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62
			Red	Min. - high	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62
			Red	Min. - high	NRVU, BVU	variable speed	Other	82	4.05	2.50	1073	2.2	0	329	67.2	-	-	-	-	62

PX, MPE

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRVU

Datum: 2018-09-17

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014															
Size	Motor option	In and outlet connection s	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency %	Nominal flow rate m³/s	Effective electric power kW	SFPint W/(m³/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vent. comp. Pa	Overall fan efficiency (EU) No 1253/2014 %	Maximum external leaking rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level, LWA dB(A)
04	Not applicable	Duct	Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	210	0.3	0	22	64.8	-	-	-	34
			Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.27	217	0.3	595	22	64.8	-	-	-	62
			Yellow	Average	NRVU BVU	variable speed	Other	78	0.30	0.25	482	1.0	250	123	64.8	-	-	-	49
		Full face	Blue	Max. - high	NRVU BVU	variable speed	Other	75	0.45	0.49	801	1.4	335	226	64.8	5	4	508	53
			Red	Max. - low	NRVU BVU	variable speed	Other	75	0.45	0.23	833	1.4	0	226	64.8	-	-	-	49
			Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	200	0.3	0	21	64.8	-	-	-	34
05	1	Duct	Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.27	206	0.3	596	21	64.8	-	-	-	62
			Yellow	Average	NRVU BVU	variable speed	Other	78	0.30	0.24	425	1.0	250	109	64.8	-	-	-	48
			Blue	Max. - high	NRVU BVU	variable speed	Other	75	0.45	0.49	688	1.4	367	184	64.8	5	4	508	53
		Full face	Red	Max. - low	NRVU BVU	variable speed	Other	75	0.45	0.21	734	1.4	0	194	64.8	-	-	-	49
			Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	210	0.3	0	22	65.5	-	-	-	34
			Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.47	247	0.3	956	22	65.5	-	-	-	67
06	2	Duct	Yellow	Average	NRVU BVU	variable speed	Other	76	0.35	0.33	579	1.1	300	154	65.5	-	-	-	50
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.53	0.94	1049	1.7	647	290	65.5	1	1	673	58
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.53	0.32	1048	1.7	0	288	65.5	-	-	-	52
		Full face	Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	200	0.3	0	21	65.5	-	-	-	34
			Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.47	236	0.3	957	21	65.5	-	-	-	67
			Yellow	Average	NRVU BVU	variable speed	Other	76	0.35	0.32	504	1.1	300	135	65.5	-	-	-	50
07	1	Duct	Blue	Max. - high	NRVU BVU	variable speed	Other	73	0.59	0.94	1020	1.9	572	290	65.5	1	1	787	58
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.57	0.35	1028	1.8	0	275	65.5	-	-	-	54
			Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	252	0.3	0	22	63.5	-	-	-	34
		Full face	Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.64	280	0.3	1153	22	63.5	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	Other	76	0.35	0.43	626	1.1	480	154	63.5	-	-	-	53
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.53	1.24	1058	1.6	927	267	63.5	1	1	678	61
08	2	Duct	Red	Max. - low	NRVU BVU	variable speed	Other	74	0.51	0.32	1054	1.6	0	275	63.5	-	-	-	52
			Red	Min. - low	NRVU BVU	variable speed	Other	87	0.08	0.03	241	0.3	0	21	63.5	-	-	-	34
			Red	Min. - high	NRVU BVU	variable speed	Other	87	0.08	0.64	267	0.3	1154	21	63.5	-	-	-	68
		Full face	Yellow	Average	NRVU BVU	variable speed	Other	76	0.35	0.41	545	1.1	400	135	63.5	-	-	-	52
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.55	1.27	1032	1.8	870	272	63.5	1	1	786	60
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.55	0.34	1040	1.8	0	261	63.5	-	-	-	53
09	1	Duct	Red	Min. - low	NRVU BVU	variable speed	Other	89	0.08	0.02	121	0.2	0	13	65.5	-	-	-	29
			Red	Min. - high	NRVU BVU	variable speed	Other	89	0.08	0.47	145	0.2	944	13	65.5	-	-	-	67
			Yellow	Average	NRVU BVU	variable speed	Other	77	0.45	0.41	417	1.0	360	119	65.5	-	-	-	52
		Full face	Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.75	0.87	942	1.6	330	260	65.5	1	1	908	60
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.72	0.44	1020	1.6	0	244	65.5	-	-	-	59
			Red	Min. - low	NRVU BVU	variable speed	Other	89	0.08	0.02	116	0.2	0	12	65.5	-	-	-	29
10	2	Duct	Red	Min. - high	NRVU BVU	variable speed	Other	89	0.08	0.47	139	0.2	945	12	65.5	-	-	-	67
			Yellow	Average	NRVU BVU	variable speed	Other	77	0.45	0.40	354	1.0	350	101	65.5	-	-	-	51
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.75	0.87	963	1.6	379	210	65.5	7	5	908	60
		Full face	Red	Max. - low	NRVU BVU	variable speed	Other	74	0.75	0.42	908	1.6	0	210	65.5	-	-	-	60
			Red	Min. - low	NRVU BVU	variable speed	Other	89	0.08	0.03	150	0.2	0	13	63.5	-	-	-	29
			Red	Min. - high	NRVU BVU	variable speed	Other	89	0.08	0.64	165	0.2	1161	13	63.5	-	-	-	68
11	1	Duct	Yellow	Average	NRVU BVU	variable speed	Other	77	0.45	0.52	445	1.0	450	119	63.5	-	-	-	53
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.75	1.24	941	1.6	611	260	63.5	1	1	908	61
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.67	0.43	1042	1.4	0	216	63.5	-	-	-	57
		Full face	Red	Min. - low	NRVU BVU	variable speed	Other	89	0.08	0.03	143	0.2	0	12	63.5	-	-	-	29
			Red	Min. - high	NRVU BVU	variable speed	Other	89	0.08	0.64	157	0.2	1162	12	63.5	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	Other	77	0.45	0.51	377	1.0	450	101	63.5	-	-	-	53
12	2	Duct	Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.75	1.24	762	1.6	650	210	63.5	1	1	908	61
			Red	Max. - low	NRVU BVU	variable speed	Other	74	0.71	0.46	1024	1.5	0	194	63.5	-	-	-	59
			Red	Min. - low	NRVU BVU	variable speed	Other	89	0.08	0.03	143	0.2	0	12	63.5	-	-	-	29
		Full face	Red	Min. - high	NRVU BVU	variable speed	Other	89	0.08	0.64	157	0.2	1162	12	63.5	-	-	-	68
			Yellow	Average	NRVU BVU	variable speed	Other	77	0.45	0.51	377	1.0	450	101	63.5	-	-	-	53
			Blue	Max. - high	NRVU BVU	variable speed	Other	74	0.71	0.46	1024	1.5	0	194	63.5	-	-	-	59

PX, MPE

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
Size	Motor option	Inlet and outlet connection s	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vert. comp.	Overall fan efficiency (EU) No 1253/2014	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LwA	
								%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	%	kWh/year	dB(A)	
08	1	Duct	Red	Min - low	NRVU BVU	variable speed	Other	83	0.20	0.05	210	0.4	0	39	65.4	-	-	-	-	31
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.20	0.76	286	0.4	953	39	65.4	-	-	-	69	
			Yellow	Average	NRVU BVU	variable speed	Other	75	0.62	0.59	679	1.3	300	193	65.4	-	-	-	53	
		Full face	Blue	Max - high	NRVU BVU	variable speed	Other	74	0.78	1.37	987	1.7	652	279	65.4	1	1	963	59	
			Red	Min - low	NRVU BVU	variable speed	Other	74	0.78	0.46	988	1.7	0	273	65.4	-	-	-	54	
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.20	0.95	193	0.4	0	36	65.4	-	-	-	30	
	2	Full face	Yellow	Average	NRVU BVU	variable speed	Other	75	0.62	0.55	558	1.3	300	159	65.4	-	-	-	69	
			Blue	Max - high	NRVU BVU	variable speed	Other	73	0.85	1.38	888	1.8	623	254	65.4	1	1	1080	59	
			Red	Max - low	NRVU BVU	variable speed	Other	73	0.85	0.50	975	1.8	0	253	65.4	-	-	-	56	
		Duct	Red	Min - low	NRVU BVU	variable speed	Other	83	0.20	0.05	213	0.4	0	39	67.4	-	-	-	31	
			Red	Min - high	NRVU BVU	variable speed	Other	83	0.20	0.99	311	0.4	1159	39	67.4	-	-	-	71	
			Yellow	Average	NRVU BVU	variable speed	Other	75	0.64	0.72	699	1.4	400	203	67.4	-	-	-	55	
11	1	Duct	Blue	Max - high	NRVU BVU	variable speed	Other	74	0.78	1.73	994	1.7	904	278	67.4	1	1	963	62	
			Red	Max - low	NRVU BVU	variable speed	Other	73	0.80	0.46	991	1.7	0	286	67.4	-	-	-	55	
			Red	Min - low	NRVU BVU	variable speed	Other	83	0.20	0.05	196	0.4	0	36	67.4	-	-	-	30	
		Full face	Red	Min - high	NRVU BVU	variable speed	Other	83	0.20	0.99	283	0.4	1163	36	67.4	-	-	-	71	
			Yellow	Average	NRVU BVU	variable speed	Other	75	0.64	0.68	571	1.4	400	167	67.4	-	-	-	54	
			Blue	Max - high	NRVU BVU	variable speed	Other	73	0.85	1.75	883	1.8	880	254	67.4	3	2	1070	61	
	2	Duct	Red	Max - low	NRVU BVU	variable speed	Other	73	0.85	0.47	923	1.8	0	254	67.4	-	-	-	56	
			Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.04	161	0.3	0	29	65.4	-	-	-	29	
			Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	0.76	213	0.3	953	29	65.4	-	-	-	69	
		Full face	Yellow	Average	NRVU BVU	variable speed	Other	80	0.72	0.66	462	1.1	350	134	65.4	-	-	-	54	
			Blue	Max - high	NRVU BVU	variable speed	Other	77	1.10	1.26	893	1.6	335	246	65.4	1	1	1530	62	
			Red	Max - low	NRVU BVU	variable speed	Other	77	1.07	0.68	1058	1.6	0	236	65.4	-	-	-	61	
12	1	Duct	Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.04	163	0.3	0	29	67.4	-	-	-	29	
			Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	0.99	231	0.3	1169	29	67.4	-	-	-	71	
			Yellow	Average	NRVU BVU	variable speed	Other	79	0.75	0.84	583	1.1	450	168	67.4	-	-	-	56	
		Full face	Blue	Max - high	NRVU BVU	variable speed	Other	77	1.10	1.69	1014	1.6	544	302	67.4	1	1	1420	62	
			Red	Max - low	NRVU BVU	variable speed	Other	77	1.02	0.65	1070	1.5	0	268	67.4	-	-	-	60	
			Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.04	154	0.3	0	27	67.4	-	-	-	29	
	2	Full face	Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	0.99	217	0.3	1171	27	67.4	-	-	-	71	
			Yellow	Average	NRVU BVU	variable speed	Other	79	0.75	0.81	476	1.1	450	142	67.4	-	-	-	56	
			Blue	Max - high	NRVU BVU	variable speed	Other	77	1.10	1.69	828	1.6	619	246	67.4	1	1	1420	62	
		Duct	Red	Max - low	NRVU BVU	variable speed	Other	77	1.08	0.69	1049	1.6	0	240	67.4	-	-	-	61	
			Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.05	167	0.3	0	29	66.8	-	-	-	36	
			Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	0.91	266	0.3	916	29	66.8	-	-	-	69	
12	1	Duct	Yellow	Average	NRVU BVU	variable speed	Other	78	0.90	0.85	731	1.3	300	221	66.8	-	-	-	55	
			Blue	Max - high	NRVU BVU	variable speed	Other	77	1.12	1.77	1039	1.7	586	309	66.8	1	1	1450	61	
			Red	Max - low	NRVU BVU	variable speed	Other	76	1.15	0.68	1028	1.7	0	321	66.8	-	-	-	56	
		Full face	Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.05	167	0.3	0	29	66.8	-	-	-	35	
			Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	0.91	250	0.3	918	27	66.8	-	-	-	69	
			Yellow	Average	NRVU BVU	variable speed	Other	78	0.90	0.79	604	1.3	300	184	66.8	-	-	-	55	
	2	Full face	Blue	Max - high	NRVU BVU	variable speed	Other	76	1.27	1.77	990	1.9	502	305	66.8	1	1	1760	61	
			Red	Max - low	NRVU BVU	variable speed	Other	76	1.26	0.73	984	1.9	0	300	66.8	-	-	-	58	
			Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.05	187	0.3	0	29	66.0	-	-	-	36	
		Duct	Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	1.23	294	0.3	1143	29	66.0	-	-	-	72	
			Yellow	Average	NRVU BVU	variable speed	Other	78	0.95	1.01	795	1.4	350	240	66.0	-	-	-	57	
			Blue	Max - high	NRVU BVU	variable speed	Other	76	1.09	2.36	1044	1.6	883	246	66.0	1	1	1460	64	
12	2	Full face	Red	Max - low	NRVU BVU	variable speed	Other	76	1.15	0.68	1028	1.7	0	321	66.0	-	-	-	56	
			Red	Min - low	NRVU BVU	variable speed	Other	88	0.20	0.05	175	0.3	0	27	66.0	-	-	-	35	
			Red	Min - high	NRVU BVU	variable speed	Other	88	0.20	1.23	276	0.3	1145	27	66.0	-	-	-	72	
		Full face	Yellow	Average	NRVU BVU	variable speed	Other	78	0.95	0.94	654	1.4	350	199	66.0	-	-	-	56	
			Blue	Max - high	NRVU BVU	variable speed	Other	76	1.25	2.42	998	1.8	811	298	66.0	1	1	1760	63	
			Red	Max - low	NRVU BVU	variable speed	Other	76	1.26	0.73	985	1.9	0	302	66.0	-	-	-	58	

PX, MPE

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014

Size	Air Handling Unit	In and outlet connection s	Working point		Type of drive	AHU type	Type of HRS	Thermal efficiency %	Nominal flow rate m³/s	Effective electric power kW	SFPint W/(m³/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vent. comp. Pa	Overall fan efficiency %	Maximum external leaking rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level, L _{WA} dB(A)
			Colour	Remark															
14	1	Duct	Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.20	0.04	86	0.2	0	15	66.8	-	-	-	30
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.20	0.91	136	0.2	930	15	66.8	-	-	-	72
			Yellow	Average	NRUV, BVU	variable speed	Other	78	1.05	0.86	368	1.2	360	115	66.8	-	-	-	57
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	Other	75	1.85	1.54	739	1.9	284	219	66.8	1	1	2020	65
			Red	Max. - low	NRUV, BVU	variable speed	Other	75	1.62	0.93	921	1.9	0	63	66.8	-	-	-	65
			Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.20	0.04	85	0.2	0	15	66.8	-	-	-	30
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.20	0.90	134	0.2	930	15	66.8	-	-	-	72
	2	Duct	Yellow	Average	NRUV, BVU	variable speed	Other	78	1.05	0.85	349	1.2	360	110	66.8	-	-	-	57
			Blue	Max. - high	NRUV, BVU	variable speed	Other	75	1.85	1.54	695	1.9	284	206	66.8	1	1	2020	65
			Red	Max. - low	NRUV, BVU	variable speed	Other	75	1.65	0.94	918	1.9	0	206	66.8	-	-	-	65
		Full face	Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.20	0.04	95	0.2	0	15	66.0	-	-	-	30
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.20	1.23	151	0.2	1158	15	66.0	-	-	-	74
			Blue	Average	NRUV, BVU	variable speed	Other	77	1.20	1.22	439	1.4	430	138	66.0	1	1	1910	60
			Red	Max. - high	NRUV, BVU	variable speed	Other	75	1.85	2.28	689	1.9	586	219	66.0	1	1	2020	65
20	1	Duct	Red	Min. - low	NRUV, BVU	variable speed	Other	75	1.63	0.92	922	1.9	0	15	66.0	-	-	-	65
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.20	0.04	93	0.2	0	15	66.0	-	-	-	30
			Yellow	Average	NRUV, BVU	variable speed	Other	76	1.40	1.16	545	1.6	300	172	66.7	-	-	-	56
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	Other	74	1.87	2.78	860	2.2	602	265	66.7	1	1	2410	62
			Red	Max. - low	NRUV, BVU	variable speed	Other	74	1.84	0.95	868	2.1	0	258	66.7	-	-	-	58
			Red	Min. - low	NRUV, BVU	variable speed	Other	87	0.30	0.05	112	0.4	0	23	66.7	-	-	-	32
			Red	Min. - high	NRUV, BVU	variable speed	Other	87	0.30	1.32	200	0.4	939	23	66.7	-	-	-	68
	2	Duct	Yellow	Average	NRUV, BVU	variable speed	Other	76	1.40	1.13	514	1.6	300	163	66.7	-	-	-	56
			Blue	Max. - high	NRUV, BVU	variable speed	Other	74	1.94	2.77	845	2.2	577	262	66.7	1	1	2540	62
			Red	Max. - low	NRUV, BVU	variable speed	Other	74	1.88	0.97	855	2.2	0	250	66.7	-	-	-	58
		Full face	Red	Min. - low	NRUV, BVU	variable speed	Other	87	0.30	0.07	146	0.4	0	23	65.7	-	-	-	32
			Red	Min. - high	NRUV, BVU	variable speed	Other	87	0.30	1.79	224	0.4	1169	23	65.7	-	-	-	70
			Yellow	Average	NRUV, BVU	variable speed	Other	76	1.40	1.42	562	1.6	400	172	65.7	-	-	-	57
			Blue	Max. - high	NRUV, BVU	variable speed	Other	74	1.85	3.74	865	2.1	907	261	65.7	1	1	2420	65
25	1	Duct	Red	Min. - low	NRUV, BVU	variable speed	Other	75	1.82	0.95	869	2.1	0	254	65.7	-	-	-	58
			Red	Min. - high	NRUV, BVU	variable speed	Other	87	0.30	0.07	143	0.4	0	23	65.7	-	-	-	32
			Red	Min. - low	NRUV, BVU	variable speed	Other	87	0.30	1.79	219	0.4	1169	23	65.7	-	-	-	70
		Full face	Yellow	Average	NRUV, BVU	variable speed	Other	76	1.40	1.39	530	1.6	400	163	65.7	-	-	-	57
			Blue	Max. - high	NRUV, BVU	variable speed	Other	74	1.92	3.76	847	2.2	885	258	65.7	1	1	2550	64
			Red	Max. - low	NRUV, BVU	variable speed	Other	74	1.86	0.96	861	2.2	0	247	65.7	-	-	-	58
			Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.30	0.05	68	0.2	0	14	66.7	-	-	-	29
	2	Duct	Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.30	1.32	124	0.2	948	14	66.7	-	-	-	68
			Yellow	Average	NRUV, BVU	variable speed	Other	78	1.50	1.19	332	1.1	350	106	66.7	-	-	-	56
			Blue	Max. - high	NRUV, BVU	variable speed	Other	74	2.50	2.45	768	1.9	297	223	66.7	1	1	2670	65
		Full face	Red	Max. - low	NRUV, BVU	variable speed	Other	75	2.32	1.22	844	1.7	0	199	66.7	-	-	-	62
			Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.30	0.05	67	0.2	0	14	66.7	-	-	-	29
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.30	1.32	122	0.2	948	14	66.7	-	-	-	68
			Blue	Average	NRUV, BVU	variable speed	Other	78	1.50	1.18	313	1.1	350	100	66.7	-	-	-	56
25	1	Duct	Red	Min. - low	NRUV, BVU	variable speed	Other	74	2.50	2.45	710	1.9	314	206	66.7	1	1	2670	65
			Red	Max. - low	NRUV, BVU	variable speed	Other	74	2.37	1.25	841	1.8	0	191	66.7	-	-	-	63
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.30	0.06	88	0.2	0	14	65.7	-	-	-	29
		Full face	Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.30	1.79	136	0.2	1178	14	65.7	-	-	-	70
			Yellow	Average	NRUV, BVU	variable speed	Other	77	1.60	1.57	369	1.2	450	116	65.7	-	-	-	58
			Blue	Max. - high	NRUV, BVU	variable speed	Other	74	2.50	3.58	717	1.9	619	223	65.7	1	1	2670	66
			Red	Max. - low	NRUV, BVU	variable speed	Other	75	2.29	1.22	847	1.7	0	198	65.7	-	-	-	62
	2	Duct	Red	Min. - low	NRUV, BVU	variable speed	Other	89	0.30	0.06	86	0.2	0	14	65.7	-	-	-	29
			Red	Min. - high	NRUV, BVU	variable speed	Other	89	0.30	1.79	134	0.2	1178	14	65.7	-	-	-	70
			Yellow	Average	NRUV, BVU	variable speed	Other	77	1.60	1.55	347	1.2	450	109	65.7	-	-	-	58
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	Other	74	2.50	3.58	662	1.9	636	206	65.7	1	1	2670	66
			Red	Max. - low	NRUV, BVU	variable speed	Other	74	2.35	1.25	842	1.7	0	188	65.7	-	-	-	63

PX, MPE

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connection s	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	External nominal pressure	Internal pressure drop vert. comp.	Overall fan efficiency (EU) No 1253/2014	Maximum external leaking rate	Maximum internal leakage	Energy performance	Casing sound power level, LwA	
30	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.50	0.08	109	0.4	0	26	65.2	-	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.50	2.29	213	0.4	1051	26	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	76	1.80	1.42	444	1.3	300	138	65.2	-	-	-	-	56
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	74	2.65	4.68	820	2.0	760	245	65.2	1	1	3070	65	
			Red	Max. - low	NRVU, BVU	variable speed	Other	74	2.62	1.30	824	2.0	0	240	65.2	-	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.50	0.08	106	0.4	0	26	65.2	-	-	-	-	33
	2	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.50	2.29	207	0.4	1052	26	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	76	1.80	1.39	415	1.3	300	129	65.2	-	-	-	-	56
			Blue	Max. - high	NRVU, BVU	variable speed	Other	73	2.79	4.69	811	2.1	718	244	65.2	1	1	3320	65	
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	74	2.69	1.34	817	2.0	0	231	65.2	-	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.50	0.08	113	0.4	0	26	67.2	-	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.50	2.74	226	0.4	1986	26	67.2	-	-	-	-	72
35	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.50	1.89	494	1.4	400	149	67.2	-	-	-	-	58
			Yellow	Average	NRVU, BVU	variable speed	Other	76	1.90	1.89	494	1.4	400	149	67.2	-	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	74	2.59	5.67	825	1.9	968	236	67.2	1	1	3080	66	
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	74	2.61	1.30	823	1.9	0	239	67.2	-	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Other	85	0.50	0.08	110	0.4	0	26	67.2	-	-	-	-	33
			Red	Min. - high	NRVU, BVU	variable speed	Other	85	0.50	2.74	220	0.4	1197	26	67.2	-	-	-	-	72
	2	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	76	1.90	1.85	461	1.4	400	139	67.2	-	-	-	-	58
			Blue	Max. - high	NRVU, BVU	variable speed	Other	74	2.74	5.73	813	2.0	929	236	67.2	1	1	3330	66	
			Red	Max. - low	NRVU, BVU	variable speed	Other	74	2.68	1.34	818	2.0	0	229	67.2	-	-	-	-	59
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.07	78	0.3	0	19	65.2	-	-	-	-	31
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.29	153	0.3	1058	19	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.80	1.27	280	1.0	300	91	65.2	-	-	-	-	55
40	1	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Other	77	3.77	4.14	918	2.1	316	263	65.2	1	1	4880	67	
			Red	Max. - low	NRVU, BVU	variable speed	Other	78	3.30	1.92	942	1.8	0	214	65.2	-	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.07	76	0.3	0	18	65.2	-	-	-	-	31
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.29	149	0.3	1058	18	65.2	-	-	-	-	70
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.90	1.25	272	1.0	300	85	65.2	-	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Other	77	3.87	4.04	912	2.1	269	247	65.2	1	1	5380	67	
	2	Duct	Red	Max. - low	NRVU, BVU	variable speed	Other	78	3.38	1.98	938	1.9	0	203	65.2	-	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Other	90	0.50	0.07	80	0.3	0	19	67.2	-	-	-	-	31
			Red	Min. - high	NRVU, BVU	variable speed	Other	90	0.50	2.74	162	0.3	1203	19	67.2	-	-	-	-	72
		Full face	Yellow	Average	NRVU, BVU	variable speed	Other	82	1.90	1.68	300	1.0	400	92	67.2	-	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	77	3.90	5.11	858	2.1	463	250	67.2	1	1	5070	68	
			Red	Max. - low	NRVU, BVU	variable speed	Other	78	3.36	1.97	942	1.8	0	202	67.2	-	-	-	-	64
40	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.75	0.12	118	0.4	0	31	65.2	-	-	-	-	36
			Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.75	3.57	251	0.4	1083	31	65.2	-	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.80	1.41	322	1.0	300	91	65.2	-	-	-	-	57
		Full face	Blue	Max. - high	NRVU, BVU	variable speed	Other	77	3.81	7.25	914	2.1	791	266	65.2	1	1	4880	67	
			Red	Max. - low	NRVU, BVU	variable speed	Other	77	3.92	2.10	909	2.1	0	278	65.2	-	-	-	-	61
			Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.75	0.12	115	0.4	0	30	65.2	-	-	-	-	35
	2	Duct	Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.75	3.57	244	0.4	1084	30	65.2	-	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.80	1.39	302	1.0	300	85	65.2	-	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Other	76	4.08	7.29	902	2.2	743	267	65.2	1	1	5380	67	
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Other	76	4.10	2.19	901	2.2	0	269	65.2	-	-	-	-	62
			Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.75	0.13	130	0.4	0	31	67.2	-	-	-	-	36
			Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.75	4.76	265	0.4	1385	31	67.2	-	-	-	-	75
40	1	Duct	Yellow	Average	NRVU, BVU	variable speed	Other	82	1.90	1.94	364	1.0	400	98	67.2	-	-	-	-	60
			Blue	Max. - high	NRVU, BVU	variable speed	Other	77	3.78	9.75	917	2.1	1170	264	67.2	1	1	4880	70	
			Red	Max. - low	NRVU, BVU	variable speed	Other	77	3.90	2.10	910	2.1	0	276	67.2	-	-	-	-	61
		Full face	Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.75	0.13	125	0.4	0	30	67.2	-	-	-	-	35
			Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.75	4.76	256	0.4	1386	30	67.2	-	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.90	1.91	340	1.0	400	92	67.2	-	-	-	-	60
	2	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Other	76	4.07	9.96	901	2.2	1129	266	67.2	1	1	5390	70	
			Red	Max. - low	NRVU, BVU	variable speed	Other	76	4.07	2.19	902	2.2	0	266	67.2	-	-	-	-	62
			Red	Min. - low	NRVU, BVU	variable speed	Other	88	0.75	0.13	130	0.4	0	31	67.2	-	-	-	-	36
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Other	88	0.75	4.76	256	0.4	1386	30	67.2	-	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Other	82	1.90	1.91	340	1.0	400	92	67.2	-	-	-	-	60
			Blue	Max. - high	NRVU, BVU	variable speed	Other	76	4.07	9.96	901	2.2	1129	266	67.2	1	1	5390	70	

CX

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRUV

Date: 2018-09-17

Air Handling Unit		Working point		Part of information requirements for NRUV according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vert. comp.	Overall fan efficiency (EU) No 372/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA	
35	1	Duct	Red	Min. - low	NRUV, BVU	variable speed	Run-around	78	0.50	0.07	69	0.3	0	17	65.2	-	-	-	-	31
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	78	0.50	2.29	137	0.3	1060	17	65.2	-	-	-	70	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.40	2.18	543	1.3	350	171	65.2	-	-	-	60	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	3.89	4.03	1336	2.1	148	359	65.2	1	0	5460	67	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	70	3.65	2.83	1345	2.0	0	326	65.2	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	78	0.50	0.07	67	0.3	0	16	65.2	-	-	-	31	
	Full face		Red	Min. - high	NRUV, BVU	variable speed	Run-around	78	0.50	2.29	133	0.3	1061	16	65.2	-	-	-	70	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.40	2.14	511	1.3	350	161	65.2	1	0	5550	60	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	3.90	4.02	1261	2.1	153	336	65.2	1	0	5550	67	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	3.72	2.90	1340	2.0	0	313	65.2	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	78	0.50	0.07	71	0.3	0	17	67.2	-	-	-	31	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	78	0.50	2.74	145	0.3	1205	17	67.2	-	-	-	72	
40	2	Duct	Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.60	2.89	618	1.4	450	193	67.2	-	-	-	62	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	3.90	5.11	1242	2.1	352	362	67.2	1	0	5070	68	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	70	3.64	2.83	1347	2.0	0	326	67.2	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	78	0.50	0.07	70	0.3	0	16	67.2	-	-	-	31	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	78	0.50	2.74	141	0.3	1206	16	67.2	-	-	-	72	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.60	2.84	581	1.4	450	181	67.2	-	-	-	62	
	Full face		Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	3.90	5.11	1153	2.1	378	336	67.2	1	0	5070	68	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	3.72	2.90	1343	2.0	0	312	67.2	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	74	0.75	0.12	115	0.4	0	30	70.5	-	-	-	35	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	74	0.75	3.57	243	0.4	1083	30	70.5	-	-	-	72	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.70	2.18	656	1.5	250	204	70.5	-	-	-	58	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	4.11	7.29	1325	2.3	610	384	70.5	1	0	5450	67	
50	1	Duct	Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	4.21	3.11	1315	2.3	0	408	70.5	-	-	-	63	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	74	0.75	0.11	111	0.4	0	29	70.5	-	-	-	35	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	74	0.75	3.57	235	0.4	1084	29	70.5	-	-	-	72	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	2.70	2.12	614	1.5	250	192	70.5	-	-	-	58	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	68	4.32	7.27	1308	2.4	569	383	70.5	1	0	5860	57	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	68	4.37	3.20	1305	2.4	0	400	70.5	-	-	-	64	
	Full face		Red	Min. - high	NRUV, BVU	variable speed	Run-around	74	0.75	0.13	125	0.4	0	30	69.2	-	-	-	35	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	70	3.30	3.58	892	1.8	350	279	69.2	-	-	-	75	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	4.11	9.98	1326	2.2	997	383	69.2	1	0	5460	70	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	4.21	3.11	1316	2.3	0	408	69.2	-	-	-	63	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	74	0.75	0.13	121	0.4	0	29	69.2	-	-	-	75	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	74	0.75	4.76	248	0.4	1396	29	69.2	-	-	-	65	
50	2	Full face	Yellow	Average	NRUV, BVU	variable speed	Run-around	70	3.30	3.47	830	1.8	350	261	69.2	-	-	-	62	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	68	4.33	10.08	1309	2.4	958	394	69.2	1	0	5890	70	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	68	4.36	3.20	1306	2.4	0	399	69.2	-	-	-	64	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	76	0.75	0.10	77	0.3	0	21	66.7	-	-	-	34	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	76	0.75	3.57	168	0.3	1093	21	66.7	-	-	-	72	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	3.10	2.81	538	1.2	350	169	66.7	-	-	-	60	
	Duct		Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	5.00	6.90	1164	1.9	435	353	66.7	1	0	6040	68	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	5.00	3.59	1257	1.9	0	353	66.7	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	76	0.75	0.10	75	0.3	0	20	66.7	-	-	-	33	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	76	0.75	3.57	165	0.3	1093	20	66.7	-	-	-	72	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	3.10	2.77	513	1.2	350	161	66.7	-	-	-	60	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	5.00	6.90	1100	1.9	454	334	66.7	3	0	6040	68	
50	1	Duct	Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	5.00	3.46	1204	1.9	0	334	66.7	-	-	-	66	
			Red	Min. - low	NRUV, BVU	variable speed	Run-around	76	0.75	0.11	83	0.3	0	21	65.7	-	-	-	34	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	76	0.75	4.76	177	0.3	1405	21	65.7	-	-	-	75	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	3.30	3.62	595	1.3	450	188	65.7	-	-	-	62	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	5.00	10.03	1130	1.9	851	353	65.7	3	0	5860	70	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	5.00	3.62	1268	1.9	0	353	65.7	-	-	-	66	
	Full face		Red	Min. - low	NRUV, BVU	variable speed	Run-around	76	0.75	0.11	82	0.3	0	20	65.7	-	-	-	33	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	76	0.75	4.76	173	0.3	1405	20	65.7	-	-	-	75	
			Yellow	Average	NRUV, BVU	variable speed	Run-around	71	3.30	3.57	567	1.3	450	178	65.7	-	-	-	62	
			Blue	Max. - high	NRUV, BVU	variable speed	Run-around	69	5.00	10.03	1068	1.9	871	334	65.7	3	0	5860	70	
			Red	Max. - low	NRUV, BVU	variable speed	Run-around	69	5.00	3.50	1215	1.9	0	334	65.7	-	-	-	62	
			Red	Min. - high	NRUV, BVU	variable speed	Run-around	76	0.75	4.76	177	0.3	1405	21	65.7	-	-	-	70	

CX

Size	Air Handling Unit	Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014														Overall fan efficiency (EU) No 1253/2014	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA
		Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Pa	kWh/year					
60	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Run-around	72	1.00	0.16	120	0.4	0	31	65.2	-	-	-	37			
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	72	1.00	4.65	257	0.4	1055	0	31	65.2	-	-	73			
			Yellow	Average	NRVU, BVU	variable speed	Run-around	70	4.30	4.98	904	1.6	300	279	65.2	-	-	62				
		Full face	Blue	Max. - low	NRVU, BVU	variable speed	Run-around	69	5.32	9.48	1317	2.0	614	389	65.2	1	0	6900	68			
			Red	Max. - high	NRVU, BVU	variable speed	Run-around	68	5.45	4.01	1308	2.1	1308	405	65.2	-	-	64				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	72	1.00	0.15	116	0.4	0	31	65.2	-	-	37				
	2	Full face	Yellow	Min. - high	NRVU, BVU	variable speed	Run-around	72	1.00	4.65	250	0.4	1056	31	65.2	-	-	73				
			Blue	Average	NRVU, BVU	variable speed	Run-around	70	4.30	4.28	856	1.6	300	265	65.2	-	-	62				
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	5.52	9.50	1304	2.1	589	389	65.2	1	0	7280	68			
		Duct	Red	Max. - high	NRVU, BVU	variable speed	Run-around	68	5.60	4.07	1291	2.1	0	397	65.2	-	-	64				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	72	1.00	0.20	156	0.4	0	31	67.4	-	-	37				
			Yellow	Min. - high	NRVU, BVU	variable speed	Run-around	70	4.50	5.42	984	1.7	400	300	67.4	-	-	76				
70	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Run-around	68	5.57	4.09	1303	2.1	0	393	67.4	-	-	64				
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	74	1.00	0.13	82	0.3	0	23	65.2	-	-	35				
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	74	1.00	4.65	184	0.3	1064	23	65.2	-	-	73				
		Full face	Yellow	Average	NRVU, BVU	variable speed	Run-around	70	4.80	4.84	737	1.6	350	230	65.2	-	-	63				
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	6.83	8.92	1306	2.2	349	399	65.2	1	0	8340	69			
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	6.61	4.92	1319	2.2	0	379	65.2	-	-	67				
	2	Full face	Red	Min. - low	NRVU, BVU	variable speed	Run-around	74	1.00	0.13	81	0.3	0	23	65.2	-	-	35				
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	74	1.00	4.65	181	0.3	1064	22	65.2	-	-	73				
			Yellow	Average	NRVU, BVU	variable speed	Run-around	70	4.80	4.77	707	1.6	350	221	65.2	-	-	63				
		Duct	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.94	8.51	1296	2.3	332	390	65.2	1	0	8620	69			
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	6.74	5.02	1313	2.2	0	372	65.2	-	-	67				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	74	1.00	0.16	110	0.3	0	23	67.4	-	-	76				
80	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Run-around	74	1.00	7.12	210	0.3	1454	23	67.4	-	-	76				
			Yellow	Average	NRVU, BVU	variable speed	Run-around	70	5.20	6.29	832	1.7	450	262	67.4	-	-	65				
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.75	14.91	1312	2.2	880	393	67.4	1	0	8350	71			
		Full face	Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	6.52	4.89	1323	2.1	0	371	67.4	-	-	67				
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	74	1.00	0.18	110	0.3	0	22	67.4	-	-	35				
			Yellow	Average	NRVU, BVU	variable speed	Run-around	70	5.20	6.20	787	1.7	450	251	67.4	-	-	76				
	2	Full face	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.94	14.92	1303	2.3	848	390	67.4	1	0	8740	71			
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	6.64	4.97	1317	2.2	0	364	67.4	-	-	67				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	70	1.50	0.25	148	0.5	0	40	69.2	-	-	41				
		Duct	Red	Min. - high	NRVU, BVU	variable speed	Run-around	70	1.50	7.39	331	0.5	1092	40	69.2	-	-	75				
			Yellow	Average	NRVU, BVU	variable speed	Run-around	69	6.00	6.59	1061	2.0	300	327	69.2	-	-	64				
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.53	13.52	1322	2.1	744	372	69.2	1	0	8390	71			
90	1	Duct	Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	6.53	6.32	1322	2.1	400	327	69.2	-	-	64				
			Red	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.53	6.32	1322	2.1	400	327	69.2	-	-	64				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	70	1.50	0.25	144	0.5	0	39	69.2	-	-	40				
		Full face	Red	Min. - high	NRVU, BVU	variable speed	Run-around	70	1.50	7.39	324	0.5	1093	39	69.2	-	-	75				
			Yellow	Average	NRVU, BVU	variable speed	Run-around	69	6.00	6.43	1011	2.0	300	312	69.2	-	-	64				
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.79	13.75	1310	2.2	738	377	69.2	1	0	8770	70			
	2	Full face	Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	6.94	4.82	1232	2.3	0	390	69.2	-	-	63				
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	70	1.50	0.32	185	0.5	0	40	68.5	-	-	41				
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	70	1.50	9.94	350	0.5	1416	40	68.5	-	-	78				
		Duct	Yellow	Average	NRVU, BVU	variable speed	Run-around	69	6.30	8.30	1157	2.1	400	352	68.5	-	-	66				
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.61	17.31	1326	2.1	1059	361	68.5	1	0	8410	74			
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	6.89	5.05	1303	2.2	0	404	68.5	-	-	63				
2	Full face	Red	Min. - high	NRVU, BVU	variable speed	Run-around	70	1.50	0.31	181	0.5	0	39	68.5	-	-	40					
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	70	1.50	9.94	342	0.5	1417	39	68.5	-	-	78					
		Yellow	Average	NRVU, BVU	variable speed	Run-around	69	6.30	8.12	1102	2.1	400	336	68.5	-	-	68					
	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	6.66	17.68	1314	2.2	1056	364	68.5	1	0	8770	74				
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	6.92	4.04	1293	2.2	0	390	68.5	-	-	62					
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	70	1.50	0.32	182	0.5	0	40	68.5	-	-	41					

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Air Handling Unit		Working point		Part of information requirements for NRVL according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent. comp.	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level LWA	
								%	m³/s	kW	W/(m³/s)	m/s	Pa	Pa	%	%	Pa	%	Pa	Pa
100	1	Duct	Red	Min. - low	NRVL BVU	variable speed	Run-around	75	1.50	0.17	85	0.3	0	20	89.2	-	-	-	-	36
			Red	Min. - high	NRVL BVU	variable speed	Run-around	75	1.50	7.40	168	0.3	1112	20	89.2	-	-	-	-	75
			Yellow	Average	NRVL BVU	variable speed	Run-around	71	7.50	7.38	702	1.5	350	222	89.2	-	-	-	-	66
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	69	10.79	13.32	1312	2.2	292	369	89.2	1	0	13700	72	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	69	10.33	7.83	1331	2.1	0	363	89.2	-	-	-	-	70
	2	Full face	Red	Min. - low	NRVL BVU	variable speed	Run-around	75	1.50	0.17	64	0.3	0	20	89.2	-	-	-	-	36
			Red	Min. - high	NRVL BVU	variable speed	Run-around	75	1.50	7.40	166	0.3	1113	20	89.2	-	-	-	-	75
			Yellow	Average	NRVL BVU	variable speed	Run-around	71	7.50	7.27	674	1.5	350	213	89.2	-	-	-	-	65
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	68	10.99	13.15	1305	2.3	269	382	89.2	1	0	14300	72	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	69	10.48	7.93	1326	2.1	0	354	89.2	-	-	-	-	70
120	1	Duct	Red	Min. - low	NRVL BVU	variable speed	Run-around	75	1.50	0.23	89	0.3	0	20	88.5	-	-	-	-	36
			Red	Min. - high	NRVL BVU	variable speed	Run-around	75	1.50	10.50	181	0.3	1496	20	88.5	-	-	-	-	78
			Yellow	Average	NRVL BVU	variable speed	Run-around	71	7.50	8.76	718	1.5	450	222	88.5	-	-	-	-	66
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	68	11.00	21.60	1304	2.3	756	401	88.5	1	0	13700	73	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	69	10.28	7.79	1332	2.1	0	361	88.5	-	-	-	-	70
	2	Full face	Red	Min. - low	NRVL BVU	variable speed	Run-around	75	1.50	0.23	89	0.3	0	20	88.5	-	-	-	-	36
			Red	Min. - high	NRVL BVU	variable speed	Run-around	75	1.50	9.95	178	0.3	1436	20	88.5	-	-	-	-	78
			Yellow	Average	NRVL BVU	variable speed	Run-around	71	7.50	8.76	718	1.5	450	222	88.5	-	-	-	-	66
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	68	10.97	20.33	1306	2.2	684	366	88.5	1	0	13700	73	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	69	10.28	7.79	1332	2.1	0	361	88.5	-	-	-	-	70
120	1	Duct	Red	Min. - low	NRVL BVU	variable speed	Run-around	68	2.50	0.45	165	0.5	0	43	89.2	-	-	-	-	44
			Red	Min. - high	NRVL BVU	variable speed	Run-around	68	2.50	10.95	329	0.5	1042	43	89.2	-	-	-	-	77
			Yellow	Average	NRVL BVU	variable speed	Run-around	70	9.30	10.21	1028	1.9	300	309	89.2	-	-	-	-	66
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	69	10.22	20.50	1333	2.1	688	357	89.2	1	0	13800	72	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	68	10.87	8.02	1310	2.2	0	353	89.2	-	-	-	-	66
	2	Full face	Red	Min. - low	NRVL BVU	variable speed	Run-around	68	2.50	0.44	160	0.5	0	42	89.2	-	-	-	-	43
			Red	Min. - high	NRVL BVU	variable speed	Run-around	68	2.50	10.95	321	0.5	1043	42	89.2	-	-	-	-	77
			Yellow	Average	NRVL BVU	variable speed	Run-around	70	9.30	9.99	983	1.9	300	295	89.2	-	-	-	-	66
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	69	10.77	20.92	1314	2.2	673	369	89.2	1	0	14400	72	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	68	11.04	8.00	1283	2.3	0	384	89.2	-	-	-	-	66
120	1	Duct	Red	Min. - low	NRVL BVU	variable speed	Run-around	68	2.50	0.55	201	0.5	0	43	88.5	-	-	-	-	44
			Red	Min. - high	NRVL BVU	variable speed	Run-around	68	2.50	15.25	361	0.5	1348	43	88.5	-	-	-	-	80
			Yellow	Average	NRVL BVU	variable speed	Run-around	69	10.00	13.56	1177	2.0	400	345	88.5	-	-	-	-	68
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	70	9.87	26.36	1343	2.0	956	338	88.5	1	0	13900	76	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	69	10.60	7.93	1323	2.2	0	379	88.5	-	-	-	-	65
	2	Full face	Red	Min. - low	NRVL BVU	variable speed	Run-around	68	2.50	0.54	196	0.5	0	42	88.5	-	-	-	-	43
			Red	Min. - high	NRVL BVU	variable speed	Run-around	68	2.50	15.26	353	0.5	1349	42	88.5	-	-	-	-	80
			Yellow	Average	NRVL BVU	variable speed	Run-around	69	10.00	13.28	1122	2.0	400	330	88.5	-	-	-	-	68
			Blue	Max. - high	NRVL BVU	variable speed	Run-around	69	10.22	26.89	1335	2.1	953	341	88.5	1	0	14500	75	
			Red	Max. - low	NRVL BVU	variable speed	Run-around	68	10.84	8.07	1313	2.2	0	373	88.5	-	-	-	-	65

SD with coil heat exchanger

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRVU

Datum:

2018-09-17

Air Handling Unit			Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014														
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SEPin	Face velocity	Nominal external pressure	Internal pressure drop vent comm	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA
11	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	142	0.3	0	26	65.4	-	-	-	29
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.76	186	0.3	966	26	65.4	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Run-around	72	0.75	0.75	624	1.1	350	183	65.4	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	1.18	1.19	1467	1.7	87	372	65.4	1	0	1880	63
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	70	1.15	0.97	1481	1.7	0	358	65.4	-	-	-	63
	2	Full face	Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	136	0.3	0	24	65.4	-	-	-	29
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.76	178	0.3	967	24	65.4	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Run-around	72	0.75	0.73	572	1.1	350	167	65.4	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	1.20	1.16	1384	1.8	87	341	65.4	1	0	1990	64
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	1.19	1.00	1461	1.8	0	336	65.4	-	-	-	63
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	144	0.3	0	26	67.4	-	-	-	29
12	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.99	202	0.3	1172	26	67.4	-	-	-	71
			Yellow	Average	NRVU, BVU	variable speed	Run-around	72	0.80	0.94	673	1.2	450	202	67.4	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	1.20	1.61	1332	1.8	336	381	67.4	1	0	1710	64
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	70	1.18	0.98	1469	1.7	0	369	67.4	-	-	-	63
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	138	0.3	0	24	67.4	-	-	-	29
	2	Full face	Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.99	193	0.3	1173	24	67.4	-	-	-	71
			Yellow	Average	NRVU, BVU	variable speed	Run-around	72	0.80	0.91	613	1.2	450	184	67.4	-	-	-	57
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	1.20	1.61	1192	1.8	376	341	67.4	5	0	1710	64
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	1.20	0.98	1422	1.8	0	341	67.4	-	-	-	64
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	146	0.3	0	26	66.8	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.91	232	0.3	920	26	66.8	-	-	-	69
13	1	Duct	Yellow	Average	NRVU, BVU	variable speed	Run-around	71	0.90	0.81	801	1.3	250	243	66.8	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	1.27	1.77	1352	1.9	391	417	66.8	1	0	1760	61
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	1.27	0.94	1324	1.9	0	417	66.8	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	140	0.3	0	24	66.8	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.91	222	0.3	921	24	66.8	-	-	-	69
	2	Full face	Yellow	Average	NRVU, BVU	variable speed	Run-around	71	0.90	0.77	724	1.3	250	221	66.8	-	-	-	55
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	1.27	1.77	1210	1.9	432	374	66.8	5	0	1770	61
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	1.27	0.87	1201	1.9	0	374	66.8	-	-	-	58
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.05	162	0.3	0	26	66.0	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	1.23	257	0.3	1147	26	66.0	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Run-around	71	1.00	1.04	937	1.5	300	286	66.0	-	-	-	57
14	1	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	1.27	2.43	1398	1.9	673	420	66.0	1	0	1820	63
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	1.27	0.96	1342	1.9	0	420	66.0	-	-	-	59
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.05	155	0.3	0	24	66.0	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	1.23	246	0.3	1148	24	66.0	-	-	-	72
			Yellow	Average	NRVU, BVU	variable speed	Run-around	71	1.00	0.99	843	1.5	300	258	66.0	-	-	-	56
	2	Full face	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	1.27	2.42	1245	1.9	720	374	66.0	5	0	1820	63
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	68	1.27	0.87	1205	1.9	0	374	66.0	-	-	-	58
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	77	0.20	0.04	146	0.3	0	26	66.8	-	-	-	34
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	77	0.20	0.91	232	0.3	920	26	66.8	-	-	-	69
			Yellow	Average	NRVU, BVU	variable speed	Run-around	71	0.90	0.81	801	1.3	250	243	66.8	1	0	1760	55
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	68	1.27	1.77	1352	1.9	391	417	66.8	-	-	-	61

SD with coil heat exchanger

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014																					
Air Handling Unit		Working point		Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent comp	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA	
Size	In and outlet connections																				%
14	Duct	1	Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.04	80	0.2	14	0	14	66.8	-	-	-	28
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.91	126	0.2	932	0	14	66.8	-	-	69	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	72	1.10	0.90	530	1.3	300	167	300	66.8	-	-	57	
			Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	69	1.77	1.41	1331	2.0	20	348	66.8	1	0	2580	65	
	Full face		Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	69	1.77	1.37	1354	2.0	0	348	66.8	-	-	-	65	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.04	80	0.2	0	14	66.8	-	-	-	28	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.91	125	0.2	932	14	66.8	-	-	-	69	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	72	1.10	0.90	522	1.3	300	165	66.8	-	-	-	56	
	Duct		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	69	1.78	1.41	1320	2.1	20	343	66.8	1	0	2610	65	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	69	1.78	1.37	1344	2.1	0	343	66.8	-	-	-	65	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.04	88	0.2	0	14	66.0	-	-	-	28	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	1.23	139	0.2	1159	14	66.0	-	-	-	72	
	Full face		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	72	1.20	1.23	608	1.4	400	191	66.0	-	-	-	58	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	69	1.80	2.13	1177	2.1	310	356	66.0	1	0	2300	66	
Red		Max. - low	NRUV, BVU	variable size	Run-around	Run-around	69	1.79	1.40	1368	2.1	0	355	66.0	-	-	-	66			
Red		Min. - high	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	0.04	87	0.2	0	14	66.0	-	-	-	28			
20	Duct	1	Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	81	0.20	1.23	139	0.2	1159	14	66.0	-	-	-	72	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	72	1.20	1.23	608	1.4	400	191	66.0	-	-	-	58	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.80	1.51	936	1.9	250	297	66.7	-	-	-	58	
			Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	1.91	2.78	1266	2.2	457	392	66.7	1	0	2480	62	
	Full face		Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	1.91	1.36	1263	2.2	0	392	66.7	-	-	-	59	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	0.06	123	0.4	0	25	66.7	-	-	-	32	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	1.32	217	0.4	938	25	66.7	-	-	-	68	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.80	1.49	920	1.9	250	292	66.7	-	-	-	58	
	Duct		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	1.92	2.78	1242	2.2	464	385	66.7	1	0	2500	62	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	68	1.92	1.34	1242	2.2	0	385	66.7	-	-	-	59	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	0.07	157	0.4	0	25	65.7	-	-	-	32	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	1.79	240	0.4	1168	25	65.7	-	-	-	70	
	Full face		Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.70	1.83	1039	2.0	300	326	65.7	-	-	-	59	
			Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	1.91	3.76	1287	2.2	755	392	65.7	5	0	2530	64	
			Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	1.91	1.38	1285	2.2	0	392	65.7	-	-	-	59	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	0.07	156	0.4	0	25	65.7	-	-	-	32	
25	Duct	1	Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	77	0.30	1.79	239	0.4	1168	1.79	25	65.7	-	-	-	70
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.70	1.81	1020	2.0	300	321	65.7	-	-	-	59	
			Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	1.92	3.76	1270	2.2	757	387	65.7	5	0	2550	64	
			Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	1.92	1.38	1272	2.2	0	387	65.7	-	-	-	59	
	Full face		Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	0.05	68	0.2	0	14	66.7	-	-	-	29	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	1.32	123	0.2	948	14	66.7	-	-	-	68	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.80	1.31	539	1.2	300	172	66.7	-	-	-	57	
			Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	2.43	1213	1.9	156	349	66.7	1	0	2940	65	
	Duct		Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	2.51	1.67	1301	1.9	0	344	66.7	-	-	-	64	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	0.05	67	0.2	0	14	66.7	-	-	-	29	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	1.32	122	0.2	948	14	66.7	-	-	-	68	
			Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	70	1.80	1.30	527	1.2	300	168	66.7	-	-	-	57	
	Full face		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	2.42	1191	1.9	157	341	66.7	1	0	2970	65	
			Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	1.89	1303	1.9	0	341	66.7	-	-	-	64	
			Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	0.06	87	0.2	0	14	65.7	-	-	-	29	
			Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	1.79	239	0.4	1178	14	65.7	-	-	-	70	
Duct	2	Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	69	1.80	1.87	654	1.3	400	206	65.7	-	-	-	60		
		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	3.56	1124	1.9	476	349	65.7	1	0	2730	66		
		Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	2.51	1.87	1303	1.9	0	347	65.7	-	-	-	64		
		Red	Min. - low	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	0.06	86	0.2	0	14	65.7	-	-	-	29		
Full face		Red	Min. - high	NRUV, BVU	variable size	Run-around	Run-around	79	0.30	1.79	134	0.2	1178	14	65.7	-	-	-	70		
		Yellow	Average	NRUV, BVU	variable size	Run-around	Run-around	69	1.80	1.86	640	1.3	400	202	65.7	-	-	-	60		
		Blue	Max. - high	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	3.56	1095	1.9	485	340	65.7	6	0	2730	66		
		Red	Max. - low	NRUV, BVU	variable size	Run-around	Run-around	68	2.53	1.87	1290	1.9	0	340	65.7	-	-	-	64		

SD with coil heat exchanger

Part of information requirements for NRVU according to Regulation (EU) No 1253/2014														
Air Handling Unit	Motor option	In and outlet connections	Working point	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPInt	Face velocity	Nominal external pressure	Internal pressure drop vent comp
Size		Colour	Min. - low	Min. - high	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPInt	Face velocity	Nominal external pressure	Internal pressure drop vent comp	Overall fan efficiency (EU) No 327/2011
30	1	Red	Min. - low	Min. - high	NRVU, BVU variable size	Run-around	73	0.50	0.08	125	0.4	0	30	65.2
		Red	Min. - low	Min. - high	NRVU, BVU variable size	Run-around	73	0.50	2.29	242	0.4	1047	30	65.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	69	2.20	2.05	902	1.6	250	281	65.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	2.51	4.64	1170	1.9	697	344	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	2.51	1.59	1105	1.9	0	344	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	73	0.50	0.08	124	0.4	0	30	65.2
	2	Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	73	0.50	2.29	240	0.4	1048	30	65.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	69	2.20	2.02	879	1.6	250	275	65.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	2.52	4.65	1150	1.9	699	339	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	2.52	1.58	1090	1.9	0	339	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	73	0.50	0.09	130	0.4	0	30	67.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	73	0.50	2.74	257	0.4	1192	30	67.2
35	1	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	2.40	2.61	1039	1.8	300	322	67.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	2.51	5.63	1223	1.9	874	347	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	2.51	1.60	1114	1.9	0	347	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	73	0.50	0.09	128	0.4	0	30	67.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	73	0.50	2.74	254	0.4	1193	30	67.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	68	2.40	2.57	1012	1.8	300	314	67.2
	2	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	2.53	5.64	1201	1.9	875	341	67.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	2.53	1.60	1099	1.9	0	341	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	78	0.50	0.07	68	0.3	0	17	65.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	78	0.50	2.29	136	0.3	1060	17	65.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	71	2.40	2.16	524	1.3	350	165	65.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	3.92	4.00	1341	2.1	134	352	65.2
40	1	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	70	3.69	2.88	1348	2.0	0	320	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	78	0.50	0.07	67	0.3	0	16	65.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	78	0.50	2.29	133	0.3	1061	16	65.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	71	2.40	2.13	502	1.3	350	158	65.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	3.97	3.95	1336	2.2	117	339	65.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	70	3.75	2.93	1346	2.1	0	311	65.2
	2	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	78	0.50	0.07	71	0.3	0	17	67.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	78	0.50	2.74	144	0.3	1205	17	67.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	71	2.80	2.86	597	1.4	450	186	67.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	4.00	5.02	1275	2.2	302	363	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	70	3.69	2.88	1352	2.0	0	320	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	78	0.50	0.07	69	0.3	0	16	67.2
40	1	Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	78	0.50	2.74	141	0.3	1206	16	67.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	71	2.80	2.83	571	1.4	450	178	67.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	4.00	5.02	1208	2.2	321	344	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	70	3.74	2.92	1345	2.0	0	310	67.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	74	0.75	0.11	113	0.4	0	29	70.5
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	74	0.75	3.57	241	0.4	1084	29	70.5
	2	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	71	2.70	2.15	633	1.5	250	198	70.5
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	69	4.22	7.28	1319	2.3	587	395	70.5
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	4.30	3.17	1315	2.4	0	406	70.5
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	74	0.75	0.11	110	0.4	0	29	70.5
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	74	0.75	3.57	235	0.4	1084	29	70.5
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	71	2.70	2.11	603	1.5	250	189	70.5
40	1	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	4.38	7.25	1308	2.4	555	394	70.5
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	4.41	3.24	1306	2.4	0	399	70.5
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	74	0.75	0.13	124	0.4	0	29	69.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	74	0.75	4.76	254	0.4	1396	29	69.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	70	3.30	3.52	857	1.8	350	269	69.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	69	4.23	10.05	1320	2.3	977	395	69.2
	2	Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	69	4.29	3.17	1315	2.3	0	405	69.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	74	0.75	0.12	121	0.4	0	29	69.2
		Red	Min. - high	Min. - high	NRVU, BVU variable size	Run-around	74	0.75	4.76	248	0.4	1396	29	69.2
		Yellow	Average	Average	NRVU, BVU variable size	Run-around	70	3.30	3.44	813	1.8	350	256	69.2
		Blue	Max. - high	Max. - high	NRVU, BVU variable size	Run-around	68	4.38	10.10	1308	2.4	948	395	69.2
		Red	Min. - low	Min. - low	NRVU, BVU variable size	Run-around	68	4.40	3.23	1304	2.4	0	397	69.2

SD with coil heat exchanger

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent comb	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LwA	
																				%
50	1	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	75	0.75	0.10	81	0.3	0	22	66.7	-	-	-	-	-	34
			Red	Min. - high	NRVU, BVU variable speed	Run-around	75	0.75	3.57	176	0.3	1092	22	66.7	-	-	-	-	72	
			Yellow	Average	NRVU, BVU variable speed	Run-around	70	3.10	2.86	568	1.2	350	178	66.7	-	-	-	-	60	
			Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.19	6.74	1307	2.0	339	394	66.7	1	0	6480	68		
			Red	Max. - low	NRVU, BVU variable speed	Run-around	69	5.01	3.73	1314	1.9	0	373	66.7	-	-	-	-	66	
	Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	75	0.75	0.10	79	0.3	0	21	66.7	-	-	-	-	-	34	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	75	0.75	3.57	173	0.3	1092	21	66.7	-	-	-	-	-	72	
		Yellow	Average	NRVU, BVU variable speed	Run-around	70	3.10	2.82	543	1.2	350	170	66.7	-	-	-	-	-	60	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.30	6.55	1286	2.0	318	386	66.7	1	0	6750	68			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.11	3.11	1310	1.9	0	365	66.7	-	-	-	-	-	67	
	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	75	0.75	0.11	88	0.3	0	22	65.7	-	-	-	-	-	34	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	75	0.75	4.76	186	0.3	1404	22	65.7	-	-	-	-	-	75	
		Yellow	Average	NRVU, BVU variable speed	Run-around	70	3.30	3.68	625	1.3	450	195	65.7	-	-	-	-	-	62	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.31	9.88	1301	2.0	710	409	65.7	1	0	6460	70			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	69	4.99	3.72	1315	1.9	0	371	65.7	-	-	-	-	-	66	
Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	75	0.75	0.11	86	0.3	0	21	65.7	-	-	-	-	-	34		
	Red	Min. - high	NRVU, BVU variable speed	Run-around	75	0.75	4.76	182	0.3	1404	21	65.7	-	-	-	-	-	75		
	Yellow	Average	NRVU, BVU variable speed	Run-around	70	3.30	3.63	597	1.3	450	187	65.7	-	-	-	-	-	62		
	Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.34	9.65	1246	2.0	717	391	65.7	1	0	6540	70				
	Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.09	3.79	1310	1.9	0	363	65.7	-	-	-	-	-	67		
60	1	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	72	1.00	0.16	124	0.4	0	32	65.2	-	-	-	-	-	37
			Red	Min. - high	NRVU, BVU variable speed	Run-around	72	1.00	4.65	265	0.4	1053	32	65.2	-	-	-	-	-	73
			Yellow	Average	NRVU, BVU variable speed	Run-around	69	4.30	4.49	954	1.6	300	294	65.2	-	-	-	-	-	63
			Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.10	9.42	1311	1.9	647	383	65.2	1	0	6480	68		
			Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.28	3.87	1302	2.0	0	405	65.2	-	-	-	-	-	63
	Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	72	1.00	0.16	121	0.4	0	32	65.2	-	-	-	-	-	37	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	72	1.00	4.65	259	0.4	1054	32	65.2	-	-	-	-	-	73	
		Yellow	Average	NRVU, BVU variable speed	Run-around	69	4.30	4.39	906	1.6	300	280	65.2	-	-	-	-	-	62	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.28	9.48	1301	2.0	624	384	65.2	1	0	6830	68			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.29	3.70	1241	2.0	0	385	65.2	-	-	-	-	-	63	
	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	72	1.00	0.21	161	0.4	0	32	67.4	-	-	-	-	-	37	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	72	1.00	7.12	302	0.4	1443	32	67.4	-	-	-	-	-	76	
		Yellow	Average	NRVU, BVU variable speed	Run-around	69	4.50	5.54	1016	1.7	400	316	67.4	-	-	-	-	-	64	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	69	5.02	13.59	1312	1.9	1119	374	67.4	1	0	6470	72			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.24	3.85	1306	2.0	0	401	67.4	-	-	-	-	-	63	
Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	72	1.00	0.20	157	0.4	0	32	67.4	-	-	-	-	-	37		
	Red	Min. - high	NRVU, BVU variable speed	Run-around	72	1.00	7.13	295	0.4	1444	32	67.4	-	-	-	-	-	76		
	Yellow	Average	NRVU, BVU variable speed	Run-around	69	4.50	5.42	965	1.7	400	300	67.4	-	-	-	-	-	64		
	Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	5.20	13.83	1306	2.0	1104	375	67.4	1	0	6820	72				
	Red	Max. - low	NRVU, BVU variable speed	Run-around	68	5.32	3.82	1271	2.0	0	388	67.4	-	-	-	-	-	63		
70	1	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	74	1.00	0.13	82	0.3	0	23	65.2	-	-	-	-	-	35
			Red	Min. - high	NRVU, BVU variable speed	Run-around	74	1.00	4.65	184	0.3	1064	23	65.2	-	-	-	-	-	73
			Yellow	Average	NRVU, BVU variable speed	Run-around	70	4.80	4.84	737	1.6	350	230	65.2	-	-	-	-	-	63
			Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	6.83	9.91	1308	2.2	347	399	65.2	1	0	8350	69		
			Red	Max. - low	NRVU, BVU variable speed	Run-around	69	6.61	4.92	1319	2.2	0	379	65.2	-	-	-	-	-	67
	Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	74	1.00	0.13	81	0.3	0	22	65.2	-	-	-	-	-	35	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	74	1.00	4.65	181	0.3	1064	22	65.2	-	-	-	-	-	73	
		Yellow	Average	NRVU, BVU variable speed	Run-around	70	4.80	4.77	707	1.6	350	221	65.2	-	-	-	-	-	63	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	6.85	8.80	1288	2.3	328	391	65.2	1	0	8640	69			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	69	6.74	5.02	1313	2.2	0	372	65.2	-	-	-	-	-	67	
	Duct	Red	Min. - low	NRVU, BVU variable speed	Run-around	74	1.00	0.18	112	0.3	0	23	67.4	-	-	-	-	-	35	
		Red	Min. - high	NRVU, BVU variable speed	Run-around	74	1.00	7.12	210	0.3	1454	23	67.4	-	-	-	-	-	76	
		Yellow	Average	NRVU, BVU variable speed	Run-around	70	5.20	6.29	832	1.7	450	262	67.4	-	-	-	-	-	65	
		Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	6.76	14.92	1312	2.2	880	393	67.4	1	0	8350	71			
		Red	Max. - low	NRVU, BVU variable speed	Run-around	69	6.51	4.89	1323	2.1	0	371	67.4	-	-	-	-	-	67	
Full face	Red	Min. - low	NRVU, BVU variable speed	Run-around	74	1.00	0.18	110	0.3	0	22	67.4	-	-	-	-	-	35		
	Red	Min. - high	NRVU, BVU variable speed	Run-around	74	1.00	7.12	207	0.3	1454	22	67.4	-	-	-	-	-	76		
	Yellow	Average	NRVU, BVU variable speed	Run-around	70	5.20	6.20	797	1.7	450	251	67.4	-	-	-	-	-	65		
	Blue	Max. - high	NRVU, BVU variable speed	Run-around	68	6.91	14.92	1292	2.3	857	387	67.4	1	0	8670	71				
	Red	Max. - low	NRVU, BVU variable speed	Run-around	69	6.64	4.98	1317	2.2	0	364	67.4	-	-	-	-	-	67		

SD with coil heat exchanger

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014																
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal external pressure	Internal pressure drop vent comp	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, LWA	
80	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Run-around	70	1.50	0.25	148	0.5	0	40	69.2	-	-	-	-	41
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	7.39	331	0.5	1092	40	69.2	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	69	6.00	6.59	1061	2.0	300	327	69.2	-	-	-	64
		Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	69	6.53	13.52	1322	2.1	744	372	69.2	1	0	8380	71	
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	6.91	4.97	1281	2.3	0	406	69.2	-	-	-	63	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	0.25	144	0.5	0	39	69.2	-	-	-	40	
	2	Full face	Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	7.39	324	0.5	1093	39	69.2	-	-	-	75
			Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	69	6.00	6.43	1011	2.0	300	312	69.2	-	-	-	64
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	6.78	13.74	1311	2.2	738	377	69.2	1	0	8760	70
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	6.94	4.83	1233	2.3	0	390	69.2	-	-	-	63	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	0.32	185	0.5	0	40	68.5	-	-	-	41	
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	9.94	350	0.5	1416	40	68.5	-	-	-	78	
100	1	Duct	Red	Min. - low	NRVU, BVU	variable speed	Run-around	69	6.30	8.30	1157	2.1	400	352	68.5	-	-	-	66	
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	69	6.41	17.31	1329	2.1	1058	361	68.5	1	0	8410	74
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	6.89	5.05	1303	2.2	0	404	68.5	-	-	-	63
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	0.31	181	0.5	0	39	68.5	-	-	-	40	
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	70	1.50	9.94	342	0.5	1417	39	68.5	-	-	-	78	
		Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	69	6.30	8.12	1102	2.1	400	336	68.5	-	-	-	66	
	2	Full face	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	6.65	17.68	1314	2.2	1060	364	68.5	1	0	8780	74	
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	6.92	4.91	1256	2.3	0	388	68.5	-	-	-	63
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	0.17	65	0.3	0	20	69.2	-	-	-	36
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	7.40	168	0.3	1112	20	69.2	-	-	-	75	
		Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	71	7.50	7.38	702	1.5	350	222	69.2	-	-	-	66	
		Red	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	69	10.79	13.33	1313	2.2	292	389	69.2	1	0	13700	72	
120	1	Duct	Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	10.33	7.82	1331	2.1	0	363	69.2	-	-	-	70	
			Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	0.17	64	0.3	0	20	69.2	-	-	-	36
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	7.40	166	0.3	1113	20	69.2	-	-	-	75
		Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	71	7.50	7.27	674	1.5	350	213	69.2	-	-	-	65	
		Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	11.00	13.14	1306	2.3	266	382	69.2	1	0	14400	72	
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	69	10.48	7.92	1326	2.1	0	354	69.2	-	-	-	70	
	2	Full face	Red	Min. - low	NRVU, BVU	variable speed	Run-around	75	1.50	0.23	89	0.3	0	20	68.5	-	-	-	36	
			Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	9.95	178	0.3	1436	20	68.5	-	-	-	78
			Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	71	7.50	8.76	718	1.5	450	222	68.5	-	-	-	66
		Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	10.97	20.33	1305	2.2	695	399	68.5	1	0	13600	73	
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	69	10.27	7.78	1332	2.1	0	361	68.5	-	-	-	70	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	75	1.50	0.23	87	0.3	0	20	68.5	-	-	-	36	
120	1	Duct	Red	Min. - high	NRVU, BVU	variable speed	Run-around	75	1.50	9.95	175	0.3	1437	20	68.5	-	-	-	78	
			Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	71	7.50	8.65	689	1.5	450	213	68.5	-	-	-	66
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	11.10	20.26	1270	2.3	676	387	68.5	1	0	14000	73
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	69	10.46	7.93	1328	2.1	0	353	68.5	-	-	-	70	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	0.45	165	0.5	0	43	69.2	-	-	-	44	
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	10.95	329	0.5	1042	43	69.2	-	-	-	77	
	2	Full face	Yellow	Average	NRVU, BVU	variable speed	Run-around	70	9.30	10.21	1029	1.9	300	309	69.2	-	-	-	66	
			Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	69	10.21	20.49	1334	2.1	668	357	69.2	1	0	13800	72
			Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	10.87	8.03	1310	2.2	0	393	69.2	-	-	-	66
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	0.44	160	0.5	0	42	69.2	-	-	-	43	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	10.95	321	0.5	1043	42	69.2	-	-	-	77	
		Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	70	9.30	9.99	983	1.9	300	295	69.2	-	-	-	66	
2	Duct	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	69	10.76	20.91	1314	2.2	673	369	69.2	1	0	14400	72		
		Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	11.02	7.98	1279	2.3	0	383	69.2	-	-	-	66	
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	0.55	201	0.5	0	43	68.5	-	-	-	44	
	Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	15.25	361	0.5	1348	43	68.5	-	-	-	80		
	Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	69	10.00	13.56	1177	2.0	400	345	68.5	-	-	-	68		
	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	70	9.86	26.33	1343	2.0	956	338	68.5	1	0	13900	76		
2	Full face	Red	Max. - low	NRVU, BVU	variable speed	Run-around	69	10.61	7.95	1323	2.2	0	379	68.5	-	-	-	65		
		Red	Min. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	0.54	196	0.5	0	42	68.5	-	-	-	43	
		Red	Min. - high	NRVU, BVU	variable speed	Run-around	Run-around	68	2.50	15.26	353	0.5	1349	42	68.5	-	-	-	80	
	Yellow	Average	NRVU, BVU	variable speed	Run-around	Run-around	69	10.00	13.28	1122	2.0	400	330	68.5	-	-	-	68		
	Blue	Max. - high	NRVU, BVU	variable speed	Run-around	Run-around	69	10.22	26.89	1335	2.1	953	341	68.5	1	0	14500	75		
	Red	Max. - low	NRVU, BVU	variable speed	Run-around	Run-around	68	10.83	8.07	1312	2.2	0	373	68.5	-	-	-	65		

SD, without coil heat exchanger, with filter

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRVU

2018.09.17

Datum

Air Handling Unit		Working point		Part of information requirements for NRVU according to Regulation (EU) No 1253/2014															
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Normal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vent comp.	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, L _{WA}
04	Not applicable	Duct	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.02	48	0.3	0	10	64.8	-	not applicable	-	25
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.32	57	0.3	597	10	64.8	-	not applicable	-	59
			Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.36	0.28	164	1.4	250	79	64.8	-	not applicable	-	45
			Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.45	0.50	230	1.8	363	114	64.8	1	not applicable	730	50
		Full face	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.41	0.14	230	1.6	0	95	64.8	-	not applicable	-	44
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.02	44	0.3	0	9	64.8	-	not applicable	-	26
			Blue	Average	NRVU, BVU	variable speed	none	not applicable	0.36	0.32	52	0.3	597	9	64.8	-	not applicable	-	59
			Yellow	Max - high	NRVU, BVU	variable speed	none	not applicable	0.53	0.48	230	2.1	291	115	64.8	1	not applicable	990	51
		Duct	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.45	0.16	230	1.8	0	89	64.8	-	not applicable	-	46
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.02	48	0.3	0	10	65.5	-	not applicable	-	25
			Blue	Average	NRVU, BVU	variable speed	none	not applicable	0.08	0.56	65	0.3	955	10	65.5	-	not applicable	-	63
			Yellow	Max - high	NRVU, BVU	variable speed	none	not applicable	0.40	0.41	191	1.6	350	93	65.5	-	not applicable	-	48
05	1	Duct	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.43	0.93	230	1.7	832	105	65.5	1	not applicable	719	58
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.41	0.14	230	1.6	0	95	65.5	-	not applicable	-	44
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.02	44	0.3	0	9	65.5	-	not applicable	-	26
			Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.56	60	0.3	956	9	65.5	-	not applicable	-	63
		Full face	Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.40	0.39	152	1.6	350	74	65.5	-	not applicable	-	48
			Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.52	0.37	230	2.1	741	112	65.5	1	not applicable	984	55
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.45	0.16	230	1.8	0	89	65.5	-	not applicable	-	46
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.03	60	0.3	0	10	63.5	-	not applicable	-	25
		Duct	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.73	71	0.3	1151	10	63.5	-	not applicable	-	65
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.40	0.49	158	1.6	450	74	63.5	-	not applicable	-	50
			Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.41	1.19	230	1.6	4074	93	63.5	1	not applicable	710	64
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.40	0.14	230	1.6	0	93	63.5	-	not applicable	-	43
07	2	Full face	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.03	55	0.3	0	9	63.5	-	not applicable	-	26
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.73	65	0.3	1152	9	63.5	-	not applicable	-	65
			Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.40	0.49	158	1.6	450	74	63.5	-	not applicable	-	50
			Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.50	1.25	230	2.0	992	106	63.5	1	not applicable	969	58
		Duct	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.45	0.16	230	1.8	0	90	63.5	-	not applicable	-	46
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.02	26	0.2	0	6	65.5	-	not applicable	-	21
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.47	33	0.2	972	6	65.5	-	not applicable	-	64
			Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.50	0.43	87	1.3	400	50	65.5	-	not applicable	-	50
		Full face	Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.80	0.81	195	2.1	376	101	65.5	1	not applicable	1300	58
			Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.78	0.27	230	2.0	0	96	65.5	-	not applicable	-	58
			Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.03	33	0.2	0	6	63.5	-	not applicable	-	21
			Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.64	37	0.2	1169	6	63.5	-	not applicable	-	65
Duct	Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.50	0.57	136	1.3	500	74	63.5	-	not applicable	-	51		
	Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.70	1.26	230	1.8	826	128	63.5	1	not applicable	973	57		
	Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.53	0.20	230	1.4	0	82	63.5	-	not applicable	-	50		
	Red	Min - low	NRVU, BVU	variable speed	none	not applicable	0.08	0.03	30	0.2	0	5	63.5	-	not applicable	-	21		
Full face	Red	Min - high	NRVU, BVU	variable speed	none	not applicable	0.08	0.64	33	0.2	1169	5	63.5	-	not applicable	-	65		
	Yellow	Average	NRVU, BVU	variable speed	none	not applicable	0.50	0.55	92	1.3	500	50	63.5	-	not applicable	-	51		
	Blue	Max - high	NRVU, BVU	variable speed	none	not applicable	0.80	1.20	230	2.1	658	101	63.5	1	not applicable	1310	59		
	Red	Max - low	NRVU, BVU	variable speed	none	not applicable	0.61	0.25	230	1.6	0	67	63.5	-	not applicable	-	53		

SD, without coil heat exchanger, with filter

Air Handling Unit			Working point		Part of information requirements for NRVCU according to Regulation (EU) No 1253/2014														
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Normal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure	Internal pressure drop vent comp.	Overall fan efficiency (EU) No 327/2011	Maximum external leaking rate	Maximum internal leakage	Energy performance of filters	Casing sound power level, L _{WA}
08	1	Duct	Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	54	0.5	0	19	65.4	-	not applicable	-	25
			Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.85	76	0.5	966	19	65.4	-	not applicable	-	66
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.70	0.67	234	1.8	350	128	65.4	-	not applicable	-	51
		Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	0.85	1.34	230	1.7	855	114	65.4	1	not applicable	959	58	
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.65	0.22	230	1.7	0	112	65.4	-	not applicable	-	47	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	44	0.5	0	15	65.4	-	not applicable	-	25	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.85	61	0.5	970	15	65.4	-	not applicable	-	66
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.70	0.62	150	1.8	350	82	65.4	-	not applicable	-	51
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	0.92	1.35	230	2.4	628	126	65.4	1	not applicable	1720	57
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.77	0.27	230	2.0	0	95	65.4	-	not applicable	-	51	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	55	0.5	0	19	67.4	-	not applicable	-	25	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	1.11	63	0.5	1170	19	67.4	-	not applicable	-	68	
11	1	Duct	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.70	0.79	230	1.8	450	128	67.4	-	not applicable	-	52
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.70	0.79	230	1.8	450	128	67.4	-	not applicable	-	52
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	0.64	1.66	230	1.7	1081	110	67.4	1	not applicable	954	63
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.64	0.20	219	1.7	0	110	67.4	-	not applicable	-	47	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	44	0.5	0	15	67.4	-	not applicable	-	25	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	1.11	66	0.5	1174	15	67.4	-	not applicable	-	68	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.70	0.73	147	1.8	450	82	67.4	-	not applicable	-	52
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.70	0.73	147	1.8	450	82	67.4	-	not applicable	-	52
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	0.93	1.76	230	2.4	874	128	67.4	1	not applicable	1730	58
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.79	0.27	230	2.0	0	99	67.4	-	not applicable	-	52	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	28	0.3	0	10	65.4	-	not applicable	-	24	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.76	36	0.3	982	10	65.4	-	not applicable	-	66	
12	1	Duct	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.75	0.65	84	1.3	400	49	65.4	-	not applicable	-	52
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.75	0.65	84	1.3	400	49	65.4	-	not applicable	-	52
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.20	1.16	189	2.0	330	98	65.4	1	not applicable	2110	61
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.95	0.38	230	1.6	0	69	65.4	-	not applicable	-	56	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	29	0.3	0	10	67.4	-	not applicable	-	24	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.99	40	0.3	1188	10	67.4	-	not applicable	-	68	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.80	0.83	118	1.4	500	71	67.4	-	not applicable	-	53
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.80	0.83	118	1.4	500	71	67.4	-	not applicable	-	53
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.18	1.63	230	2.0	620	134	67.4	1	not applicable	1720	60
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.90	0.33	230	1.5	0	86	67.4	-	not applicable	-	55	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	26	0.3	0	9	67.4	-	not applicable	-	24	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.99	35	0.3	1189	9	67.4	-	not applicable	-	68	
12	1	Duct	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.80	0.80	89	1.4	500	53	67.4	-	not applicable	-	53
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	0.80	0.80	89	1.4	500	53	67.4	-	not applicable	-	53
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.20	1.61	171	2.0	619	98	67.4	1	not applicable	1820	61
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	0.98	0.38	230	1.7	0	72	67.4	-	not applicable	-	57	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	29	0.3	0	10	66.8	-	not applicable	-	24	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.91	45	0.3	935	10	66.8	-	not applicable	-	66	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.00	0.72	162	1.7	300	102	66.8	-	not applicable	-	52
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	1.00	0.72	162	1.7	300	102	66.8	-	not applicable	-	52
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.21	1.78	230	2.1	703	140	66.8	1	not applicable	1740	58
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	1.12	0.36	230	1.9	0	122	66.8	-	not applicable	-	52	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.03	26	0.3	0	9	66.8	-	not applicable	-	23	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.91	40	0.3	936	9	66.8	-	not applicable	-	66	
12	1	Duct	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.00	0.67	118	1.7	300	74	66.8	-	not applicable	-	51
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	1.00	0.67	118	1.7	300	74	66.8	-	not applicable	-	51
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.53	1.64	230	2.6	477	144	66.8	1	not applicable	2760	59
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	1.25	0.43	230	2.1	0	104	66.8	-	not applicable	-	55	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	32	0.3	0	10	66.0	-	not applicable	-	24	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	1.23	50	0.3	1162	10	66.0	-	not applicable	-	69	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.00	0.69	166	1.7	400	102	66.0	-	not applicable	-	53
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	1.00	0.69	166	1.7	400	102	66.0	-	not applicable	-	53
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.18	2.40	230	2.0	1006	135	66.0	1	not applicable	1720	60
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	1.11	0.36	230	1.9	0	122	66.0	-	not applicable	-	52	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	28	0.3	0	9	66.0	-	not applicable	-	23	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	1.23	45	0.3	1163	9	66.0	-	not applicable	-	69	
12	1	Duct	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.00	0.64	120	1.7	400	74	66.0	-	not applicable	-	52
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	1.00	0.64	120	1.7	400	74	66.0	-	not applicable	-	52
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.53	2.37	230	2.6	773	144	66.0	1	not applicable	2760	60
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	0.20	0.04	230	2.1	0	105	66.0	-	not applicable	-	55	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	0.20	0.43	230	2.1	0	105	66.0	-	not applicable	-	55	
	2	Full face	Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55
			Yellow	Average	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55
			Blue	Max - high	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55
		Red	Max - low	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55	
		Red	Min - low	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55	
		Red	Min - high	NRVCU BVU	variable speed	none	not applicable	1.26	0.43	230	2.1	0	105	66.0	-	not applicable	-	55	

SD, without coil heat exchanger, with filter

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014									
Air Handling Unit	Working point	AHU type	Type of drive	Type of HRS	Thermal efficiency	Normal flow rate	Effective electric power	SPint	Face velocity
Size	Colour	Remark			%	m³/s	kW	W/(m²/s)	m/s
14	Duct	Min. - low	NRUV BVU	variable speed	not applicable	0.20	0.03	22	0.2
		Min. - high	NRUV BVU	variable speed	not applicable	0.20	0.91	35	0.2
		Average	NRUV BVU	variable speed	not applicable	1.10	0.79	83	1.3
		Max. - high	NRUV BVU	variable speed	not applicable	1.80	1.38	197	2.1
1	Full face	Min. - low	NRUV BVU	variable speed	not applicable	1.48	0.66	230	1.7
		Min. - high	NRUV BVU	variable speed	not applicable	0.20	0.03	22	0.2
		Average	NRUV BVU	variable speed	not applicable	1.10	0.78	79	1.3
		Max. - high	NRUV BVU	variable speed	not applicable	1.80	1.38	184	2.1
2	Duct	Min. - low	NRUV BVU	variable speed	not applicable	1.51	0.58	230	1.8
		Min. - high	NRUV BVU	variable speed	not applicable	0.20	0.04	24	0.2
		Average	NRUV BVU	variable speed	not applicable	1.20	1.06	92	2.1
		Max. - high	NRUV BVU	variable speed	not applicable	1.80	2.13	162	2.1
1	Full face	Min. - low	NRUV BVU	variable speed	not applicable	1.49	0.57	230	1.7
		Min. - high	NRUV BVU	variable speed	not applicable	0.20	0.04	24	0.2
		Average	NRUV BVU	variable speed	not applicable	1.20	1.06	88	1.4
		Max. - high	NRUV BVU	variable speed	not applicable	1.80	2.13	151	2.1
20	Duct	Min. - low	NRUV BVU	variable speed	not applicable	1.52	0.59	230	1.8
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.04	28	0.4
		Average	NRUV BVU	variable speed	not applicable	1.60	1.21	131	1.9
		Max. - high	NRUV BVU	variable speed	not applicable	2.34	2.58	230	2.7
2	Full face	Min. - low	NRUV BVU	variable speed	not applicable	1.89	0.64	230	2.2
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.04	28	0.4
		Average	NRUV BVU	variable speed	not applicable	1.60	1.20	230	2.8
		Max. - high	NRUV BVU	variable speed	not applicable	2.44	2.50	230	2.8
1	Duct	Min. - low	NRUV BVU	variable speed	not applicable	1.94	0.67	36	0.4
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.06	36	0.4
		Average	NRUV BVU	variable speed	not applicable	1.80	1.57	57	0.4
		Max. - high	NRUV BVU	variable speed	not applicable	2.39	3.66	230	2.8
2	Full face	Min. - low	NRUV BVU	variable speed	not applicable	1.87	0.64	230	2.2
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.06	36	0.4
		Average	NRUV BVU	variable speed	not applicable	1.80	1.55	146	2.1
		Max. - high	NRUV BVU	variable speed	not applicable	2.52	3.56	230	2.9
1	Duct	Min. - low	NRUV BVU	variable speed	not applicable	1.92	0.66	230	2.2
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.04	22	0.3
		Average	NRUV BVU	variable speed	not applicable	1.60	1.15	94	1.3
		Max. - high	NRUV BVU	variable speed	not applicable	2.71	2.25	230	2.3
2	Full face	Min. - low	NRUV BVU	variable speed	not applicable	2.13	0.77	230	1.8
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.04	22	0.3
		Average	NRUV BVU	variable speed	not applicable	1.80	1.14	88	1.3
		Max. - high	NRUV BVU	variable speed	not applicable	2.75	2.20	226	2.3
25	Duct	Min. - low	NRUV BVU	variable speed	not applicable	2.18	0.81	230	1.8
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.05	28	0.3
		Average	NRUV BVU	variable speed	not applicable	1.80	1.63	110	1.5
		Max. - high	NRUV BVU	variable speed	not applicable	2.80	3.28	210	2.4
2	Full face	Min. - low	NRUV BVU	variable speed	not applicable	2.12	0.77	230	1.8
		Min. - high	NRUV BVU	variable speed	not applicable	0.30	0.05	28	0.3
		Average	NRUV BVU	variable speed	not applicable	1.80	1.62	103	1.5
		Max. - high	NRUV BVU	variable speed	not applicable	2.80	3.28	191	2.4

SD, without coil heat exchanger, with filter

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014													
Air Handling Unit	Motor option	In and outlet connections	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure
			Colour	Remark									
Size								%	m³/s	kW	W/(m²/s)	m/s	Pa
30	1	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.50	0.07	32	0.4	16
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	2.29	65	0.4	1061
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.50	1.81	168	2.1	300
		Full face	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.10	4.61	230	2.6	718
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	2.52	0.85	230	2.1	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.07	32	0.4	16
	2	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.50	2.29	63	0.4	1062
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.50	1.78	154	2.1	300
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.35	4.47	230	2.8	624
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	2.60	0.89	230	2.2	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.07	34	0.4	16
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.60	2.54	178	2.2	450
35	1	Duct	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.04	5.72	230	2.5	935
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	2.50	0.85	230	2.1	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.07	33	0.4	16
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.50	2.74	67	0.4	1207
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.60	2.50	162	2.2	450
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.33	5.58	230	2.8	825
	2	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	2.58	0.89	230	2.2	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.06	18	0.3	9
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.50	2.29	36	0.3	1069
		Full face	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.50	4.02	166	2.1	400
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	3.09	1.20	230	1.7	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.06	17	0.3	8
35	1	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.50	2.29	34	0.3	1069
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.50	1.78	76	1.4	350
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	3.55	3.97	160	2.2	383
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	3.25	1.32	230	1.8	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.06	18	0.3	9
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.70	2.42	98	1.5	450
	2	Duct	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	4.00	5.01	161	2.2	561
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	3.07	1.20	230	1.7	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.50	0.06	17	0.3	8
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.50	2.74	37	0.3	1214
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	2.70	2.38	84	1.5	450
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	4.00	5.01	147	2.2	580
40	1	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	3.23	1.32	230	1.8	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	25	0.4	14
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.00	1.96	109	1.6	300
		Full face	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	4.99	8.92	230	2.7	853
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	4.11	1.39	230	2.3	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	23	0.4	13
	2	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.75	3.57	53	0.4	1100
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.00	1.90	92	1.6	300
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	5.72	6.20	230	3.1	434
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	4.43	1.56	230	2.4	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	27	0.4	14
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.50	2.92	134	1.9	400
40	1	Duct	Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	5.11	9.98	230	2.8	1033
			Red	Min - low	NRUV-BVU	variable speed	none	not applicable	4.15	1.40	230	2.3	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	25	0.4	13
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	0.75	4.76	59	0.4	1411
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.50	2.84	111	1.9	400
			Blue	Max - high	NRUV-BVU	variable speed	none	not applicable	6.00	9.92	226	3.3	763
	2	Duct	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	4.54	1.58	230	2.5	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	25	0.4	1412
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.50	2.84	111	1.9	400
		Full face	Red	Min - low	NRUV-BVU	variable speed	none	not applicable	4.54	1.58	230	2.5	0
			Red	Min - high	NRUV-BVU	variable speed	none	not applicable	0.75	0.09	25	0.4	1412
			Yellow	Average	NRUV-BVU	variable speed	none	not applicable	3.50	2.84	111	1.9	400

SD, without coil heat exchanger, with filter

Part of information requirements for NRVU according to Regulation (EU) No 1253/2014

Air Handling Unit	Motor option	In and outlet connections	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency %	Nominal flow rate m³/s	Effective electric power kW	SPint V/(m³/s)	Face velocity m/s	Nominal external pressure Pa	Internal pressure drop vent comp. Pa	Overall fan efficiency (EU) No 327/2011 %	Maximum external leaking rate %	Maximum internal leakage %	Energy performance of filters kWh/year	Casing sound power level LWA
			Colour	Remark															
50	1	Duct	Red	Min - low	NRVU BVU	variable speed	none	not applicable	0.75	0.08	22	0.3	0	12	66.7	-	not applicable	-	29
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.75	3.57	49	0.3	1102	12	66.7	-	not applicable	-	69
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	3.30	2.40	102	1.4	350	65	66.7	-	not applicable	-	57
		Full face	Blue	Max - high	NRVU BVU	variable speed	none	not applicable	5.67	6.27	230	2.5	454	132	66.7	1	not applicable	9180	66
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	4.42	1.55	230	1.9	0	95	66.7	-	not applicable	-	60
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	0.75	0.08	21	0.3	0	12	66.7	-	not applicable	-	28
	2	Duct	Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.75	3.57	47	0.3	1102	12	66.7	-	not applicable	-	69
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	3.30	2.35	89	1.4	350	57	66.7	-	not applicable	-	57
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	5.95	5.92	213	2.6	369	114	66.7	1	not applicable	10700	67
		Full face	Red	Max - low	NRVU BVU	variable speed	none	not applicable	4.66	1.70	230	2.0	0	85	66.7	-	not applicable	-	61
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	0.75	0.09	23	0.3	0	12	66.7	-	not applicable	-	29
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.75	4.76	51	0.3	1414	12	65.7	-	not applicable	-	72
60	1	Duct	Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.75	4.76	50	0.3	1414	12	65.7	-	not applicable	-	72
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	3.60	3.46	188	2.6	500	63	65.7	-	not applicable	-	59
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	5.95	9.31	230	2.6	775	142	65.7	1	not applicable	9300	68
		Full face	Red	Max - low	NRVU BVU	variable speed	none	not applicable	4.53	1.58	230	2.0	0	98	65.7	-	not applicable	-	61
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	0.75	0.09	22	0.3	0	12	65.7	-	not applicable	-	28
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.75	4.76	50	0.3	1414	12	65.7	-	not applicable	-	72
	2	Duct	Red	Max - high	NRVU BVU	variable speed	none	not applicable	6.00	9.31	188	2.6	787	115	65.7	1	not applicable	9550	68
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	4.85	1.74	230	2.1	0	89	65.7	-	not applicable	-	62
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.12	23	0.4	0	16	65.2	-	not applicable	-	31
		Full face	Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	4.65	67	0.4	1070	16	65.2	-	not applicable	-	70
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.20	3.89	188	2.3	300	118	65.2	-	not applicable	-	60
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	5.88	9.46	230	2.6	784	139	65.2	1	not applicable	9300	65
70	1	Duct	Red	Max - low	NRVU BVU	variable speed	none	not applicable	5.12	1.69	230	2.2	0	115	65.2	-	not applicable	-	58
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.12	27	0.4	0	16	65.2	-	not applicable	-	31
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	4.65	64	0.4	1071	16	65.2	-	not applicable	-	70
		Full face	Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.20	3.73	155	2.3	300	97	65.2	-	not applicable	-	60
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	7.00	8.78	230	3.1	569	139	65.2	1	not applicable	12900	66
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	5.49	1.87	230	2.4	0	103	65.2	-	not applicable	-	59
	2	Duct	Red	Min - low	NRVU BVU	variable speed	none	not applicable	0.00	0.00									
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	0.00										
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	0.00										
		Full face	Blue	Max - high	NRVU BVU	variable speed	none	not applicable	0.00										
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	0.00										
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.16	38	0.4	0	16	67.4	-	not applicable	-	31
80	1	Duct	Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	7.13	73	0.4	1461	16	67.4	-	not applicable	-	73
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.40	4.79	163	2.4	400	101	67.4	-	not applicable	-	61
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	6.94	14.92	230	3.0	1100	138	67.4	1	not applicable	12800	68
		Full face	Red	Max - low	NRVU BVU	variable speed	none	not applicable	5.34	1.85	230	2.3	0	100	67.4	-	not applicable	-	59
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.10	17	0.3	0	10	65.2	-	not applicable	-	29
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	4.65	40	0.3	1077	10	65.2	-	not applicable	-	70
	2	Duct	Red	Max - high	NRVU BVU	variable speed	none	not applicable	5.50	4.18	114	1.8	350	71	65.2	-	not applicable	-	61
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	7.60	8.14	180	2.5	457	109	65.2	1	not applicable	10800	67
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	6.18	2.28	230	2.0	0	83	65.2	-	not applicable	-	62
		Full face	Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.10	16	0.3	0	9	65.2	-	not applicable	-	29
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	4.65	30	0.3	1077	9	65.2	-	not applicable	-	70
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.50	4.08	95	1.8	350	59	65.2	-	not applicable	-	61
90	1	Duct	Blue	Max - high	NRVU BVU	variable speed	none	not applicable	7.85	7.84	182	2.6	410	89	65.2	1	not applicable	11700	68
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	6.59	2.56	230	2.2	0	73	65.2	-	not applicable	-	63
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.15	24	0.3	0	10	67.4	-	not applicable	-	29
		Full face	Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	7.13	46	0.3	1467	10	67.4	-	not applicable	-	73
			Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.60	5.18	117	1.8	450	73	67.4	-	not applicable	-	62
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	7.05	14.91	165	2.3	1118	99	67.4	1	not applicable	8880	68
	2	Duct	Red	Max - low	NRVU BVU	variable speed	none	not applicable	6.08	2.26	230	2.0	0	81	67.4	-	not applicable	-	62
			Red	Min - low	NRVU BVU	variable speed	none	not applicable	1.00	0.15	23	0.3	0	9	67.4	-	not applicable	-	29
			Red	Min - high	NRVU BVU	variable speed	none	not applicable	1.00	7.13	44	0.3	1467	9	67.4	-	not applicable	-	73
		Full face	Yellow	Average	NRVU BVU	variable speed	none	not applicable	5.60	5.07	97	1.8	450	60	67.4	-	not applicable	-	62
			Blue	Max - high	NRVU BVU	variable speed	none	not applicable	7.85	14.53	152	2.6	949	89	67.4	1	not applicable	11000	69
			Red	Max - low	NRVU BVU	variable speed	none	not applicable	6.49	2.54	230	2.1	0	71	67.4	-	not applicable	-	63

SD, without coil heat exchanger, with filter

Part of information requirements for NRUV according to Regulation (EU) No 1253/2014													
Air Handling Unit	Motor option	In and outlet connections	Working point		AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SPint	Face velocity	Nominal external pressure
			Colour	Remark									
80	1	Duct	Red	Min - low	NRUV BVU	variable speed	none	%	m³/s	kW	W/(m²/s)	m/s	Pa
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	1,50	0,15	24	0,5	0
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	1,50	7,40	64	0,5	1118
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	7,50	6,02	170	2,4	400
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	9,21	14,27	230	3,0	767
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	7,69	2,57	230	2,5	0
	2	Duct	Red	Min - low	NRUV BVU	variable speed	none	not applicable	1,50	0,15	22	0,5	0
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	1,50	7,40	60	0,5	1118
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	7,50	6,36	154	2,4	400
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	10,98	13,17	230	3,6	518
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	8,41	2,93	230	2,7	0
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
100	1	Duct	Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	0,00				
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
	2	Duct	Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	0,00				
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
120	1	Duct	Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	0,00				
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
	2	Duct	Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Yellow	Average	NRUV BVU	variable speed	none	not applicable	0,00				
		Full face	Blue	Max - high	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Max - low	NRUV BVU	variable speed	none	not applicable	0,00				
			Red	Min - low	NRUV BVU	variable speed	none	not applicable	0,00				

SD, fan only

Regulation (EU) 1253/2014 - information for non-residential ventilation units, NRUV
Datum: 2018-09-17

Air Handling Unit			Working point		Part of information requirements for NRUV according to Regulation (EU) No 1253/2014													
Size	Motor option	In and outlet connections	Colour	Remark	AHU type	Type of drive	Type of HRS	Thermal efficiency	Nominal flow rate	Effective electric power	SFPint	Face velocity	Nominal extension pressure	Internal pressure drop	Maximum internal leakage rate	Maximum performance	Energy performance	Casing sound power level, LwA
								%	m³/s	kW	W/(m²/s)	m/s	Pa	Pa	%	%	kWh/year	dB(A)
04	Not applicable	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.60	0.45	not applicable	2.4	296	54	64.8	1	not applicable	52
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.60	0.45	not applicable	2.4	338	12	64.8	1	not applicable	52
05	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.72	0.89	not applicable	2.9	512	79	65.5	1	not applicable	56
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.79	0.84	not applicable	3.1	437	20	65.5	1	not applicable	58
07	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.80	1.15	not applicable	3.2	668	20	63.5	1	not applicable	59
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.80	1.21	not applicable	3.2	668	20	63.5	1	not applicable	59
08	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.80	1.20	not applicable	2.1	523	4	65.5	1	not applicable	58
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.80	1.20	not applicable	2.1	745	64	63.5	1	not applicable	59
11	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.80	1.20	not applicable	2.1	805	4	63.5	1	not applicable	58
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.05	1.28	not applicable	2.7	535	110	65.4	1	not applicable	58
12	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.20	1.15	not applicable	3.1	435	9	65.4	1	not applicable	61
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.15	1.63	not applicable	3.0	643	132	67.4	1	not applicable	60
14	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.20	1.58	not applicable	3.1	693	9	67.4	1	not applicable	61
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.20	1.68	not applicable	3.1	693	43	67.4	1	not applicable	61
20	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.20	1.16	not applicable	2.0	475	3	65.4	1	not applicable	61
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.20	1.61	not applicable	2.0	724	43	67.4	1	not applicable	61
25	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.72	1.47	not applicable	2.9	387	89	66.8	1	not applicable	62
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.60	1.38	not applicable	3.1	374	7	66.8	1	not applicable	63
30	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	2.13	not applicable	3.1	619	97	68.0	1	not applicable	63
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	2.13	not applicable	3.1	708	7	68.0	1	not applicable	63
35	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	1.38	not applicable	2.1	362	19	68.8	1	not applicable	64
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	1.38	not applicable	2.1	388	13	68.8	1	not applicable	64
40	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	2.13	not applicable	2.1	697	19	68.0	1	not applicable	64
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	1.80	2.13	not applicable	2.1	704	13	68.0	1	not applicable	64
50	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.68	2.28	not applicable	3.1	402	42	66.7	1	not applicable	63
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.71	2.25	not applicable	3.1	392	28	66.7	1	not applicable	63
60	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.80	3.28	not applicable	3.2	637	48	65.7	1	not applicable	64
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.80	3.28	not applicable	3.2	653	30	65.7	1	not applicable	64
70	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.73	2.22	not applicable	2.3	384	19	66.7	1	not applicable	63
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.75	2.20	not applicable	2.3	377	9	66.7	1	not applicable	63
80	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.80	3.28	not applicable	2.4	663	20	65.7	1	not applicable	64
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	2.80	3.28	not applicable	2.4	674	9	65.7	1	not applicable	64
90	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	3.86	4.05	not applicable	3.2	535	39	65.2	1	not applicable	65
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	3.92	4.00	not applicable	3.3	518	18	65.2	1	not applicable	65
100	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	4.00	5.02	not applicable	3.4	672	42	67.2	1	not applicable	65
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	4.00	5.02	not applicable	3.4	685	19	67.2	1	not applicable	65
110	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	3.90	4.02	not applicable	2.1	526	23	65.2	1	not applicable	64
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	3.95	3.97	not applicable	2.2	511	5	65.2	1	not applicable	65
120	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	4.00	5.02	not applicable	2.2	690	24	67.2	1	not applicable	65
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	4.00	5.02	not applicable	2.2	708	5	67.2	1	not applicable	65
130	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	5.83	6.50	not applicable	3.1	559	48	70.5	1	not applicable	66
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	5.90	5.99	not applicable	3.2	542	10	70.5	1	not applicable	67
140	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	6.00	9.32	not applicable	3.3	836	54	69.2	1	not applicable	68
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	6.00	9.32	not applicable	3.3	941	11	69.2	1	not applicable	68
150	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	5.78	6.14	not applicable	2.5	588	28	66.7	1	not applicable	66
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	5.95	5.93	not applicable	2.6	531	2	66.7	1	not applicable	67
160	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	6.00	9.32	not applicable	2.6	922	30	65.7	1	not applicable	68
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	6.00	9.32	not applicable	2.6	950	2	65.7	1	not applicable	68
170	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.33	8.43	not applicable	3.2	637	45	65.2	1	not applicable	67
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.83	7.87	not applicable	3.4	552	4	65.2	1	not applicable	68
180	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.00	0.00	not applicable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.80	7.80	not applicable	3.4	1097	4	67.4	1	not applicable	69
190	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.80	8.14	not applicable	2.5	591	25	65.2	1	not applicable	67
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.85	7.85	not applicable	2.6	548	2	65.2	1	not applicable	68
200	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.05	14.91	not applicable	2.3	1245	21	67.4	1	not applicable	68
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	7.85	14.54	not applicable	2.6	1087	2	67.4	1	not applicable	69
210	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	9.84	13.99	not applicable	3.2	831	42	69.2	1	not applicable	69
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	11.00	13.45	not applicable	3.6	696	3	69.2	1	not applicable	70
220	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	12.00	19.49	not applicable	3.9	900	62	68.5	1	not applicable	71
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	12.00	19.49	not applicable	3.9	968	4	68.5	1	not applicable	71
230	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	10.60	13.47	not applicable	2.3	742	18	69.2	1	not applicable	69
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	11.00	13.15	not applicable	2.2	669	0	69.2	1	not applicable	69
240	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	12.00	19.49	not applicable	2.5	939	23	68.5	1	not applicable	71
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	12.00	19.49	not applicable	2.5	961	1	68.5	1	not applicable	71
250	1	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.00	0.00	not applicable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	0.00	0.00	not applicable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
260	2	Duct	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	18.00	29.18	not applicable	3.7	807	52	68.5	1	not applicable	73
		Full face	Blue	Max. - high	NRUV, BVU	variable speed	none	not applicable	18.00	29.18	not applicable	3.7	857	1	68.5	1	not applicable	73

7.3 Building Materials Declaration

For a complete Declaration of Construction Materials, see our home page at www.swegon.com under Products & Services.

All documentation is available in digital form and can be downloaded from
www.swegon.com