

# Sizing, installation, dimensions and weights

*The charts and tables in this documentation are intended for use as a general survey.*

*Exact sizing can be carried out in the AHU Design air handling unit selection program.*

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## Contents

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Prerequisites for Sizing.....	13
SILVER C RX, One-piece air handling units with rotary heat exchanger.....	14
SILVER C PX, One-piece air handling units with plate heat exchanger.....	70
SILVER C CX, One-piece air handling units with coil heat exchangers.....	102
SILVER C SD, Supply air and extract air handling units.....	118



# Sizing, installation, dimensions and weights

## Prerequisites for Sizing

### Fan Diagrams

The  $SFP_V$  diagram on the pages that follow shows the electric power efficiency rating of the air handling unit calculated according to the procedure defined by Svensk Ventilation, the Swedish Association of Air handling Industries (V Publication 1995:1, Rev. 2000). The  $SFP_V$ -value is calculated according to the V publication under the load conditions that exist when the air filters are clean.

### SILVER C RX/PX/CX

The  $SFP_V$  diagrams and Extract air fan are calculated with the assumption that the supply air and extract air fans have the same airflow and available total pressure rise. The leakage and purging air flow and to the extra pressure drop in the extract air have been taken into consideration in order to ensure the correct direction of air leakage at a pressure ratio that corresponds to a normal installation for a certain available pressure.

The Extract air fan and Supply air fan diagrams indicate the available total pressure rise to cover duct pressure drop and external functional sections, and total sound power level,  $L_{W, tot}$  emitted to a connecting outlet duct, dB (Relative to  $10^{-12}$  W), in the 125 – 8,000 Hz octave band frequencies.

The available pressure rise calculated for the design pressure drop across the ePM1 50% (F7) filter (supply air) and the ePM10 60% (M5) filter (extract air) respectively and with full face end connection panels (accessories) is specified in all the diagrams.

The blue broken line defines the limits of the numbered ranges (1,2,3,4) for particulars of the correction factors  $K_{OK}$  in a separate table. Range 1 is the most favourable range from an acoustic point of view.

### SILVER C SD

The Fan Charts indicate the total pressure rise to cover possible internal total pressure losses for, e.g. filters, duct pressure drop and external functional sections, and total sound power level  $L_{W, tot}$  emitted to a connecting outlet duct, dB (Relative to  $10^{-12}$  W), in the 125 – 8,000 Hz octave band frequencies. The diagrams show air handling units with full face end connection panels (accessories).

The total pressure loss for an optional filter, ePM1 50% (F7)/ePM10 60% (M5), and coil heat exchangers (sizes 014-080) are specified in the lower diagram.

The blue broken line defines the limits of the numbered ranges (1,2,3,4) for particulars of the correction factors  $K_{OK}$  in a separate table. Range 1 is the most favourable range from an acoustic point of view.

### Acoustic calculations

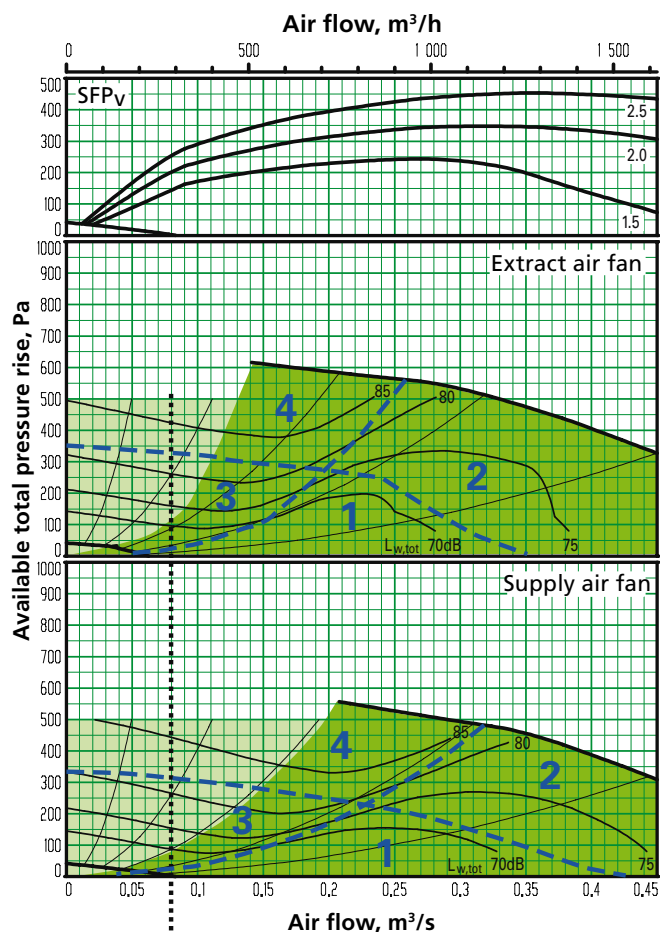
The sound emitted by Swegon products is measured according to the method defined in ISO 5136, the most widely used method in Europe. Acoustic measurements are sometimes taken using other methods.

The total sound power level  $L_{W, tot}$  emitted from the fan outlet to the ducting can be read from each of the fan diagrams. The following formula can be used for breaking down the sound power level into octave bands:  $L_{W, ok} = L_{W, tot} + K_{ok}$ .

$K_{ok}$  can be obtained from tables on the pages that follow.

## Sizing, installation, dimensions and weights

### SILVER C RX, rotary heat exchanger, size 004, common casing



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

#### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
004	288	0,08	1620	0,45

#### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 004, common casing

### Delivery and transport within the site

The SILVER C RX 004 is produced in one single variant. All of its components are arranged at their given physical locations inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.

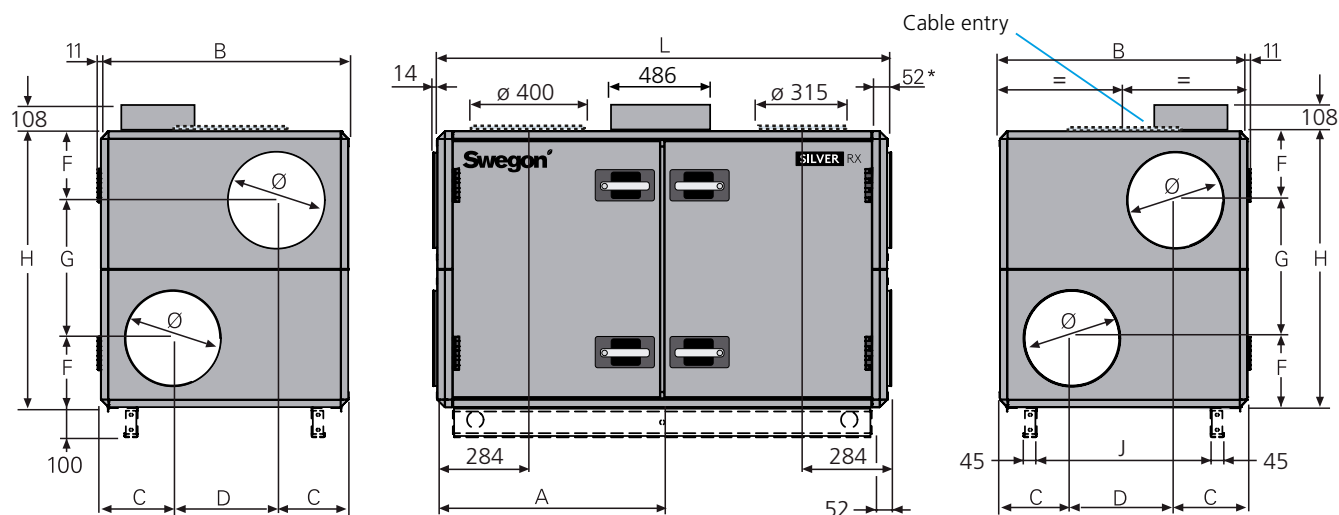
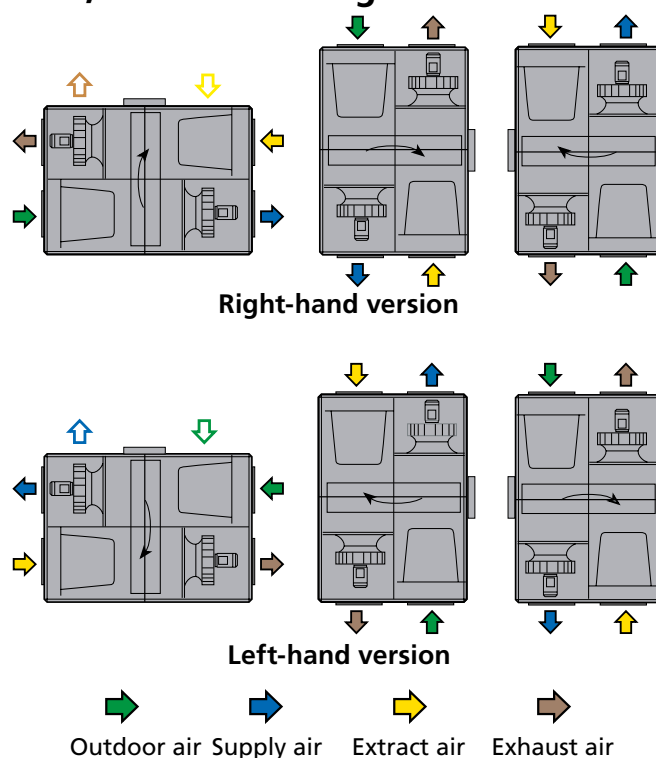
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The air handling unit can be installed up ended (Does not apply to units installed outdoors).

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size:  $\varnothing$  400 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



The base beams are optional equipment.

\* The air handling unit can be supplied without end connection panels. The AHU can also be supplied with full face end connection panel (accessory).

Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
004	743	825	240	345	230	460	920	579	1499	315	234-271

### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 0.8 kW (0.41 kW)\*,

motor control system: 1 x 230 V, 50 Hz, rated 2.3 A

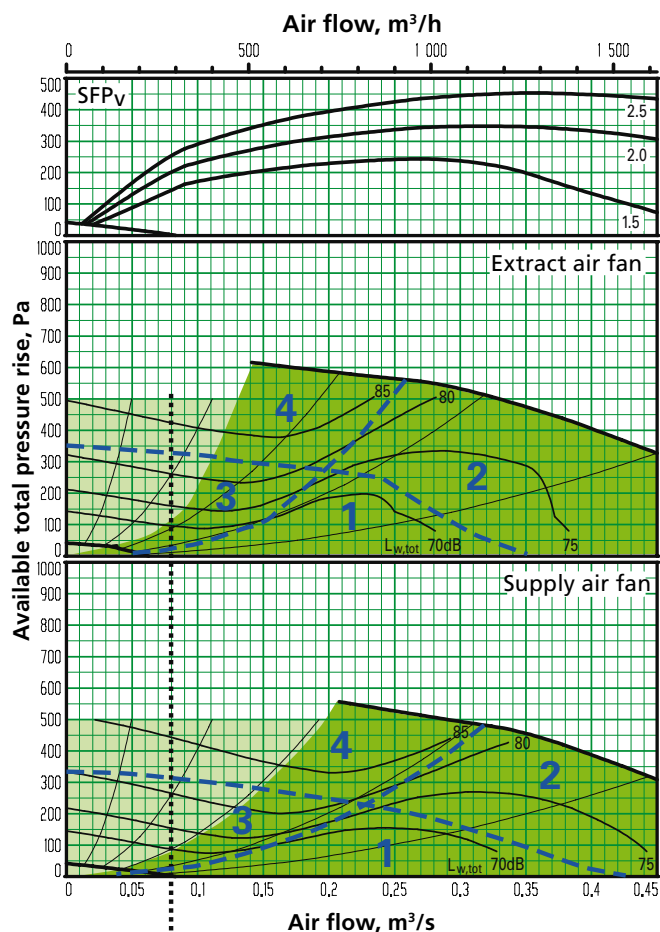
\*The motor control system limits the power of the take-off to the value specified.

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 004, split version



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
004	288	0,08	1620	0,45

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 004, split version

### Delivery and transport within the site

The SILVER C RX 004 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 004-080.

The unit sections are jointed together/split by means of bolts.

Prefitted base beams as standard.

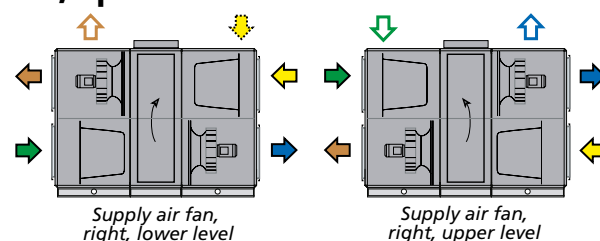
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

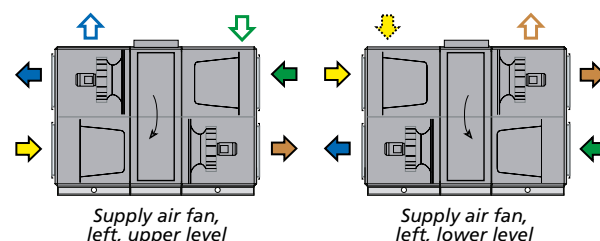
**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).  
N.B.! Duct connection size:  $\varnothing$  400 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

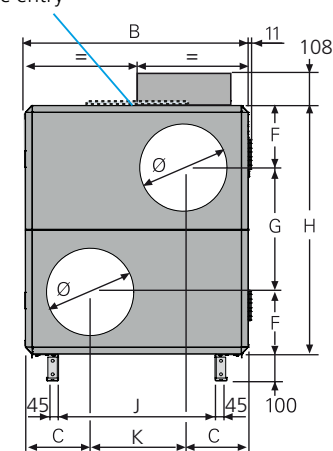
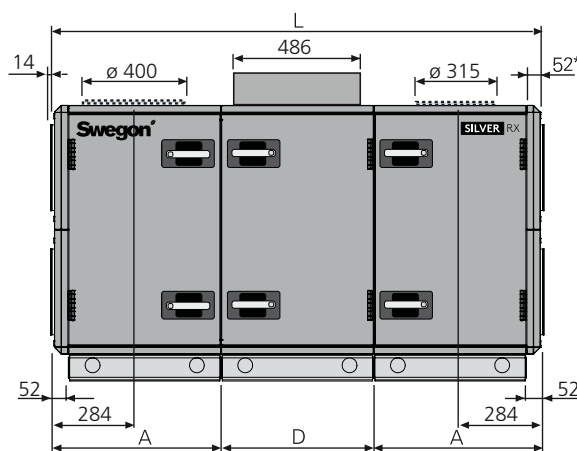
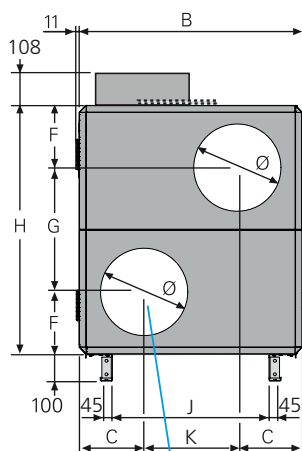


Right-hand version



Left-hand version

Outdoor air    Supply air    Extract air    Exhaust air



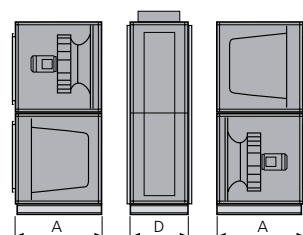
The illustration shows the connections for supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

\* 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	617	825	240	565	230	460	920	579	345	1799	315	278-328

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 88-112 kg,  
D = 102-104 kg.

### Rated data per fan

Motor shaft power: 0.8 kW (0.41 kW)\*,  
motor control system: 1 x 230 V, 50 Hz, rated 2.3 A

\*The motor control system limits the power of the take-off to the value specified.

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

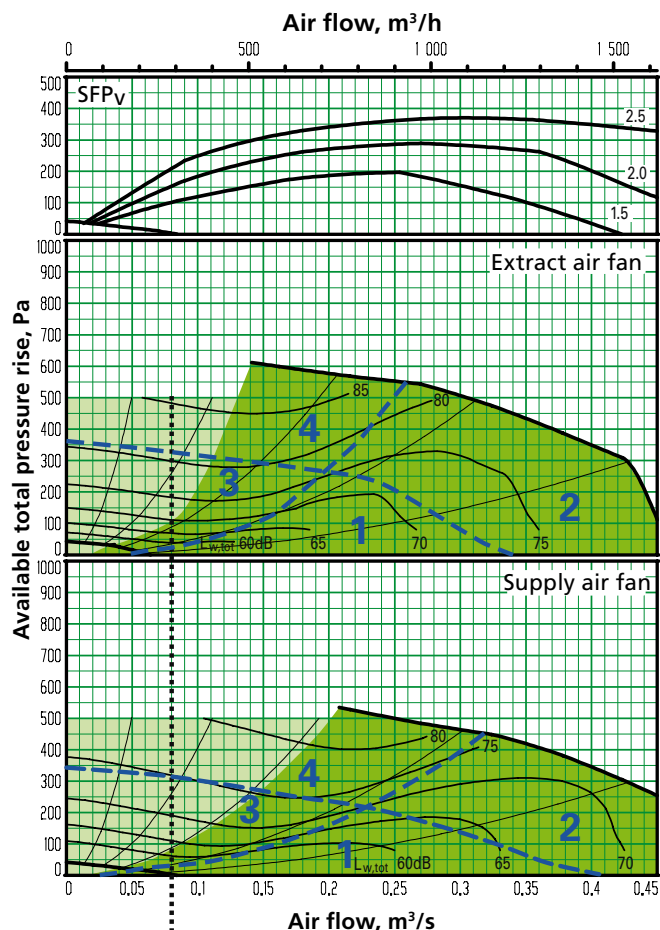
### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 004

### Left-hand version



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

The air handling unit complies with requirements to Ecodesign 2016/2018.



Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

### Min. and Max. Airflows

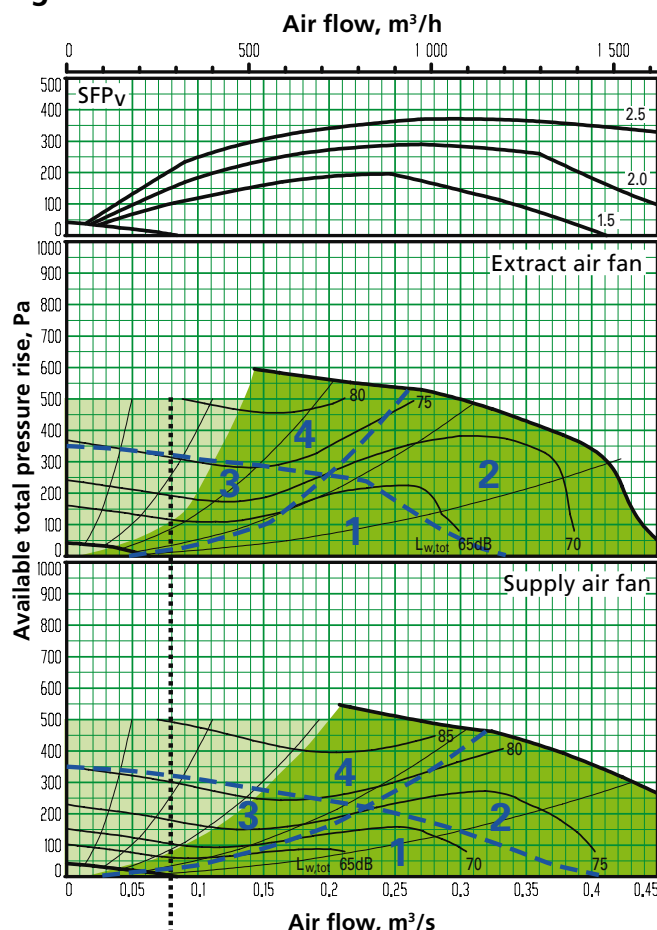
The flows specified refer to flows that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
004	288	0,08	1620	0,45

### Correction factors, $K_{OK}$ , dB. Fan in lower level.

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To outlet duct	1 2 3 4	6 14 4 7	-2 -1 -1 -2	-5 -8 -8 -4	-13 -14 -21 -15	-21 -22 -31 -26	-26 -26 -35 -31	-35 -39 -46 -45	-24 -34 -41 -41
To inlet duct*	1 2 3 4	1 5 -1 2	-6 -5 -6 -2	-10 -14 -13 -9	-23 -27 -34 -29	-36 -37 -46 -39	-42 -46 -53 -49	-43 -54 -58 -59	-29 -43 -43 -48
To air handling unit surroundings**	1 2 3 4	-5 3 -7 -4	-16 -15 -15 -16	-28 -31 -31 -27	-34 -35 -42 -36	-54 -55 -64 -59	-59 -59 -68 -64	-69 -73 -80 -79	-55 -65 -67 -72

### Right-hand version



### Correction factors $K_{OK}$ , dB. Fan in upper level.

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To outlet duct	1 2 3 4	4 4 1 3	-1 -1 -1 -1	-6 -9 -10 -7	-15 -14 -23 -17	-24 -22 -32 -27	-29 -27 -37 -32	-41 -40 -49 -45	-32 -36 -41 -42
To inlet duct*	1 2 3 4	-1 -1 -5 -5	-5 -7 -6 -6	-11 -13 -16 -11	-24 -21 -34 -25	-39 -38 -48 -42	-45 -44 -55 -50	-49 -56 -61 -62	-37 -47 -48 -53
To air handling unit surroundings**	1 2 3 4	-7 -7 -10 -8	-15 -15 -15 -15	-29 -32 -33 -30	-36 -35 -44 -38	-57 -55 -65 -60	-62 -60 -70 -65	-75 -74 -83 -79	-63 -67 -72 -73

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 004

### Delivery and Transport within the Site

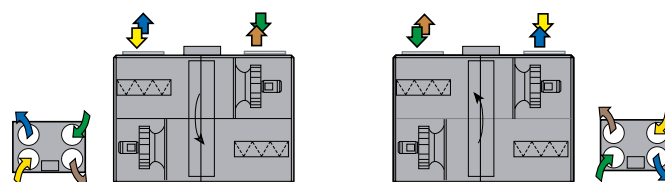
The SILVER C RX Top 004 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit. The SILVER C RX Top 004 is always supplied as one unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a separately supplied stand is available as an accessory.

### Duct connection options

**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.



Left-hand version

Right-hand version



Outside air



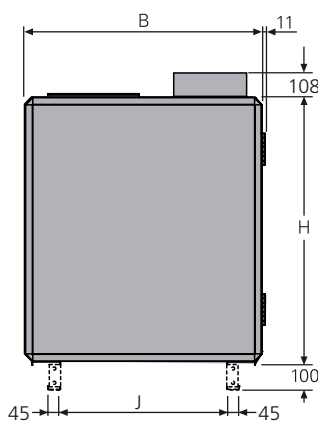
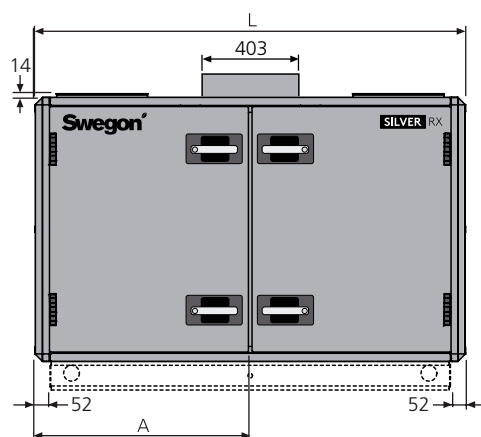
Supply air



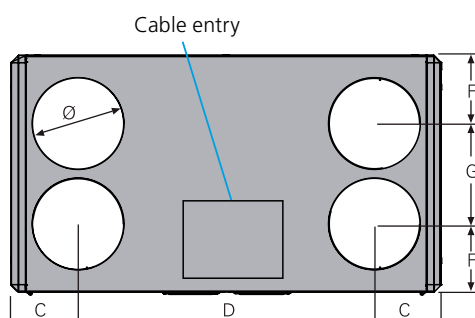
Extract air



Exhaust air



Base beams are optional.



Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
004	743	825	233,5	1033	237,5	350	920	579	1499	315	269

### Clear Space for Inspection

A clear space of 800 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

### Rated data per fan

Motor shaft power: 0.8 kW (0.41 kW)\*  
motor control system, 1 x 230 V, 50 Hz

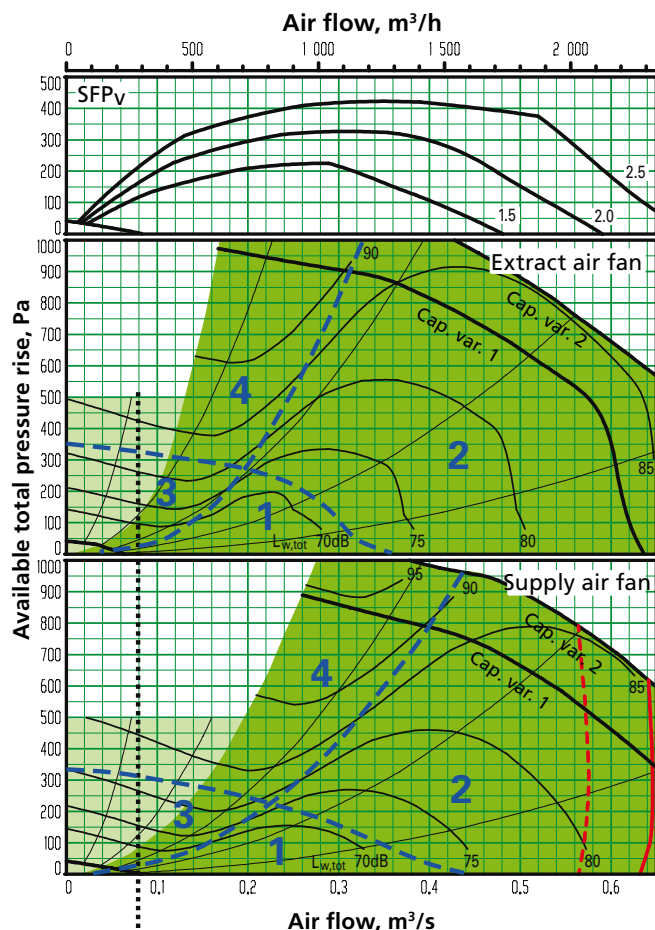
\*The motor control system limits the power of the take-off to the value specified.

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 005, common casing



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

The limit lines for Ecodesign are calculated with capacity variant 2. The mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
005	288	0,08	2340	0,65

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 005, common casing

### Delivery and transport within the site

The SILVER C RX 005 is produced in one single variant. All of its components are arranged at their given physical locations inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.

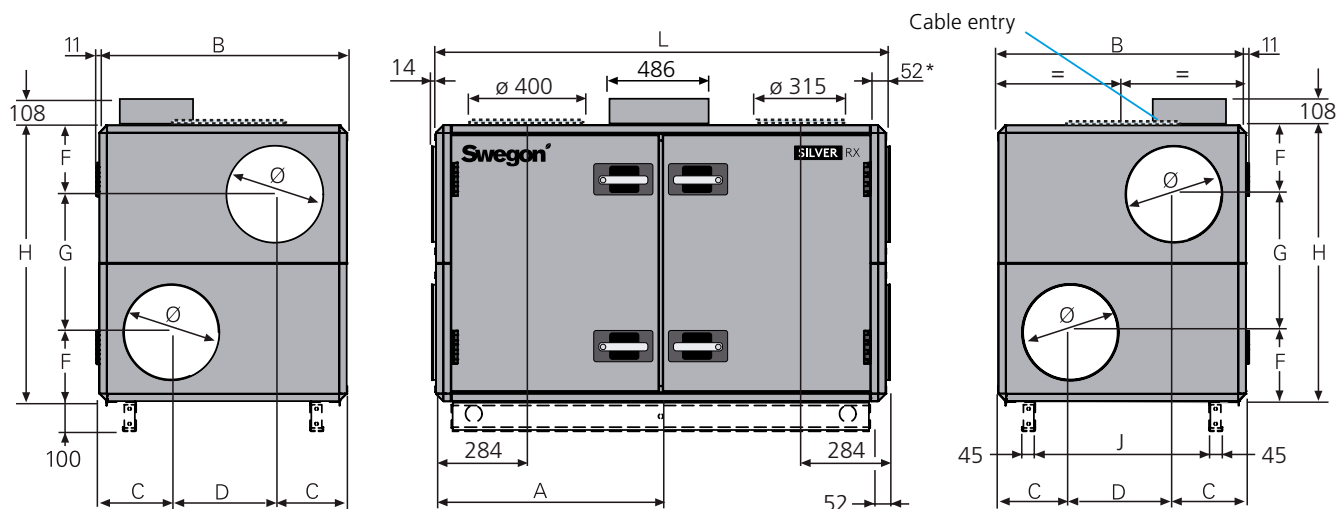
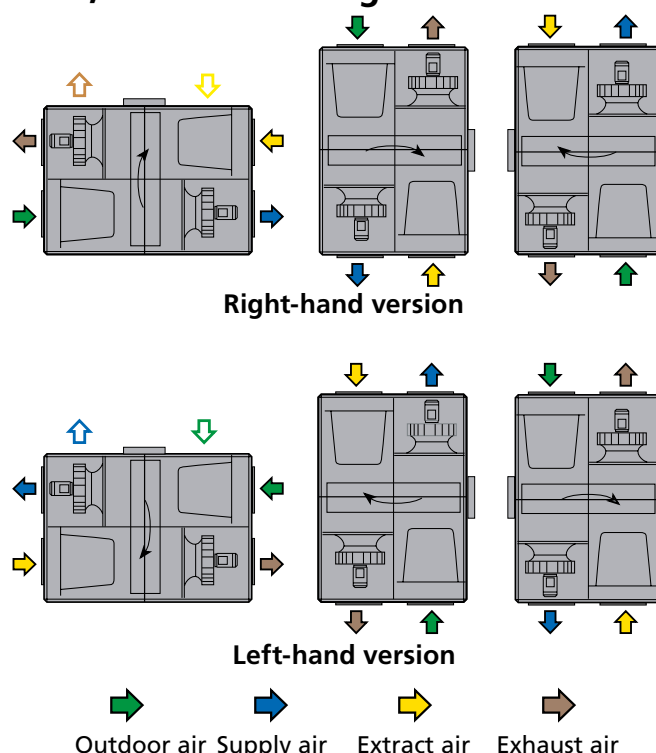
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The air handling unit can be installed up ended (Does not apply to units installed outdoors).

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size:  $\varnothing$  400 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



The base beams are optional equipment.

\* The air handling unit can be supplied without end connection panels. 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
005	743	825	240	345	230	460	920	579	1499	315	234-271

### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

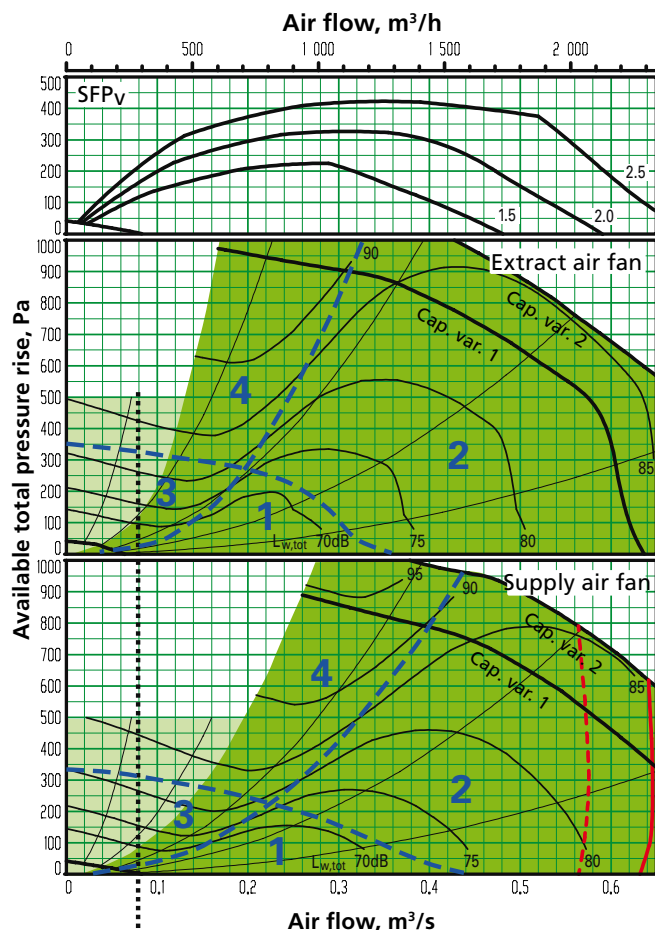
Motor shaft power: 0.8 kW alt. 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 005, split version



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

The limit lines for Ecodesign are calculated with capacity variant 2. The mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m <sup>3</sup> /h	m <sup>3</sup> /s	m <sup>3</sup> /h	m <sup>3</sup> /s
005	288	0,08	2340	0,65

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 005, split version

### Delivery and transport within the site

The SILVER C RX 005 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 004-080.

The unit sections are jointed together/split by means of bolts.

Prefitted base beams as standard.

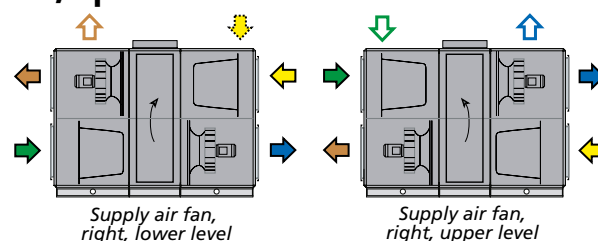
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

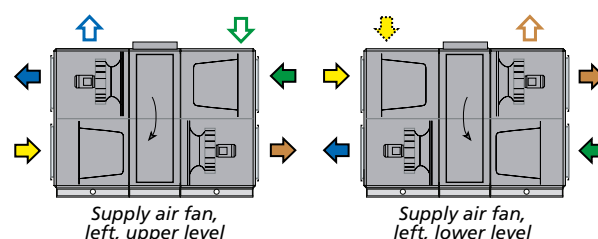
**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).  
N.B.! Duct connection size:  $\varnothing$  400 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



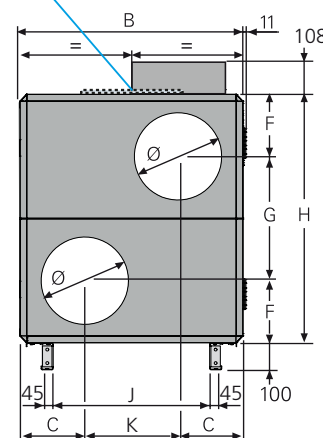
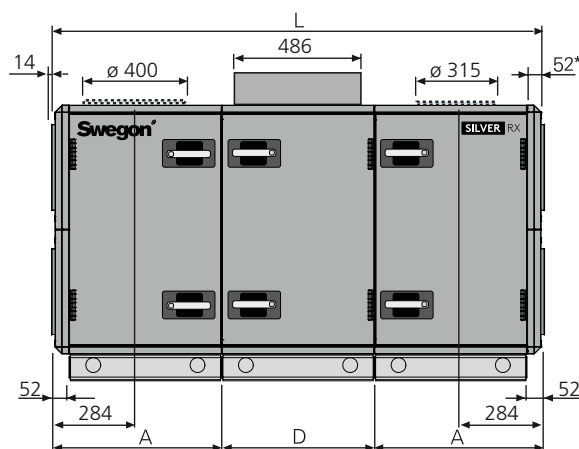
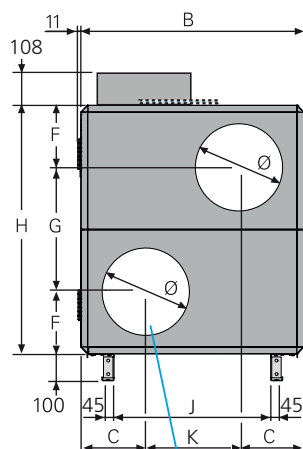
Right-hand version



Left-hand version

Outdoor air    Supply air    Extract air    Exhaust air

Cable entry



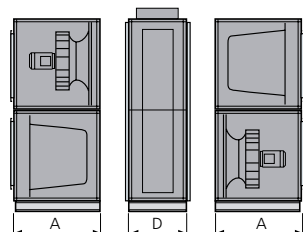
The illustration shows the connections for supply air fan, right-hand/upper level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/upper level, the connections are mirror-inverted.

\* 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	$\varnothing$	Weight, kg
005	617	825	240	565	230	460	920	579	345	1799	315	278-328

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 88-112 kg,  
D = 102-104 kg.

### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 0.8 kW alt. 1.15 kW,  
motor control system:  
1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

### Motor, heat exchanger

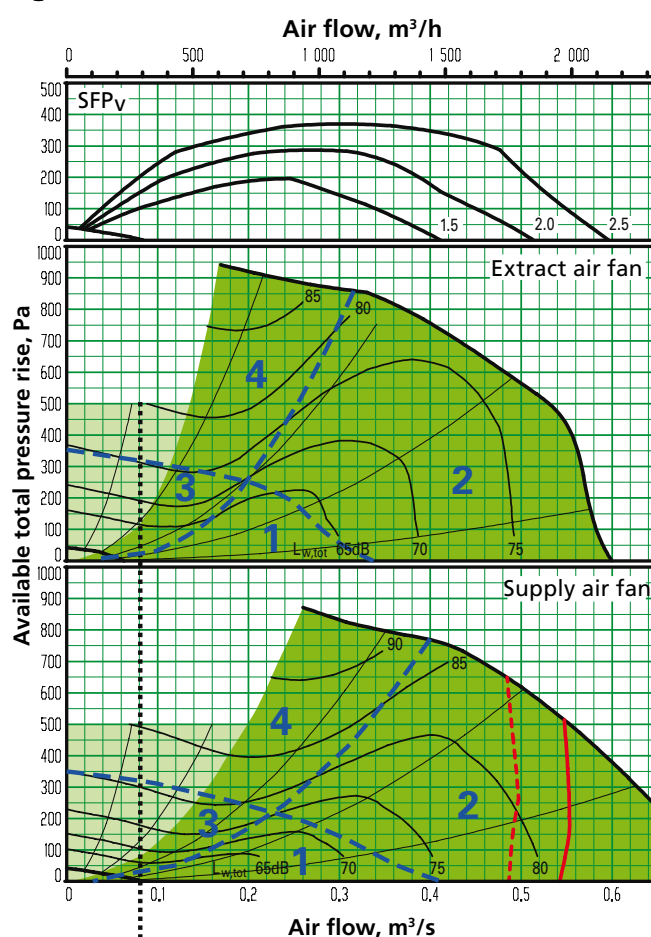
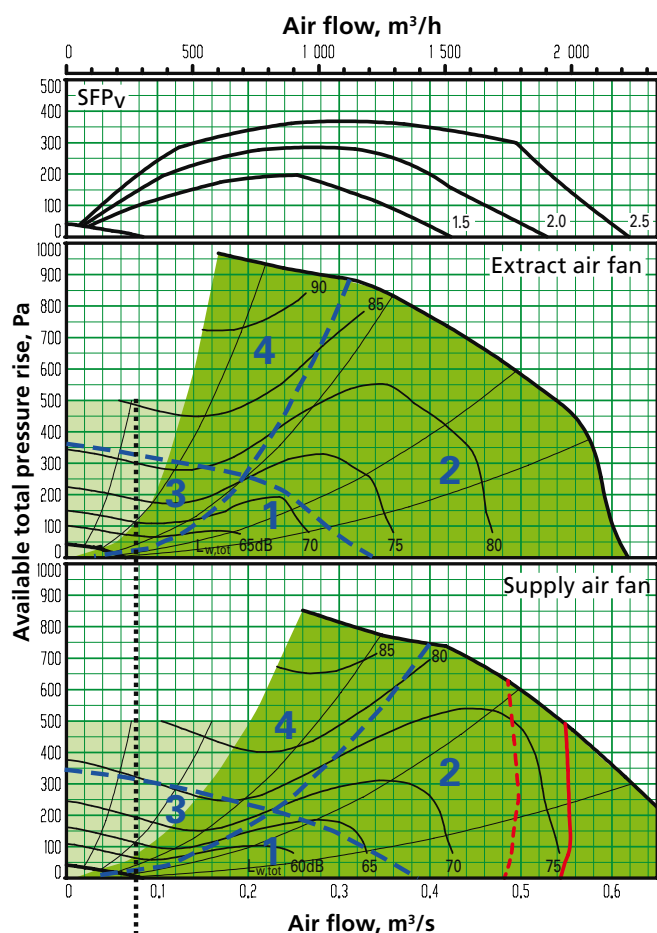
45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 005

Left-hand version.

Right-hand version.



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

For Ecodesign, the mean value for supply air and extract air must be within the limit line.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

Limit line, Ecodesign, 2016

Limit line, Ecodesign, 2018

### Min. and Max. Airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
005	288	0,08	2340	0,65

### Correction factors, $K_{OK}$ , dB. Fan in lower level

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	6	-2	-5	-13	-21	-26	-35	-24
	2	14	-1	-8	-14	-22	-26	-39	-34
	3	4	-1	-8	-21	-31	-35	-46	-36
	4	7	-2	-4	-15	-26	-31	-45	-41
To inlet duct*	1	1	-6	-10	-23	-36	-42	-43	-29
	2	5	-5	-14	-27	-37	-46	-54	-43
	3	-1	-6	-13	-34	-46	-53	-58	-43
	4	2	-2	-9	-29	-39	-49	-59	-48
To air handling unit surroundings**	1	-5	-16	-28	-34	-54	-59	-69	-55
	2	3	-15	-31	-35	-55	-59	-73	-65
	3	-7	-15	-31	-42	-64	-68	-80	-67
	4	-4	-16	-27	-36	-59	-64	-79	-72

### Correction factors, $K_{OK}$ , dB. Fan in upper level.

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	4	-1	-6	-15	-22	-29	-41	-32
	2	4	-1	-9	-14	-22	-27	-40	-36
	3	1	-1	-10	-23	-32	-37	-49	-41
	4	3	-1	-7	-17	-27	-32	-45	-42
To inlet duct*	1	-1	-5	-11	-24	-39	-45	-49	-37
	2	-1	-7	-13	-21	-38	-44	-56	-47
	3	-5	-6	-16	-34	-48	-55	-61	-48
	4	-5	-6	-11	-25	-42	-50	-62	-53
To air handling unit surroundings**	1	-7	-15	-29	-36	-57	-62	-75	-63
	2	-7	-15	-32	-35	-55	-60	-74	-67
	3	-10	-15	-33	-44	-60	-70	-83	-72
	4	-8	-15	-30	-38	-60	-65	-79	-73

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 005

### Delivery and Transport within the Site

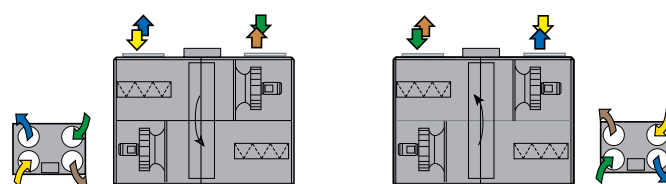
The SILVER C RX Top 005 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. The SILVER C RX Top 005 is always supplied as one unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a separately supplied stand is available as an accessory.

### Duct connection options

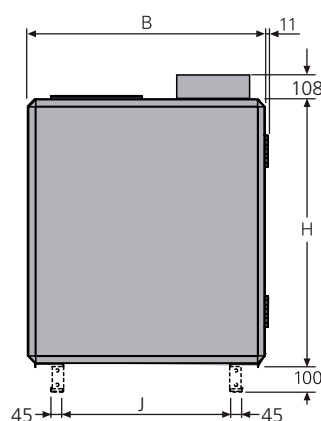
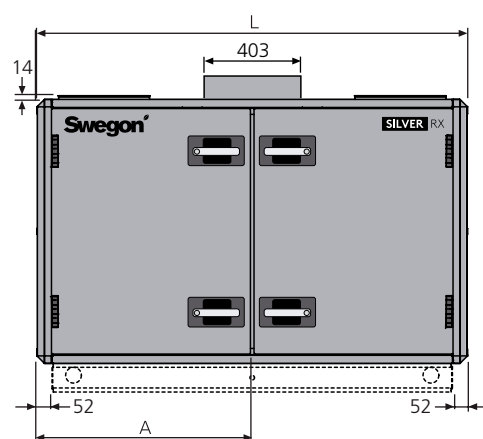
**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.

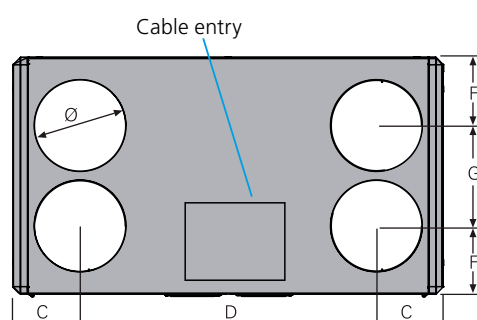


Left-hand version

Right-hand version



Base beams are optional.



Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
005	743	825	233,5	1033	237,5	350	920	579	1499	315	269

### Clear Space for Inspection

A clear space of 800 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

### Rated data per fan

Motor shaft power 0.8 kW  
motor control system, 1 x 230 V, 50 Hz

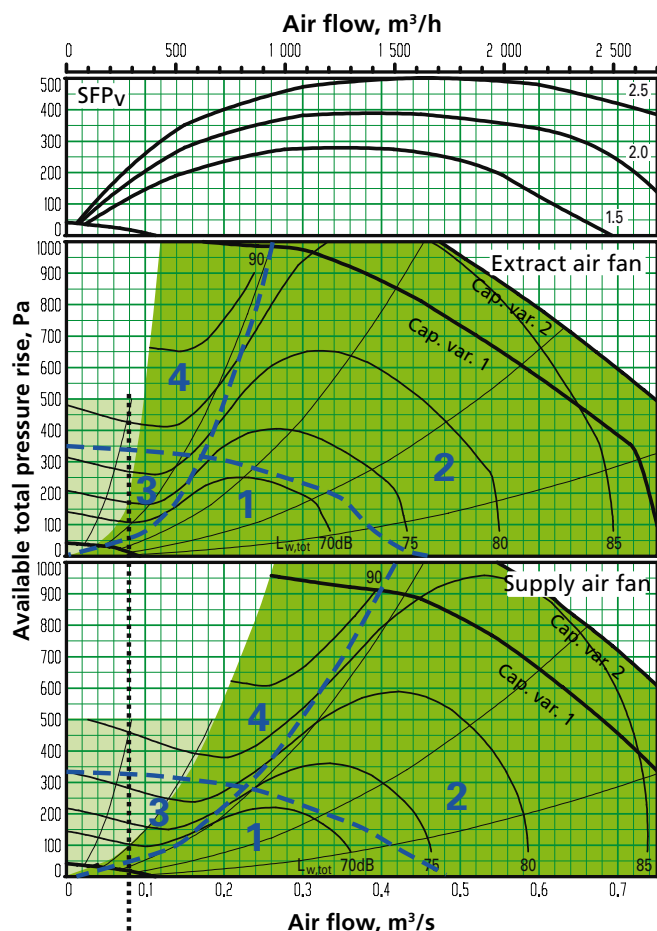
### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 007, common casing



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
007	288	0,08	2700	0,75

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 007, common casing

### Delivery and transport within the site

The SILVER C RX 007 is produced in one single variant. All of its components are arranged at their given physical locations inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.

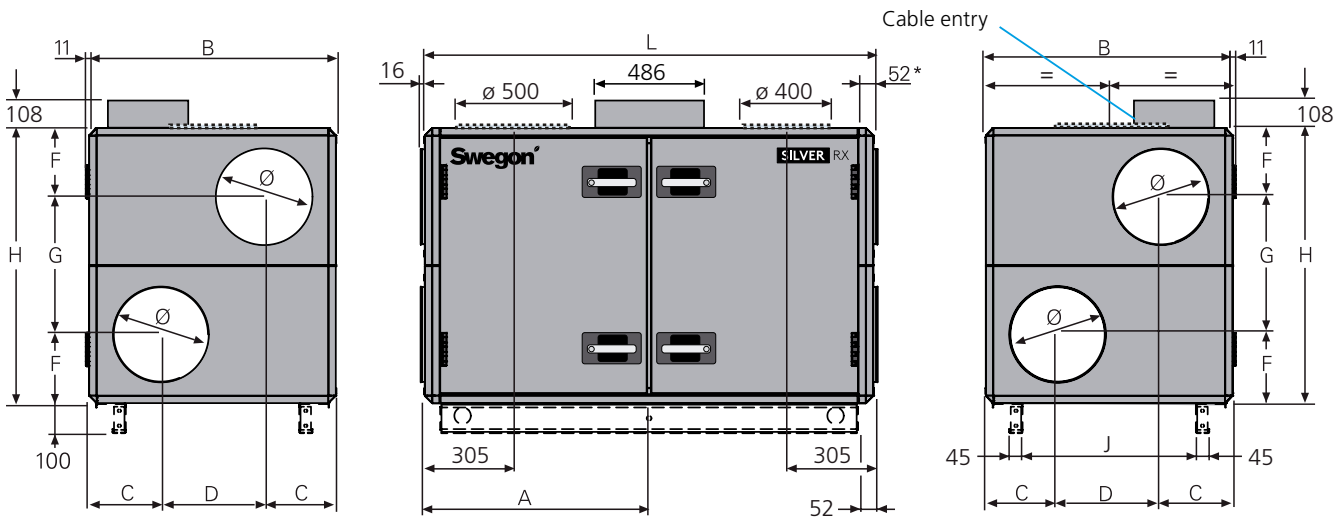
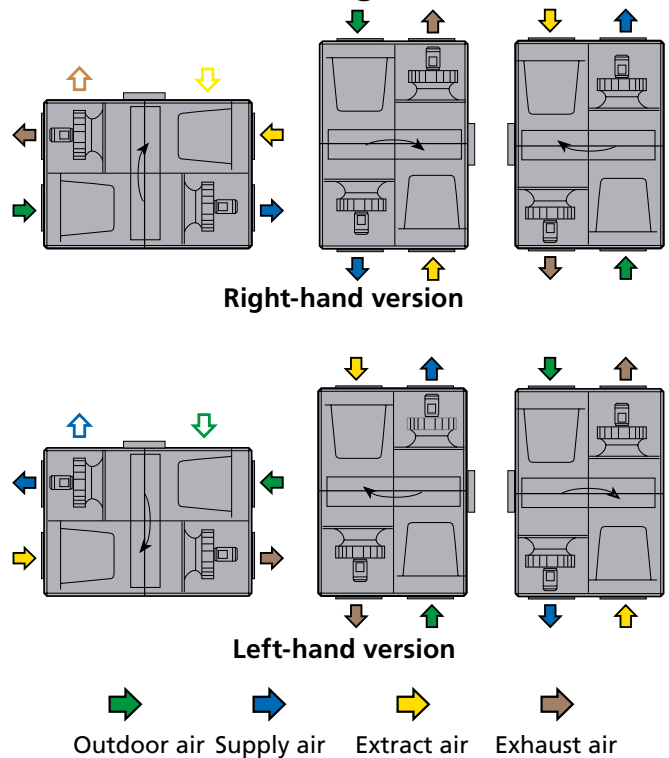
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The air handling unit can be installed up ended (Does not apply to units installed outdoors).

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size:  $\varnothing$  500 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



The base beams are optional equipment.

\* The air handling unit can be supplied without end connection panels. 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
007	805	995	277,5	440	271	543	1085	749	1619	400	282-343

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

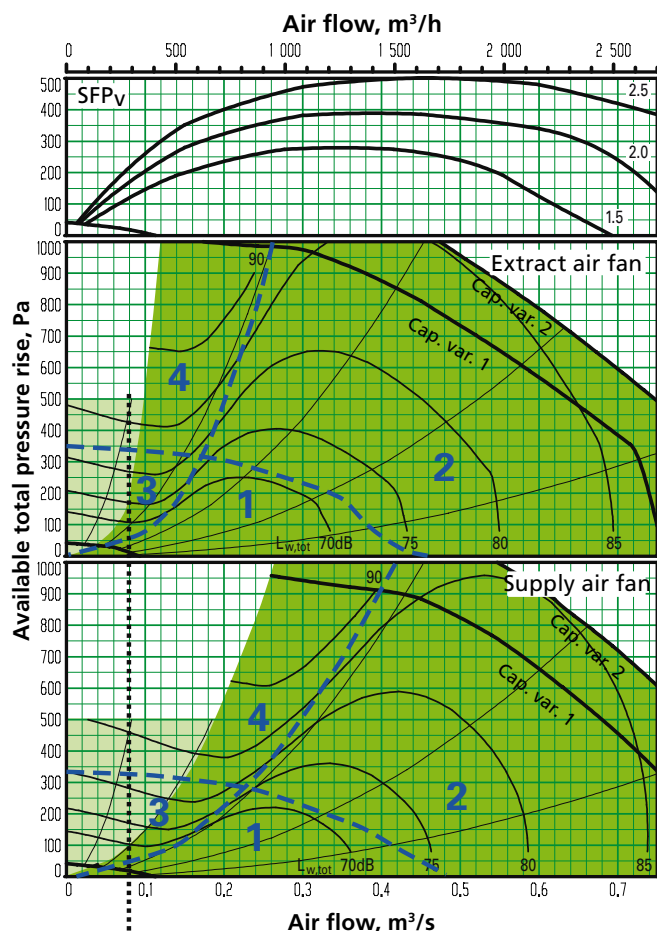
Motor shaft power: 0.8 kW alt. 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 007, split version



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
007	288	0,08	2700	0,75

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 007, split version

### Delivery and transport within the site

The SILVER C RX 007 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 004-080.

The unit sections are jointed together/split by means of bolts.

Prefitted base beams as standard.

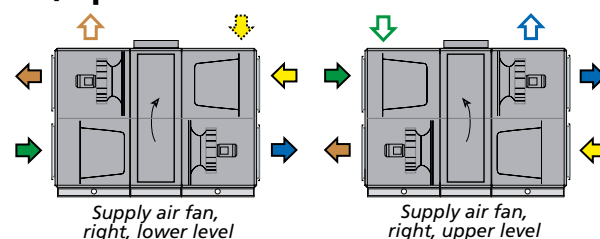
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

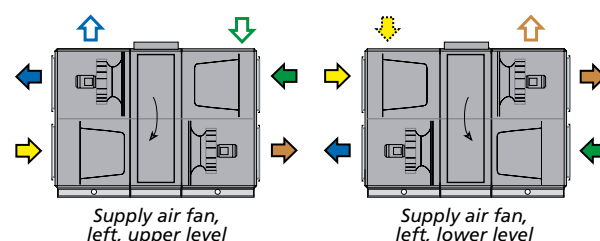
**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).  
N.B.! Duct connection size:  $\varnothing$  500 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

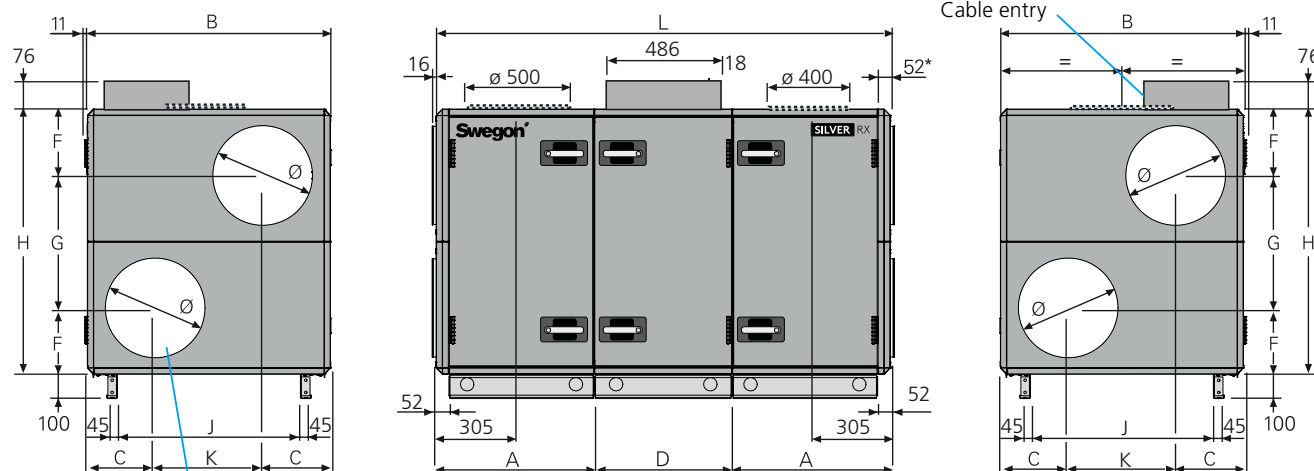


Right-hand version



Left-hand version

Outdoor air    Supply air    Extract air    Exhaust air

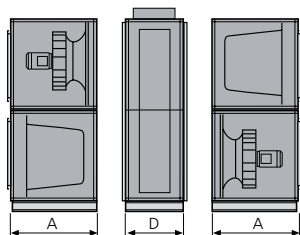


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

\* 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
007	647.5	995	277.5	565	271	543	1085	749	440	1860	400	328-400

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 103-138 kg,  
D = 122-124 kg.

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 0.8 kW alt. 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

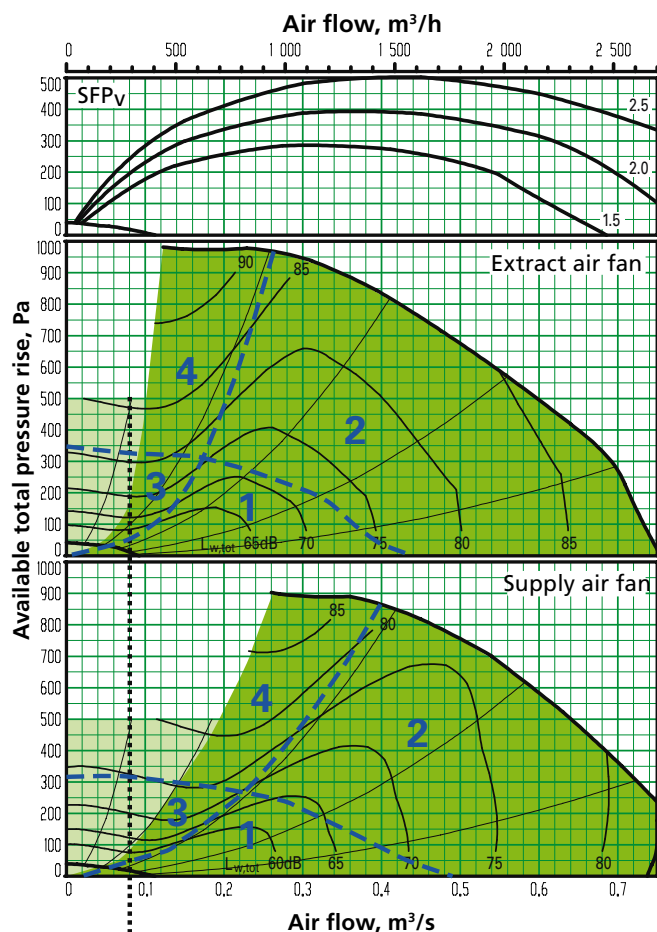
### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

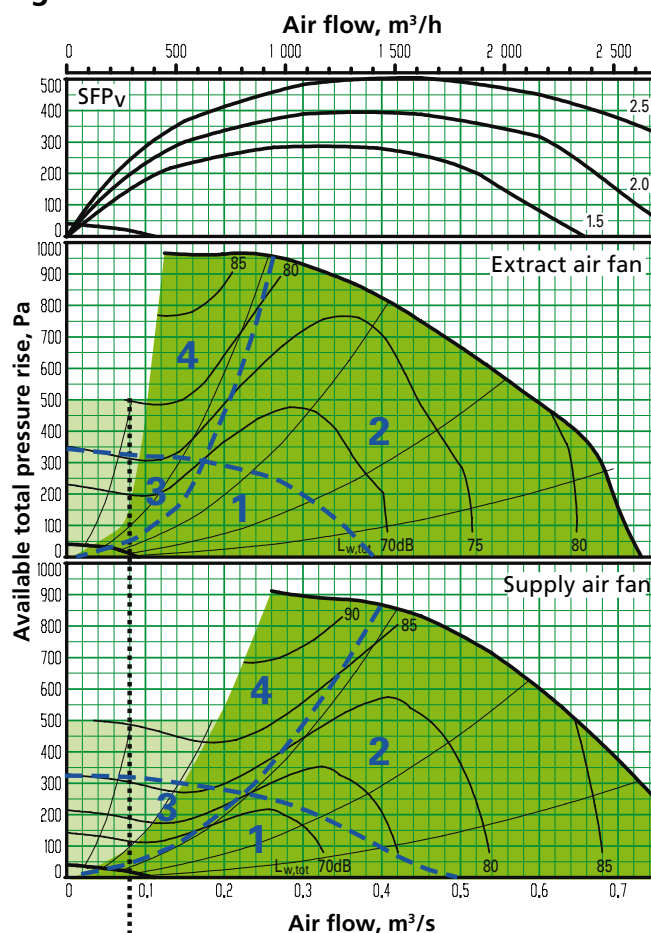
# Sizing, installation, dimensions and weights

## SILVER C RX Top, rotary heat exchanger, size 007

### Left-hand version



### Right-hand version



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

### Min. and Max. Airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (for airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
007	288	0,08	2700	0,75

### Correction factors, $K_{OK}$ , dB. Fan in lower level

Sound path	Region in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1 2 3 4	6 14 4 7	-2 -1 -1 -2	-5 -8 -8 -4	-13 -14 -21 -15	-21 -22 -31 -26	-26 -26 -35 -31	-35 -39 -46 -45	-24 -34 -41 -41
To inlet duct*	1 2 3 4	1 5 -1 2	-6 -5 -6 -2	-10 -14 -13 -9	-23 -27 -34 -29	-36 -37 -46 -39	-42 -46 -53 -49	-43 -54 -58 -59	-29 -43 -43 -48
To air handling unit surroundings**	1 2 3 4	-5 3 -7 -4	-16 -15 -15 -16	-28 -31 -31 -27	-34 -35 -42 -36	-54 -55 -64 -59	-59 -59 -68 -64	-69 -73 -80 -79	-55 -65 -67 -72

### Correction factors, $K_{OK}$ , dB. Fan in upper level.

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1 2 3 4	4 4 1 3	-1 -1 -1 -1	-6 -9 -10 -7	-15 -14 -23 -17	-24 -22 -32 -27	-29 -27 -37 -32	-41 -40 -49 -45	-32 -36 -41 -42
To inlet duct*	1 2 3 4	-1 -1 -5 -5	-5 -7 -6 -6	-11 -13 -16 -11	-24 -21 -34 -25	-39 -38 -48 -42	-45 -44 -55 -50	-49 -56 -61 -62	-37 -47 -48 -53
To air handling unit surroundings**	1 2 3 4	-7 -7 -10 -8	-15 -15 -15 -15	-29 -32 -33 -30	-36 -35 -44 -38	-57 -55 -65 -60	-62 -60 -70 -65	-75 -74 -83 -79	-63 -67 -72 -73

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

## Sizing, installation, dimensions and weights

### SILVER C RX Top, rotary heat exchanger, size 007

#### Delivery and transport within the site

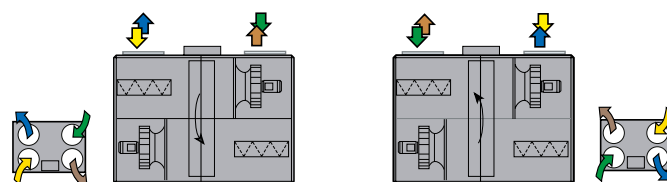
The SILVER C RX Top 007 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. The SILVER C RX Top 007 is always supplied as one unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a separately supplied stand is available as an accessory.

#### Duct connection options

**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.



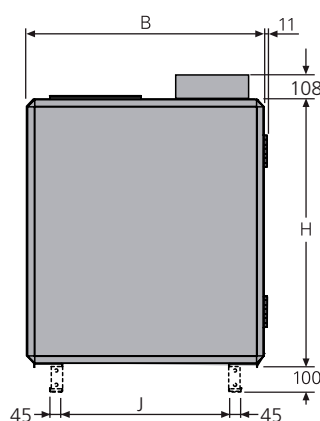
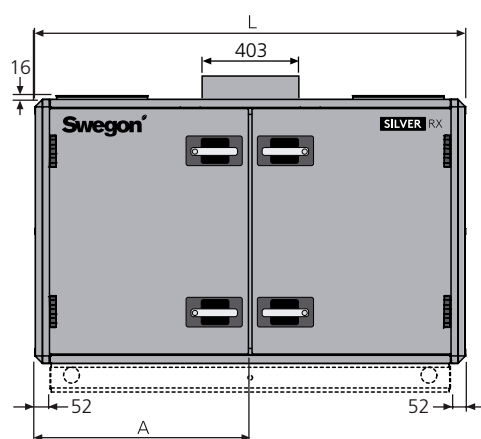
Left-hand version

Right-hand version

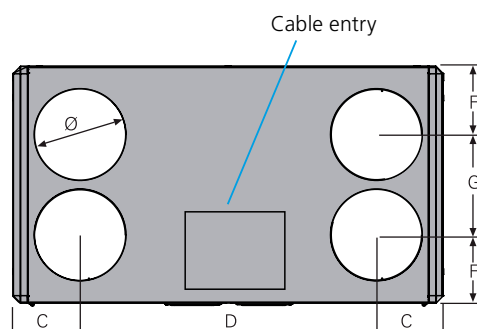


Outdoor air Supply air

Extract air Exhaust air



Base beams are optional.



Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
007	805	995	285,5	1048	280	435	1085	749	1619	400	312

#### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

#### Rated data per fan

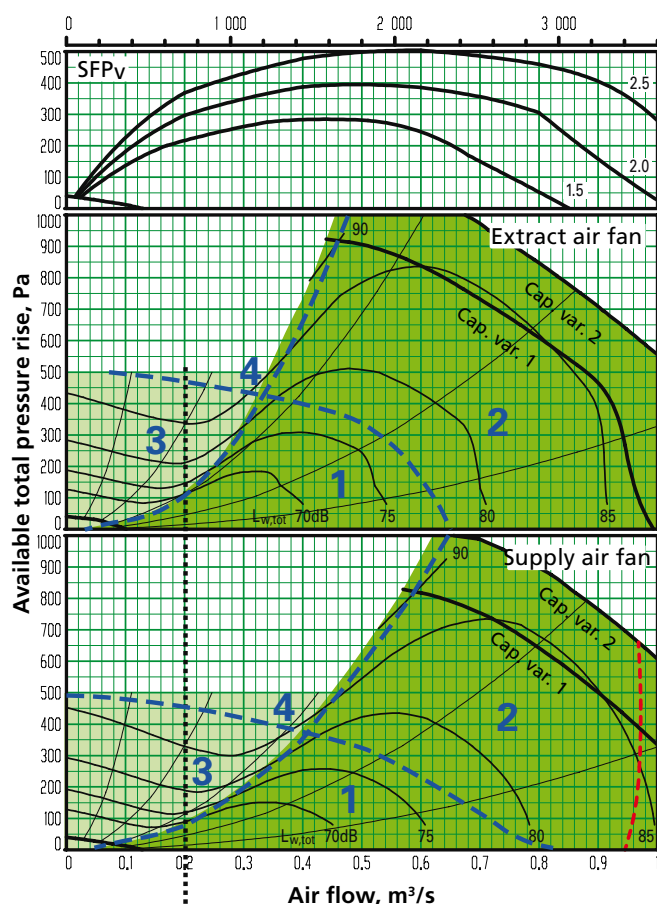
Motor shaft power: 0.8 kW,  
motor control system: 1 x 230 V, 50 Hz

#### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 008, common casing



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2.

The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

--- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m <sup>3</sup> /h	m <sup>3</sup> /s	m <sup>3</sup> /h	m <sup>3</sup> /s
008	720	0,20	3600	1,00

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 008, common casing

### Delivery and transport within the site

The SILVER C RX 008 is produced in one single variant. All of its components are arranged at their given physical locations inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.

### Duct connection options

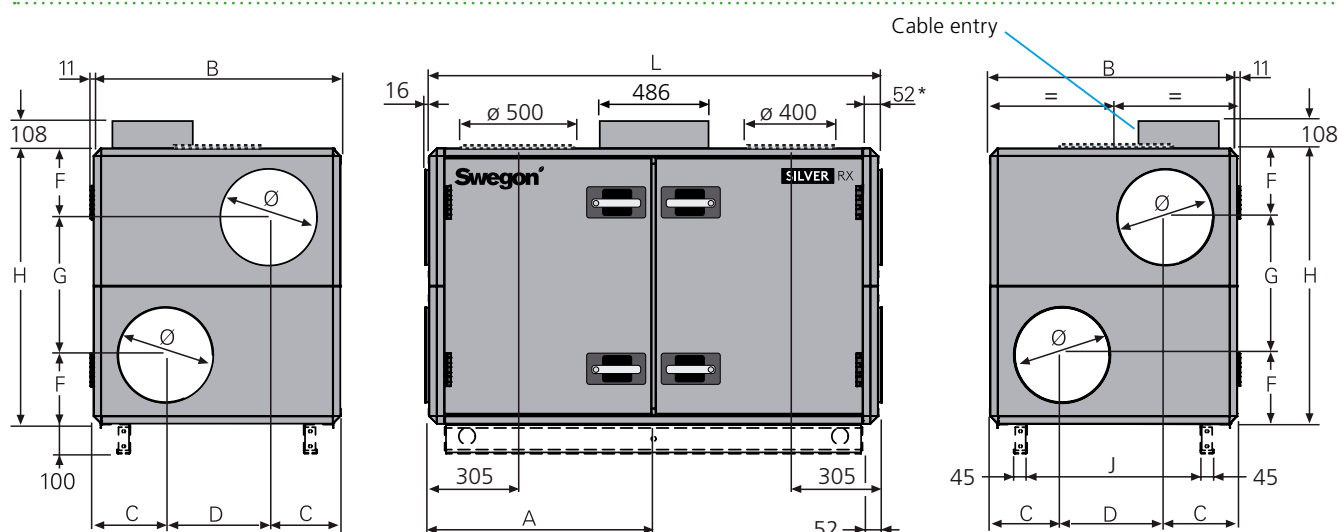
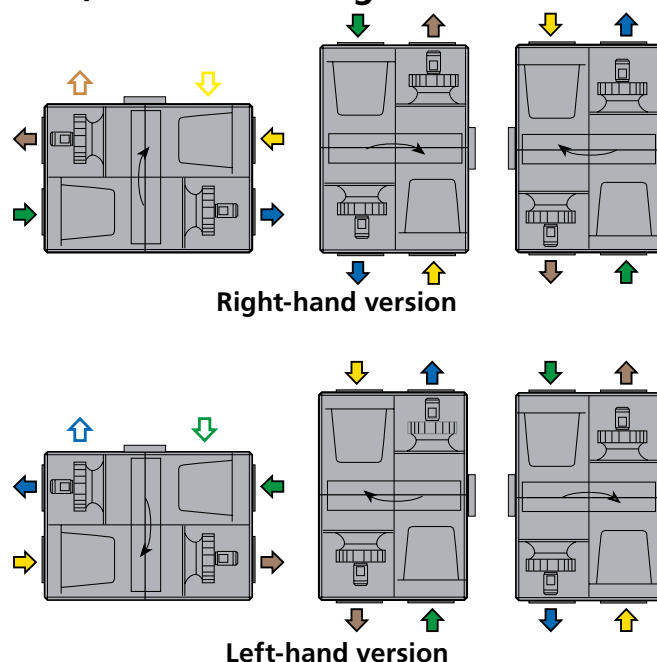
**A:** Specify right-hand or left-hand version when ordering.

**B:** The air handling unit can be installed up ended (Does not apply to units installed outdoors).

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size:  $\varnothing$  500 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

 Outdoor air  
  Supply air  
  Extract air  
  Exhaust air



The base beams are optional equipment.

\* The air handling unit can be supplied without end connection panels. 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
008	805	995	277,5	440	271	543	1085	749	1619	400	296-351

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

#### Capacity variant 1:

Motor shaft power: 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 6.0 A

#### Capacity variant 2:

Motor shaft power 1.6 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 2.8 A

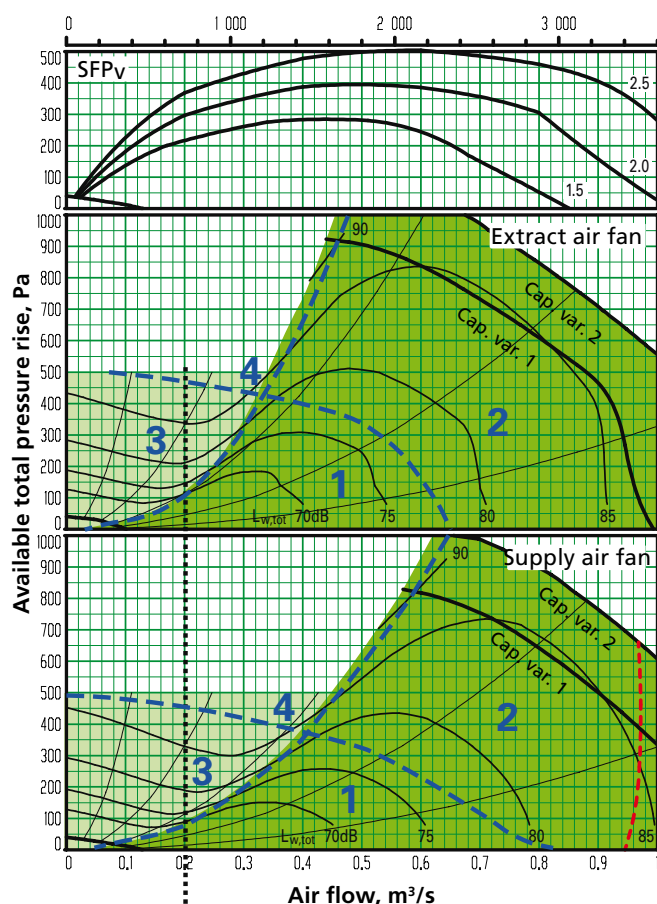
### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 008, split version



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2.

The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

--- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m <sup>3</sup> /h	m <sup>3</sup> /s	m <sup>3</sup> /h	m <sup>3</sup> /s
008	720	0,20	3600	1,00

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 008, split version

### Delivery and transport within the site

The SILVER C RX 008 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 004-080.

The unit sections are jointed together/split by means of bolts.

Prefitted base beams as standard.

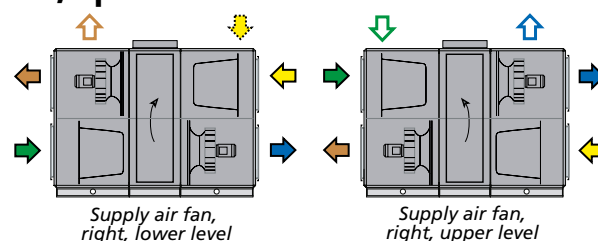
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

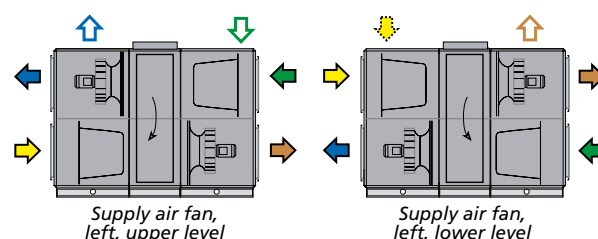
**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).  
N.B.! Duct connection size:  $\varnothing$  500 mm.

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

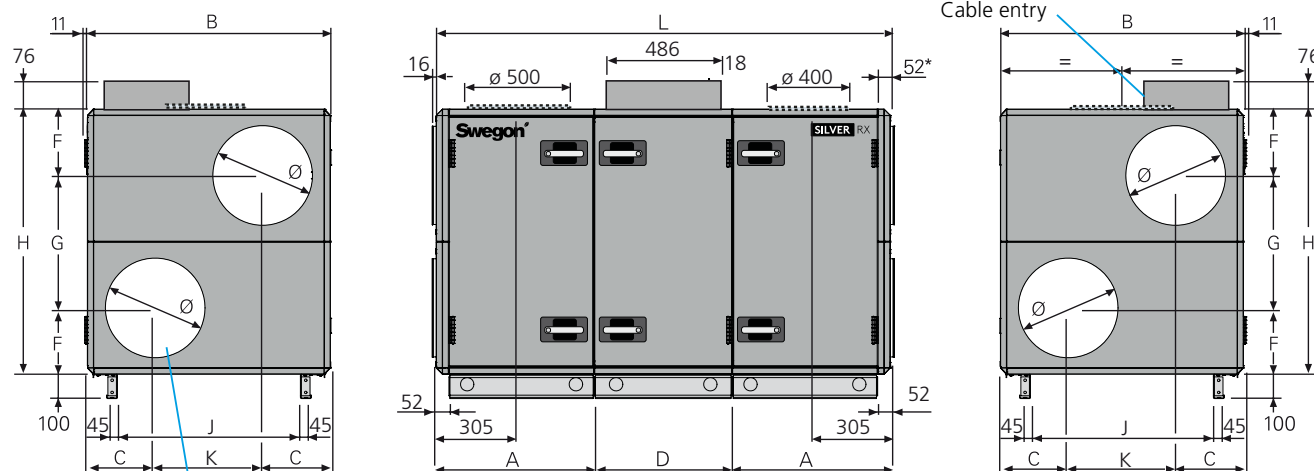


Right-hand version



Left-hand version

Outdoor air    Supply air    Extract air    Exhaust air

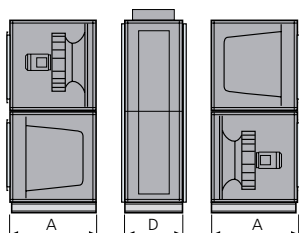


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

\* 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	$\varnothing$	Weight, kg
008	647.5	995	277.5	565	271	543	1085	749	440	1860	400	342-408

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 110-142 kg,  
D = 122-124 kg.

### Rated data per fan

#### Capacity variant 1:

Motor shaft power: 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 6.0 A

#### Capacity variant 2:

Motor shaft power 1.6 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 2.8 A

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

### Clear space for inspection

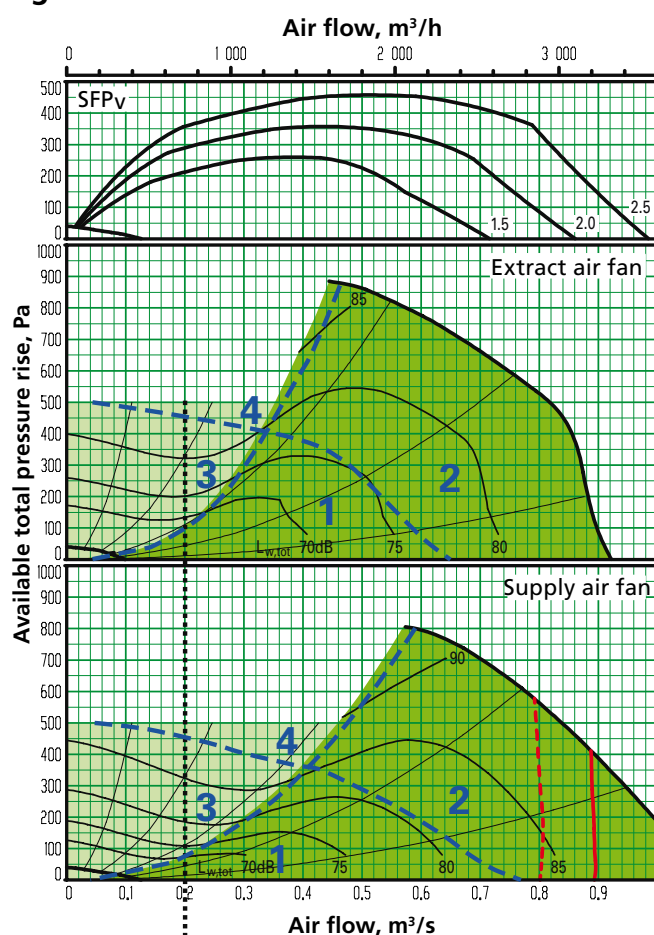
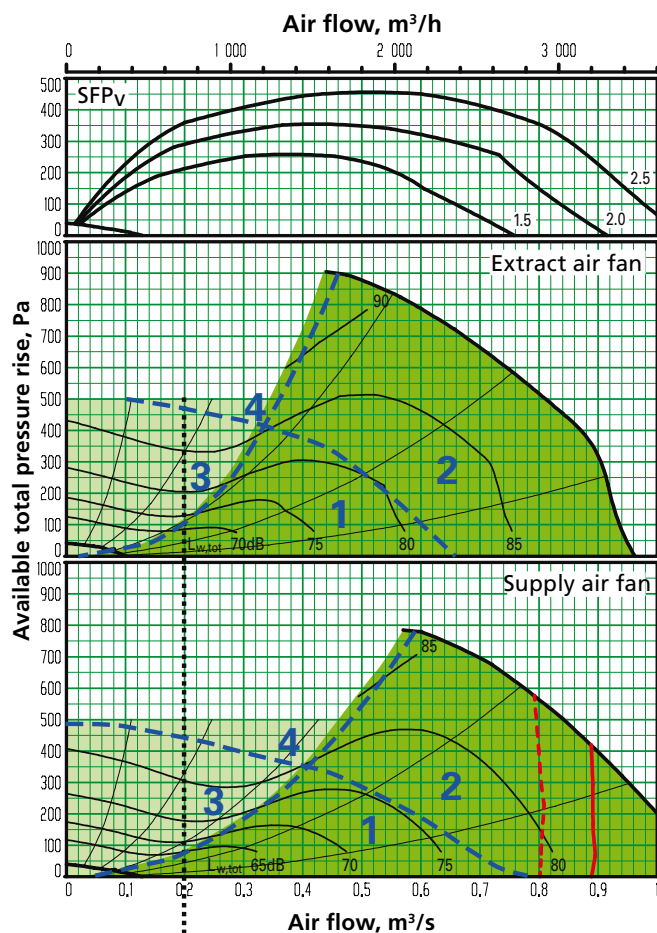
A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 008

Left-hand version.

Right-hand version.



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

For Ecodesign, the mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and Max. Airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
008	720	0.20	3600	1.00

### Correction factors $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-6	-9	-10	-19	-25	-23	-25	-22
	2	-7	-10	-15	-15	-23	-21	-24	-23
	3	-6	-4	-12	-24	-29	-29	-31	-28
	4	-7	-5	-10	-19	-28	-26	-29	-28
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account. \*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 008

### Delivery and Transport within the Site

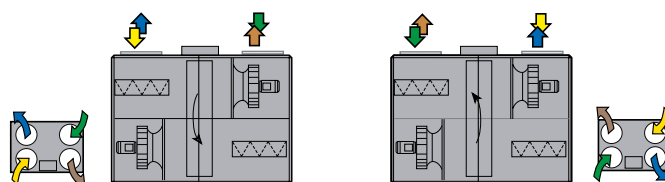
The SILVER C RX Top unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. The SILVER C RX Top 008 is always supplied as one unit. The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment; a separately supplied stand is available as an accessory.

### Duct connection options

**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.



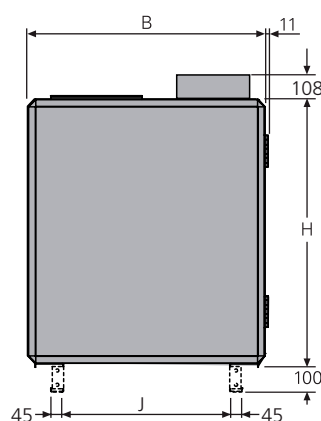
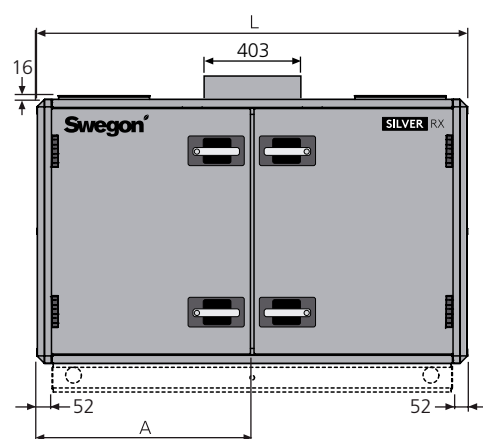
Left-hand version

Right-hand version

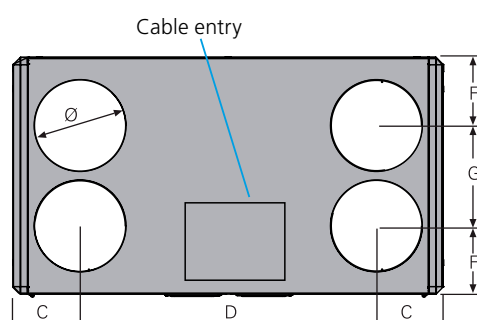


Outside air Supply air

Extract air Exhaust air



Base beams are optional.



Size	A	B	C	D	F	G	H	J	L	Ø	Weight, kg
008	805	995	285,5	1048	280	435	1085	749	1619	400	326

### Clear Space for Inspection

A clear space of 900 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

### Rated data per fan

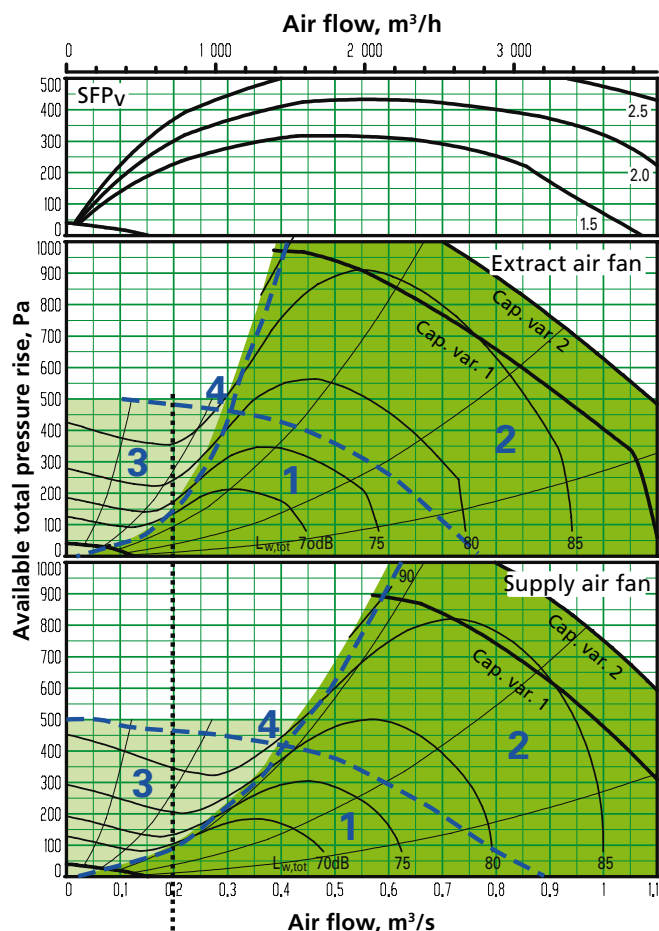
Motor shaft power 1.15 kW  
motor control system, 1 x 230 V, 50 Hz

### Motor, heat exchanger

45 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 011



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
011	720	0,20	3960	1,10

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
	4	-7	-5	-12	-22	-34	-36	-42	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 011

### Delivery and transport within the site

The SILVER C RX 011 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts. The air handling unit/unit sections is/are delivered on wooden beams.

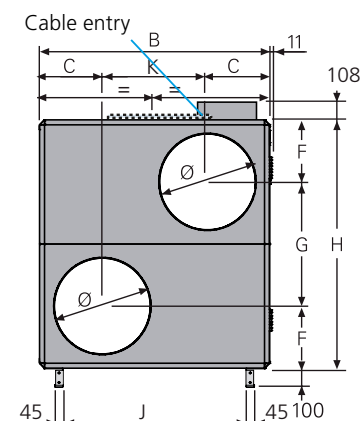
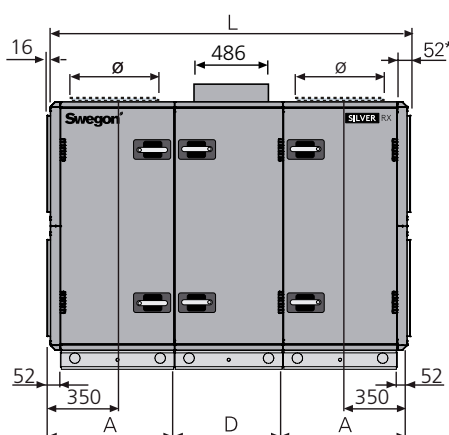
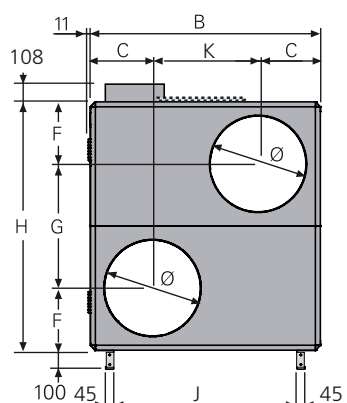
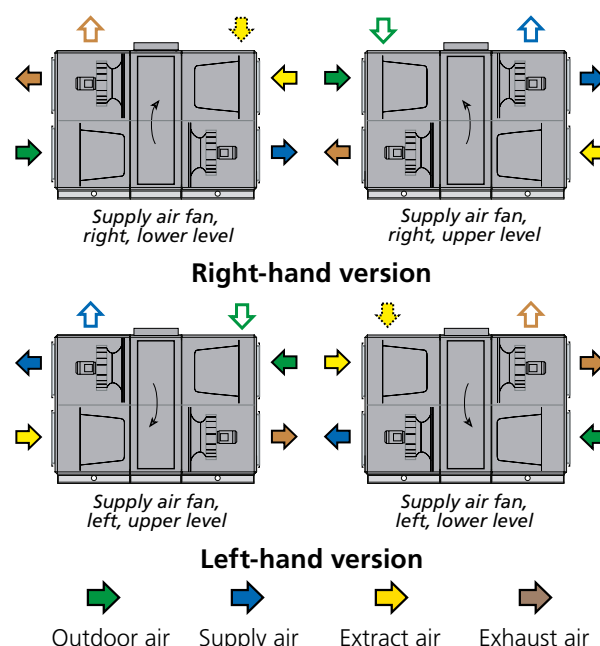
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

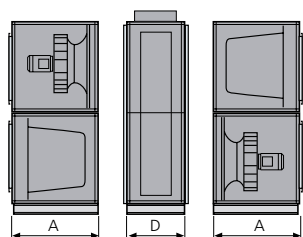


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

\* 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
011	647	1199	324	565	324	647	1295	953	551	1859	500	428-510

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 135-175 kg, D = 158-160 kg.

### Rated data per fan

#### Capacity variant 1:

Motor shaft power: 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz, rated 6.0 A

#### Capacity variant 2:

Motor shaft power 1.6 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 2.8 A

### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

### Clear space for inspection

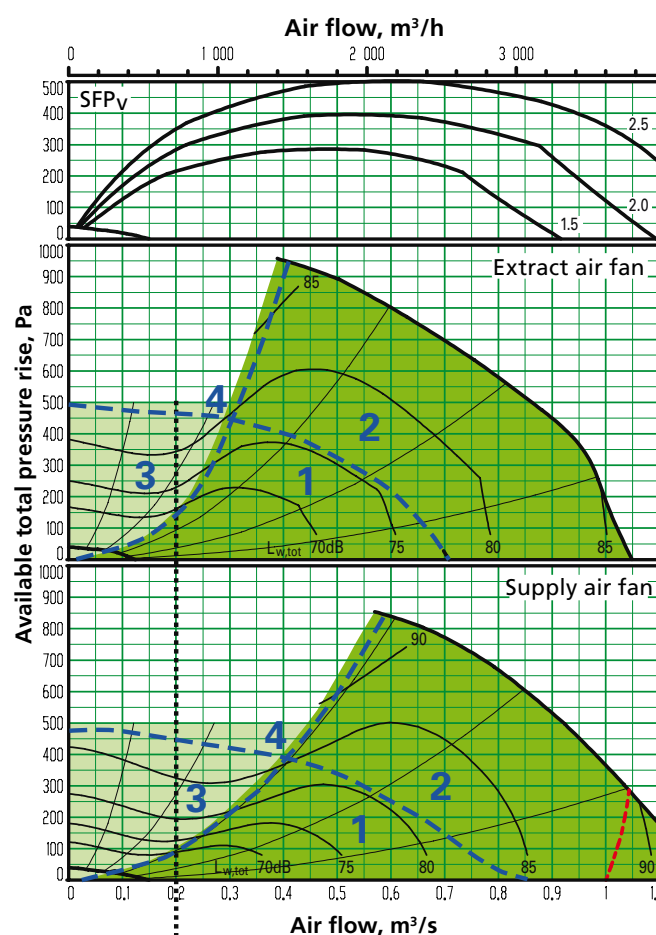
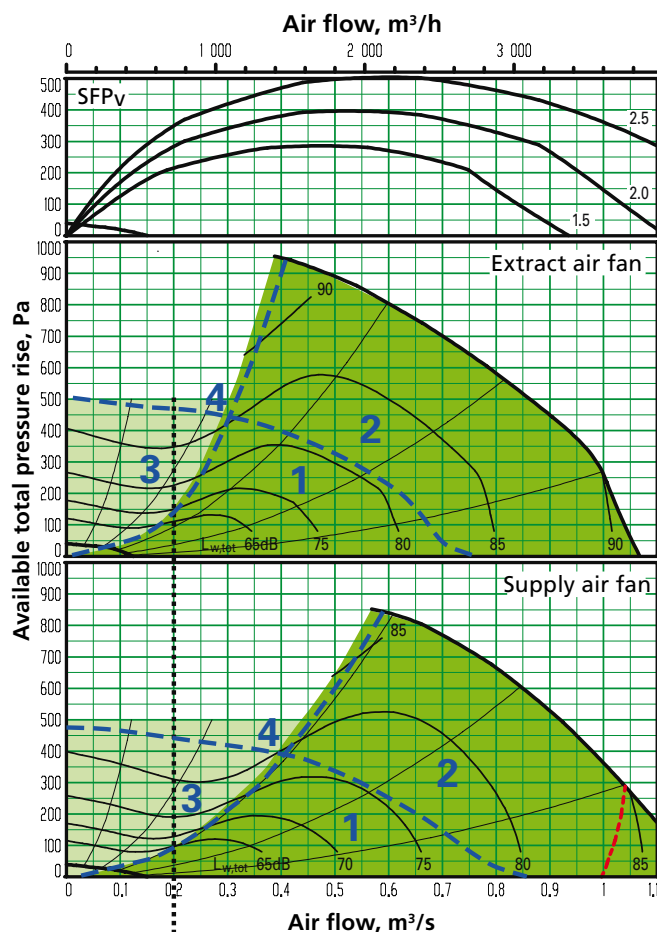
A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

# Sizing, installation, dimensions and weights

## SILVER C RX Top, rotary heat exchanger, size 011

### Left-hand version

### Right-hand version



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

For Ecodesign 2018, the mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

-- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (for airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
011	720	0,20	3960	1,10

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-6	-9	-10	-19	-25	-23	-25	-22
	2	-7	-10	-15	-15	-23	-21	-24	-23
	3	-6	-4	-12	-24	-29	-29	-31	-28
	4	-7	-5	-10	-19	-28	-26	-29	-28
To air handling unit surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account. \*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX Top, rotary heat exchanger, size 011

### Delivery and transport within the site

The SILVER C RX Top 011 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. The SILVER C RX Top 011 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 011-080.

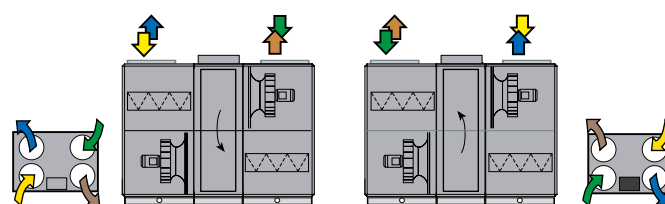
The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

### Duct connection options

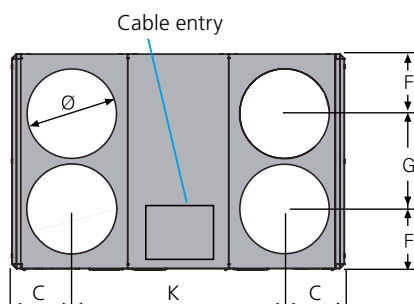
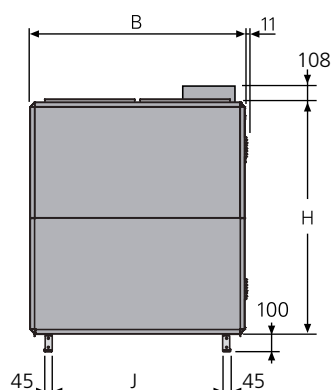
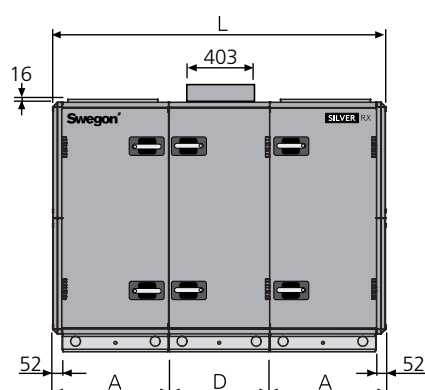
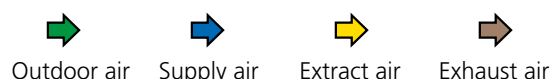
**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.



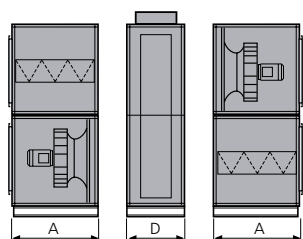
Left-hand version

Right-hand version



Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
011	647	1199	335	565	333	533	1295	953	1189	1859	500	479

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 160 kg,  
D = 159 kg.

### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 1.15 kW,  
motor control system: 1 x 230 V, 50 Hz

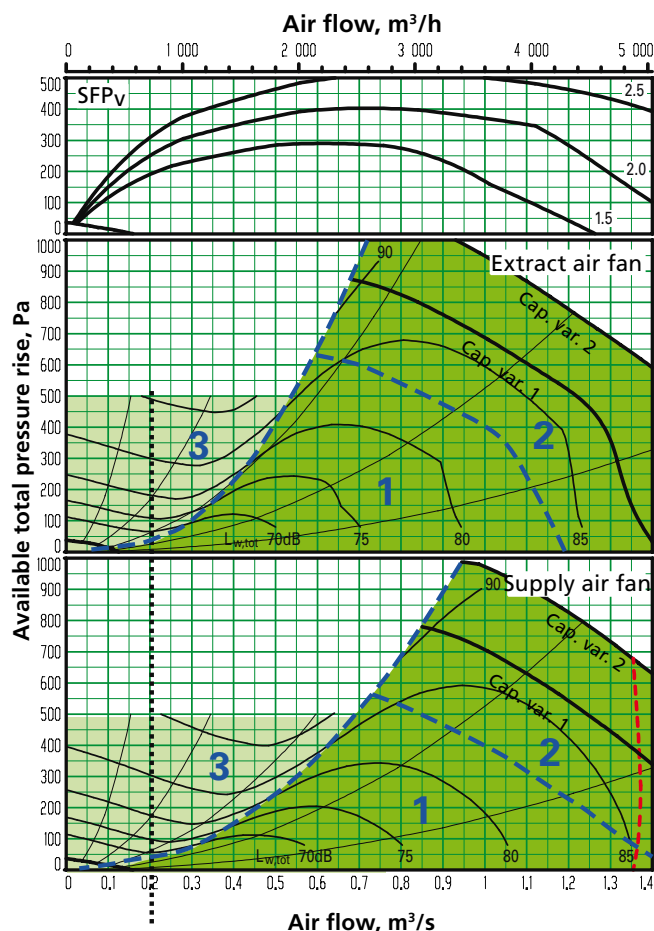
### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 012



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2.

The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

- - - Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
012	720	0,20	5040	1,40

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 012

### Delivery and transport within the site

The SILVER C RX 012 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

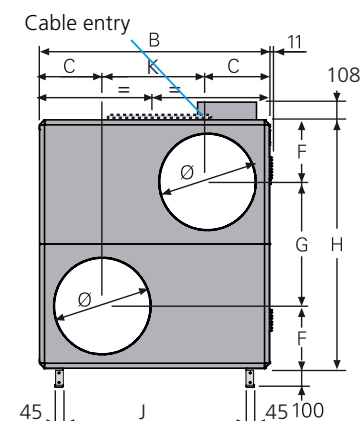
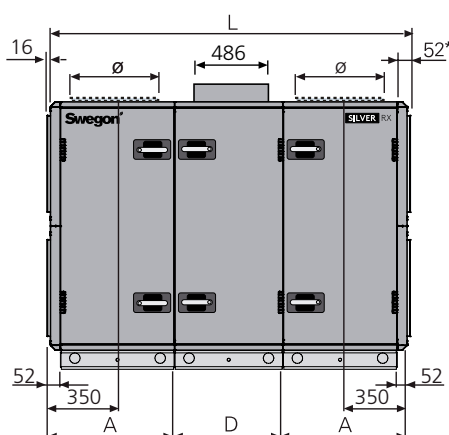
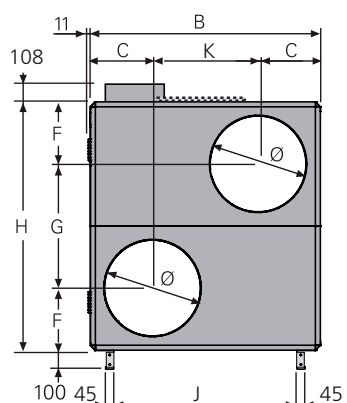
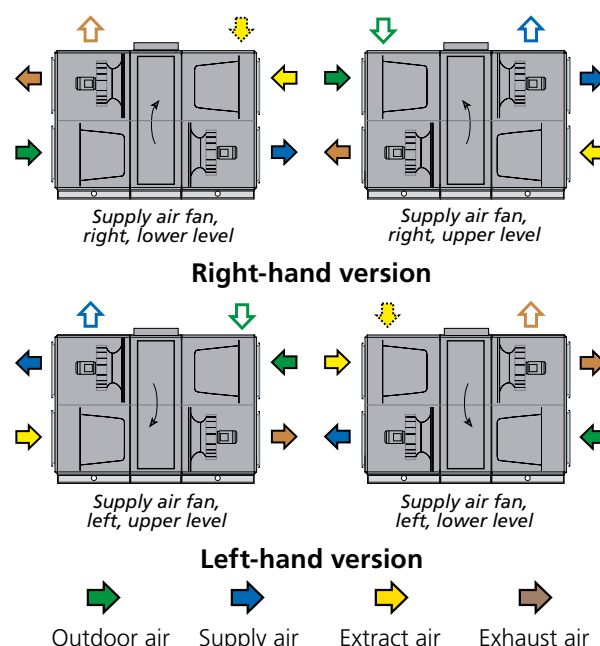
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).

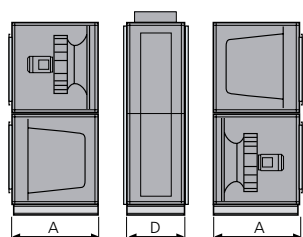


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

\* 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
012	647	1199	324	565	324	647	1295	953	551	1859	500	451-537

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 146-189 kg, D = 159 kg.

### Clear space for inspection

A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 1.6 kW alt. 2.4 kW, motor control system: 3 x 400 V, 50 Hz, rated 2.8 A alt. 3.8 A

### Motor, heat exchanger

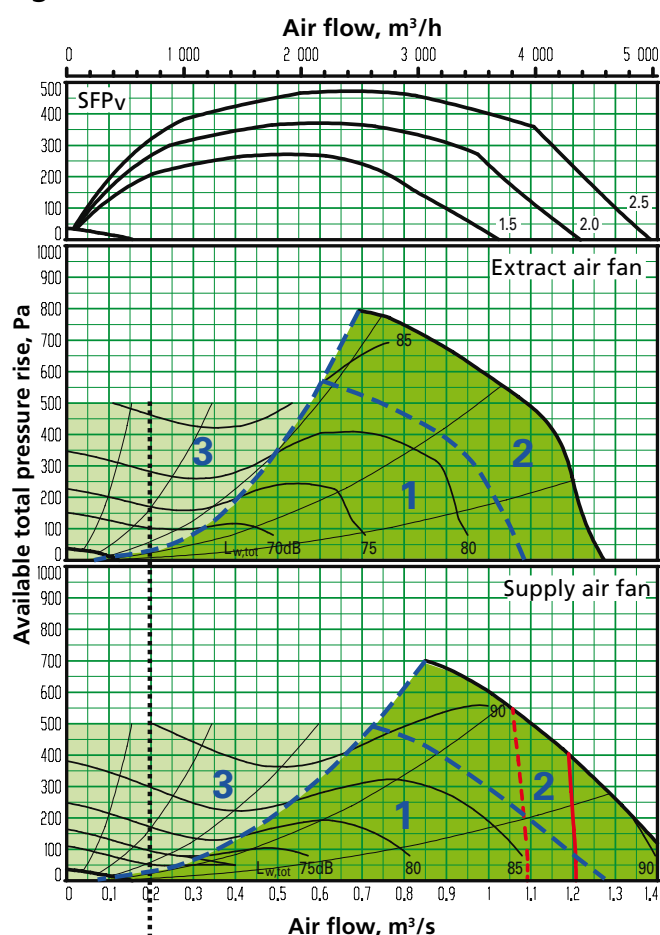
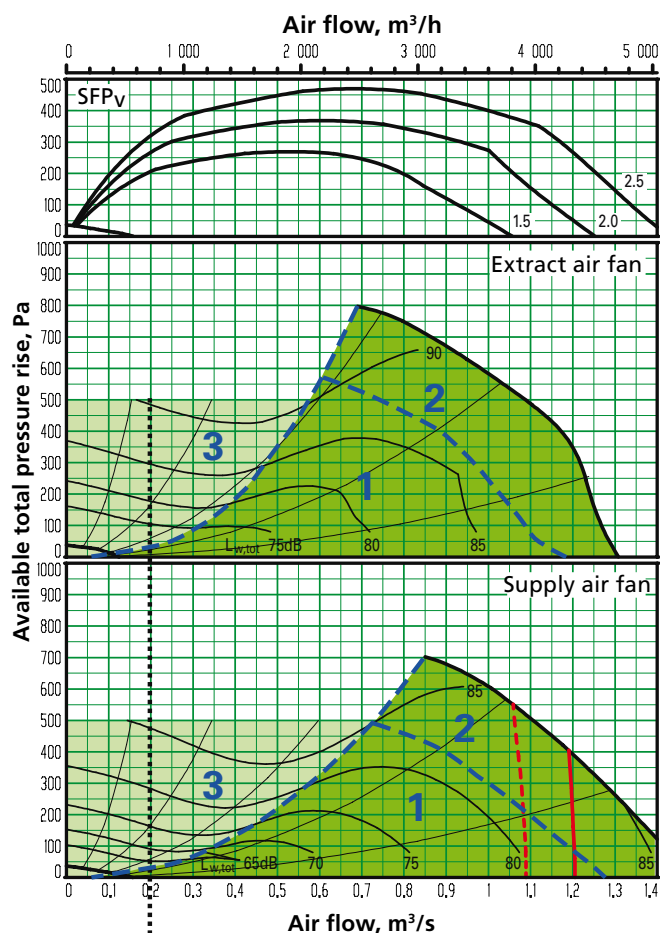
Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 012

Left-hand version.

Right-hand version.



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

For Ecodesign, the mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and Max. Airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
012	720	0,20	5040	1,40

### Correction factors $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, No. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
To inlet duct*	1	-6	-9	-10	-19	-25	-23	-25	-22
	2	-7	-10	-15	-15	-23	-21	-24	-23
	3	-6	-4	-12	-24	-29	-29	-31	-28
To air handling unit surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account. \*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, Installation, Dimensions and Weights

## SILVER C RX Top, rotary heat exchanger, size 012

### Delivery and Transport within the Site

The SILVER C RX Top 012 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. The SILVER C RX Top 012 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/Delivery Configuration RX/PX/CX, sizes 011-080.

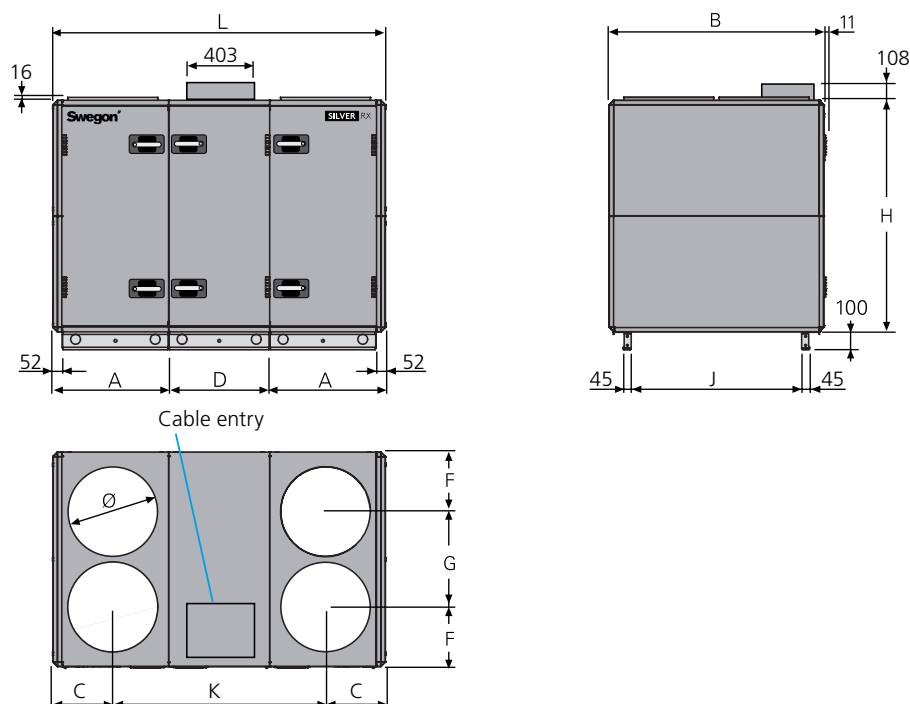
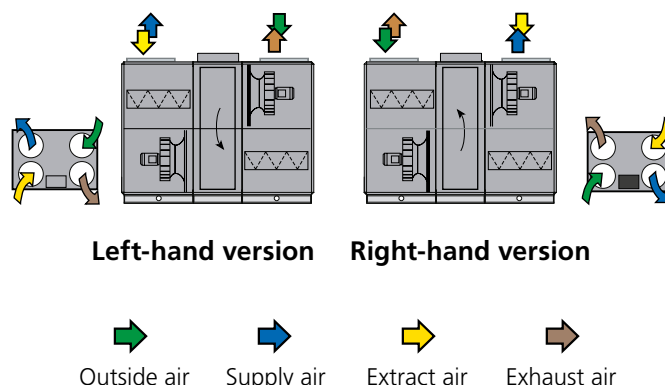
The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

### Duct connection options

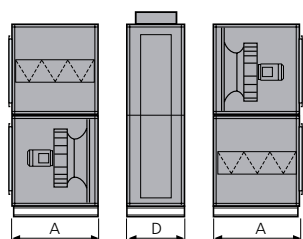
**A:** All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

**B:** Specify right-hand or left-hand version when ordering.



Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
012	647	1199	335	565	333	533	1295	953	1189	1859	500	501

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 171 kg,  
D = 159 kg.

### Clear Space for Inspection

A clear space of 800 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

### Rated data per fan

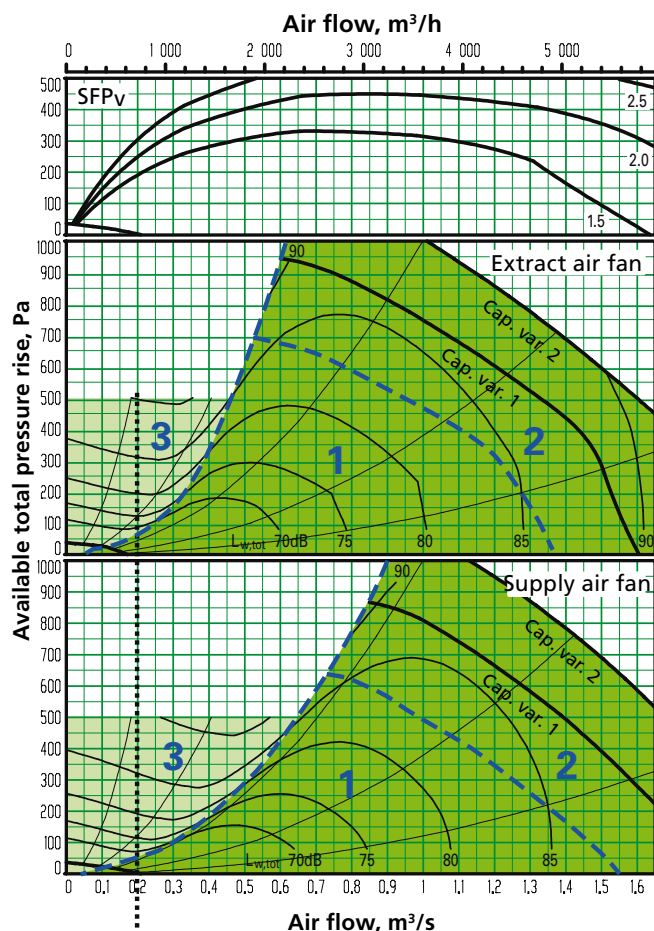
Motor shaft power: 1.6 kW,  
motor control system, 3 x 400 V, 50 Hz

### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 014



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

The air handling unit complies with requirements to Ecodesign 2016/2018.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
014	720	0,20	5940	1,65

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
To the inlet duct*	1	-6	-9	-12	-22	-31	-33	-38	-37
	2	-7	-10	-17	-18	-29	-31	-37	-38
	3	-6	-4	-14	-27	-35	-39	-44	-43
To unit's surroundings**	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 014

### Delivery and transport within the site

The SILVER C RX 014 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

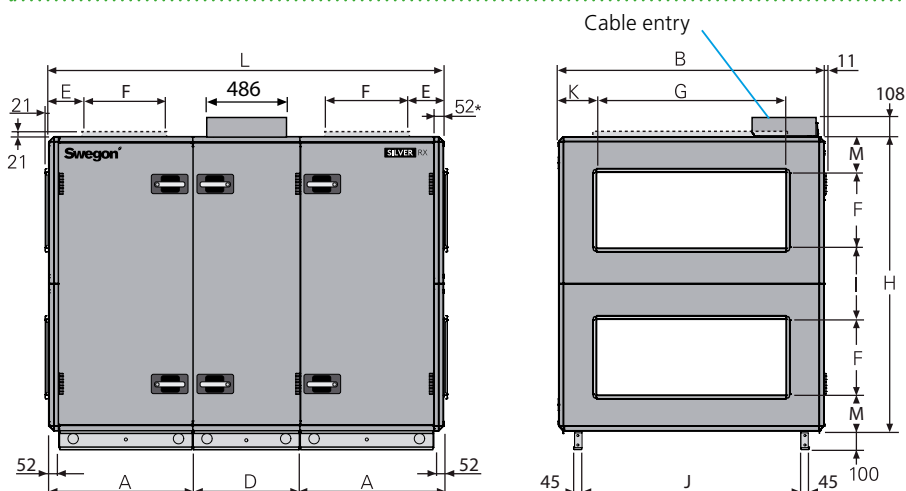
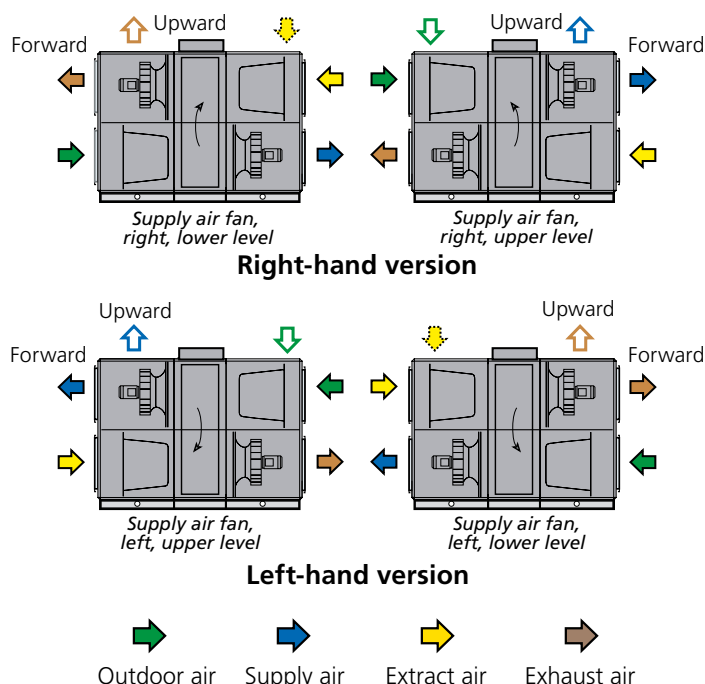
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

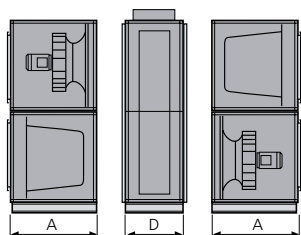
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
014	757,5	1400	565	205	400	1000	1551	375	1154	200	2080	188	573-681

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 190-244 kg, D = 193 kg.

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

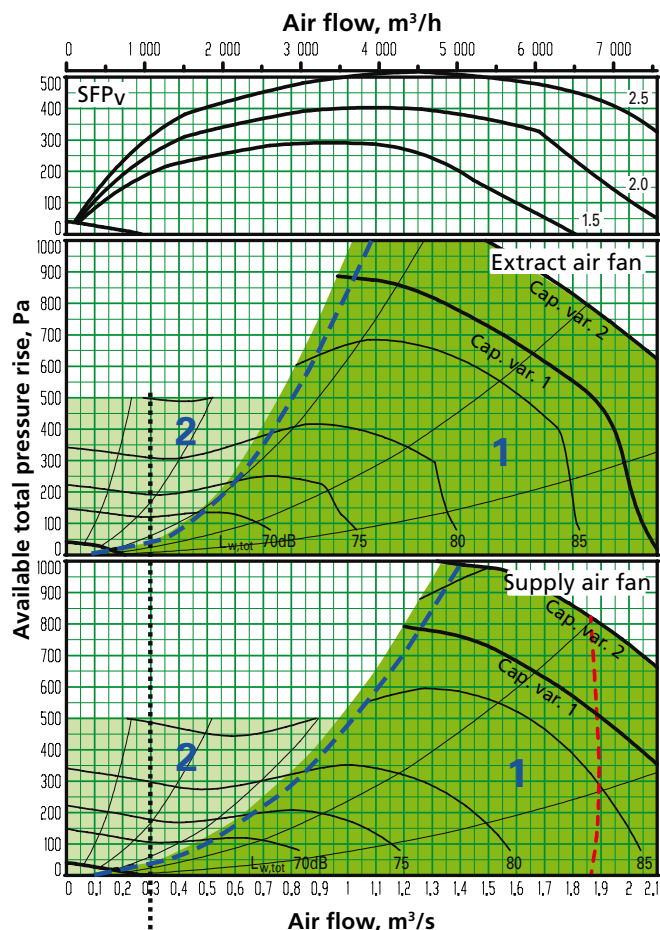
Motor shaft power: 1.6 alt. 2.4 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 2.8 A alt. 3.8 A

### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorpton: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 020



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2.

The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m <sup>3</sup> /h	m <sup>3</sup> /s	m <sup>3</sup> /h	m <sup>3</sup> /s
020	1080	0.30	7560	2.1

### Correction factors, K<sub>OK</sub>, dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To unit's surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 020

### Delivery and transport within the site

The SILVER C RX 020 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

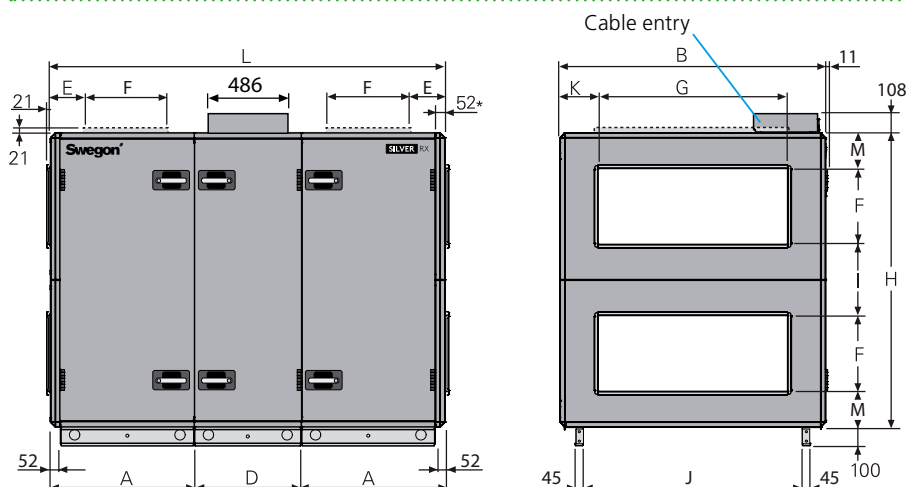
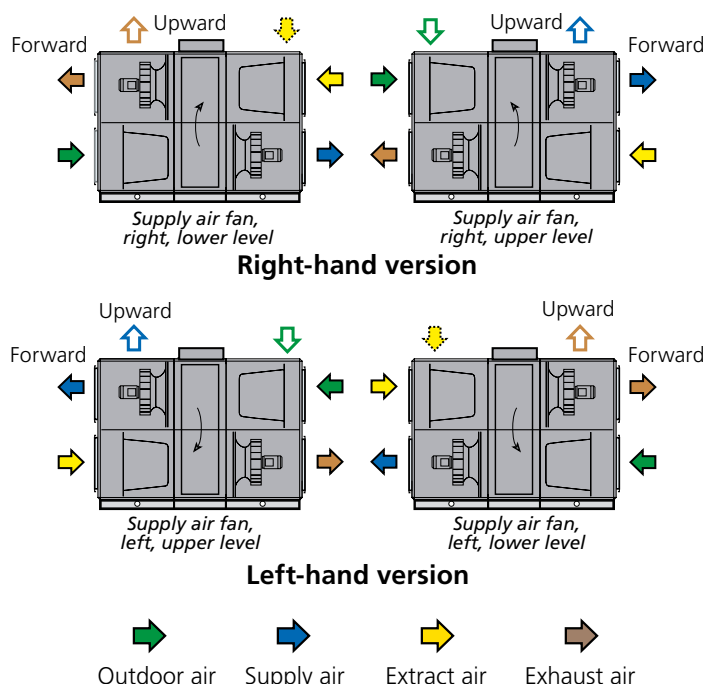
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

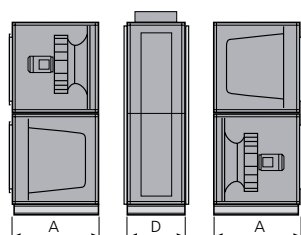
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
020	757,5	1400	565	205	400	1000	1551	375	1154	200	2080	188	593-721

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 200-264 kg,  
D = 193 kg.

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

### Rated data per fan

Motor shaft power: 2.4 kW alt. 3.4 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 4.2 A alt. 5.9 A

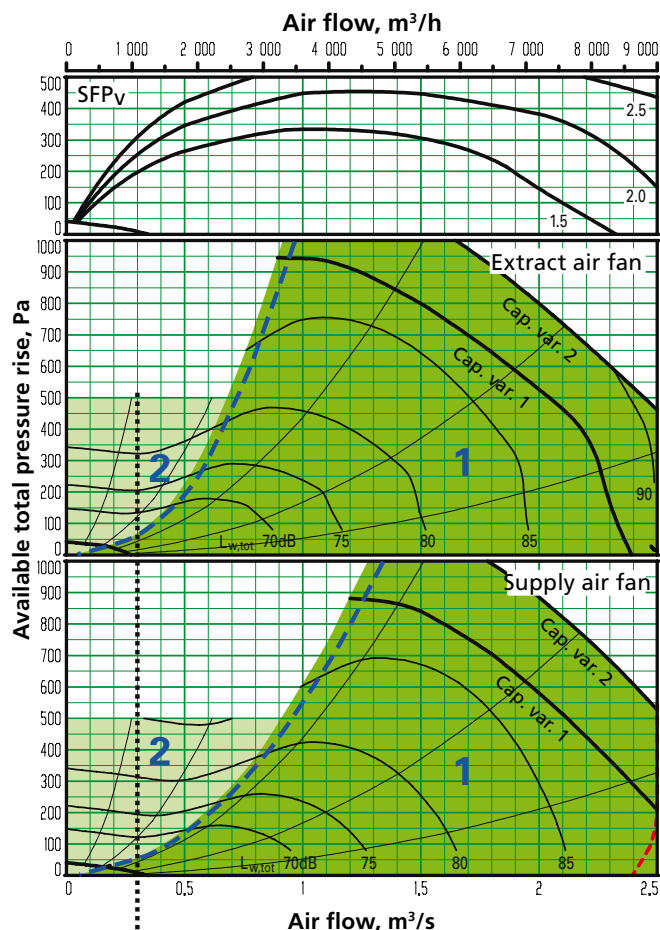
### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 025



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2.

The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016.

Recommended working range for sizing.

Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).

Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
025	1080	0.30	9000	2,50

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To unit's surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 025

### Delivery and transport within the site

The SILVER C RX 025 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

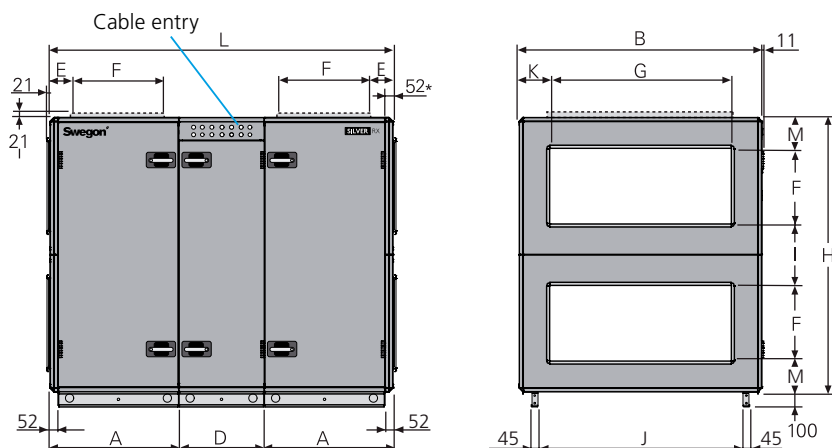
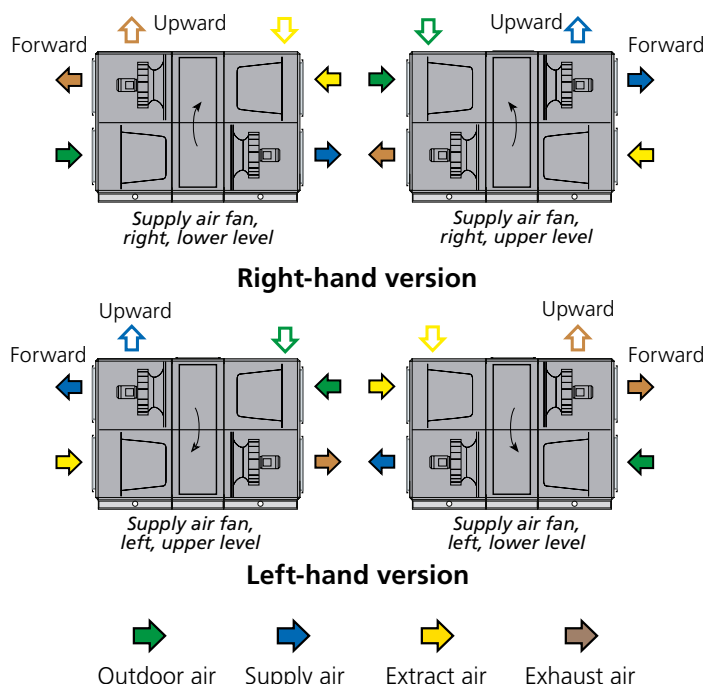
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

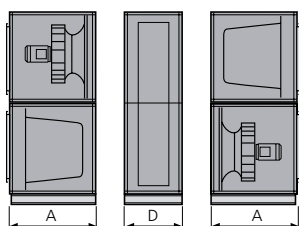
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
025	848	1600	565	200	500	1200	1811	405	1354	200	2261	203	746-914

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 249-333 kg, D = 248 kg.

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 2.4 kW alt. 3.4 kW,

motor control system: 3 x 400 V, 50 Hz, rated 4.2 A alt. 5.9 A

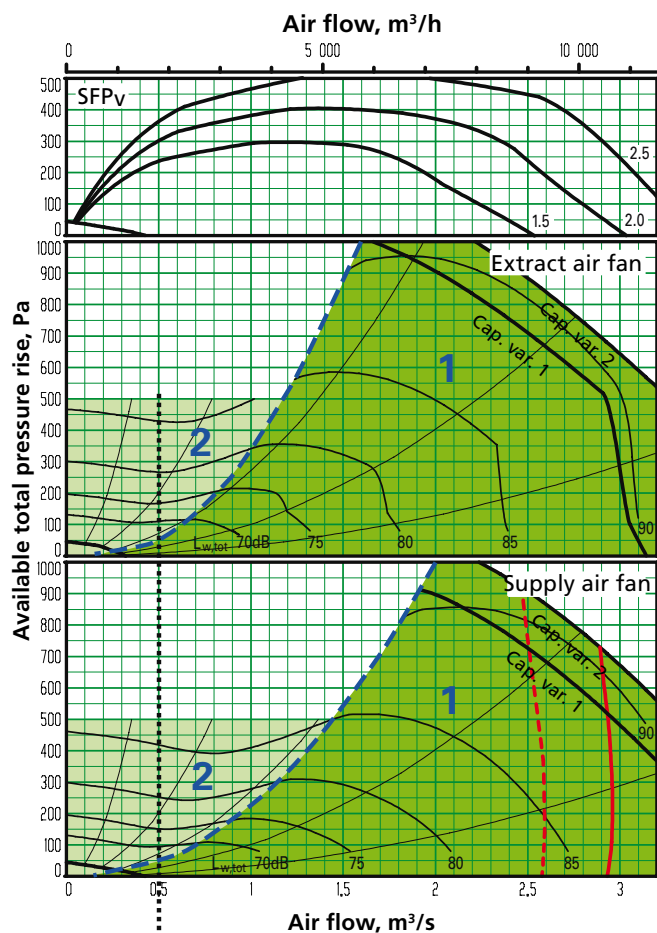
### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 030



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

The limit line for Ecodesign is calculated with capacity variant 2. The mean value for supply air and extract air must be within the limit line.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the airflow when the unit is operating in the airflow regulation mode; see the black broken line in the diagram. 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).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. flow (For units operating in the airflow reg. mode)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
030	1800	0,50	11520	3,20

### Correction factors, $K_{OK}$ , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To unit's surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 030

### Delivery and transport within the site

The SILVER C RX 030 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

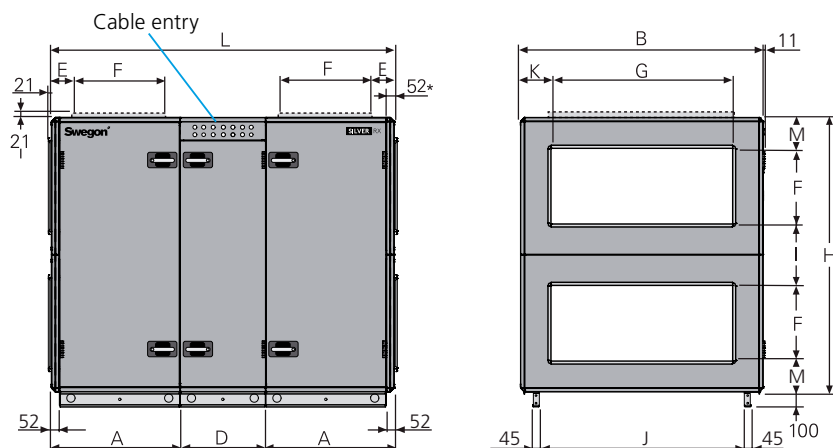
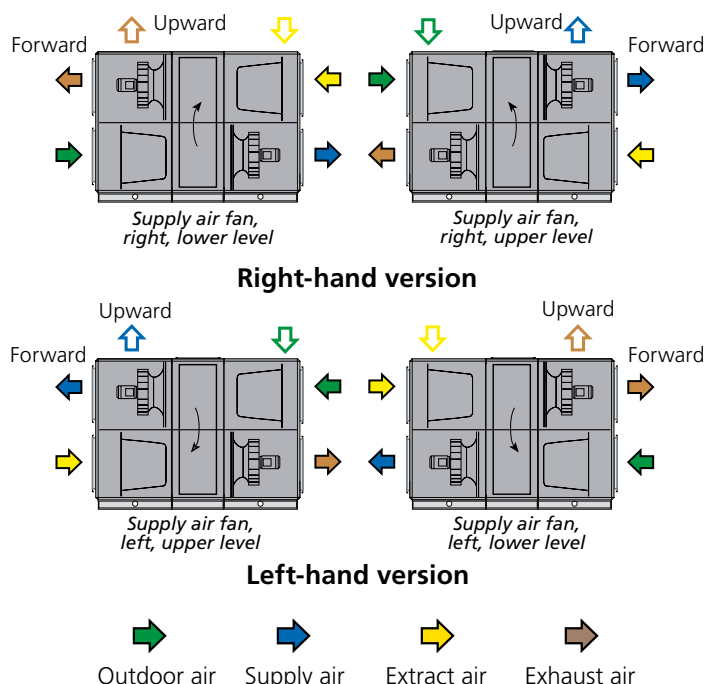
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

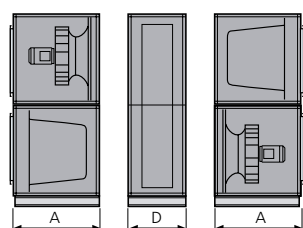
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
030	848	1600	565	200	500	1200	1811	405	1354	200	2261	203	798-938

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 275-345 kg, D = 248 kg.

### Clear space for inspection

A clear space of 900 mm should be provided in front of the unit.

### Rated data per fan

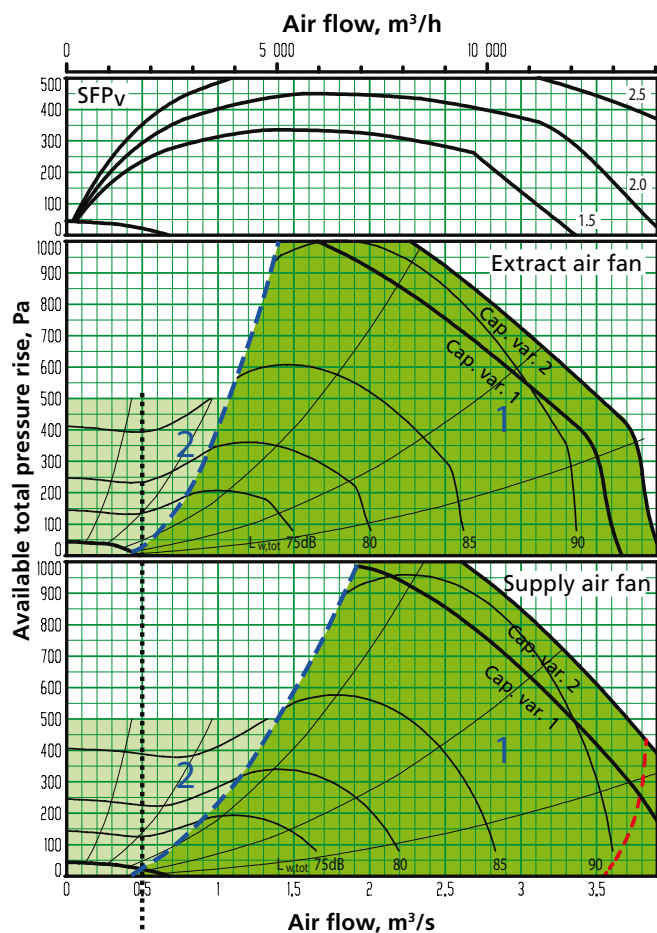
Motor shaft power: 4.0 kW alt. 5.0 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 7.3 A alt. 8.9 A

### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 035



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
035	1800	0,50	14040	3,90

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 035

### Delivery and transport within the site

The SILVER C RX 035 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

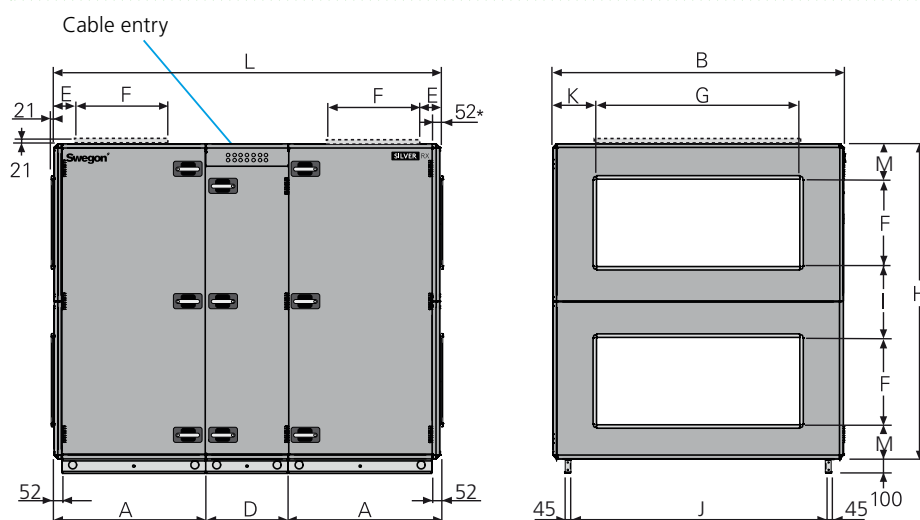
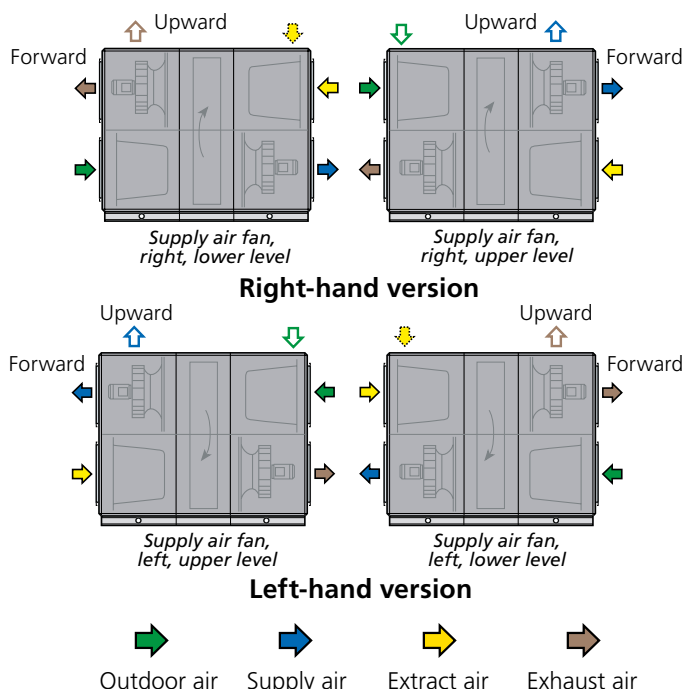
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

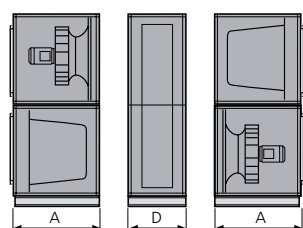
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
035	1038.5	1990	565	245	600	1400	2159	479	1744	295	2642	240	1099-1309

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 377-482 kg, D = 345 kg.

### Clear space for inspection

A clear space of 1100 mm should be provided in front of the unit.

### Rated data per fan

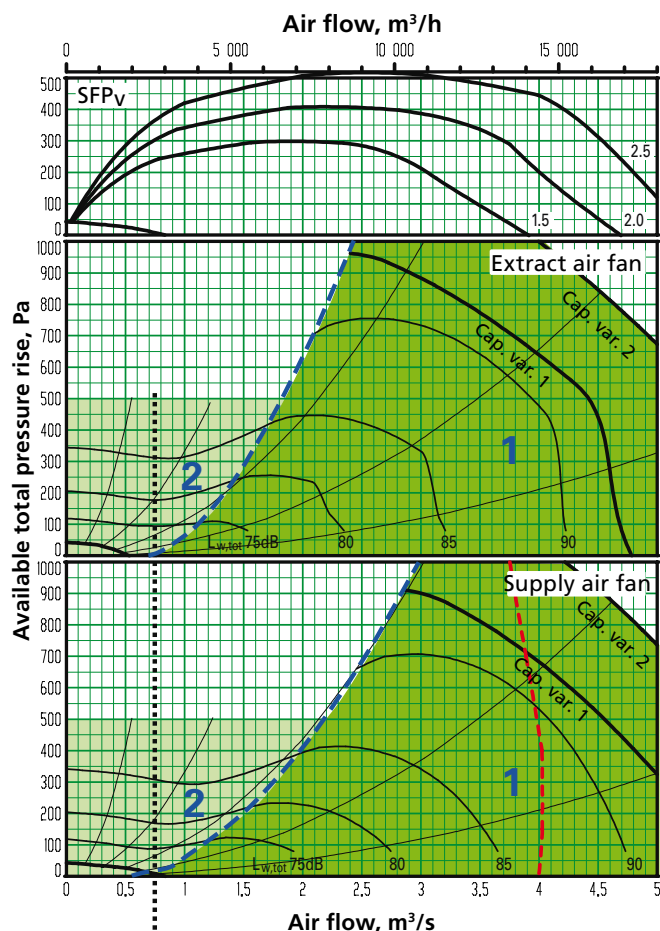
Motor shaft power: 4.0 kW alt. 5.0 kW,  
motor control system: 3 x 400 V, 50 Hz, rated 7.3 A alt. 8.9 A

### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 040



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

The limit line for Ecodesign is calculated with full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
040	2700	0,75	18000	5,00

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 040

### Delivery and transport within the site

The SILVER C RX 040 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The air handling unit/unit sections is/are delivered on wooden beams.

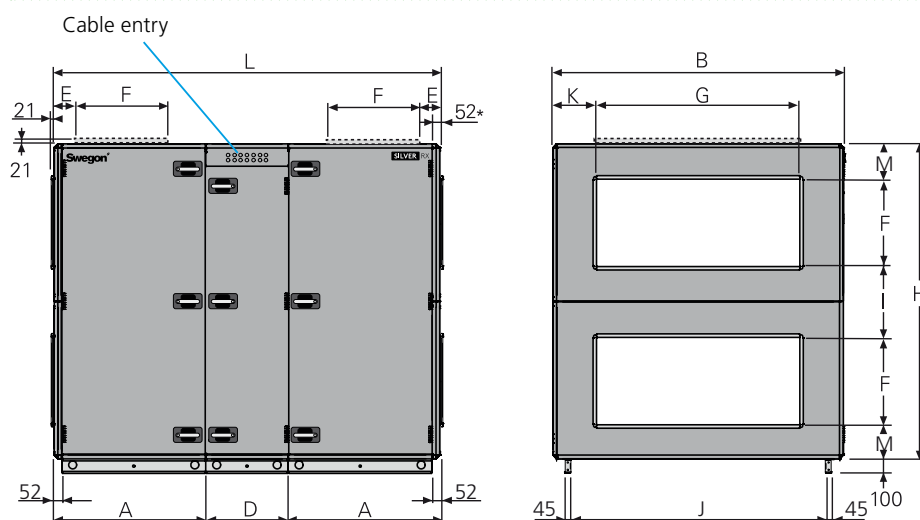
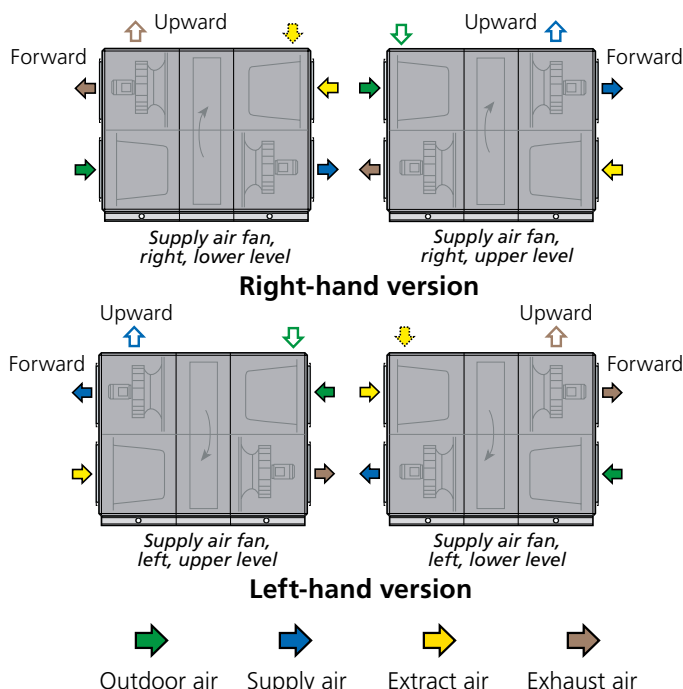
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

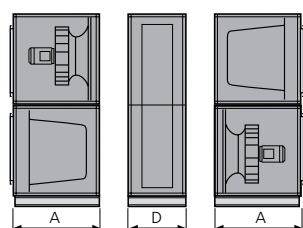
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



\* 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
040	1038.5	1990	565	245	600	1400	2159	479	1744	295	2642	240	1125-1353

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 390-504 kg, D = 345 kg.

### Clear space for inspection

A clear space of 1100 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 6,5 kW alt. 10 kW,  
motor control system: 3 x 400 V, 50 Hz, nom. 11.4 A alt. 16 A

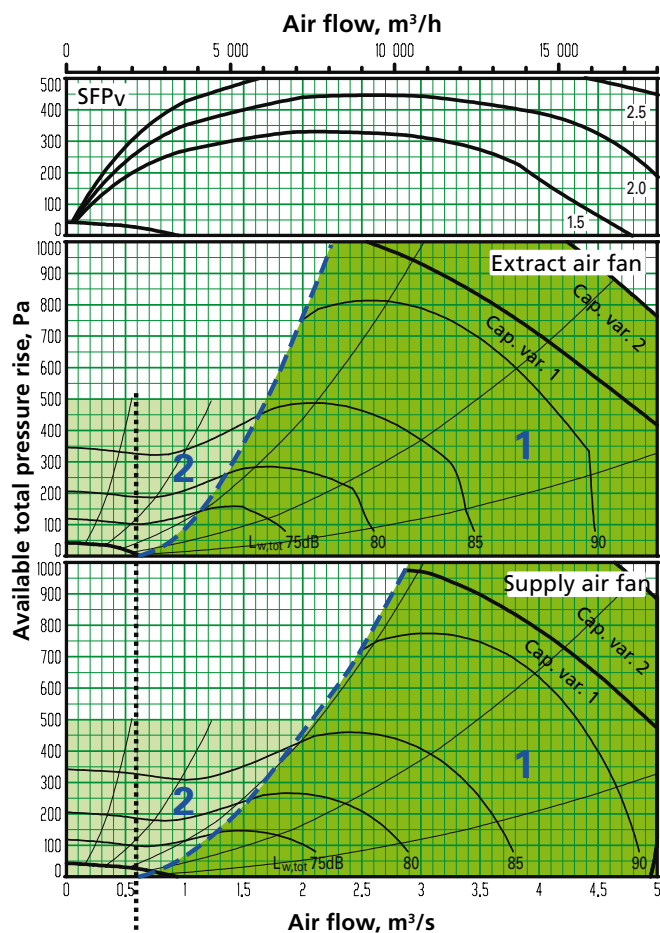
### Motor, heat exchanger

Standard: 45 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 90 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 050



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

The diagram shows air handling units including standard the end connection panels.

The air handling unit complies with requirements to Ecodesign 2016/2018.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
050	2160	0,6	18000	5,00

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 050

### Delivery and transport within the site

The SILVER C RX 050 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The unit is supplied on 100 mm high support feet made of steel.

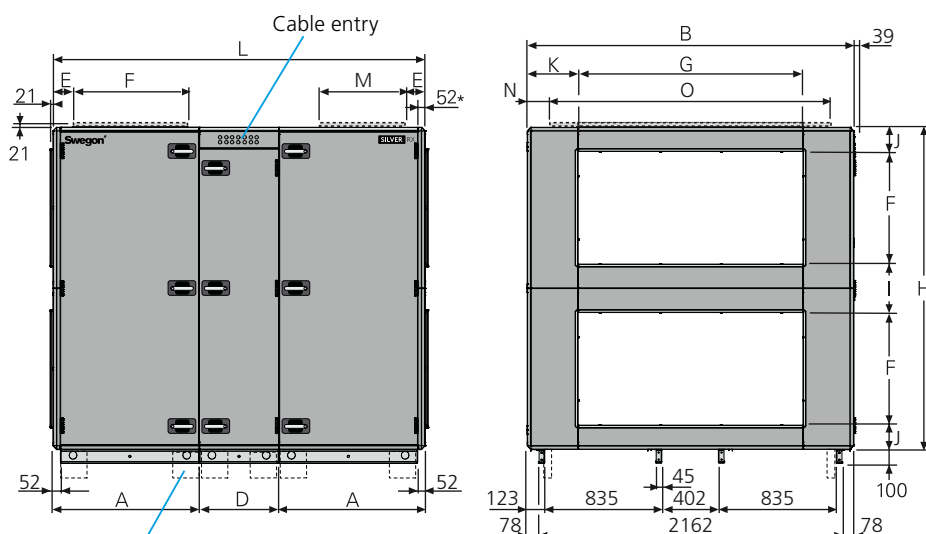
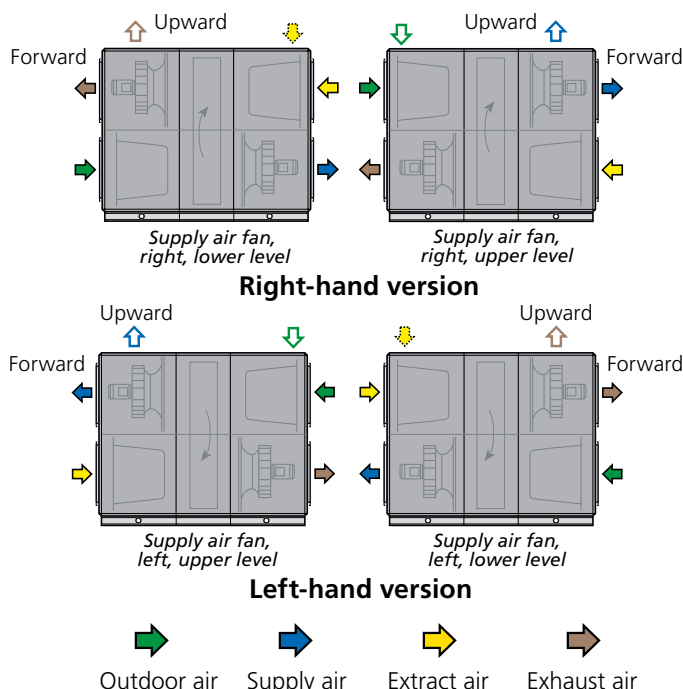
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

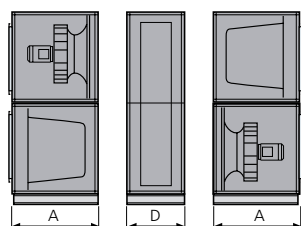
**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B. ! Duct connection size: 2,000 x 600 mm.



Supplied on 100 mm high transport feet. Removed when the unit is at its final location.

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
050	1038,5	2318	565	145	800	1600	2288	344	172	359	2642	600	159	2000	1302-1569

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 444-572 kg, D = 414-425 kg.

### Clear space for inspection

A clear space of 1,100 mm should be provided in front of the unit.

### Rated data per fan

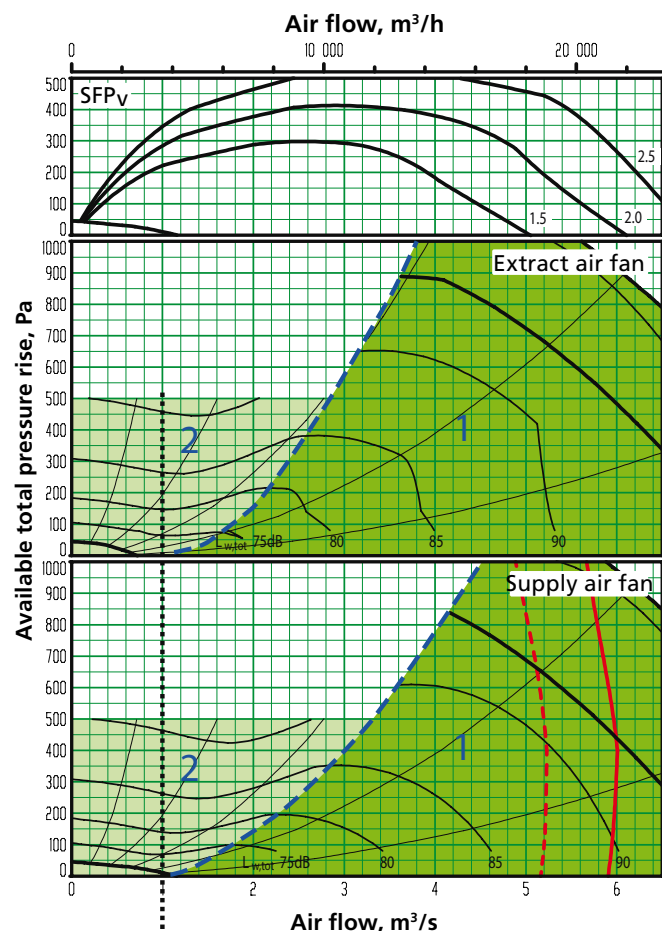
Motor shaft power: 6,5 kW alt. 10 kW,  
motor control system: 3 x 400 V, 50 Hz, nom. 11.4 A alt. 16 A

### Motor, heat exchanger

Standard: 150 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A  
Sorption: 380 W, 3 x 400 V, 50 Hz, max. perm. fuse prot.: 10A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 060



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

The limit line for Ecodesign is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2016
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
060	3600	1,00	23400	6,50

### Correction factors, K<sub>OK</sub>, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 060

### Delivery and transport within the site

The SILVER C RX 060 can be supplied as one single unit, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The unit is supplied on 100 mm high support feet made of steel.

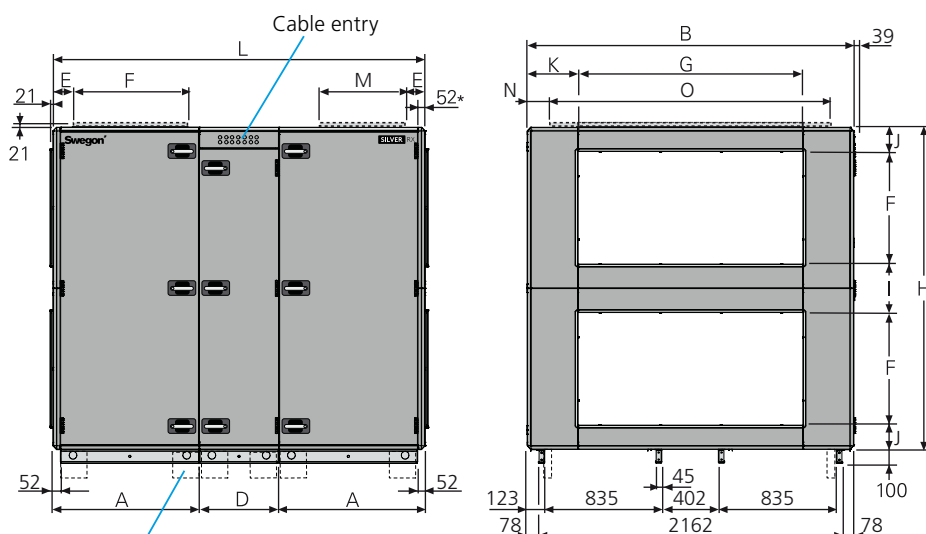
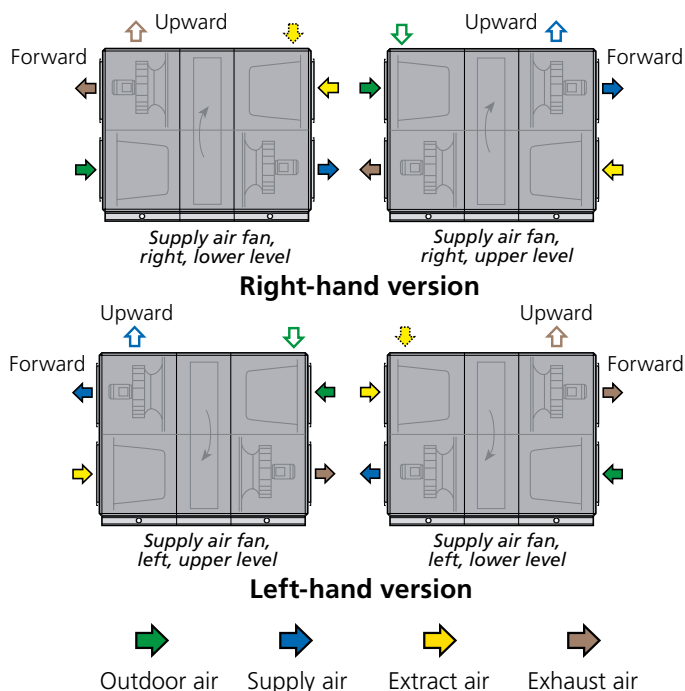
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size: 2,000 x 600 mm.

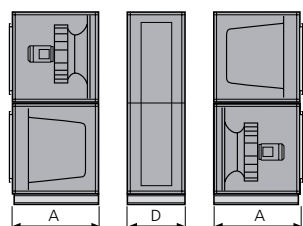


\* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Supplied on 100 mm high transport feet. Removed when the unit is at its final location.

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
060	1038,5	2318	565	145	800	1600	2288	344	172	359	2642	600	159	2000	1436-1685

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 511-630 kg, D = 414-425 kg.

### Clear space for inspection

A clear space of 1,100 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 2 x 4.0 kW alt. 2 x 6.5 kW\*, motor control system: 3 x 400 V, 50 Hz, rated 7.3 A alt. 11.2 A

\* Two fans/motor control systems per airflow direction.

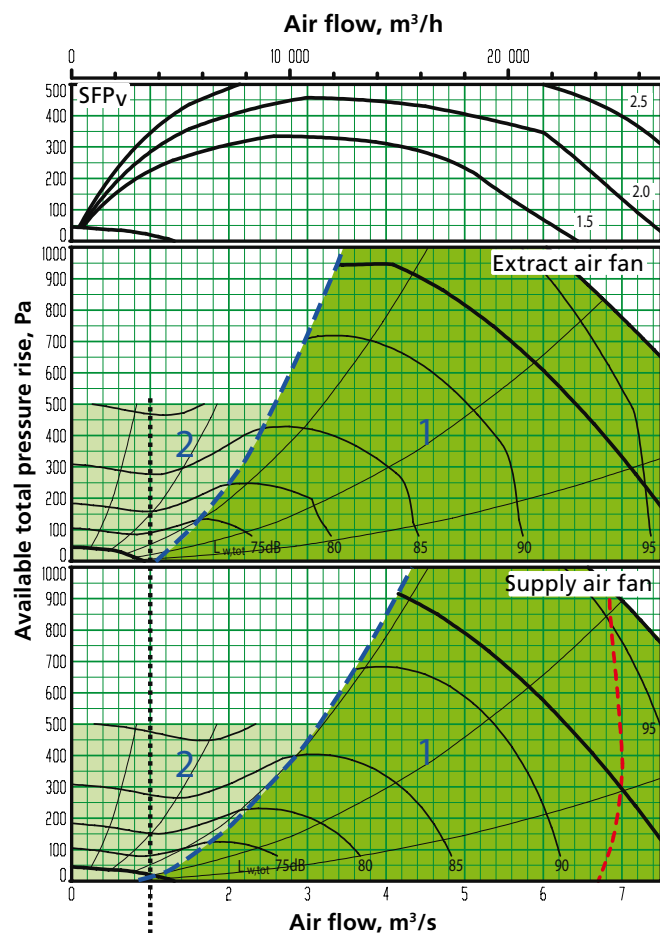
### Motor, heat exchanger

Standard: 150 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

Sorption: 380 W, 3 x 400 V, 50 Hz, max. perm. fuse prot.: 10A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 070



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

The limit line for Ecodesign is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
070	3600	1,00	27000	7,50

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 070

### Delivery and transport within the site

The SILVER C RX 070 can be supplied in two units, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The unit is supplied on 100 mm high support feet made of steel.

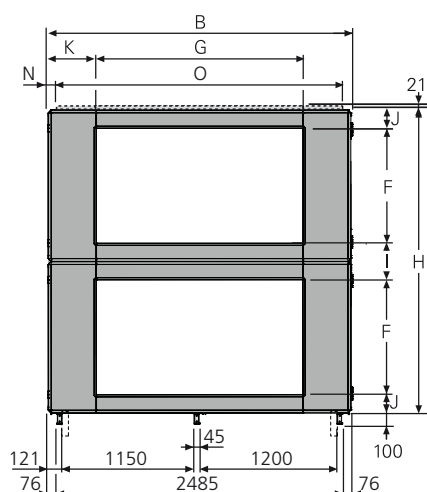
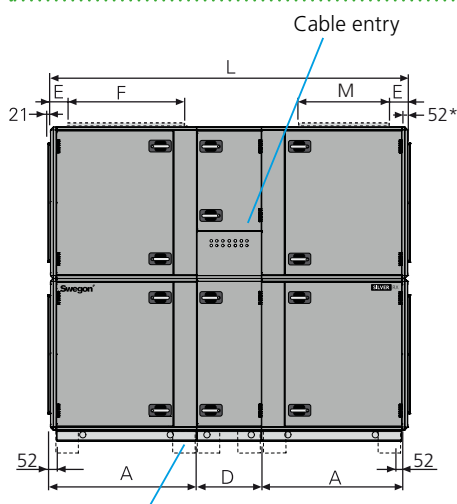
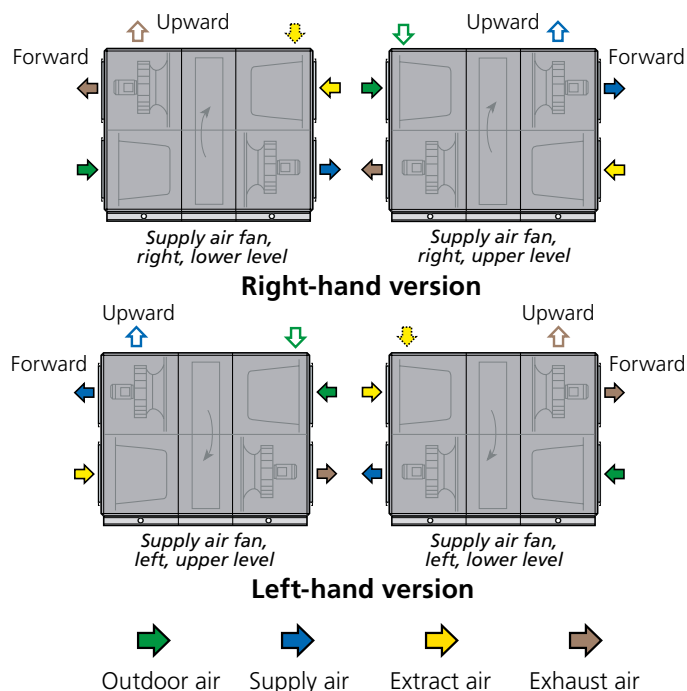
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size: 2,400 x 750 mm.

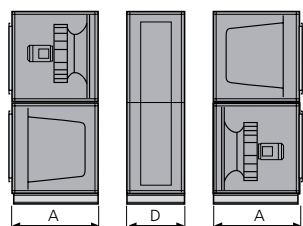


\* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Supplied on 100 mm high transport feet. Removed when the unit is at its final location.

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
070	1273,5	2637	565	162	1000	1800	2640	320	160	418,5	3112	750	118,5	2400	2219-2485

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 786-911 kg, D = 647-663 kg.

### Clear space for inspection

A clear space of 1,100 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 2 x 4.0 kW alt. 2 x 6.5 kW\*, motor control system: 3 x 400 V, 50 Hz, rated 7.3 A alt. 11.2 A

\* Two fans/motor control systems per airflow direction.

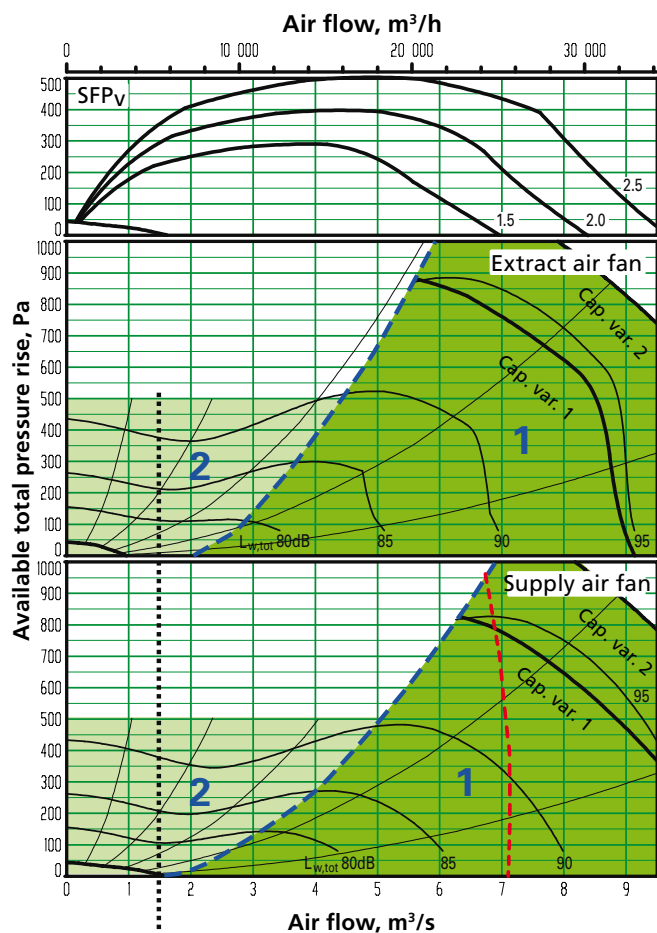
### Motor, heat exchanger

Standard: 150 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

Sorption: 380 W, 3 x 400 V, 50 Hz, max. perm. fuse prot.: 10A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 080



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

The limit line for Ecodesign is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
080	5400	1,50	34200	9,50

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.



# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 080

### Delivery and transport within the site

The SILVER C RX 080 can be supplied in two units, or in a number of different combinations of unit sections from the factory, see the section: Description of the Air Handling Unit/ Delivery Configuration RX/PX/CX, sizes 011-080.

The unit sections are jointed together/split by means of bolts.

The unit is supplied on 100 mm high support feet made of steel.

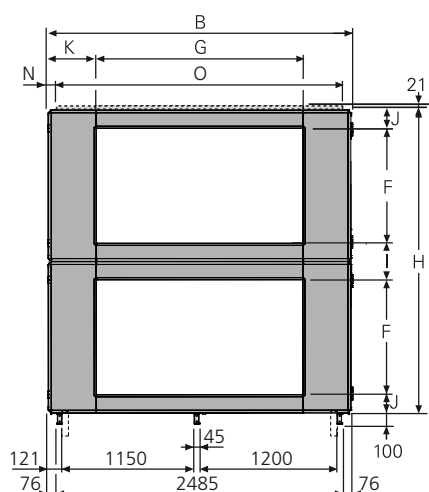
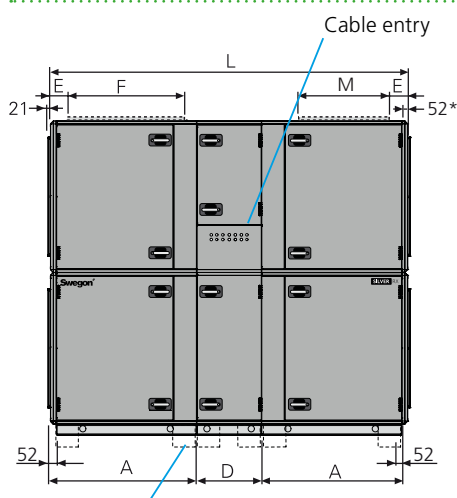
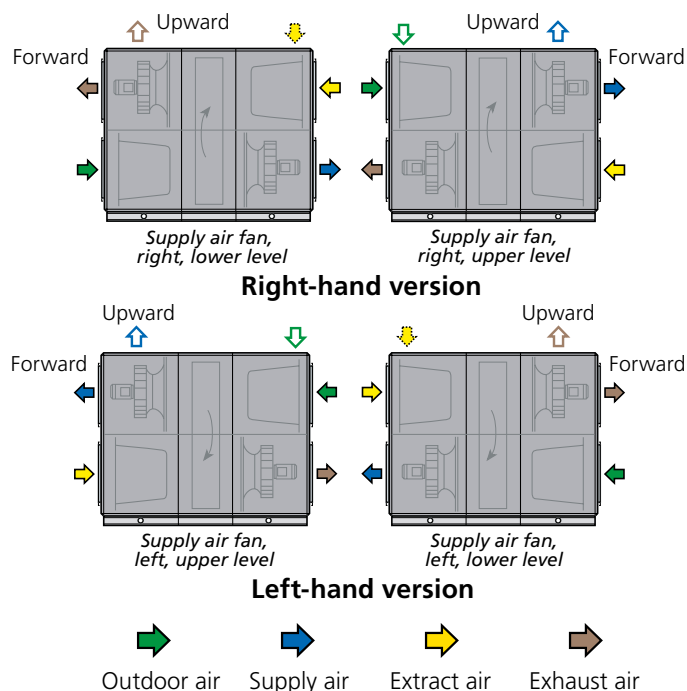
### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units).

**D:** Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size: 2,400 x 750 mm.

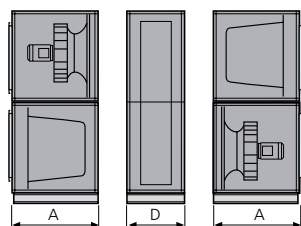


\* The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected. The AHU can also be supplied with full face end connection panel (accessory).

Supplied on 100 mm high transport feet. Removed when the unit is at its final location.

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
080	1273,5	2637	565	162	1000	1800	2640	320	160	418,5	3112	750	118,5	2400	2273-2575

### Division into sections for transport



The unit can be divided into three sections at the building site.

**Dimensions:** See A and D in the table above.

**Weight:** A = 813-956 kg, D = 647-663 kg.

### Clear space for inspection

A clear space of 1,100 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 2 x 6.5 kW alt. 2 x 10 kW\*

motor control system: 3 x 400 V, 50 Hz, rated 11.9 A alt. 16 A

\* Two fans/motor control systems per airflow direction.

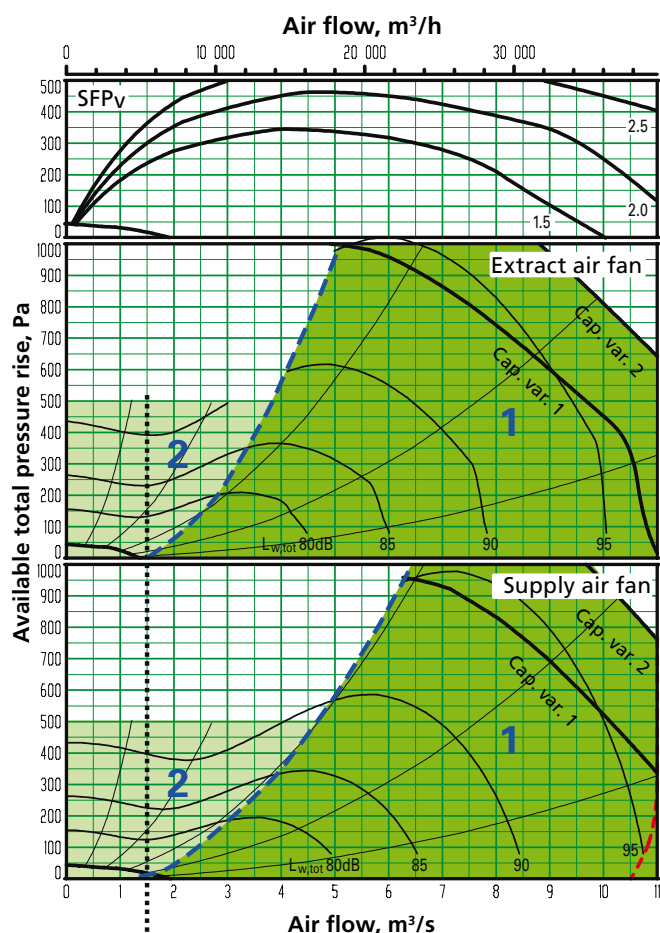
### Motor, heat exchanger

Standard: 150 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 6A

Sorption: 380 W, 3 x 400 V, 50 Hz, max. perm. fuse prot.: 10A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 100



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

The limit line for Ecodesign 2018 is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. The air handling unit complies with requirements to Ecodesign 2016. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
100	5400	1,50	39 600	11,0

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 100

### Delivery and transport within the site

The SILVER C RX 100 is supplied in five separate sections: Two fan sections, two filter sections and one heat exchanger section. The heat exchanger section can also be supplied split into two casing sections and rotor, in which case the rotor is supplied tilted in a transport cradle (transport height = 2,930 mm, minimum transport width = 2,350 mm). After the heat exchanger section has been assembled, if required, the five sections must be installed at the building site.

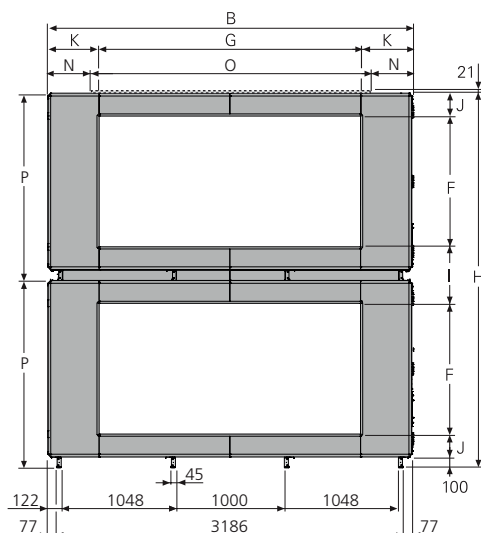
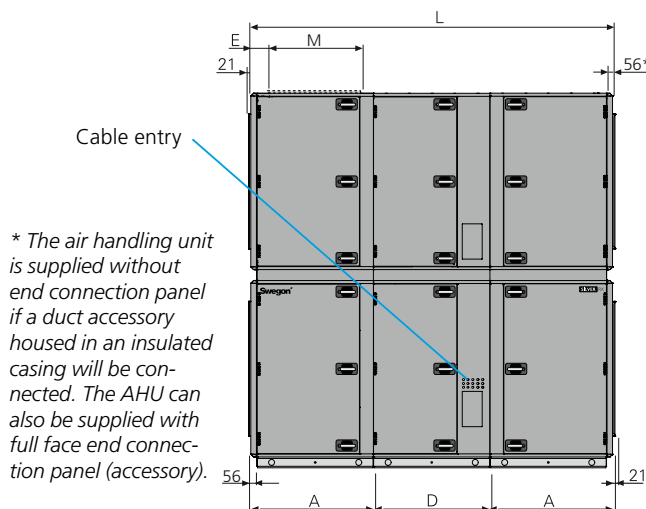
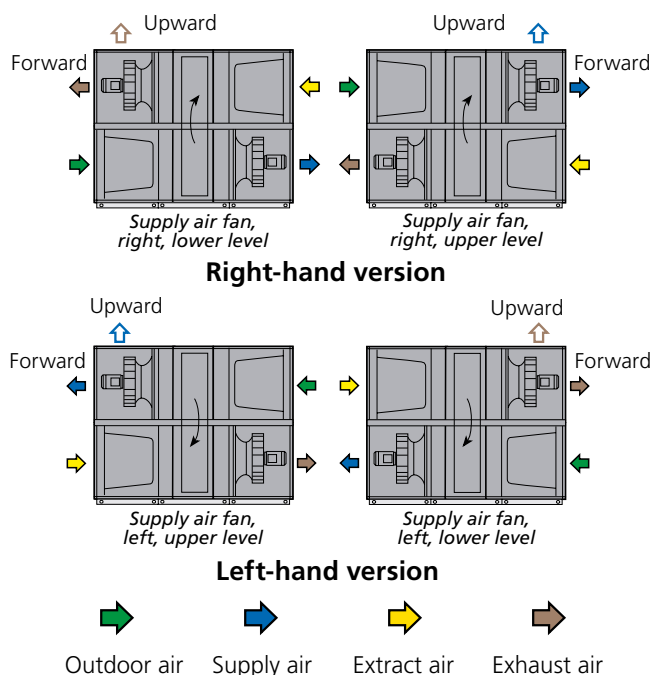
The five unit sections are jointed together/split by means of bolts.

### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units). N.B.! Duct connection size: 2,500 x 800 mm.



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

### Transport, dimensions and weights

#### Filter and fan sections

See dimensions A and P in the table above.

Weight: fan section = 644-720 kg, filter section = 402-540 kg.

#### Heat exchanger section, mounted

See dimensions D and H in the table above.

Weight: heat exchanger section = 1241 kg.

#### Heat exchanger section, supplied in two casing sections + rotor

See transport dimensions in the Delivery and at-site transport section above.

Weight: casing lower section = 513 kg, casing upper section = 300 kg, rotor = 428 kg, transport cradle = 190 kg

### Clear space for inspection

A clear space of 1,000 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 2 x 6.5 kW alt. 2 x 10 kW\*,

motor control system: 3 x 400 V, 50 Hz, rated 11.9 A alt. 16 A

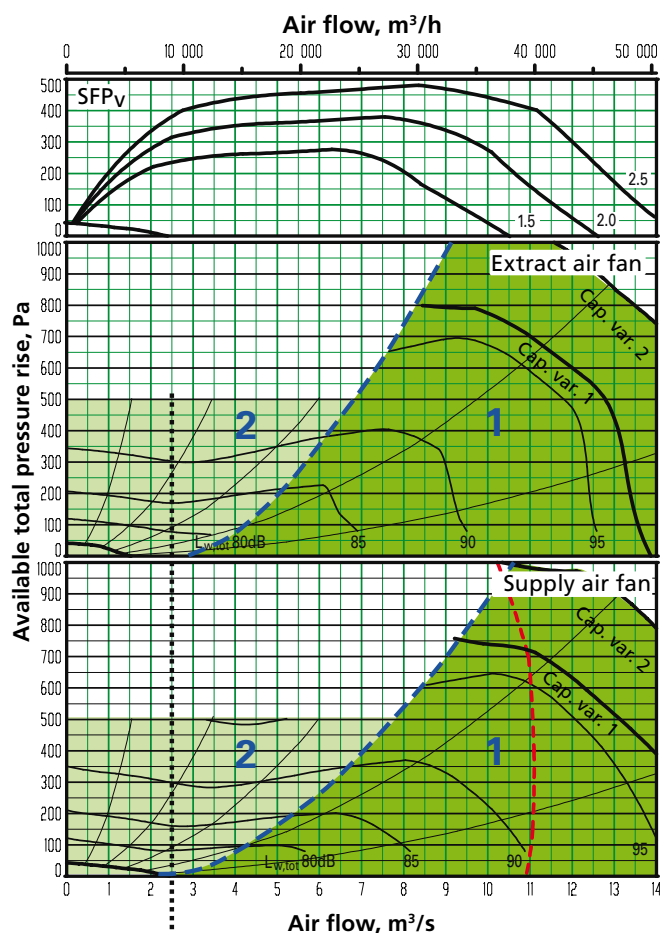
\* Two fans/motor control systems per airflow direction.

### Motor, heat exchanger

380 W, 3 x 400 V, 50 Hz, max. perm. fuse protection: 10A

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 120



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

The limit line for Ecodesign is calculated with capacity variant 2 and full face end connection panels (accessories). The mean value for supply air and extract air must be within the limit line. Other values in diagrams are calculated for air handling units with standard end connection panels.

- Recommended working range for sizing.
- Permissible operating range when the fan is controlled to operate at a lower speed. The lower limit for the air flow when the unit is operating in the air flow regulation mode; see the black broken line in the diagram. If pressure regulation is used, the air flow can be regulated to zero, however this presupposes a certain static pressure drop in the ducting (approx. 50 Pa).
- Limit line, Ecodesign, 2018

### Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
120	9000	2,50	50 400	14.0

### Correction factors, $K_{OK}$ , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct**	1	-9	-10	-10	-21	-29	-32	-36	-33
	2	-4	-3	-10	-22	-31	-34	-41	-38
To air handling unit surroundings**	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

\* The integral attenuation of filters and rotary heat exchanger has been taken into account.

\*\* Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

# Sizing, installation, dimensions and weights

## SILVER C RX, rotary heat exchanger, size 120

### Delivery and transport within the site

The SILVER C RX 120 is supplied in five separate sections: Two fan sections, two filter sections and one heat exchanger section. The heat exchanger section can also be supplied split into two casing sections and rotor, in which case the rotor is supplied tilted in a transport cradle (transport height = 2,930 mm, minimum transport width = 2,350 mm). After the heat exchanger section has been assembled, if required, the five sections must be installed at the building site.

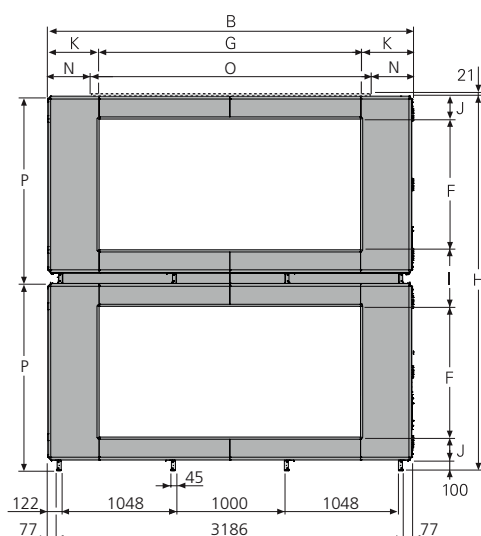
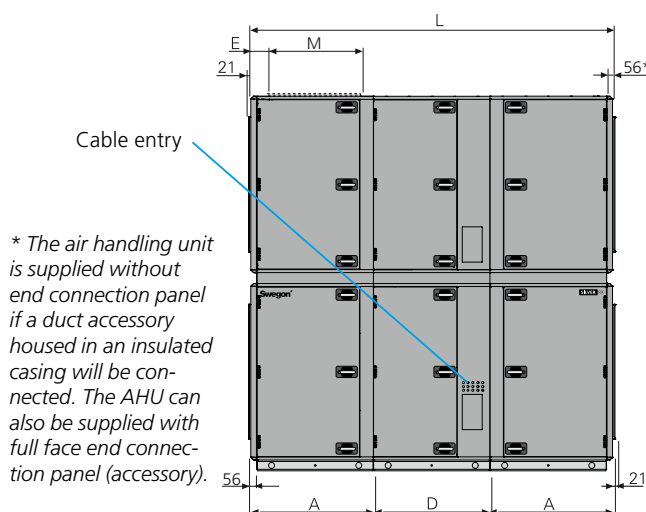
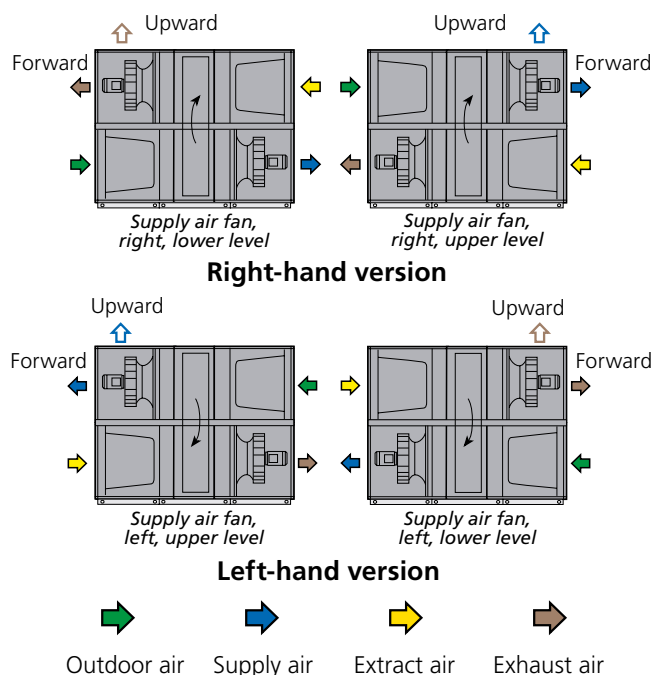
The five unit sections are jointed together/split by means of bolts.

### Duct connection options

**A:** Specify right-hand or left-hand version when ordering.

**B:** The arrangement of the functional sections can be vertically reversed. To be specified when placing an order, see the illustration to the right.

**C:** Specify upper fan outlet for upward air discharge when placing orders (not for outdoor units). N.B.! Duct connection size: 2,500 x 800 mm.



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

### Transport, dimensions and weights

#### Filter and fan sections

See dimensions A and P in the table above.

Weight: fan section = 744-829 kg, filter section = 402-540 kg.

#### Heat exchanger section, mounted

See dimensions D and H in the table above.

Weight: heat exchanger section = 1241 kg.

#### Heat exchanger section, supplied in two casing sections + rotor

See transport dimensions in the Delivery and at-site transport section above.

Weight: casing lower section = 513 kg, casing upper section = 300 kg, rotor = 428 kg, transport cradle = 190 kg

### Clear space for inspection

A clear space of 1,000 mm should be provided in front of the unit.

### Rated data per fan

Motor shaft power: 3 x 6.5 kW alt. 3 x 10 kW\*,

motor control system: 3 x 400 V, 50 Hz, rated 11.9 A alt. 16 A

\* Three fans/motor control systems per airflow direction.

### Motor, heat exchanger

380 W, 3 x 400 V, 50 Hz, max. perm. fuse protection: 10A