

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.

Contents

Prerequisites for Sizing.....	21
SILVER C RX, One-piece air handling units with rotary heat exchanger.....	22
SILVER C PX, One-piece air handling units with plate heat exchanger.....	80
SILVER C CX, One-piece air handling units with coil heat exchangers.....	127
SILVER C SD, Supply air and extract air handling units.....	140

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

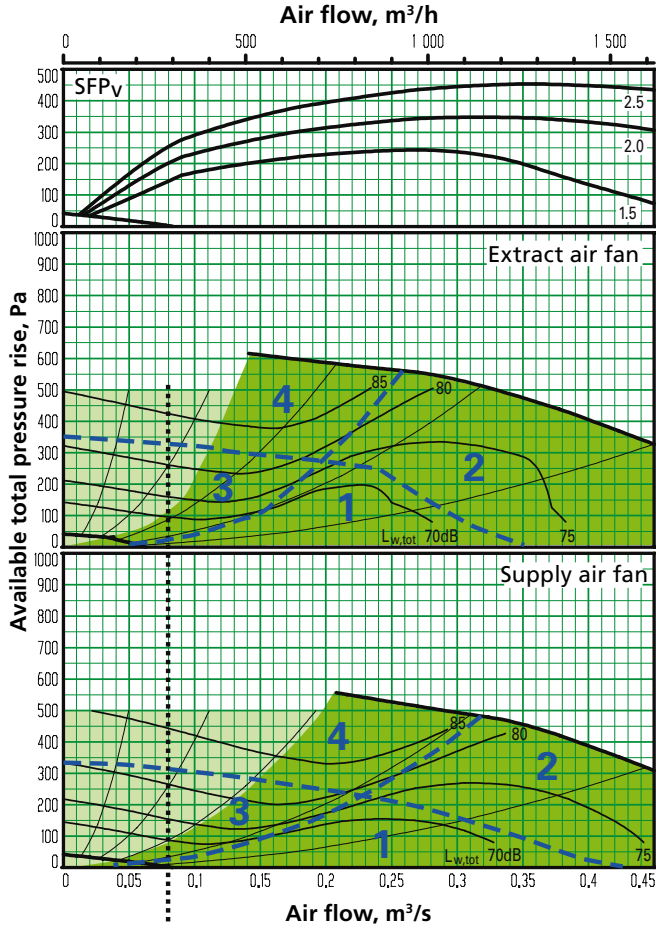
The sound emitted by Swegon products is measured according to the method defined in ISO 5136, the most widely used method in Europe. Acoustic measurements are sometimes taken using other methods.

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 STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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.

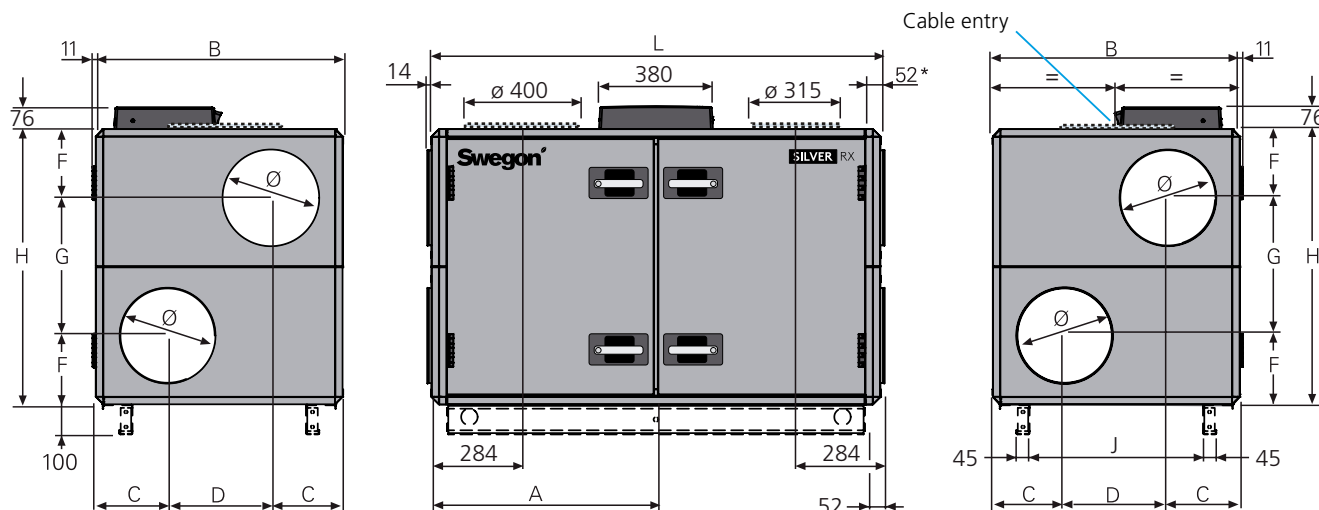
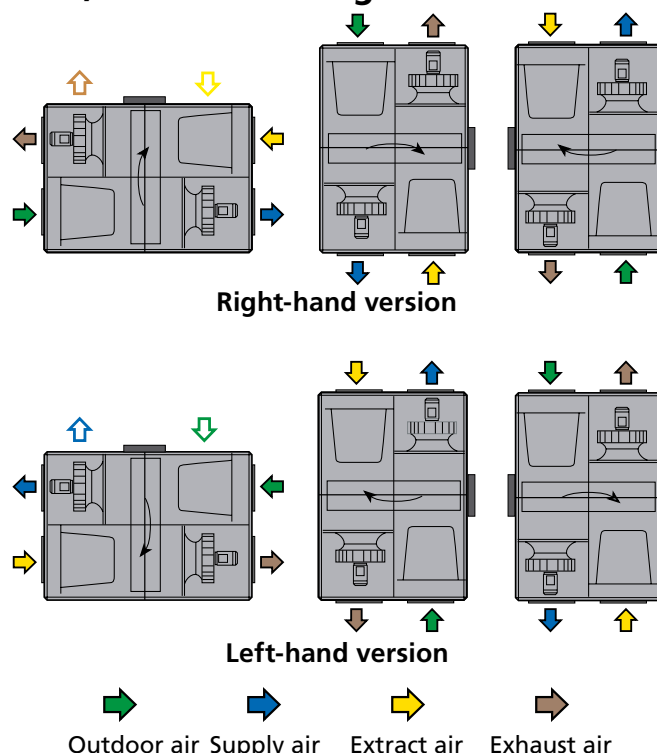
Duct connection options

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	234-278

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

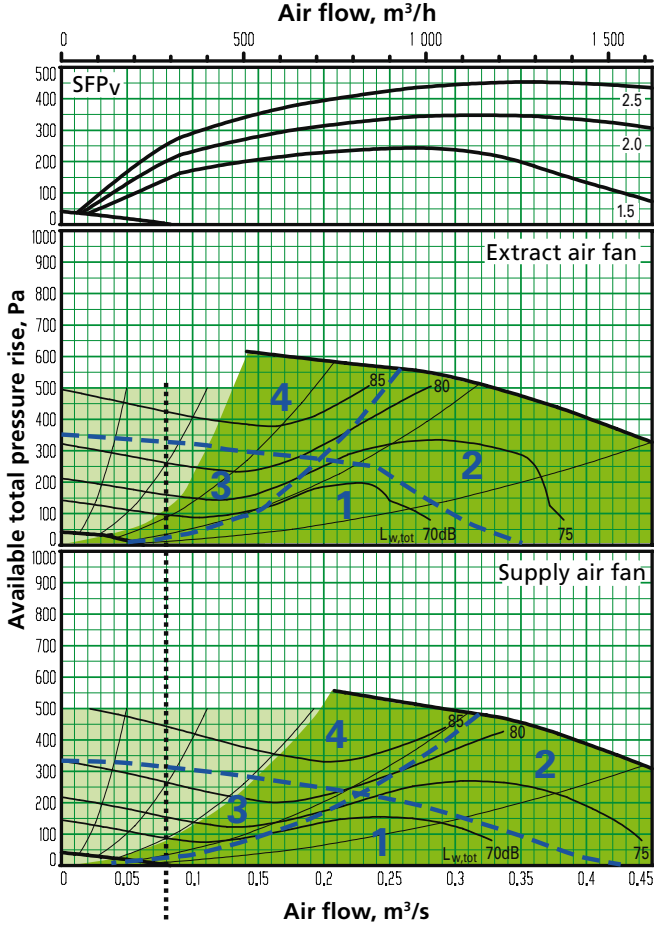
*The motor control system limits the power of the take-off to the value specified.

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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.

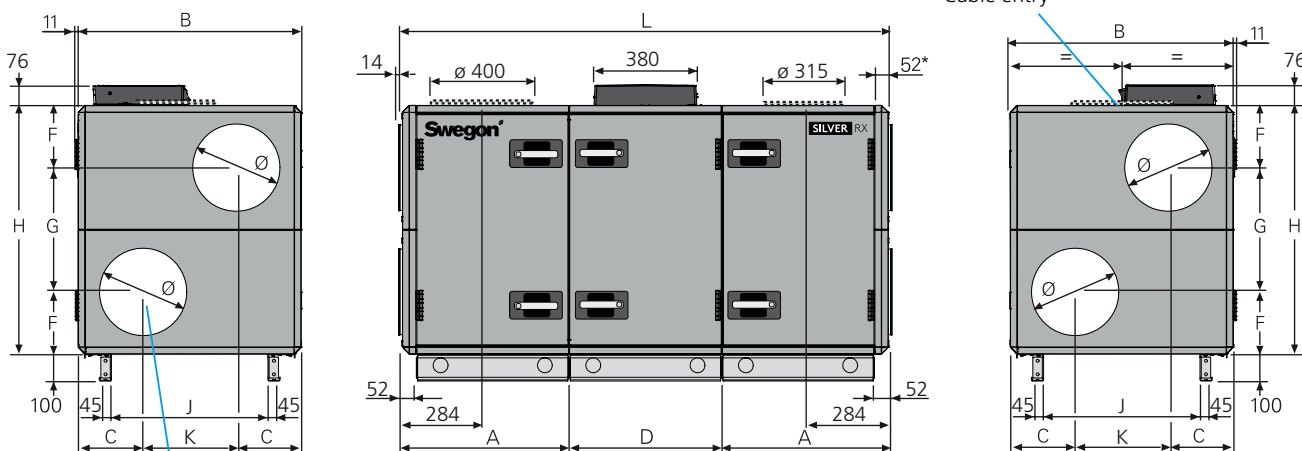
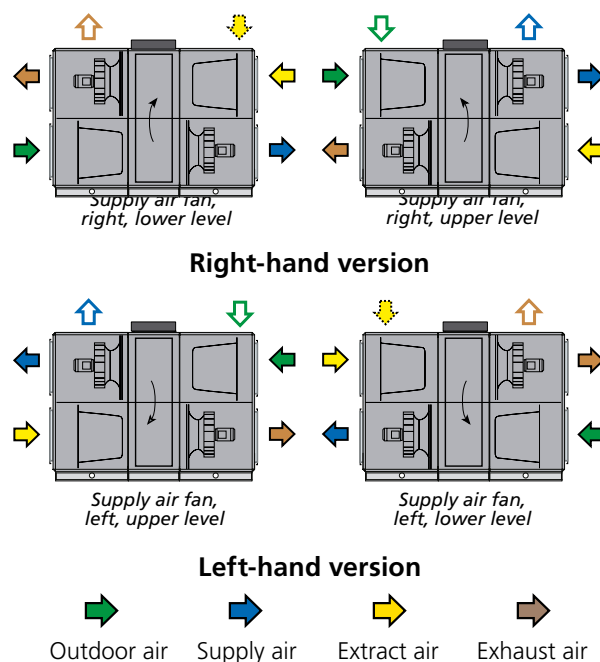
Duct connection options

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).

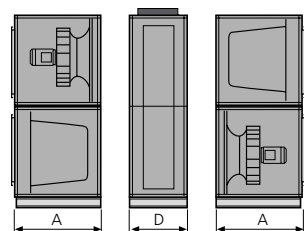


The illustration shows the connections for supply air fan, right-hand/upper level and left-hand/lower level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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).

Storlek	A	B	C	D	F	G	H	J	K	L	\varnothing	Vikt, kg
004	617	825	240	565	230	460	920	579	345	1799	315	278-335

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 = 102-111 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

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Clear space for inspection

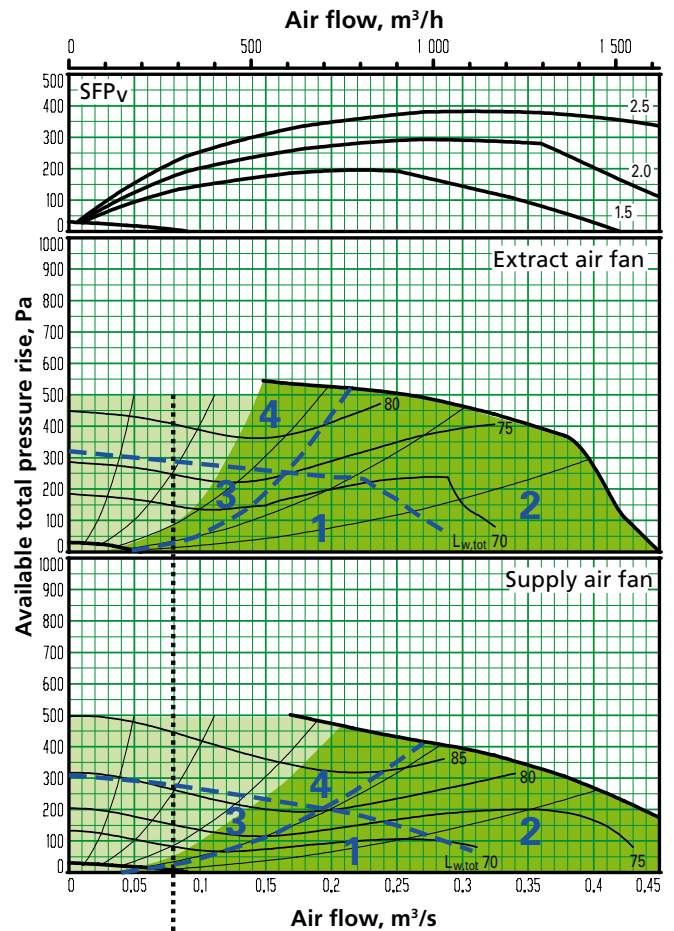
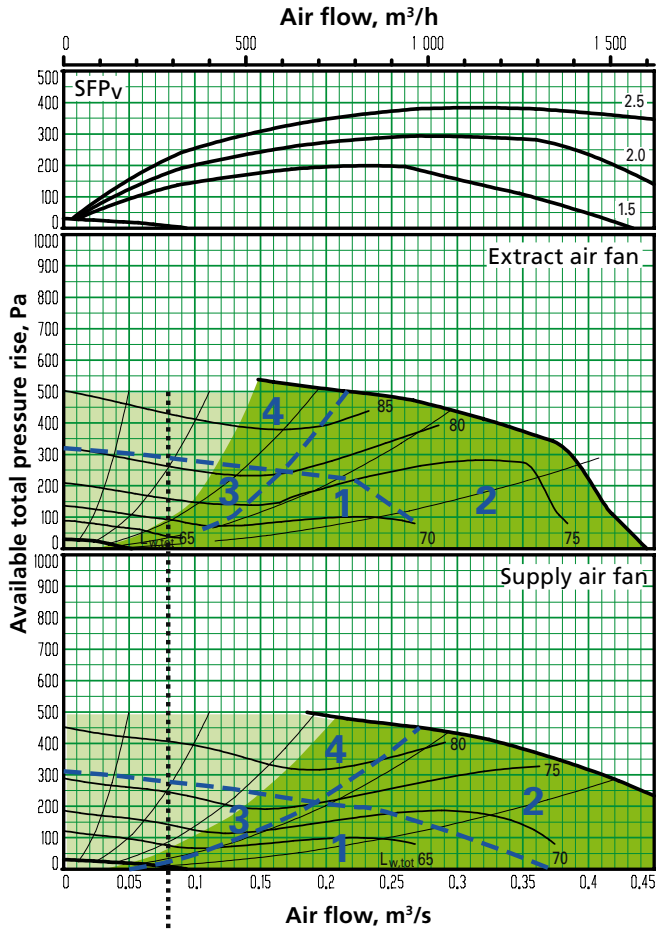
A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 004

Left-hand version, STE

Right-hand version, STE



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. air flows

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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	0	-5	-8	-5	-10	-11	-17	-23
	2	-1	-6	-8	-6	-9	-10	-17	-22
	3	0	-5	-4	-8	-14	-16	-23	-31
	4	-1	-6	-4	-7	-13	-15	-22	-30
To the inlet duct*	1	-3	-4	-10	-14	-30	-37	-43	-55
	2	-4	-6	-9	-16	-29	-37	-43	-53
	3	-2	-3	-6	-19	-34	-42	-49	-55
	4	-3	-4	-6	-17	-33	-42	-48	-53
To unit's surroundings**	1	-11	-19	-31	-26	-43	-44	-51	-54
	2	-12	-20	-31	-27	-42	-43	-51	-53
	3	-11	-19	-27	-29	-47	-49	-57	-62
	4	-12	-20	-27	-28	-46	-48	-56	-61

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 the outlet duct	1	-1	-6	-5	-8	-11	-11	-15	-20
	2	-2	-7	-5	-8	-10	-10	-15	-19
	3	-4	-7	-2	-11	-17	-18	-24	-30
	4	-2	-8	-2	-10	-15	-16	-22	-27
To the inlet duct*	1	-2	-4	-9	-20	-32	-38	-41	-55
	2	-5	-6	-10	-22	-32	-37	-41	-53
	3	-7	-6	-8	-27	-38	-45	-50	-59
	4	-8	-7	-8	-24	-37	-43	-48	-56
To unit's surroundings**	1	-12	-20	-28	-29	-44	-44	-49	-51
	2	-13	-21	-28	-29	-43	-43	-49	-50
	3	-15	-21	-25	-32	-50	-51	-58	-61
	4	-13	-22	-25	-31	-48	-49	-56	-58

* 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 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit.

The unit can also be delivered as L-concept with top fed duct connections in combination with side fed duct connections, see the section Description Air handling unit.

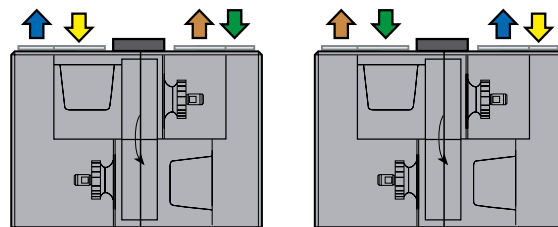
The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment.

Installation/duct connection options

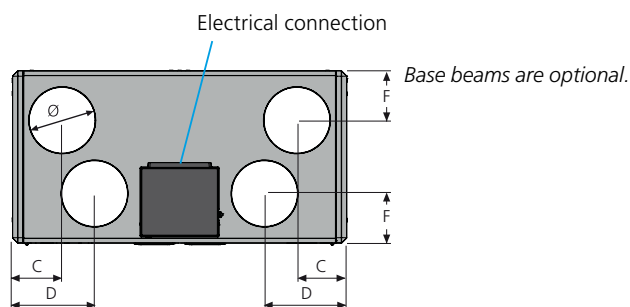
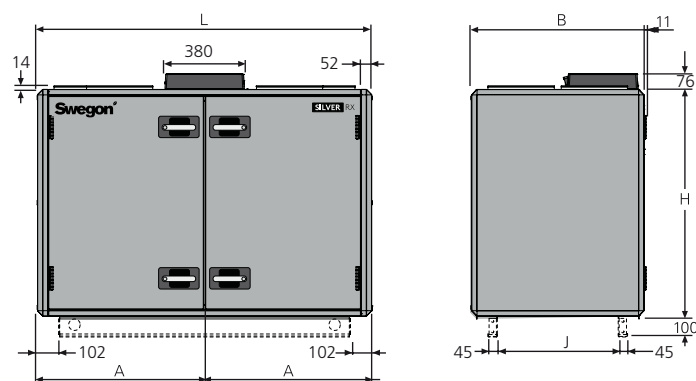
A: All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

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



Left-hand version

Right-hand version



Size	A	B	C	D	F	H	J	L	Ø	Weight, kg
004	800	825	238	393	237	1085	579	1600	315	295-302

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

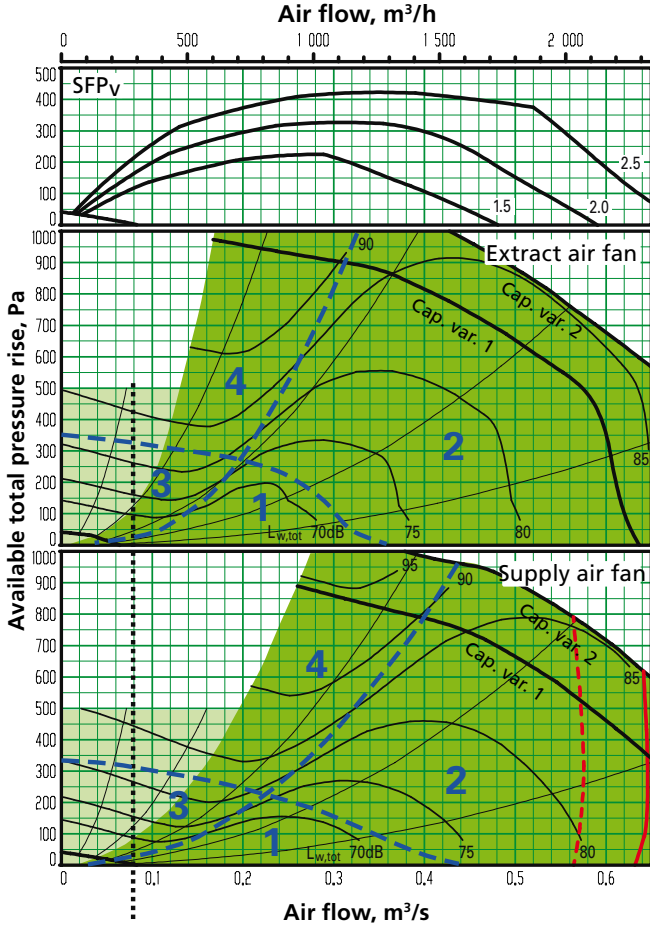
Motor shaft power: 0.8 kW (0.41 kW)*,
 motor control system: 1 x 230 V, 50 Hz, rated 2.3 A
 *The motor control system limits the power of the take-off to the value specified.

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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 ³ /h	m ³ /s	m ³ /h	m ³ /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.

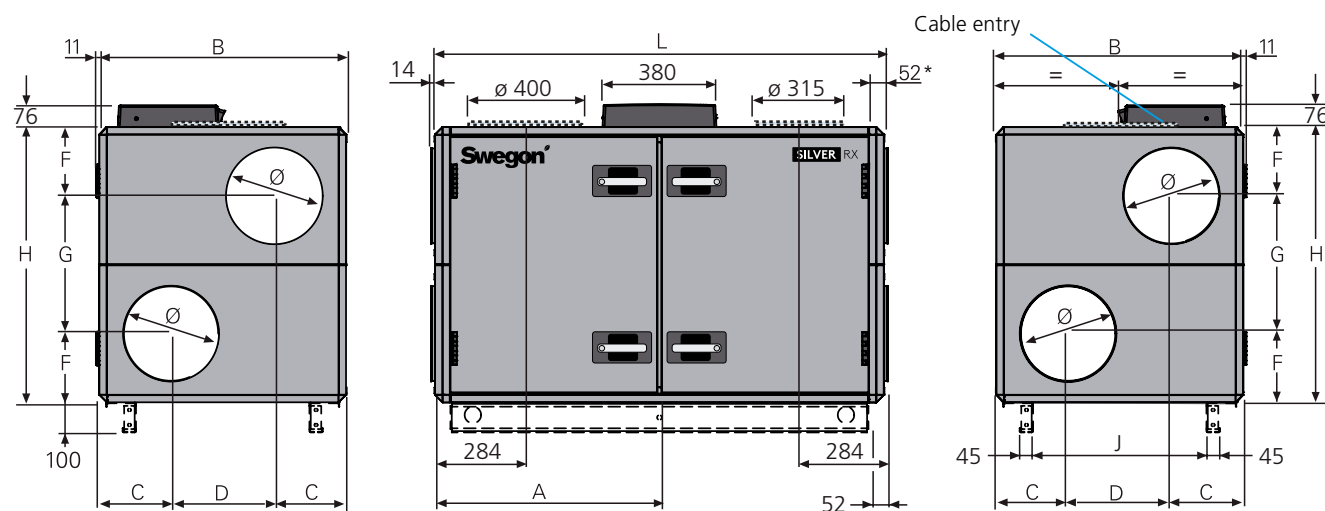
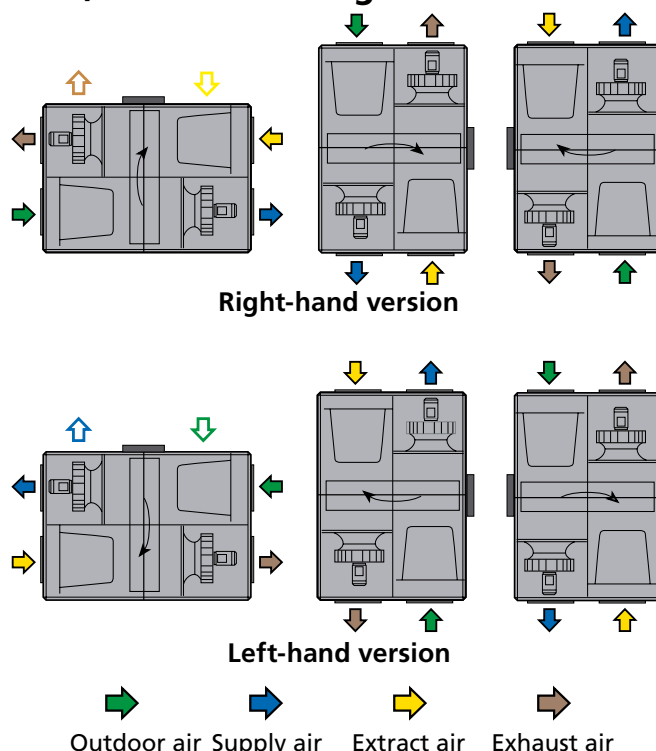
Duct connection options

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	Ø	Weight, kg
005	743	825	240	345	230	460	920	579	1499	315	234-278

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

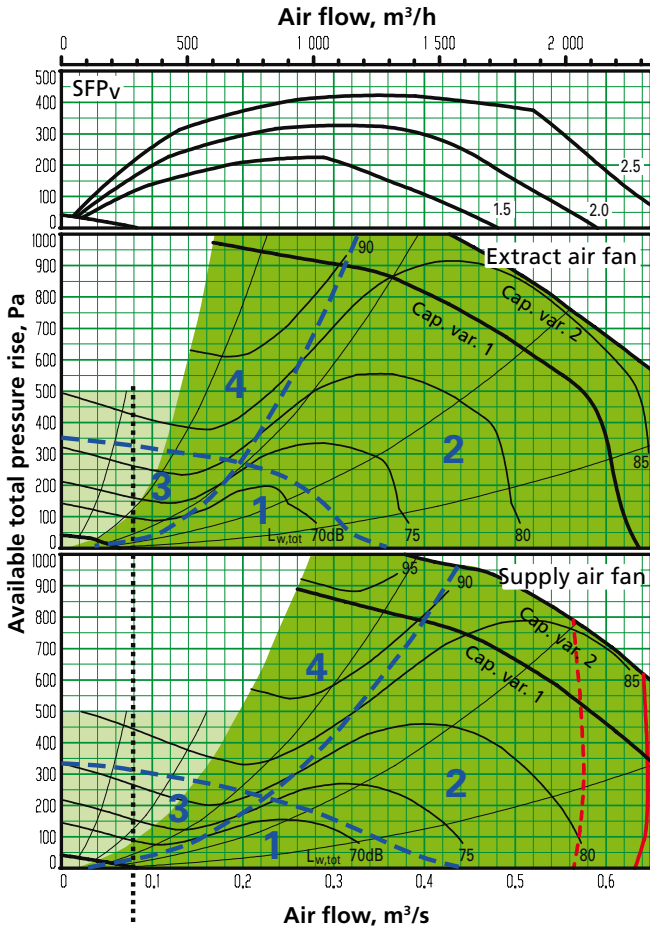
Motor shaft power: 0.8 kW alt. 1.15 kW, motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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 ³ /h	m ³ /s	m ³ /h	m ³ /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.

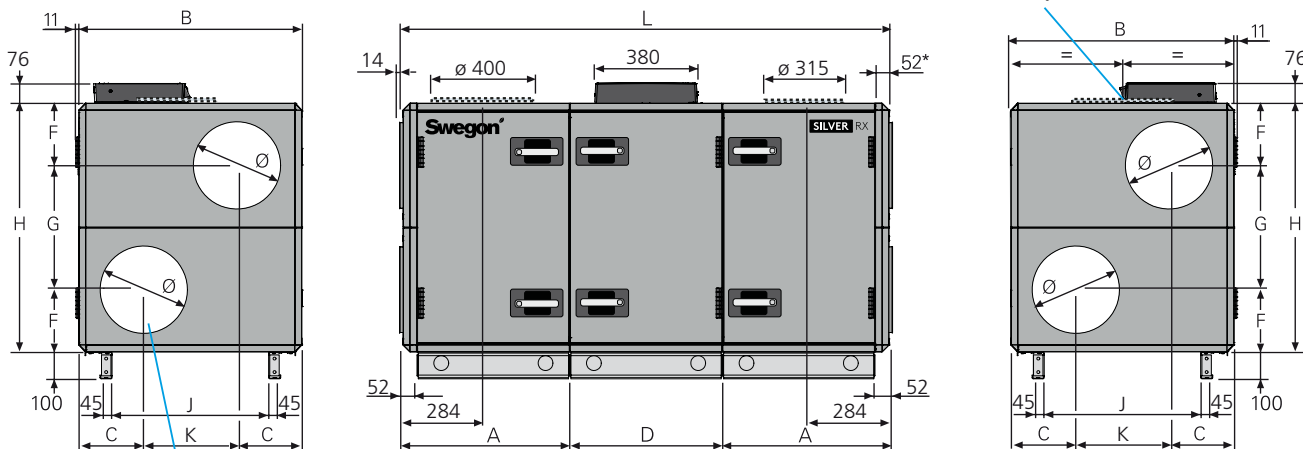
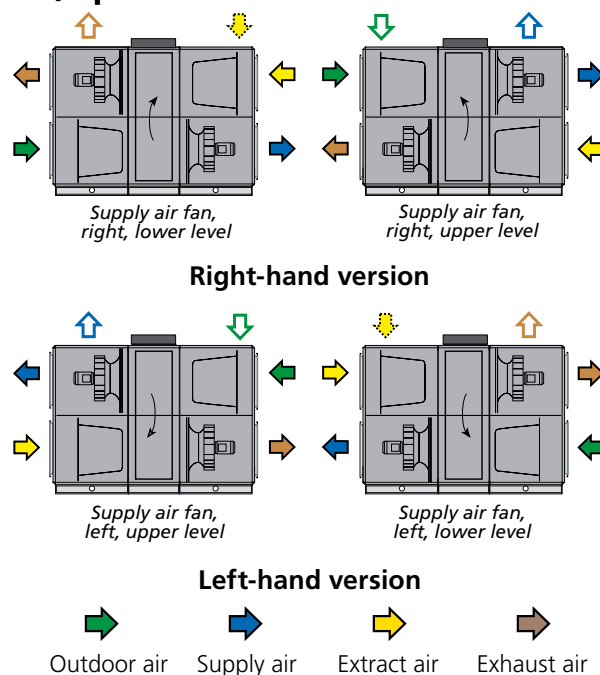
Duct connection options

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).

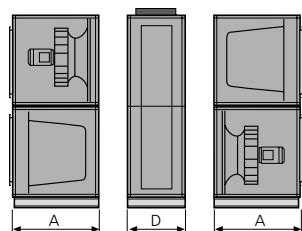


The illustration shows the connections for supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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	\varnothing	Weight, kg
005	617	825	240	565	230	460	920	579	345	1799	315	278-335

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 = 102-111 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

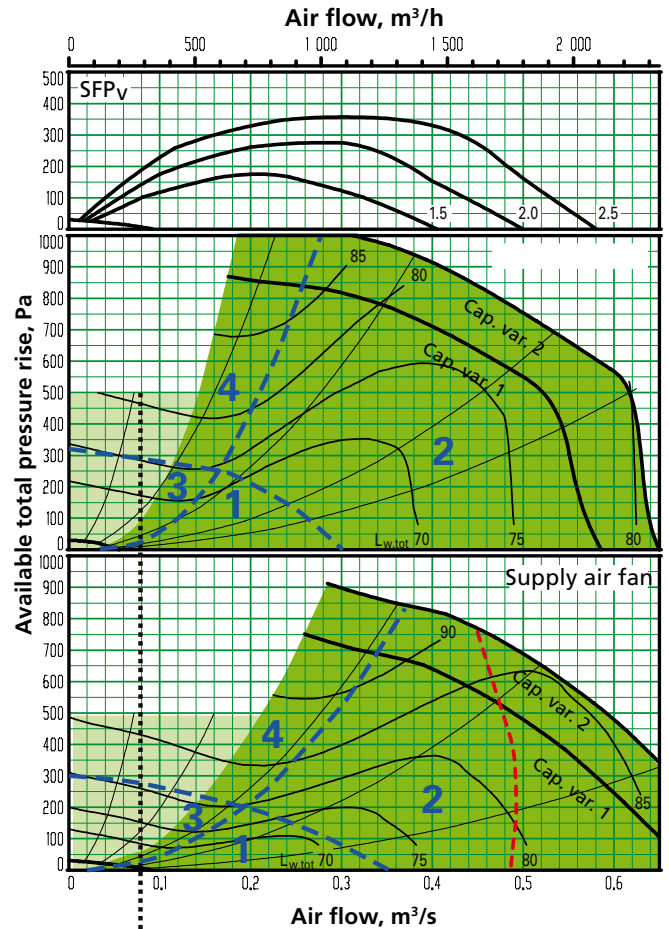
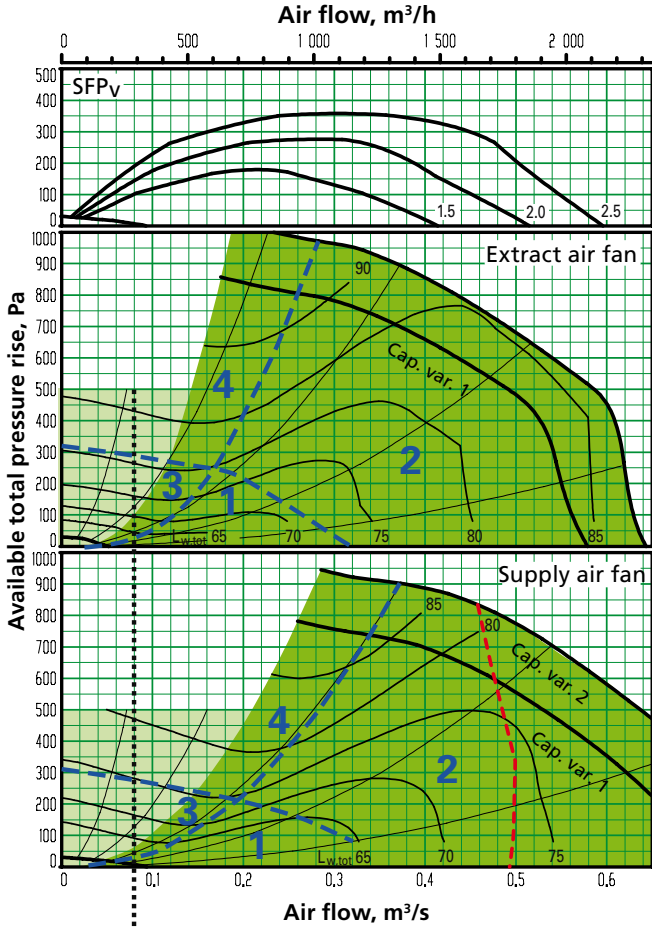
55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 005

Left-hand version, STE

Right-hand version, STE



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, 2018

Min. and max. air flows

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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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
To the outlet duct	1	0	-5	-8	-5	-10	-11	-17	-23
	2	-1	-6	-8	-6	-9	-10	-17	-22
	3	0	-5	-4	-8	-14	-16	-23	-31
	4	-1	-6	-4	-7	-13	-15	-22	-30
To the inlet duct*	1	-3	-4	-10	-14	-30	-37	-43	-55
	2	-4	-6	-9	-16	-29	-37	-43	-53
	3	-2	-3	-6	-19	-34	-42	-49	-55
	4	-3	-4	-6	-17	-33	-42	-48	-53
To unit's surroundings**	1	-11	-19	-31	-26	-43	-44	-51	-54
	2	-12	-20	-31	-27	-42	-43	-51	-53
	3	-11	-19	-27	-29	-47	-49	-57	-62
	4	-12	-20	-27	-28	-46	-48	-56	-61

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 the outlet duct	1	-1	-6	-5	-8	-11	-11	-15	-20
	2	-2	-7	-5	-8	-10	-10	-15	-19
	3	-4	-7	-2	-11	-17	-18	-24	-30
	4	-2	-8	-2	-10	-15	-16	-22	-27
To the inlet duct*	1	-2	-4	-9	-20	-32	-38	-41	-55
	2	-5	-6	-10	-22	-32	-37	-41	-53
	3	-7	-6	-8	-27	-38	-45	-50	-59
	4	-8	-7	-8	-24	-37	-43	-48	-56
To unit's surroundings**	1	-12	-20	-28	-29	-44	-44	-49	-51
	2	-13	-21	-28	-29	-43	-43	-49	-50
	3	-15	-21	-25	-32	-50	-51	-58	-61
	4	-13	-22	-25	-31	-48	-49	-56	-58

* 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 unit can also be delivered as L-concept with top fed duct connections in combination with side fed duct connections, see the section Description Air handling unit.

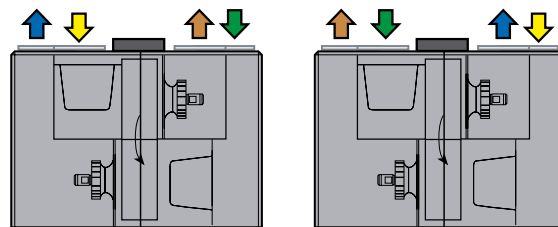
The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment.

Installation/duct connection options

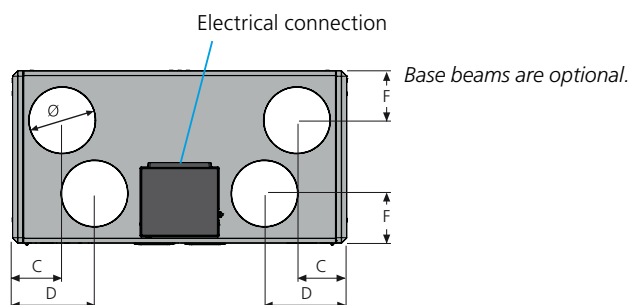
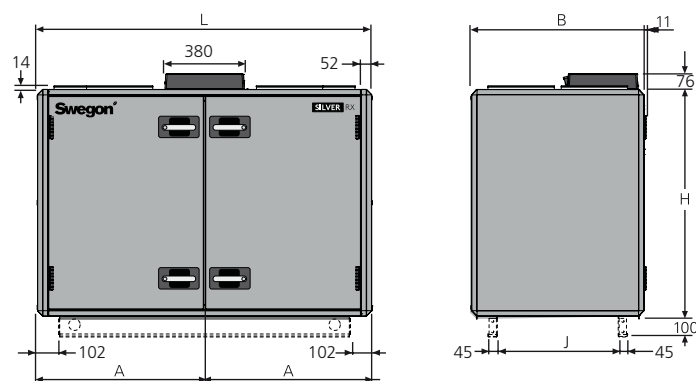
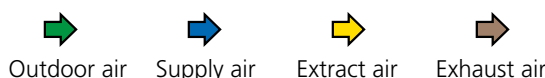
A: All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

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



Left-hand version

Right-hand version



Size	A	B	C	D	F	H	J	L	Ø	Weight, kg
005	800	825	238	393	237	1085	579	1600	315	295-310

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

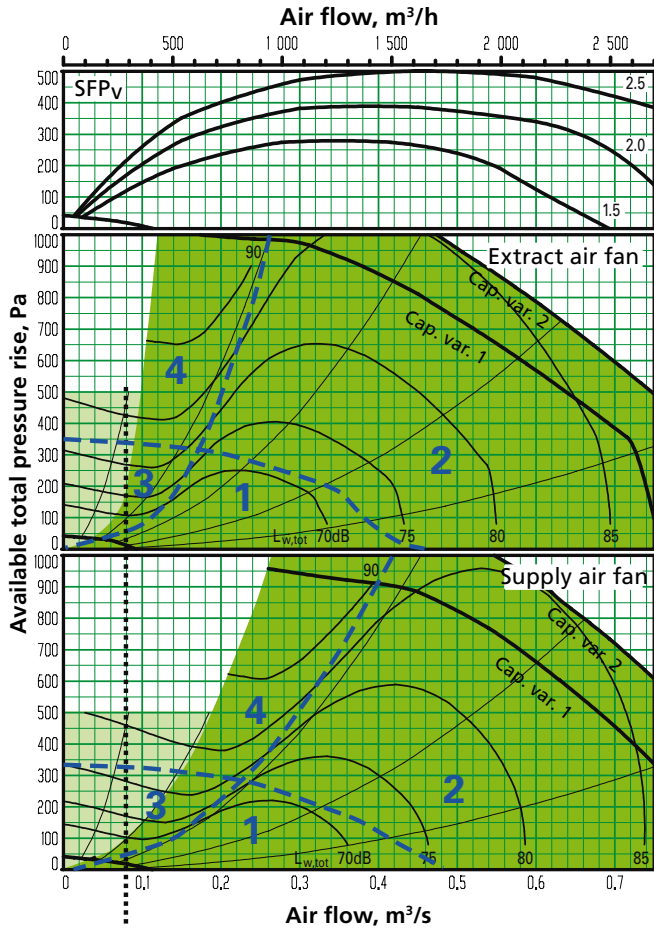
Motor shaft power: 0.8 kW alt. 1.15 kW,
motor control system:
1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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.

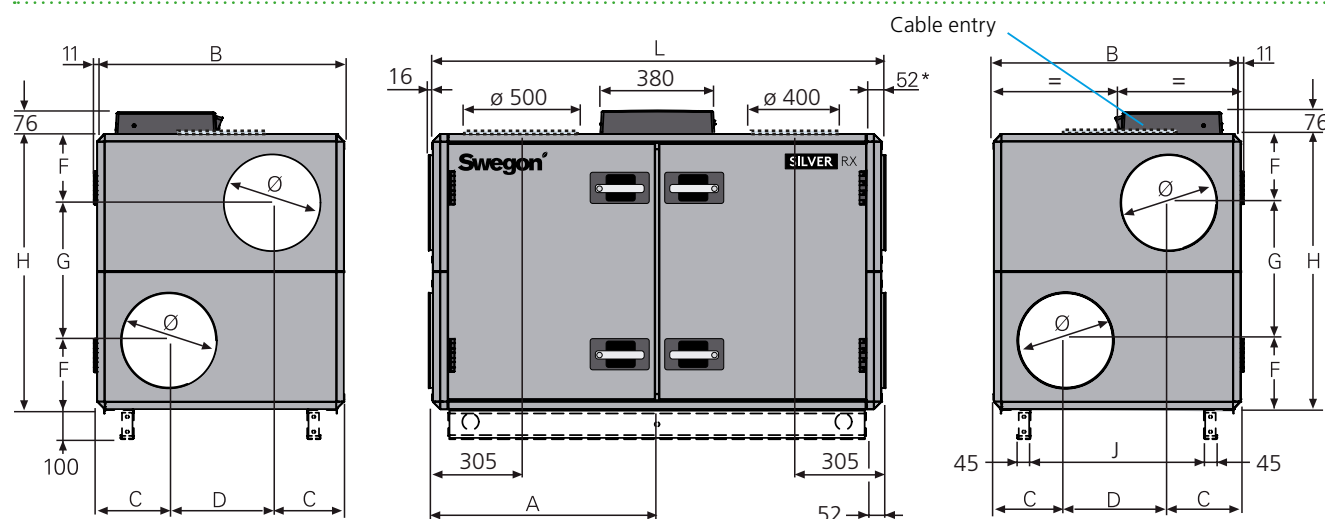
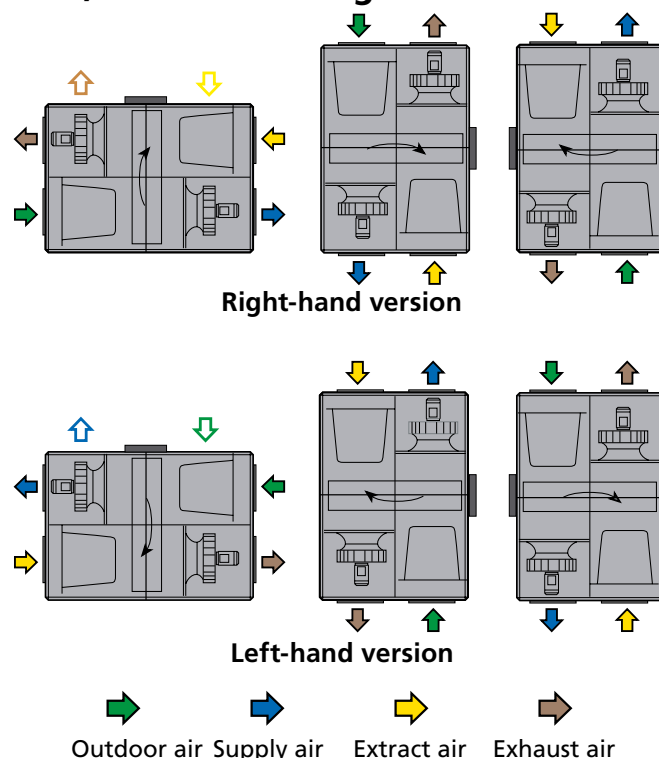
Duct connection options

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	Ø	Weight, kg
007	805	995	277,5	440	271	543	1085	749	1619	400	281-355

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

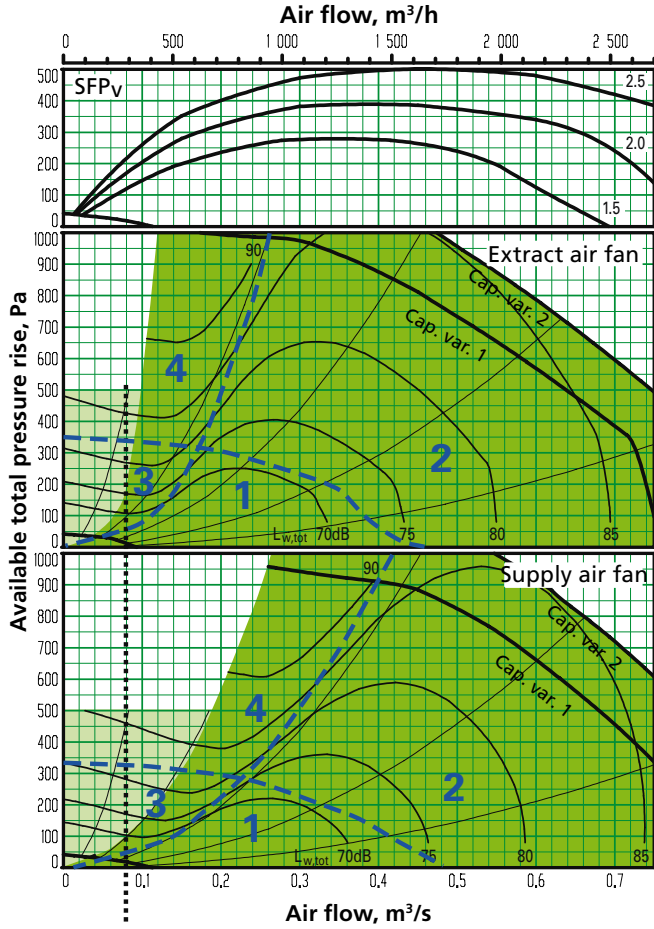
Motor shaft power: 0.8 kW alt. 1.15 kW, motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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.

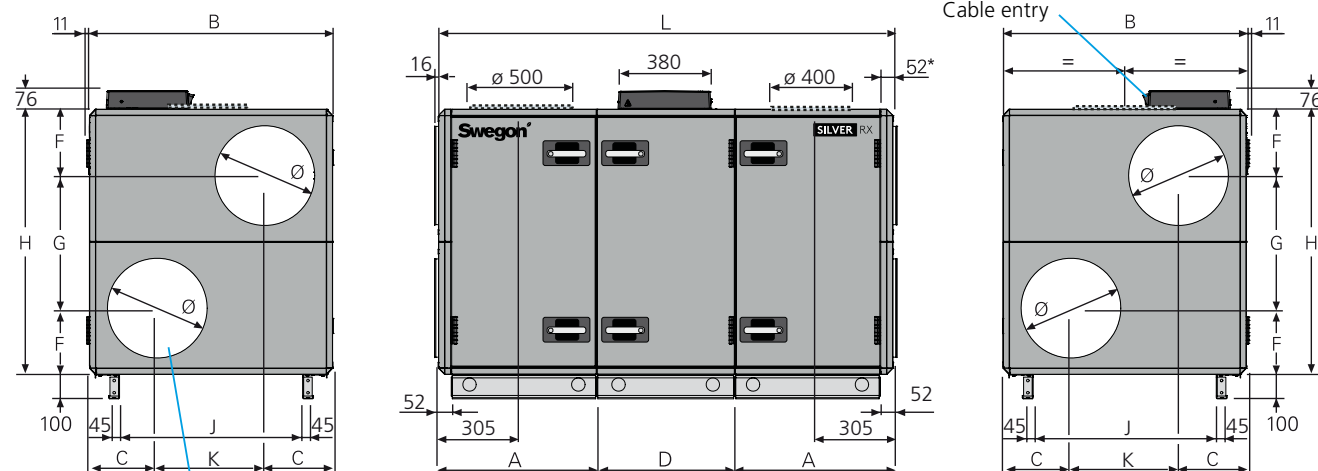
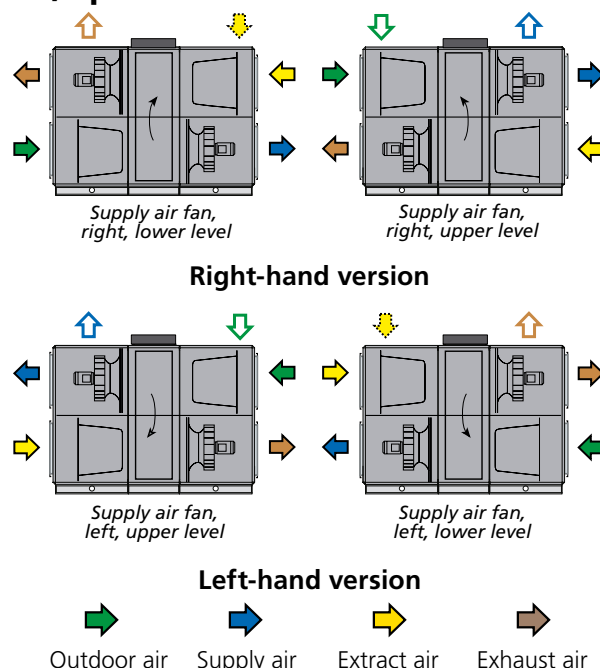
Duct connection options

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).

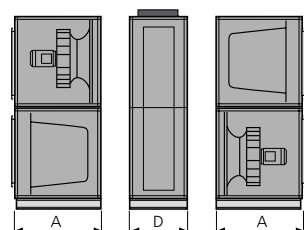


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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
007	647.5	995	277.5	565	271	543	1085	749	440	1860	400	327-412

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 = 121-136 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

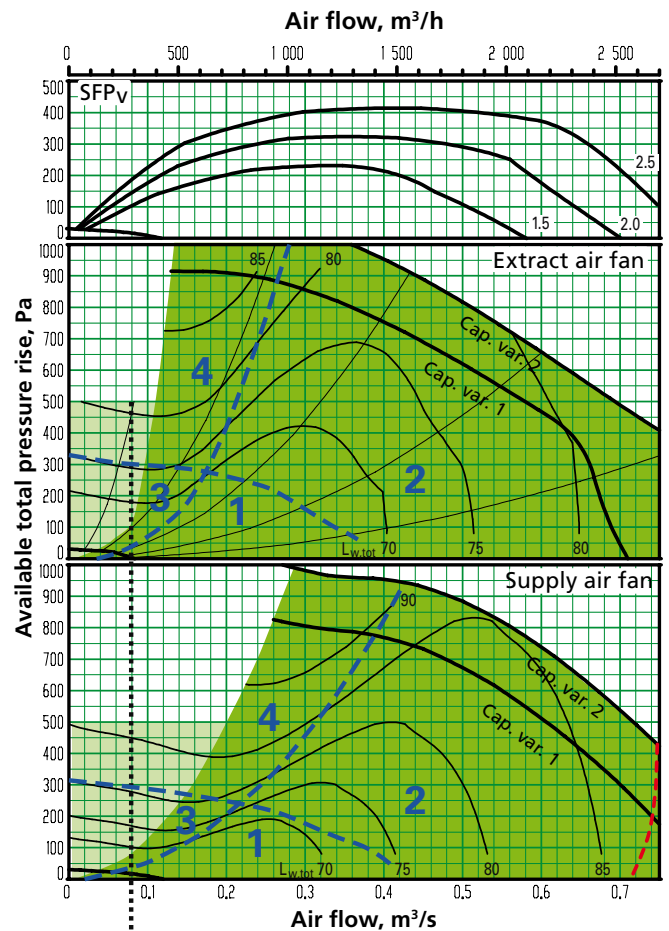
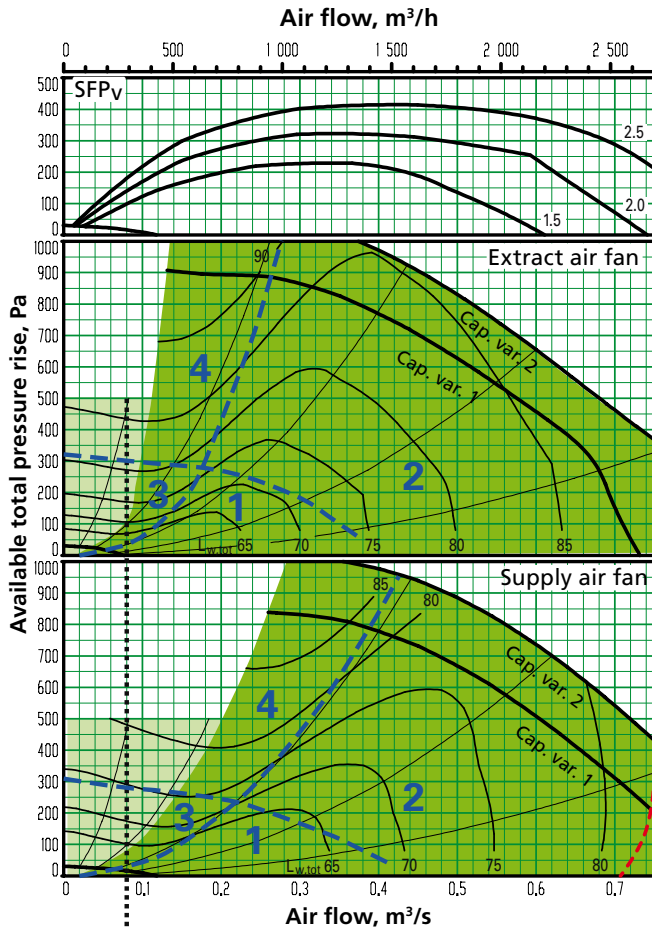
55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 007

Left-hand version, STE

Right-hand version, STE



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, 2018

Min. and max. air flows

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 (for airflow regulation)		Max. airflow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
007	288	0,08	2700	0.75

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 the outlet duct	1	0	-8	-10	-3	-9	-9	-16	-22
	2	-1	-8	-10	-5	-8	-7	-14	-19
	3	1	-3	-5	-10	-15	-15	-23	-30
	4	-1	-6	-4	-7	-13	-13	-20	-27
To the inlet duct*	1	-3	-6	-17	-16	-30	-35	-40	-50
	2	-4	-6	-15	-16	-29	-32	-38	-47
	3	0	-1	-11	-21	-36	-39	-45	-51
	4	-2	-2	-8	-17	-33	-36	-41	-46
To unit's surroundings**	1	-11	-22	-33	-24	-42	-42	-50	-53
	2	-12	-22	-33	-26	-41	-40	-48	-50
	3	-10	-17	-28	-31	-48	-48	-57	-61
	4	-12	-20	-27	-28	-46	-46	-54	-58

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 the outlet duct	1	-3	-7	-9	-5	-11	-10	-15	-19
	2	-2	-7	-9	-5	-10	-8	-13	-17
	3	-1	-3	-4	-14	-18	-17	-25	-29
	4	-1	-5	-3	-11	-15	-15	-22	-28
To the inlet duct*	1	-6	-8	-18	-21	-32	-37	-40	-53
	2	-7	-9	-16	-19	-33	-36	-39	-51
	3	-4	-4	-13	-28	-40	-45	-50	-60
	4	-6	-6	-10	-24	-37	-43	-47	-54
To unit's surroundings**	1	-14	-21	-32	-26	-44	-43	-49	-50
	2	-13	-21	-32	-26	-43	-41	-47	-48
	3	-12	-17	-27	-35	-51	-50	-59	-60
	4	-12	-19	-26	-32	-48	-48	-56	-59

* 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 unit can also be delivered as L-concept with top fed duct connections in combination with side fed duct connections, see the section Description Air handling unit.

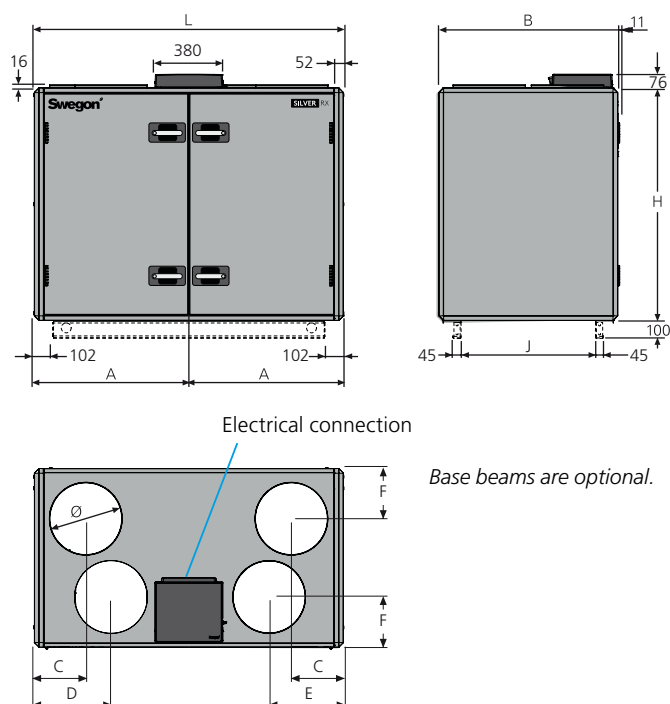
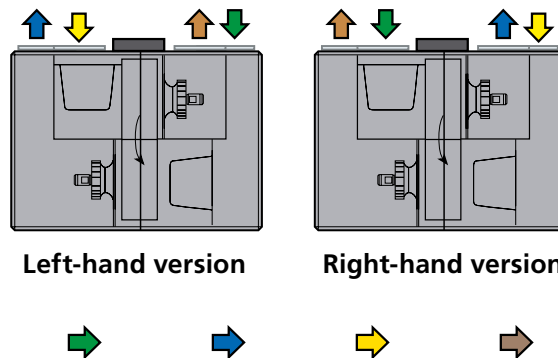
The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment.

Installation/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	E	F	H	J	L	Ø	Weight, kg
007	860	995	286	426	406	280	1295	749	1720	400	351-376

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

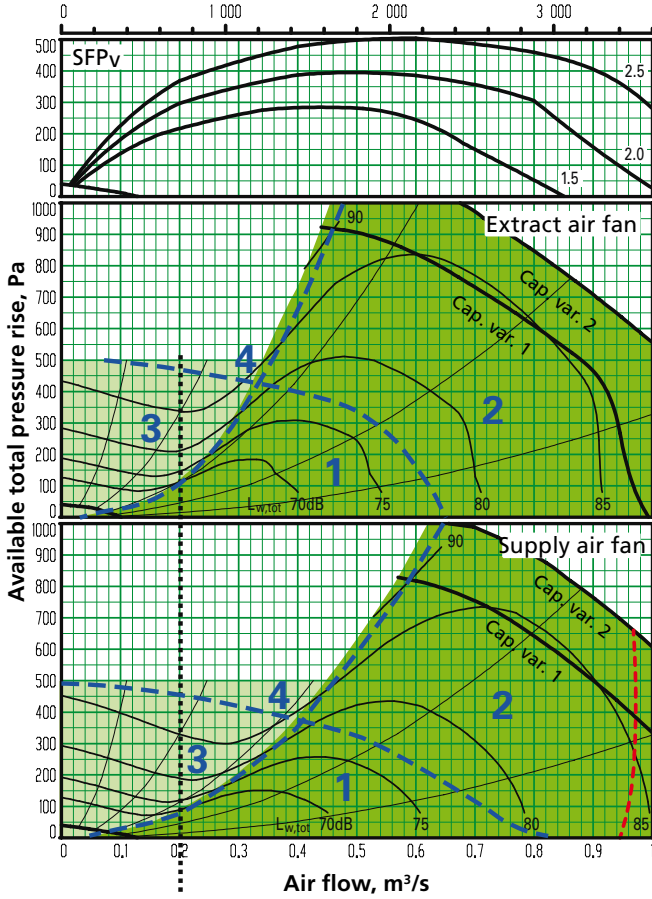
Motor shaft power: 0.8 kW alt. 1.15 kW,
motor control system: 1 x 230 V, 50 Hz, rated 4.3 A alt. 5.5 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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 ³ /h	m ³ /s	m ³ /h	m ³ /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.

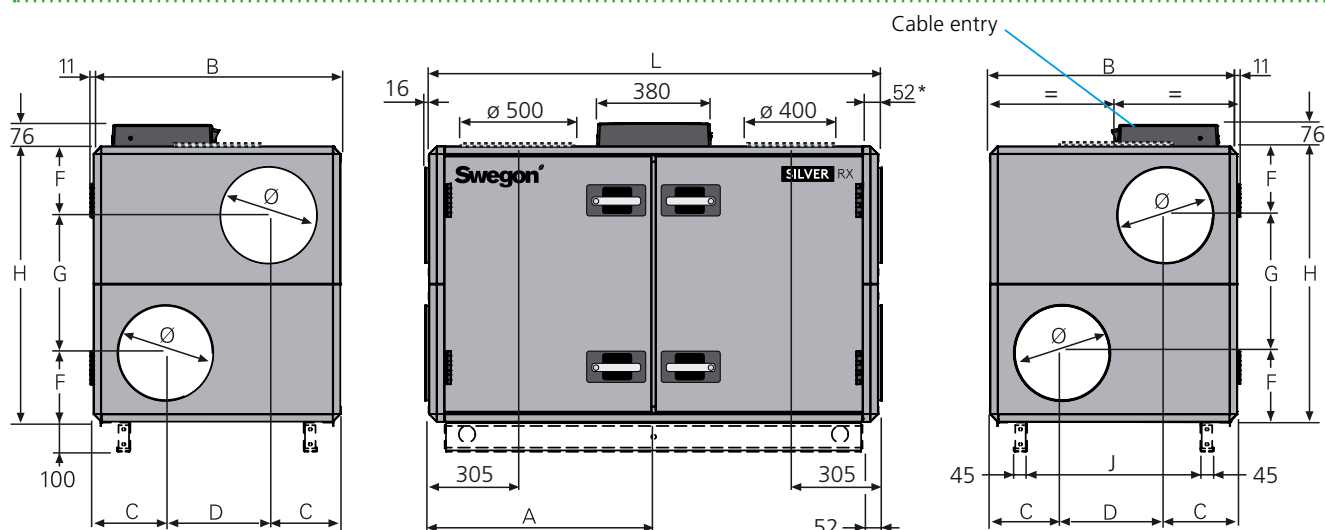
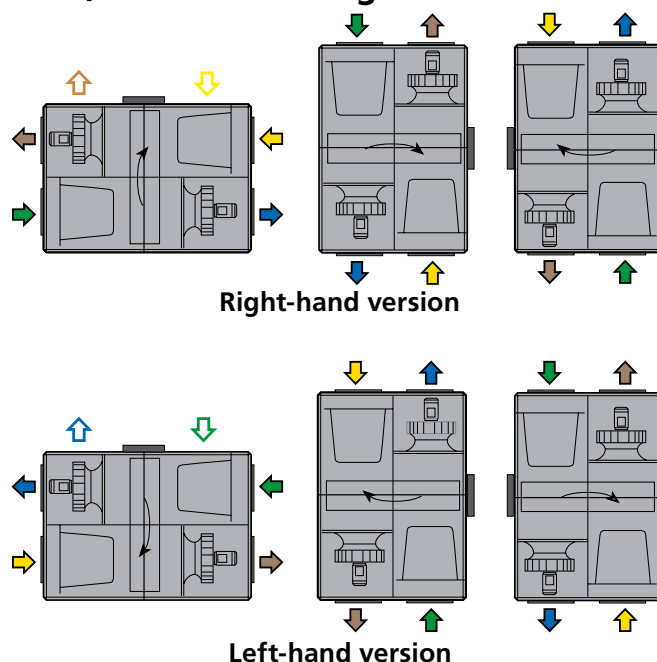
Duct connection options

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).



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
008	805	995	277,5	440	271	543	1085	749	1619	400	295-363

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:

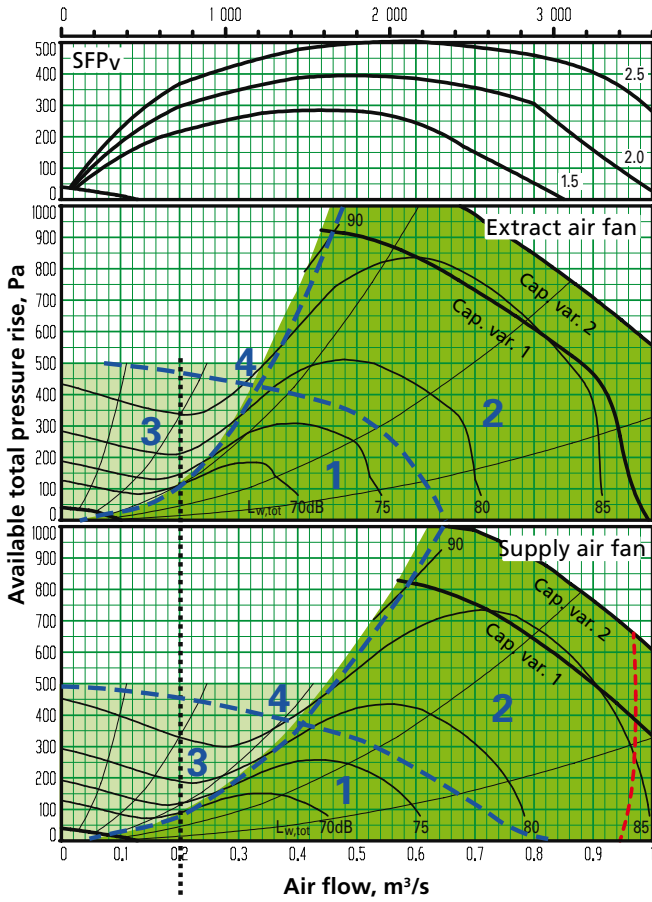
Motor shaft power 1.6 kW, motor control system: 3 x 400 V, 50 Hz, rated 2.8 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

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



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 ³ /h	m ³ /s	m ³ /h	m ³ /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

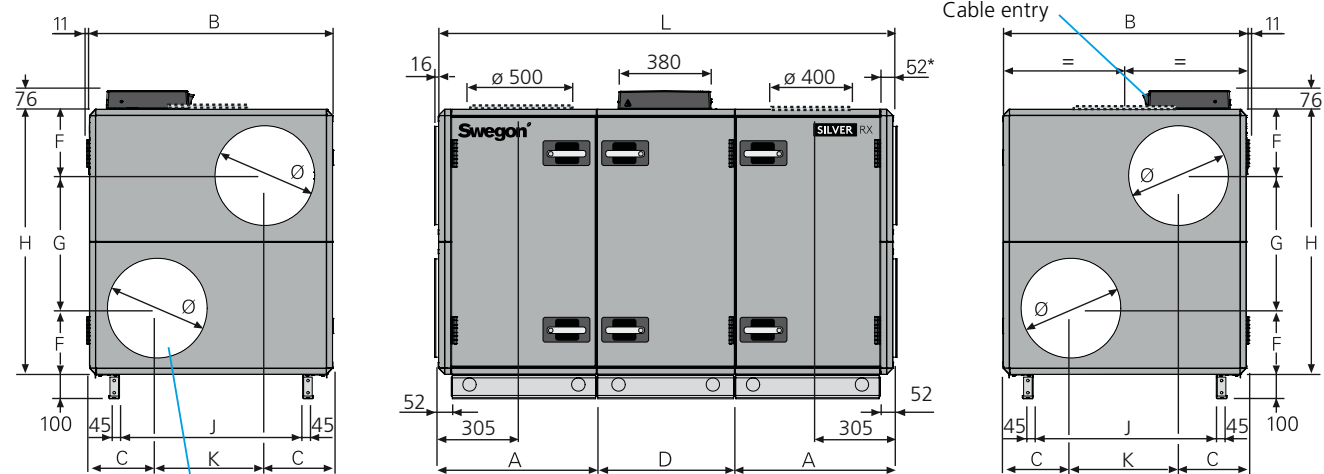
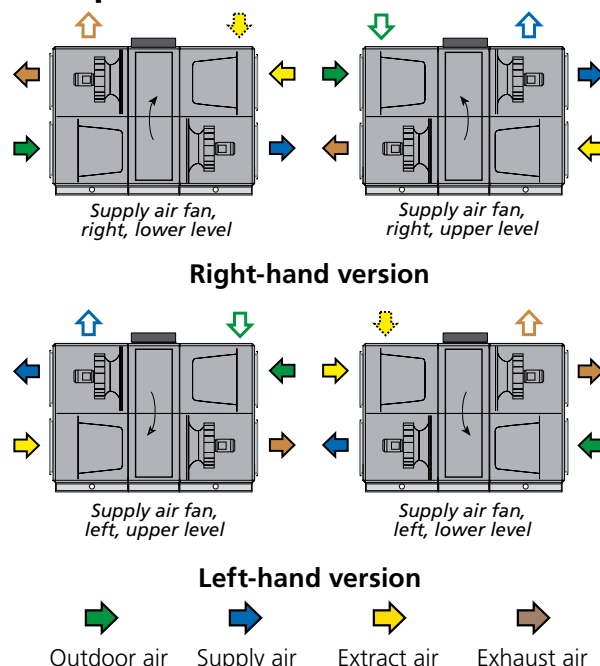
Delivery and transport within the site

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).

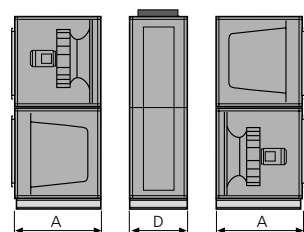


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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
008	647.5	995	277.5	565	271	543	1085	749	440	1860	400	341-420

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 = 121-136 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

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Clear space for inspection

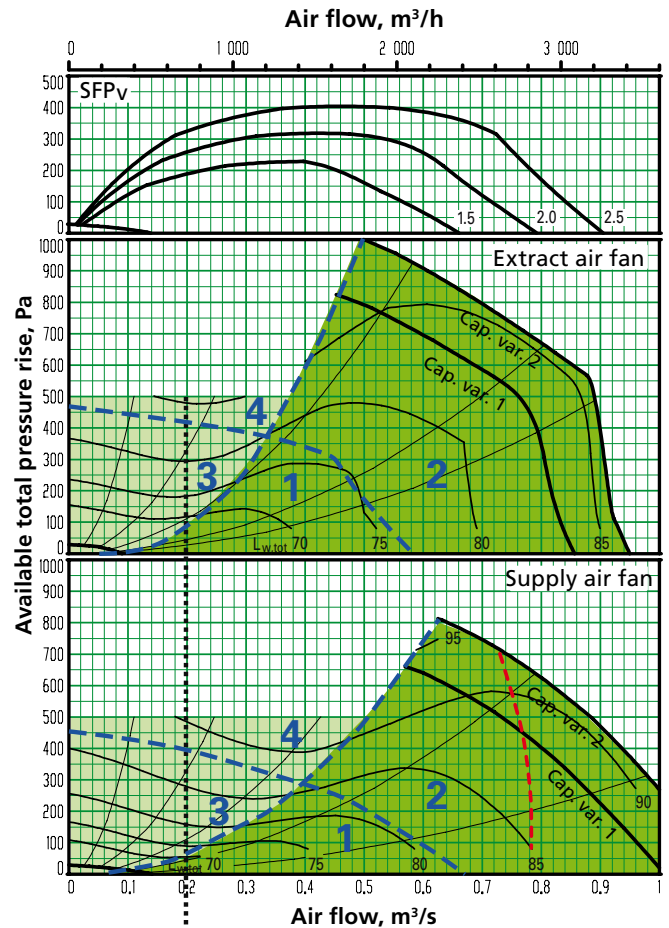
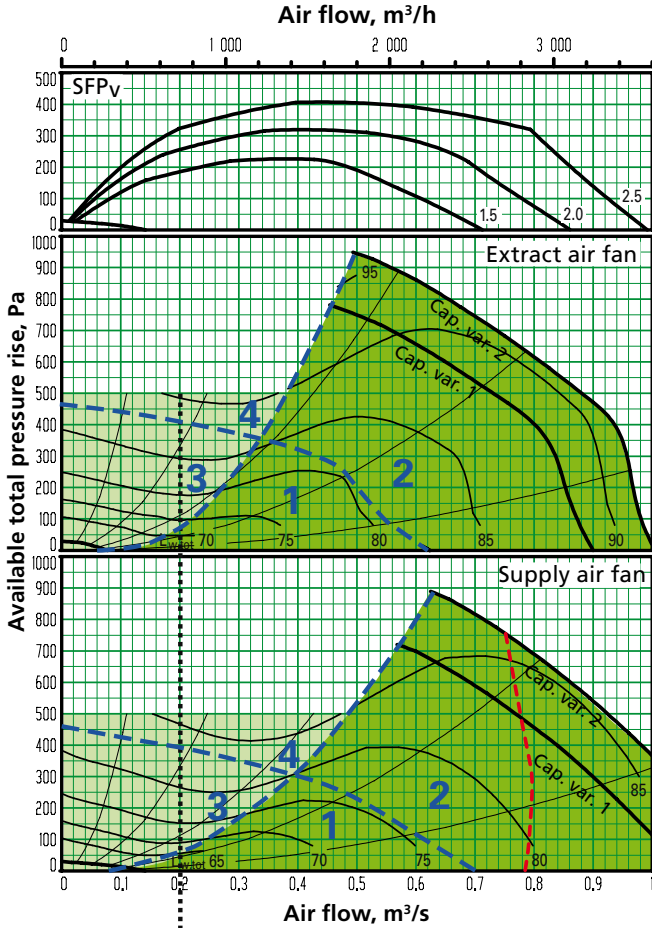
A clear space of 900 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 008

Left-hand version, STE

Right-hand version, STE



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, 2018

Min. and max. air flows

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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
008	720	0,20	3600	1.00

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 the outlet duct	1	1	-6	-5	-8	-11	-11	-18	-26
	2	0	-6	-8	-5	-8	-10	-16	-22
	3	2	-3	-5	-12	-16	-17	-26	-34
	4	0	-5	-4	-9	-14	-15	-24	-31
To the inlet duct*	1	2	-1	-10	-19	-32	-36	-43	-54
	2	-2	-6	-14	-15	-29	-35	-41	-51
	3	1	-1	-11	-22	-37	-43	-50	-57
	4	-3	-3	-9	-19	-35	-41	-47	-52
To unit's surroundings**	1	-10	-20	-28	-29	-44	-44	-52	-57
	2	-11	-20	-31	-26	-41	-43	-50	-53
	3	-9	-17	-28	-33	-49	-50	-60	-65
	4	-11	-19	-27	-30	-47	-48	-58	-62

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 the outlet duct	1	-2	-6	-3	-13	-14	-14	-21	-27
	2	-3	-6	-7	-6	-10	-11	-17	-21
	3	-1	-3	-4	-17	-19	-19	-29	-36
	4	-2	-4	-3	-13	-16	-17	-25	-31
To the inlet duct*	1	-4	-4	-11	-26	-37	-40	-45	-58
	2	-6	-8	-15	-18	-33	-37	-42	-53
	3	-4	-5	-12	-30	-42	-46	-53	-62
	4	-6	-6	-11	-26	-39	-44	-50	-57
To unit's surroundings**	1	-13	-20	-26	-34	-47	-47	-55	-58
	2	-14	-20	-30	-27	-43	-44	-51	-52
	3	-12	-17	-27	-38	-52	-52	-63	-67
	4	-13	-18	-26	-34	-49	-50	-59	-62

* 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 008 unit is produced in one variant in which all the components are arranged at their given physical location inside the unit.

The unit can also be delivered as L-concept with top fed duct connections in combination with side fed duct connections, see the section Description Air handling unit.

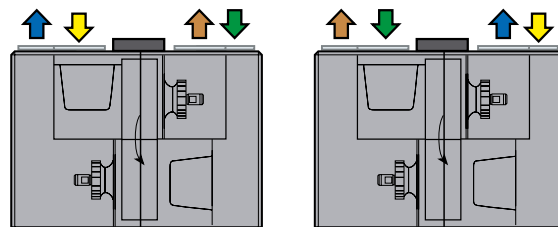
The air handling unit is supplied on a wooden pallet.

Prefitted base beams are obtainable as optional equipment.

Installation/duct connection options

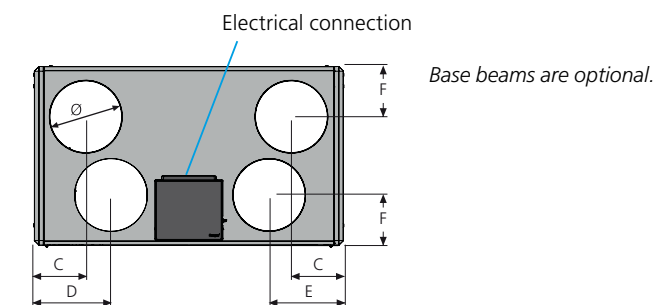
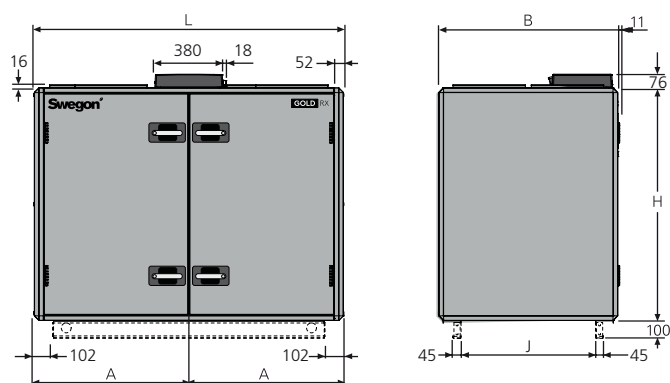
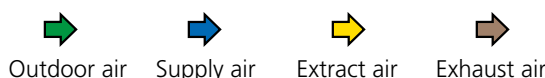
A: All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

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



Left-hand version

Right-hand version



Size	A	B	C	D	E	F	H	J	L	Ø	Weight, kg
008	860	995	286	426	406	280	1295	749	1720	400	369-382

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:

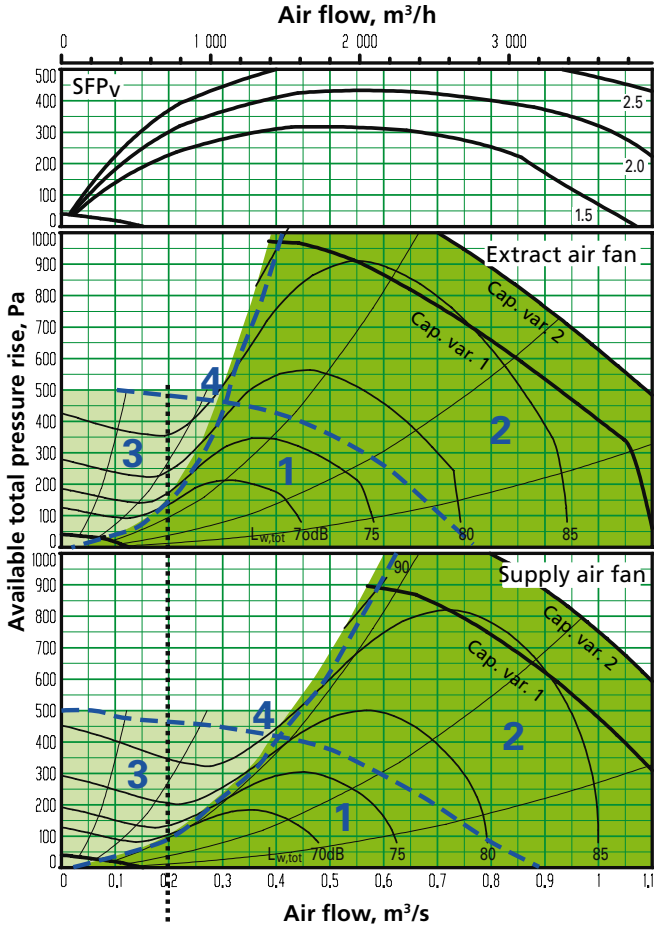
Motor shaft power 1.6 kW,
motor control system: 3 x 400 V, 50 Hz, rated 2.8 A

Motor, heat exchanger

55 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 011 STE



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 63	2 125	3 250	4 500	5 1000	6 2000	7 4000	8 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

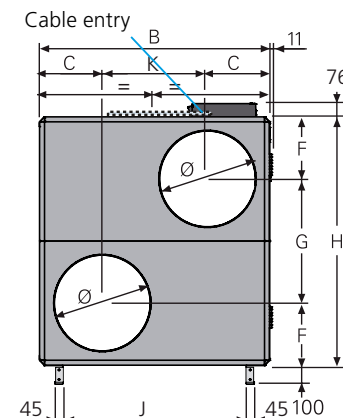
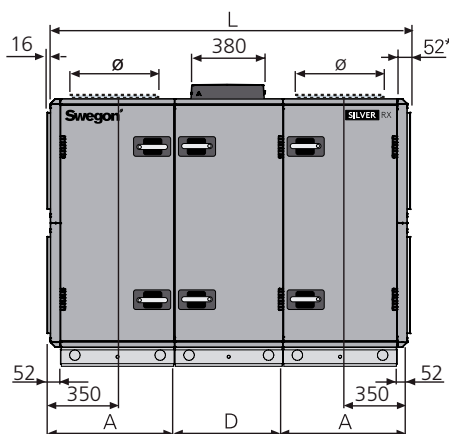
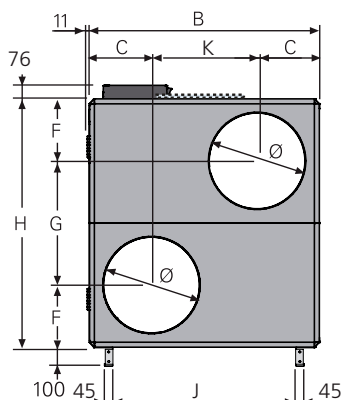
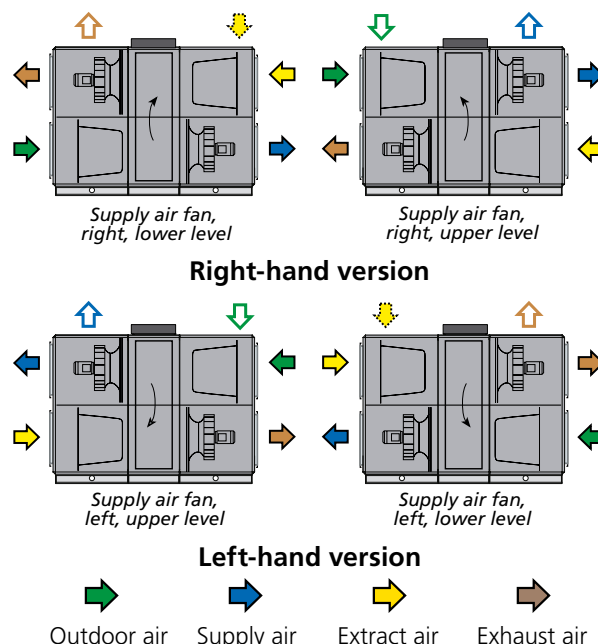
Delivery and transport within the site

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).

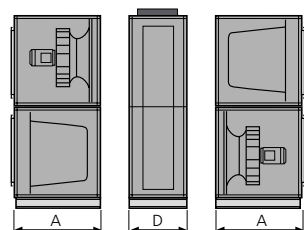


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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	427-527

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 = 157-177 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

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Clear space for inspection

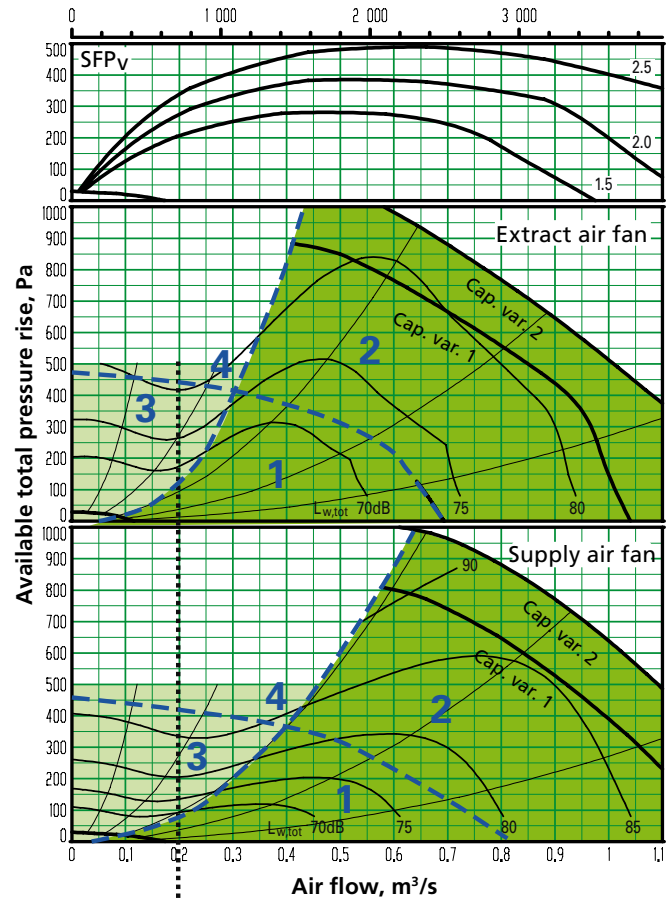
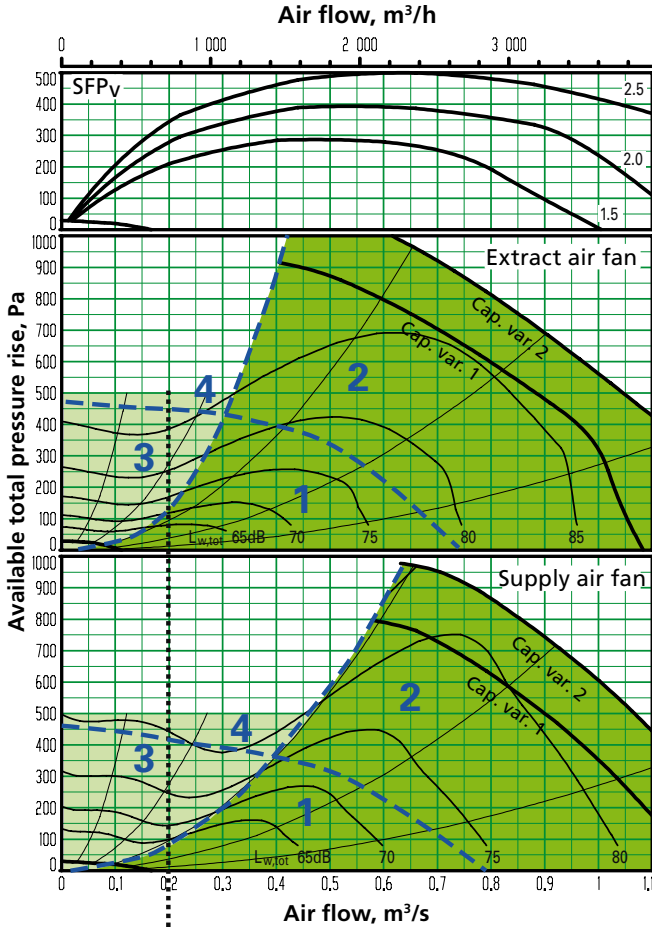
A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 011

Left-hand version, STE

Right-hand version, STE



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. air flows

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 (for airflow regulation)		Max. airflow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
011	720	0.20	3960	1.10

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

Sound path	Area 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	-6	-16	-1	-16	-17	-17	-24	-33
	2	0	-10	-11	-3	-9	-11	-15	-23
	3	6	-3	-5	-11	-14	-15	-24	-34
	4	5	-5	-4	-8	-12	-14	-22	-31
To the inlet duct*	1	-3	-6	-17	-26	-37	-39	-48	-54
	2	-4	-10	-22	-13	-30	-32	-40	-49
	3	6	2	-13	-22	-34	-37	-47	-52
	4	3	-1	-12	-19	-33	-36	-43	-48
To unit's surroundings**	1	-17	-30	-24	-37	-50	-50	-58	-64
	2	-11	-24	-34	-24	-42	-44	-49	-54
	3	-5	-17	-28	-32	-47	-48	-58	-65
	4	-6	-19	-27	-29	-45	-47	-56	-62

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

Sound path	Area 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	-2	-6	-3	-11	-13	-13	-18	-23
	2	-2	-7	-12	-3	-10	-11	-15	-19
	3	1	-1	-7	-15	-18	-19	-27	-32
	4	3	-3	-5	-11	-15	-16	-23	-28
To the inlet duct*	1	-5	-8	-17	-27	-37	-36	-44	-54
	2	-10	-16	-26	-19	-35	-35	-42	-54
	3	-6	-7	-20	-33	-43	-44	-53	-61
	4	-7	-9	-18	-28	-40	-41	-48	-55
To unit's surroundings**	1	-13	-20	-26	-32	-46	-46	-52	-54
	2	-13	-21	-35	-24	-43	-44	-49	-50
	3	-10	-15	-30	-36	-51	-52	-61	-63
	4	-8	-17	-28	-32	-48	-49	-57	-59

* 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 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

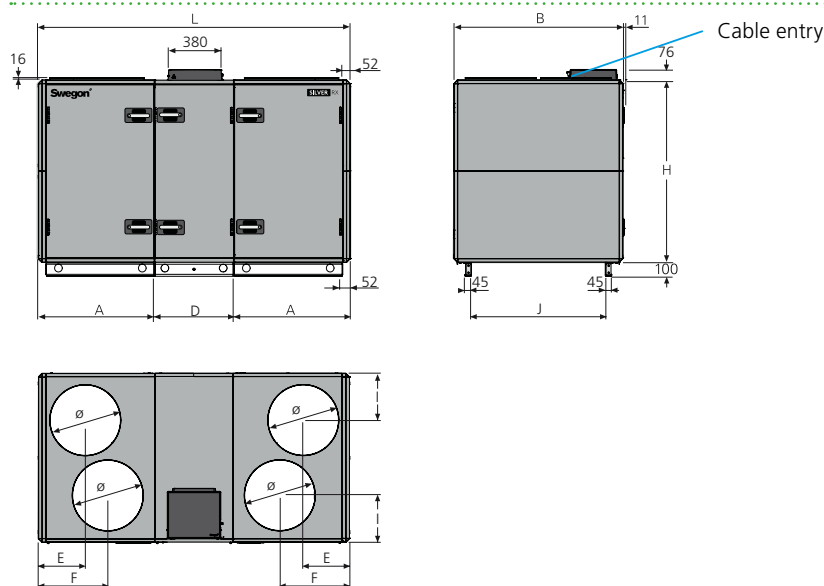
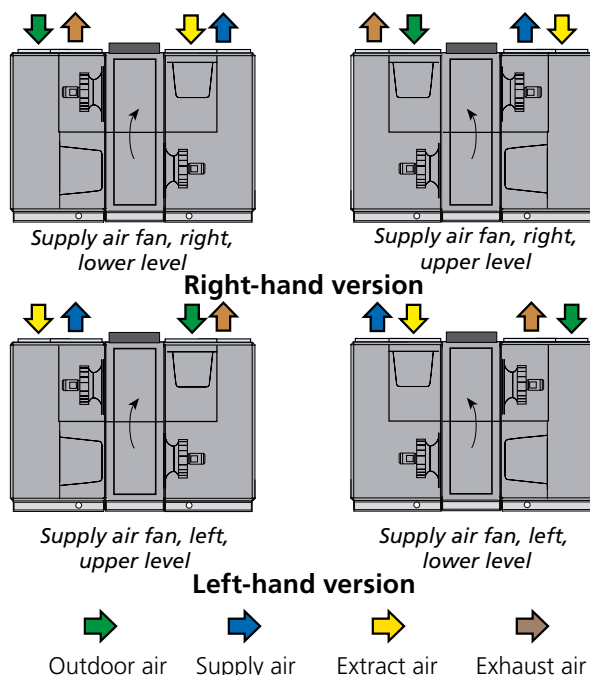
The air handling unit/unit sections is/are delivered on wooden beams.

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).

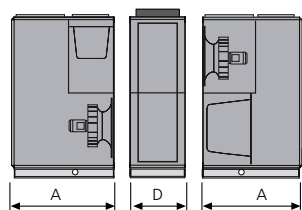
B: Specify right-hand or left-hand version when ordering.

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



Size	A	B	D	E	F	H	I	J	L	Ø	Weight, kg
011	827	1199	565	332	500	1295	332	953	2219	500	527-549

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 = 185-186 kg, D = 157-177 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

Clear space for inspection

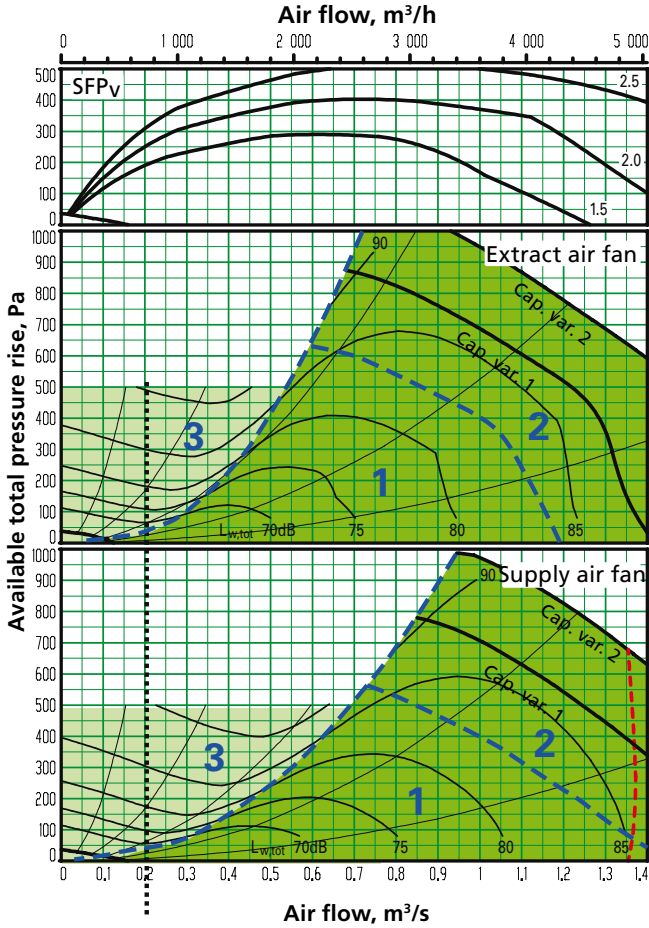
A clear space of 800 mm should be provided in front of the unit and at least 200 mm should be provided above the junction hood.

Motor, heat exchanger

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 012 STE



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 ³ /h	m ³ /s	m ³ /h	m ³ /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 63	2 125	3 250	4 500	5 1000	6 2000	7 4000	8 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

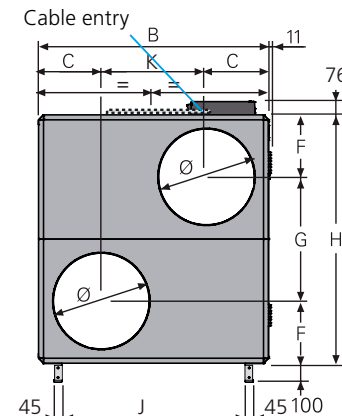
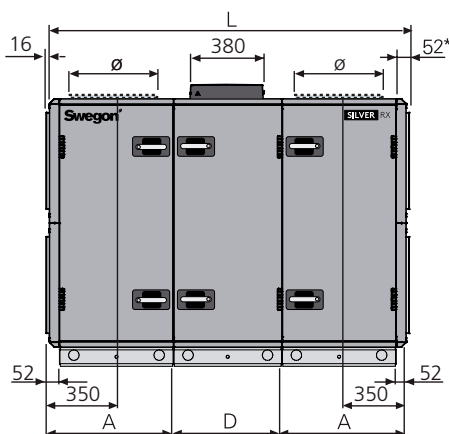
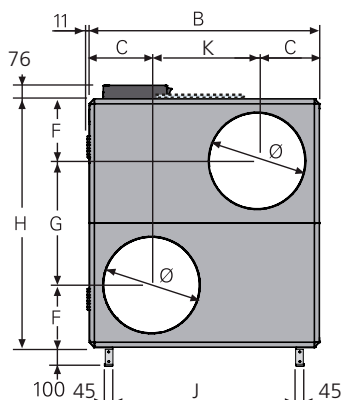
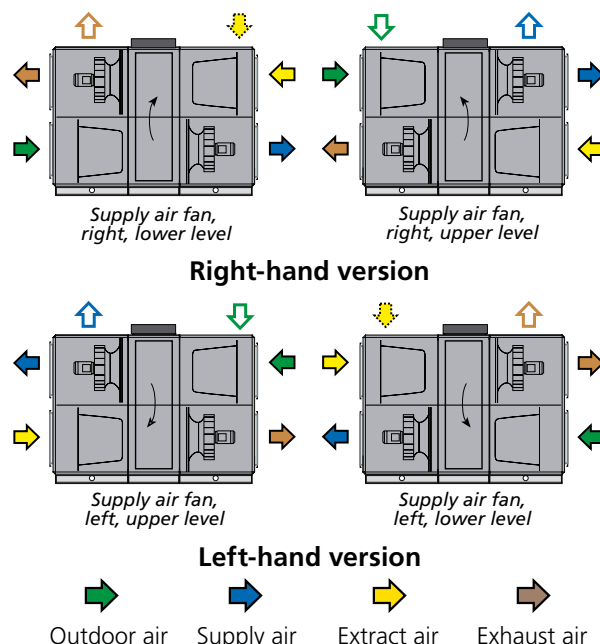
Delivery and transport within the site

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).

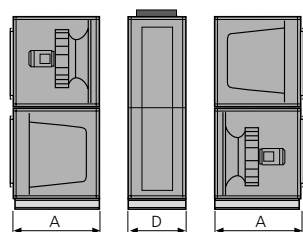


The illustration shows the connections for supply air fan, right-hand/lower level and left-hand/upper level. For supply air fan, right-hand/upper level and left-hand/lower level, the connections are mirror-inverted.

* 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	450-554

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 = 158-176 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

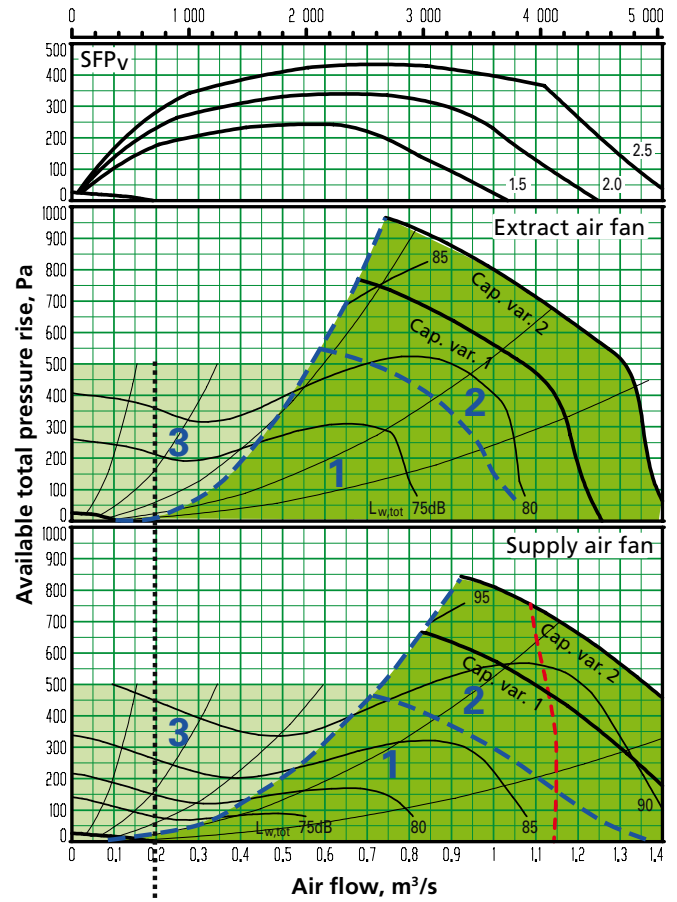
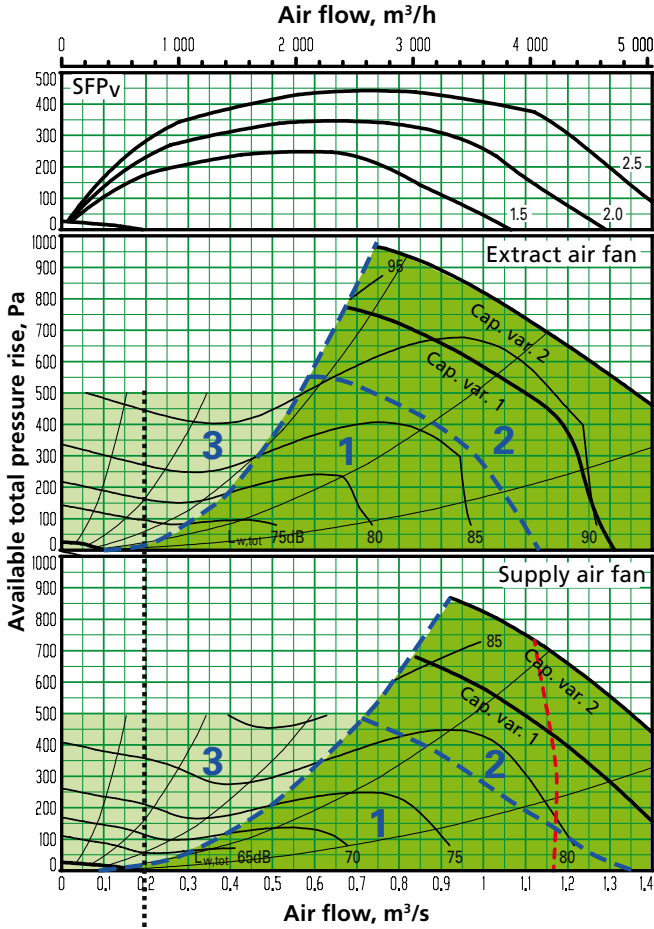
110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 012

Left-hand version, STE

Right-hand version, STE



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. air flows

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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
012	720	0.20	5040	1.40

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

Sound path	Area 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	-9	-2	-11	-13	-15	-22	-29
	2	3	-7	-7	-5	-9	-12	-17	-25
	3	6	-3	-6	-10	-13	-16	-26	-34
To the inlet duct*	1	4	-1	-14	-22	-32	-35	-42	-51
	2	-3	-8	-19	-17	-30	-33	-40	-47
	3	6	2	-14	-23	-34	-37	-43	-48
To unit's surroundings**	1	-10	-23	-25	-32	-46	-48	-56	-60
	2	-8	-21	-30	-26	-42	-45	-51	-56
	3	-5	-17	-29	-31	-46	-49	-60	-65

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

Sound path	Area 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	-2	-6	-3	-11	-12	-16	-22	-26
	2	-3	-6	-9	-5	-9	-13	-18	-23
	3	0	-1	-7	-16	-17	-20	-29	-33
To the inlet duct*	1	-6	-10	-17	-31	-37	-39	-47	-57
	2	-11	-15	-21	-24	-35	-37	-45	-54
	3	-6	-8	-18	-35	-43	-44	-51	-58
To unit's surroundings**	1	-13	-20	-26	-32	-45	-49	-56	-57
	2	-14	-20	-32	-26	-42	-46	-52	-54
	3	-11	-15	-30	-37	-50	-53	-63	-64

* 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 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

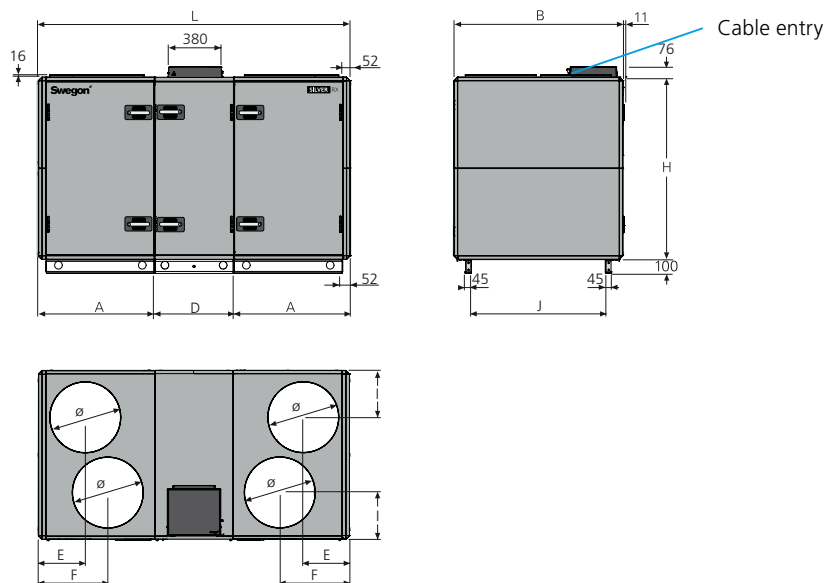
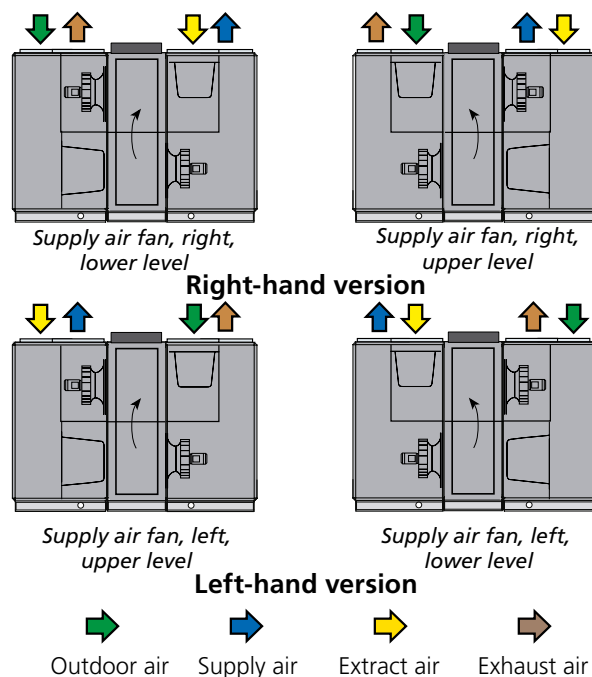
The air handling unit/unit sections is/are delivered on wooden beams.

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).

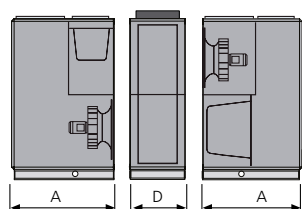
B: Specify right-hand or left-hand version when ordering.

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



Size	A	B	D	E	F	H	I	J	L	Ø	Weight, kg
012	827	1199	565	332	500	1295	332	953	2219	500	550-576

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 = 196-200 kg, D = 158-176 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

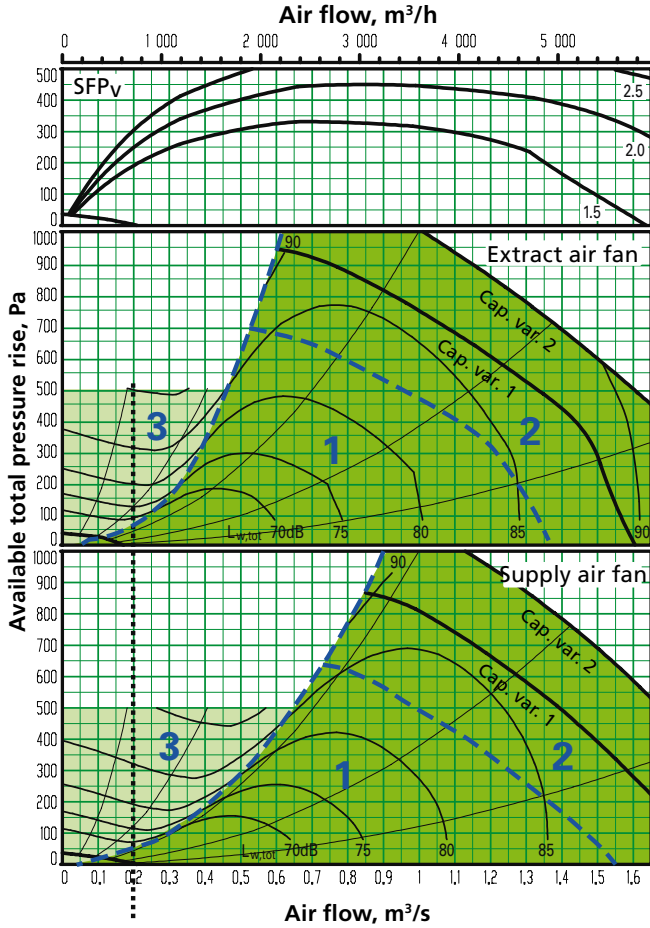
Motor, heat exchanger

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 014/020
 Size 014 (Extract air fan size 020 can be selected, see the next page)

STE



The lower limit for the air flow with air flow regulation.

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. air flow (on airflow regulation)		Max. air flow	
	m³/h	m³/s	m³/h	m³/s
014	720	0,20	5940	1.65

Correction factors, K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1 63	2 125	3 250	4 500	5 1000	6 2000	7 4000	8 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

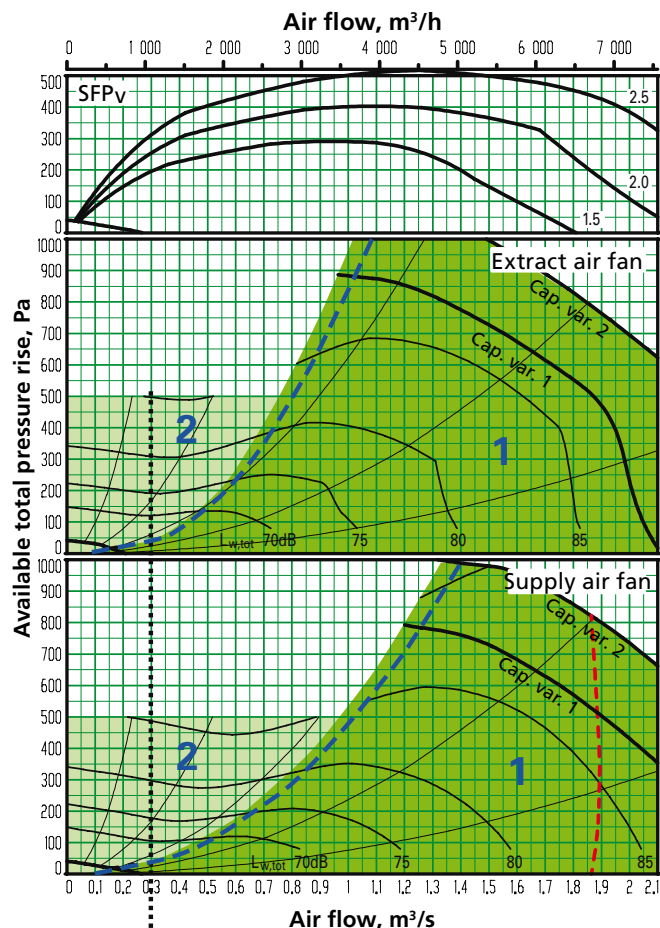
* The integral attenuation of filters and rotary heat exchanger has been taken into account.
 ** Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 014/020

Size 020 (Extract air fan size 014 can be selected, see the previous page)

STE



The lower limit for the air flow with air flow regulation.

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 terminal. The practical flow limits are determined by the external pressure drop.

Size	Min. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
020	1080	0.30	7560	2.1

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
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 014/020

Delivery and transport within the site

The SILVER C RX 014/020 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

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

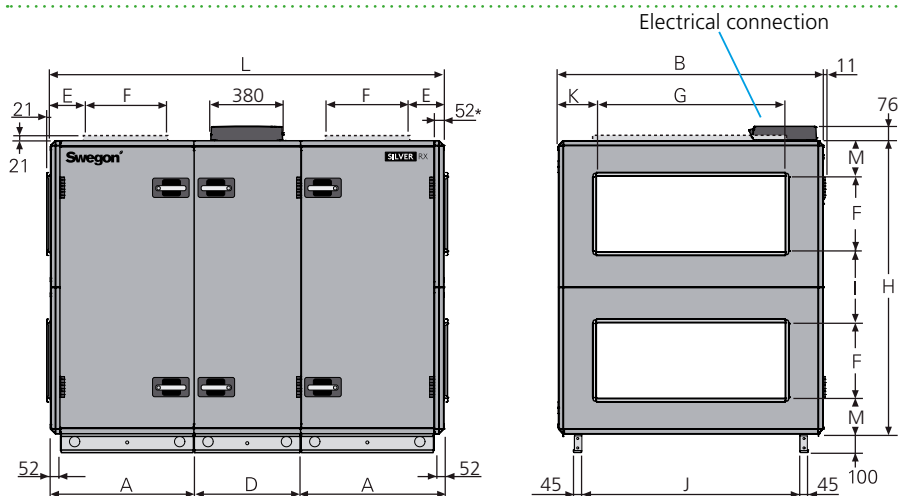
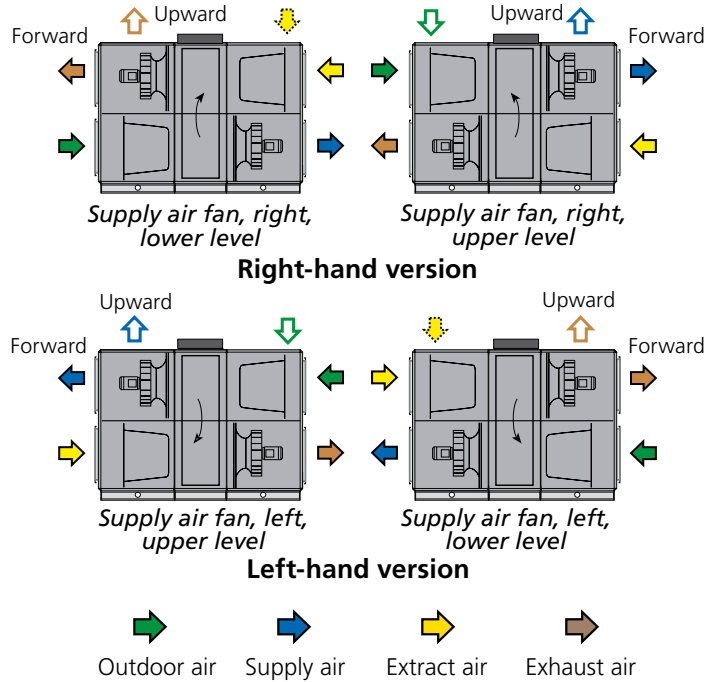
Duct connection options

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).

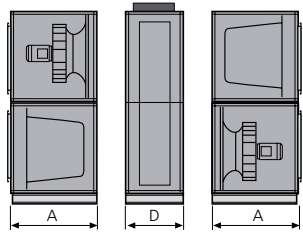
D: Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (does not apply to units installed outdoors).



* 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
014/020	757,5	1400	565	205	400	1000	1551	375	1154	200	2080	188	572-746

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 = 190-264 kg, D = 192-218 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

Size 014: 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
 Size 020: 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

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

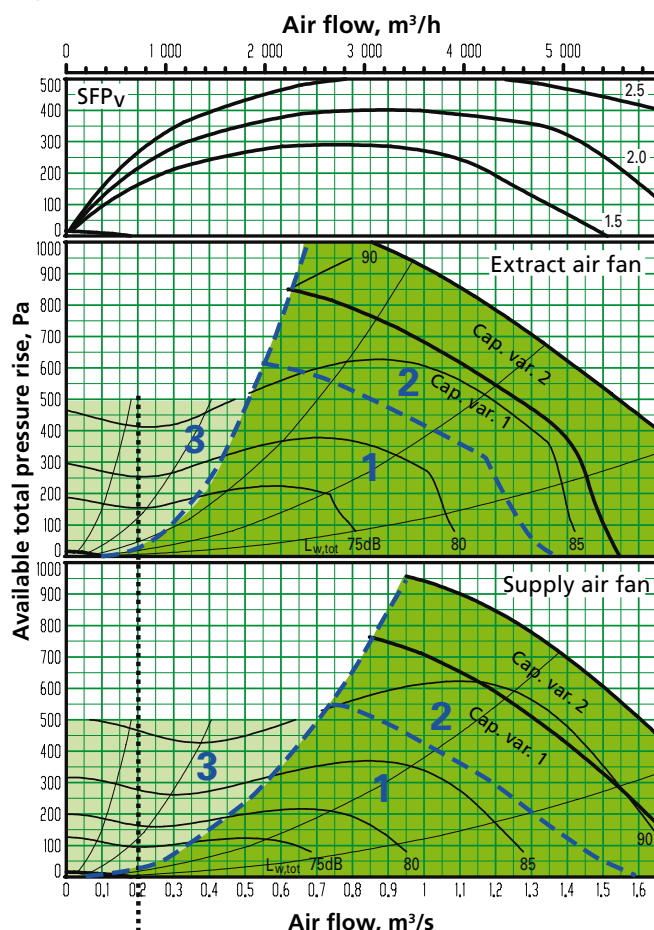
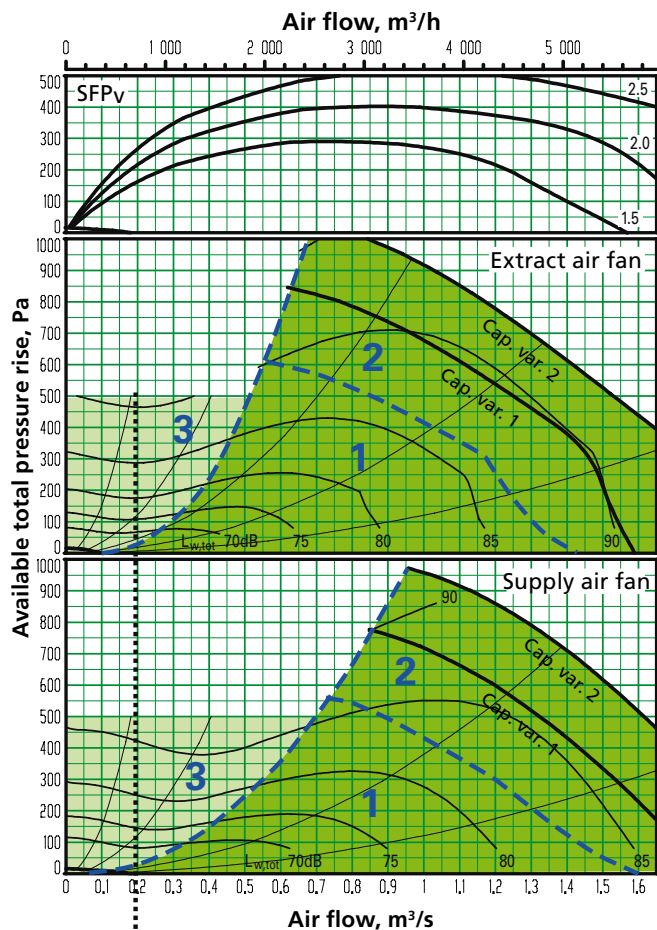
Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 014/020

Size 014 (Extract air fan size 020 can be selected, see the next page)

Left-hand version, STE

Right-hand version, STE



The lower limit for the air flow with air flow regulation.

The lower limit for the air flow with air flow regulation.

The air handling unit complies with requirements to Ecodesign 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
014	720	0,20	5940	1.65

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 the outlet duct	1 2 3	-10 -8 -1	-16 -14 -6	-3 -9 -4	-8 -5 -9	-9 -5 -10	-12 -11 -15	-14 -13 -21	-16 -17 -25
To the inlet duct*	1 2 3	-11 -12 -7	-14 -14 -7	-19 -19 -18	-23 -21 -27	-25 -25 -31	-25 -23 -30	-20 -19 -29	-23 -22 -32
To unit's surroundings**	1 2 3	-21 -19 -12	-30 -28 -20	-26 -32 -27	-29 -26 -30	-42 -38 -43	-45 -44 -48	-48 -47 -55	-47 -50 -56

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 the outlet duct	1 2 3	-9 -10 -2	-12 -13 -4	-4 -13 -6	-8 -2 -10	-8 -8 -10	-11 -13 -15	-15 -17 -22	-19 -19 -28
To the inlet duct*	1 2 3	-12 -18 -8	-15 -19 -9	-18 -21 -23	-18 -30 -32	-27 -30 -32	-26 -30 -33	-27 -35 -35	-24 -27 -34
To unit's surroundings**	1 2 3	-20 -21 -13	-26 -27 -18	-27 -36 -29	-29 -23 -31	-41 -41 -43	-44 -46 -48	-49 -51 -56	-50 -50 -59

* 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.

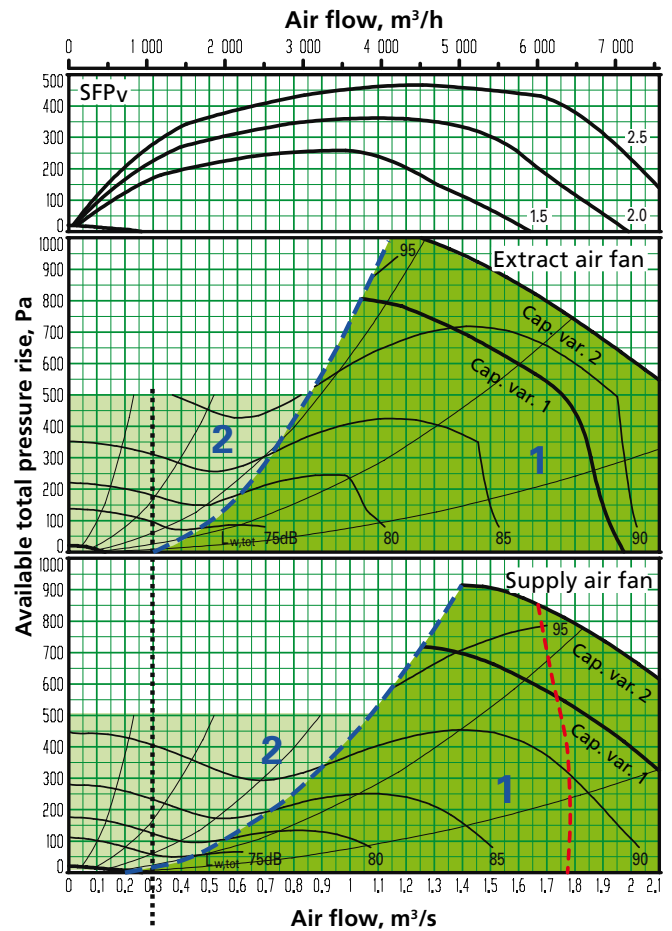
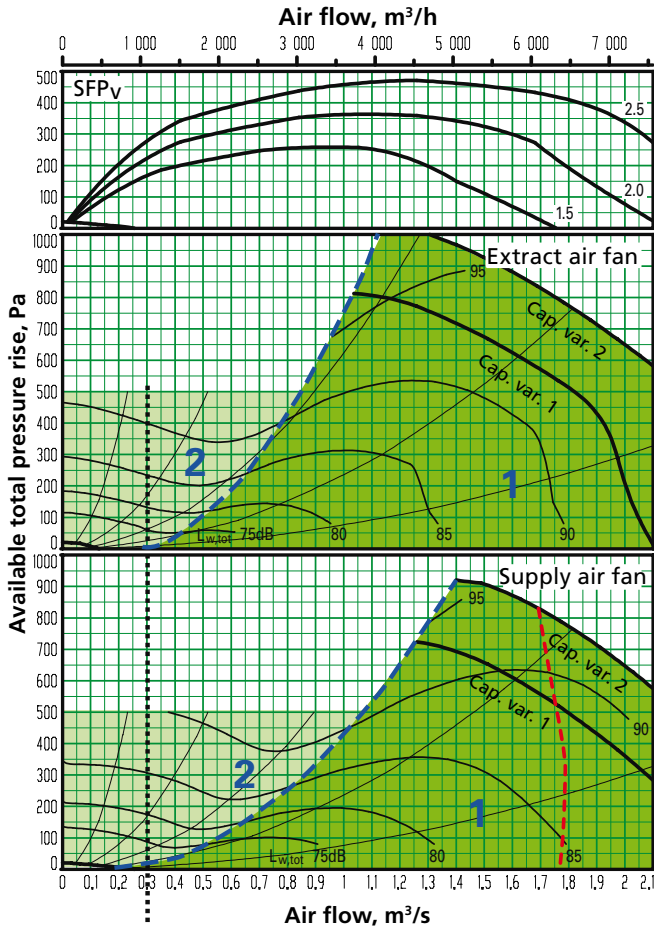
Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 014/020

Size 020 (Extract air fan size 014 can be selected, see the previous page)

Left-hand version, STE

Right-hand version, STE



The lower limit for the air flow with air flow regulation.

The lower limit for the air flow with air flow regulation.

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 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
020	1080	0.30	7560	2.1

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 the outlet duct	1	-8	-12	-4	-7	-8	-14	-17	-22
	2	-3	-6	-3	-8	-10	-18	-25	-30
To the inlet duct*	1	-14	-16	-21	-24	-27	-26	-22	-24
	2	-10	-9	-20	-29	-33	-33	-31	-34
To unit's surroundings**	1	-19	-26	-27	-28	-41	-47	-51	-53
	2	-14	-20	-26	-29	-43	-51	-59	-61

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 the outlet duct	1	-9	-12	-3	-8	-8	-14	-18	-23
	2	-2	-4	-5	-10	-10	-18	-25	-29
To the inlet duct*	1	-15	-18	-20	-29	-28	-29	-24	-26
	2	-10	-10	-23	-33	-34	-35	-33	-35
To unit's surroundings**	1	-20	-26	-26	-29	-41	-47	-52	-54
	2	-13	-18	-28	-31	-43	-51	-59	-60

* 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 014/020

Delivery and transport within the site

The SILVER C RX Top 014/020 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

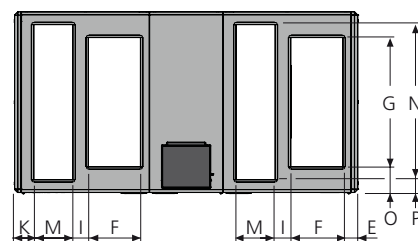
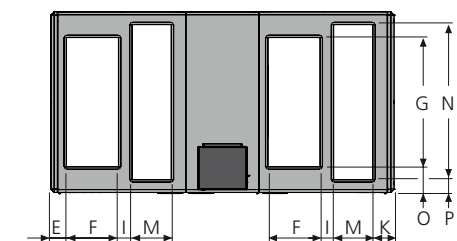
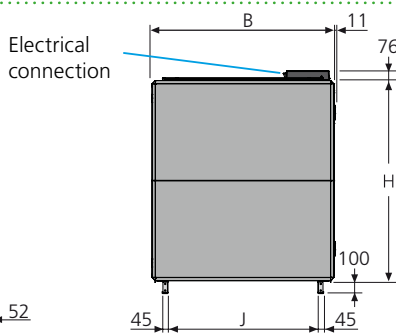
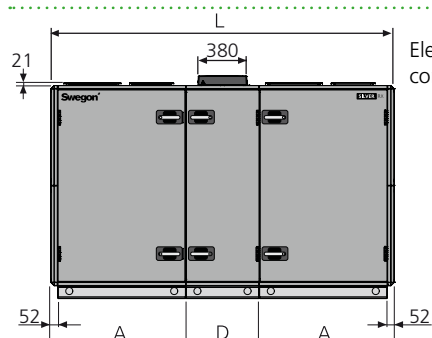
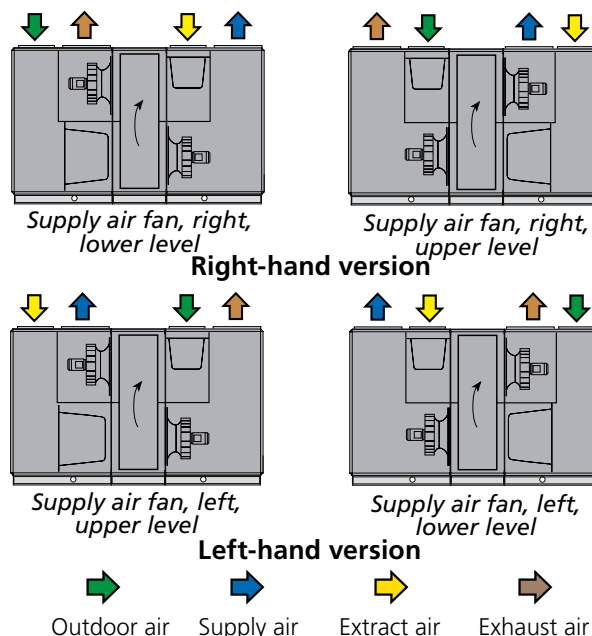
The air handling unit/unit sections is/are delivered on wooden beams.

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..

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

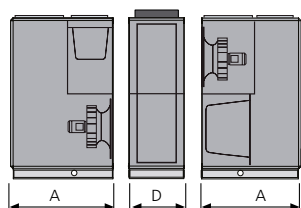


View from above. Shows the air handling unit's duct connections for supply air fan right up and left down

View from above. Shows the air handling unit's duct connections for supply air fan right down and left up

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Weight, kg
014/020	1039	1400	565	120	400	1000	1551	106	1154	165	2643	300	1200	200	100	726-832

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 = 267-307 kg, D = 192-218 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

Size 014: 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

Size 020: 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

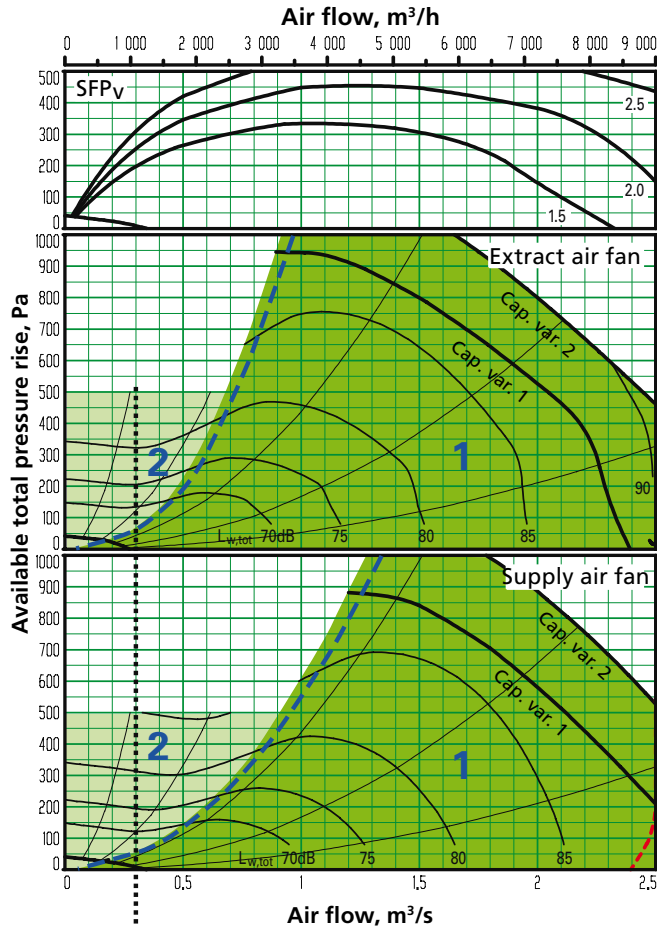
Motor, heat exchanger

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 025/030
 Size 025 (Extract air fan size 030 can be selected, see the next page)

STE



The lower limit for the air flow with air flow regulation.

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 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
025	1080	0.30	9000	2,50

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	-4	-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

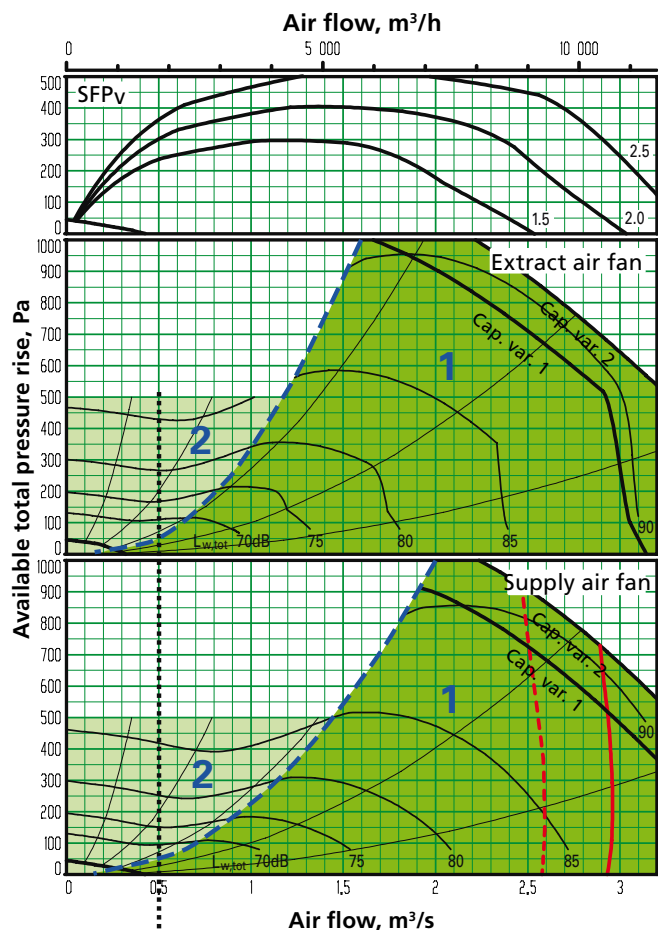
* The integral attenuation of filters and rotary heat exchanger has been taken into account.
 ** Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 025/030

Size 030 (Extract air fan size 025 can be selected, see the previous page)

STE



The lower limit for the air flow with air flow regulation.

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 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
030	1800	0,50	11520	3,20

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
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	-4	-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 025/030

Delivery and transport within the site

The SILVER C RX 025/030 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

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

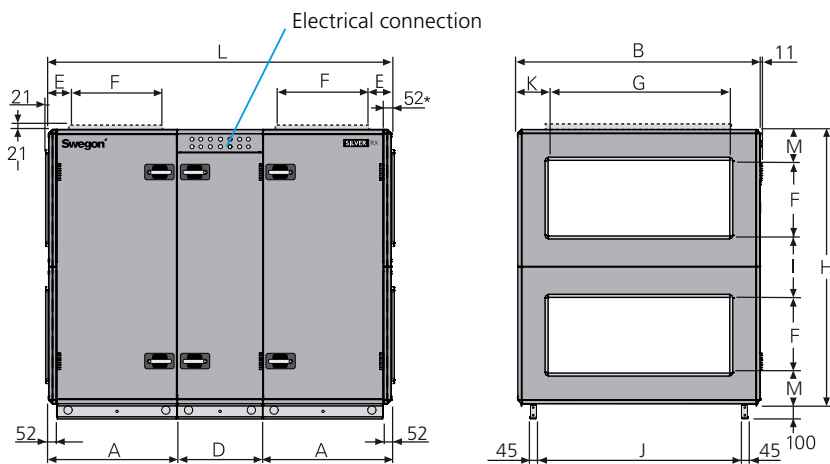
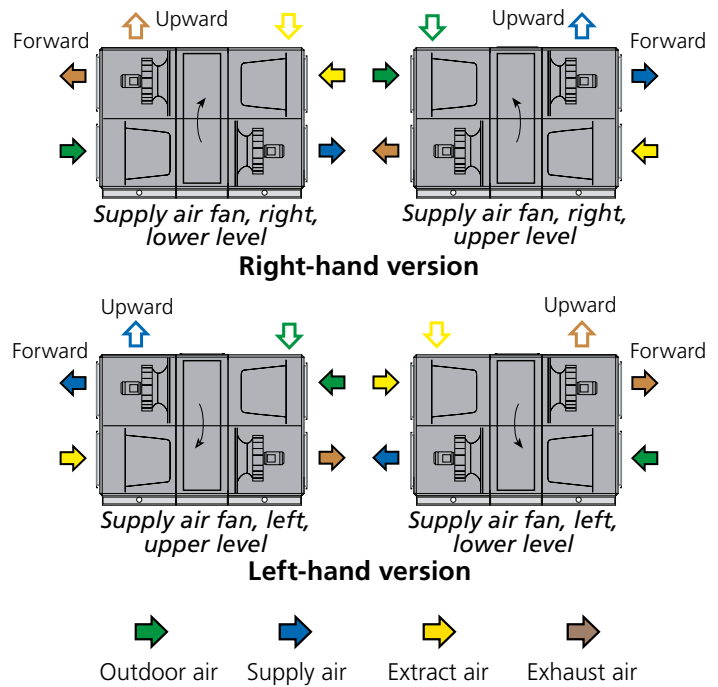
Duct connection options

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).

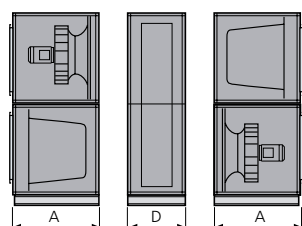
D: Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (does not apply to units installed outdoors).



* 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
025/030	848	1600	565	200	500	1200	1811	405	1354	200	2261	203	744-971

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 = 249-345 kg, D = 246-281 kg.

Clear space for inspection

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

Rated data per fan

Size 025: 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

Size 030: 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

Motor, heat exchanger

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

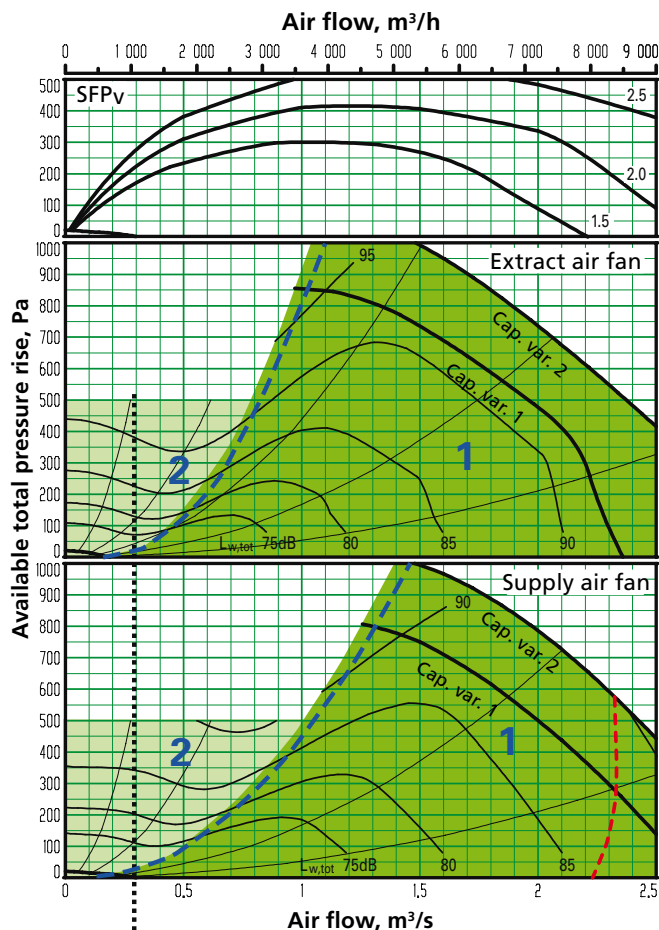
Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 025/030

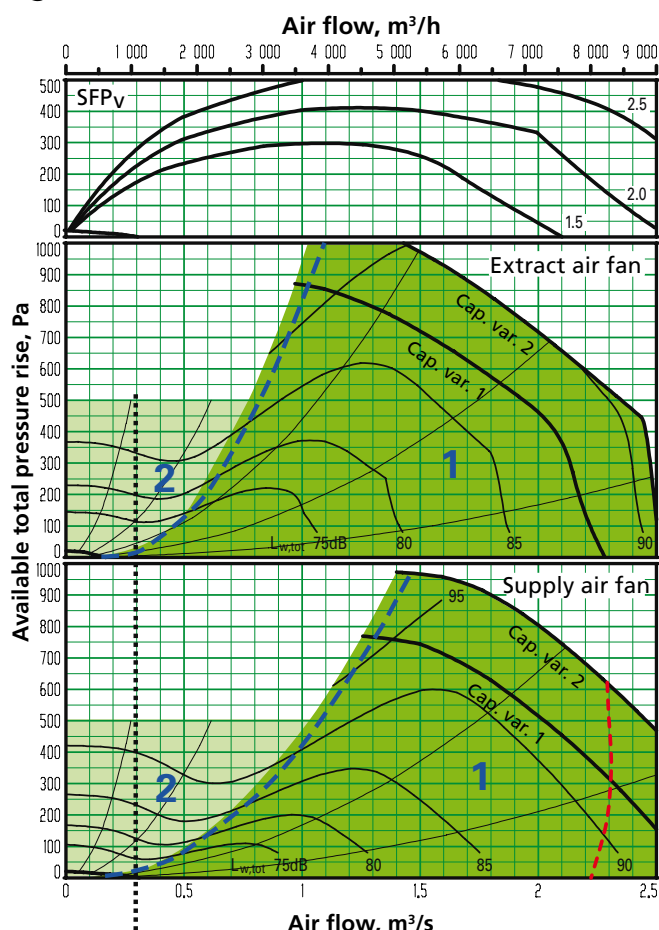
Size 025 (Extract air fan size 030 can be selected, see the next page)

Left-hand version, STE

Right-hand version, STE



The lower limit for the air flow with air flow regulation.



The lower limit for the air flow with air flow regulation.

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 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
025	1080	0.30	9000	2,50

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 the outlet duct	1	-9	-13	-6	-6	-6	-12	-16	-19
	2	-4	-5	-4	-8	-10	-18	-25	-28
To the inlet duct*	1	-11	-13	-15	-26	-30	-31	-36	-36
	2	-8	-9	-21	-31	-36	-37	-40	-40
To unit's surroundings**	1	-20	-27	-29	-27	-39	-45	-50	-50
	2	-15	-19	-27	-29	-43	-51	-59	-59

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 the outlet duct	1	-8	-12	-4	-7	-7	-12	-17	-20
	2	-2	-4	-5	-9	-10	-18	-25	-29
To the inlet duct*	1	-14	-15	-18	-30	-32	-35	-43	-44
	2	-12	-11	-23	-35	-37	-41	-47	-46
To unit's surroundings**	1	-19	-26	-27	-28	-40	-45	-51	-51
	2	-13	-18	-28	-30	-43	-51	-59	-60

* 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.

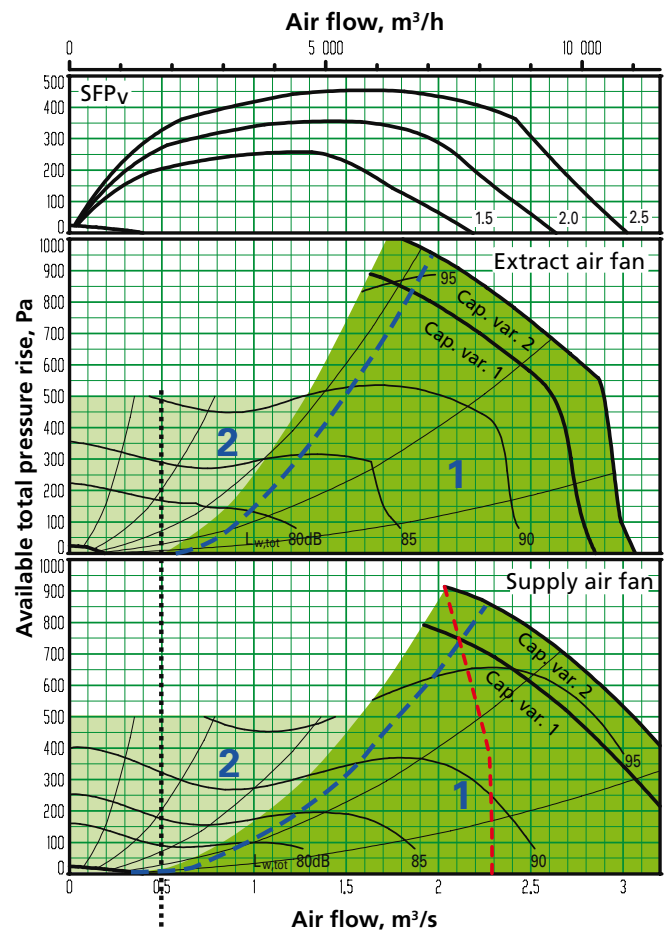
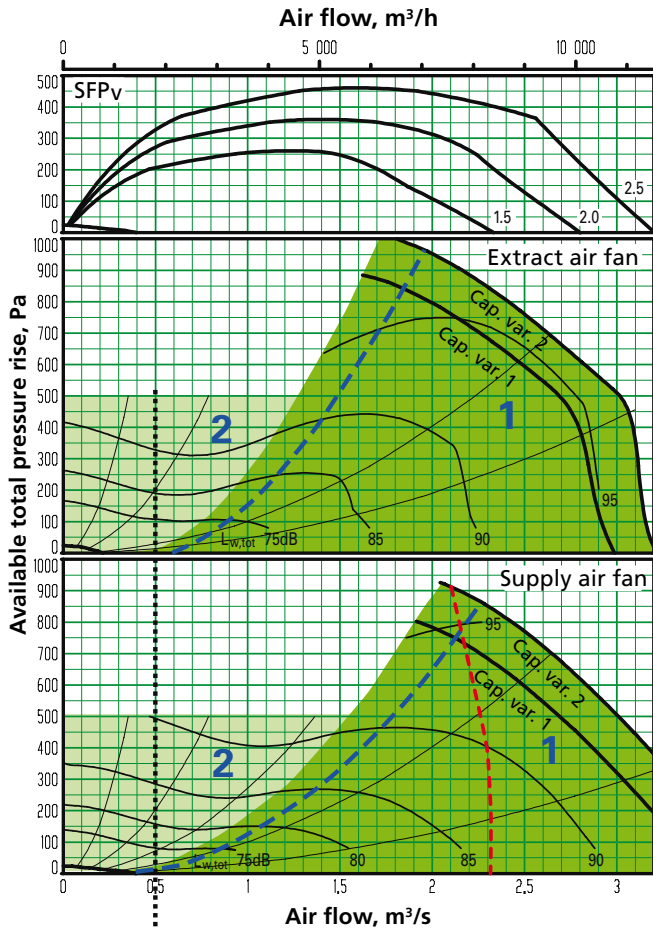
Sizing, installation, dimensions and weights

SILVER C RX Top, rotary heat exchanger, size 025/030

Size 030 (Extract air fan size 025 can be selected, see the previous page)

Left-hand version, STE

Right-hand version, STE



The lower limit for the air flow with air flow regulation.

The lower limit for the air flow with air flow regulation.

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 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. air flow (on airflow regulation)		Max. air flow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
030	1800	0,50	11520	3,20

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 the outlet duct	1	-9	-13	-3	-6	-10	-15	-17	-17
	2	-3	-5	-4	-8	-10	-18	-23	-24
To the inlet duct*	1	-15	-17	-17	-28	-33	-34	-40	-40
	2	-8	-8	-20	-31	-35	-36	-38	-39
To unit's surroundings**	1	-20	-27	-26	-27	-43	-48	-51	-48
	2	-14	-19	-27	-29	-43	-51	-57	-55

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 the outlet duct	1	-9	-11	-3	-7	-9	-14	-17	-18
	2	-1	-3	-6	-9	-11	-19	-24	-26
To the inlet duct*	1	-17	-18	-19	-30	-32	-36	-45	-45
	2	-11	-10	-22	-34	-36	-40	-46	-45
To unit's surroundings**	1	-20	-25	-26	-28	-42	-47	-51	-49
	2	-12	-17	-29	-30	-44	-52	-58	-57

* 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 025/030

Delivery and transport within the site

The SILVER C RX Top 025/030 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. Filter/fan sections for RX and RX Top can be combined, see the section: Description of the Air Handling Unit.

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

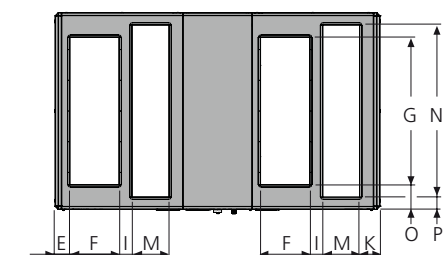
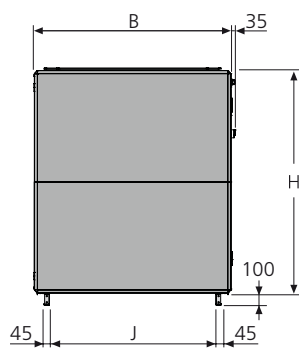
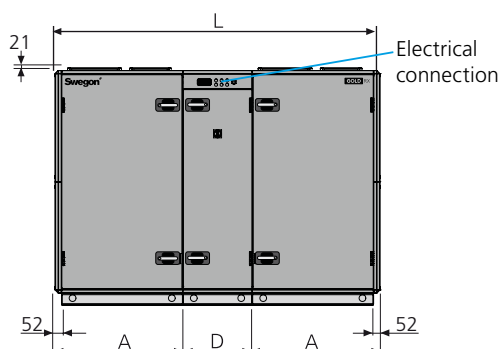
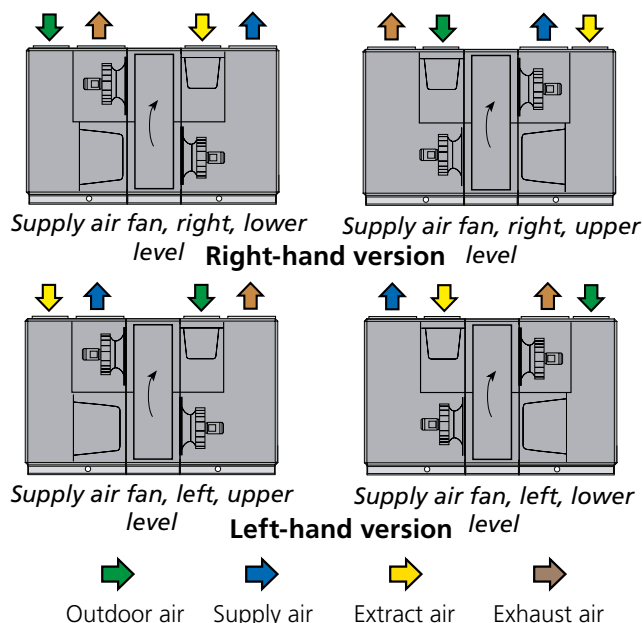
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

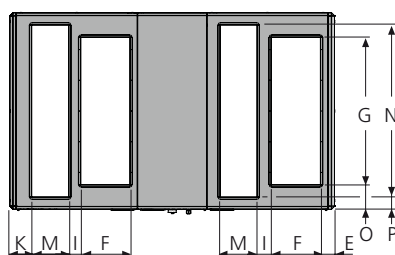
A: All the duct connections are arranged from the top of the air handling unit (the unit must not be installed outdoors).

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

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



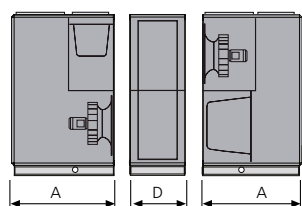
View from above. Shows the air handling unit's duct connections for supply air fan right up and left down



View from above. Shows the air handling unit's duct connections for supply air fan right down and left up

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Weight, kg
025/030	1039	1600	565	120	400	1200	1811	106	1354	165	2643	300	1400	200	100	884-1033

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 = 319-376 kg, D = 246-281 kg.

Clear space for inspection

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

Rated data per fan

Size 025: 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

Size 030: 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

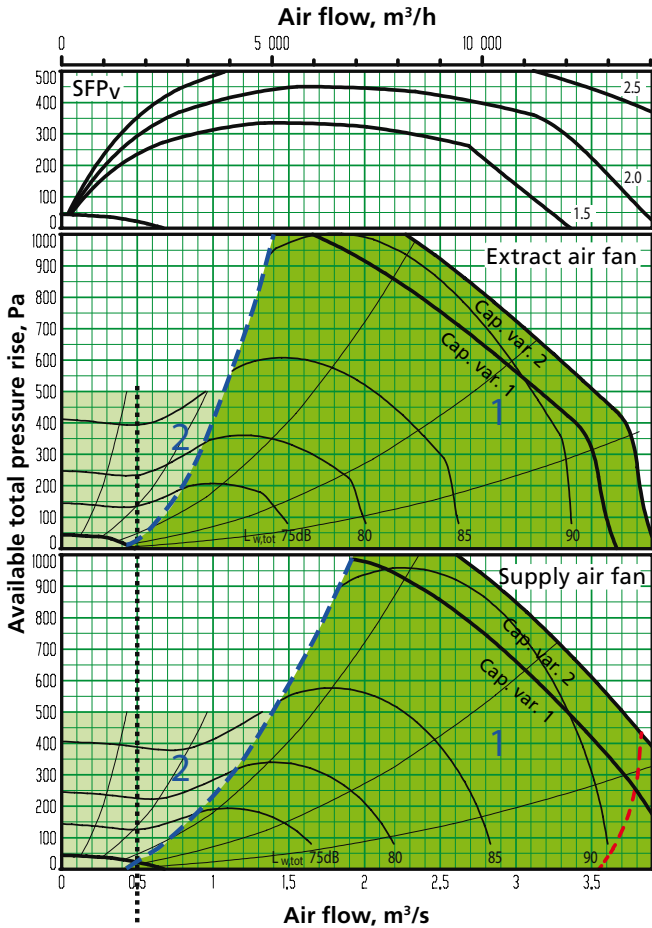
Motor, heat exchanger

110 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 035/040
 Size 035 (Extract air fan size 040 can be selected, see the next page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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
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

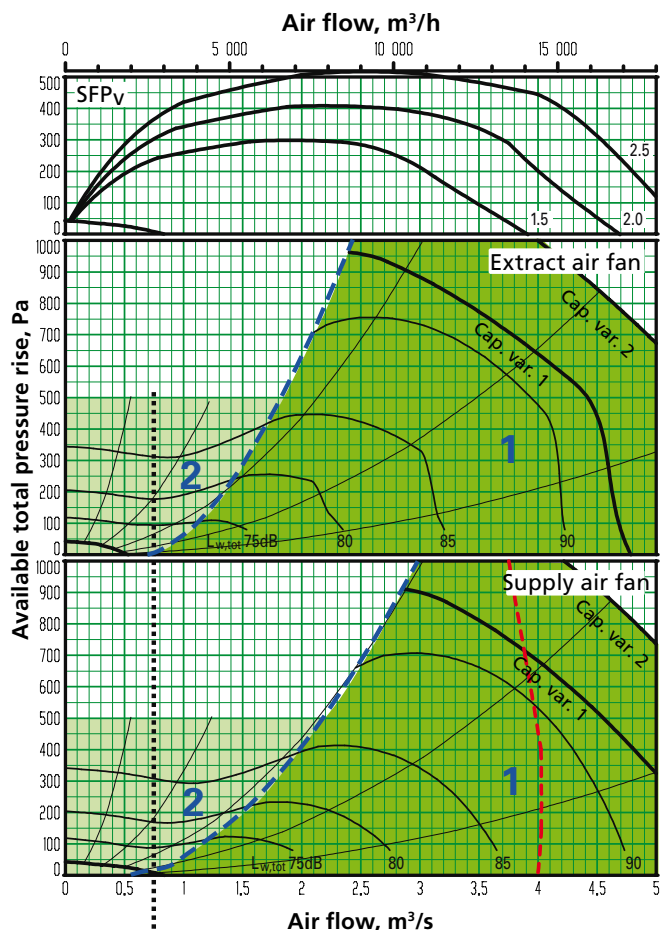
* The integral attenuation of filters and rotary heat exchanger has been taken into account.
 ** Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 035/040

Size 040 (Extract air fan size 035 can be selected, see the previous page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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
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 035/040

Delivery and transport within the site

The SILVER C RX 035/040 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.

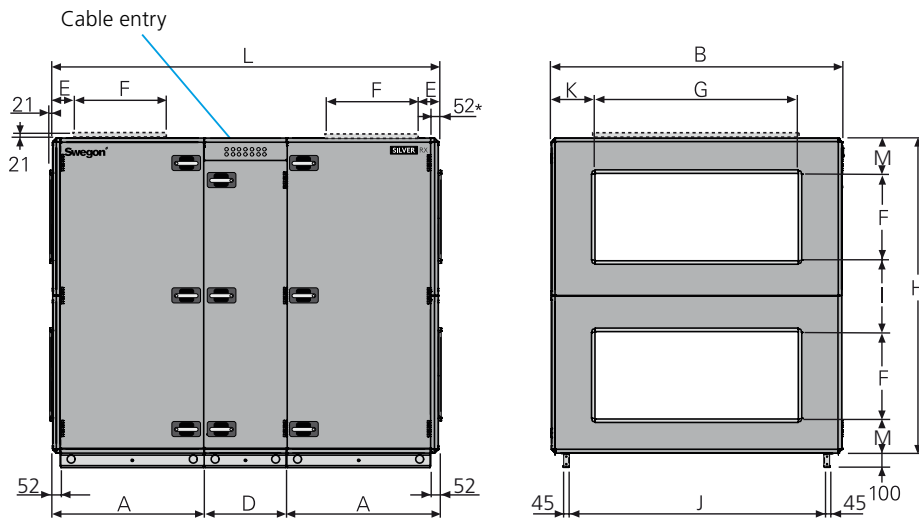
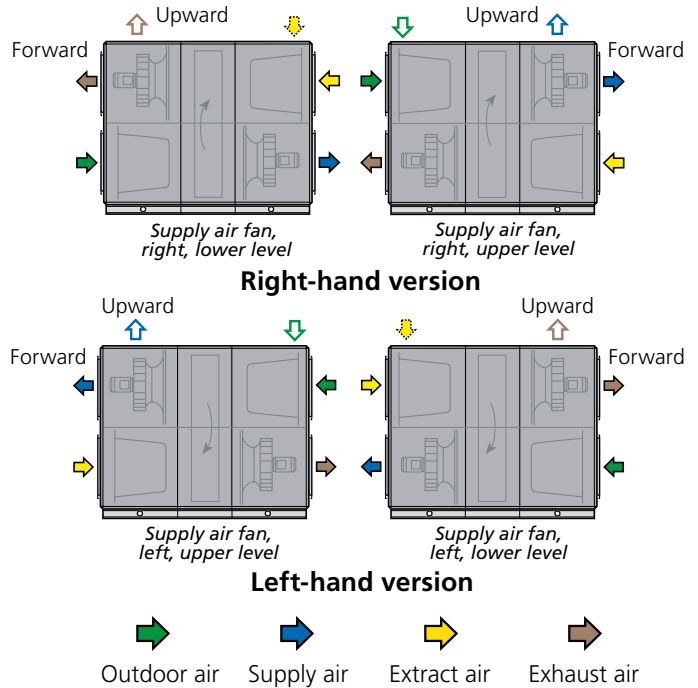
Duct connection options

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).

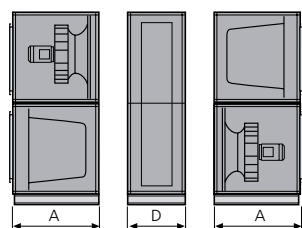
D: Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors).



* 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
035/040	1038.5	1990	565	245	600	1400	2159	479	1744	295	2642	240	1096-1405

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 = 377-504 kg, D = 342-397 kg.

Clear space for inspection

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

Rated data per fan

Size 035: 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
 Size 040: 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

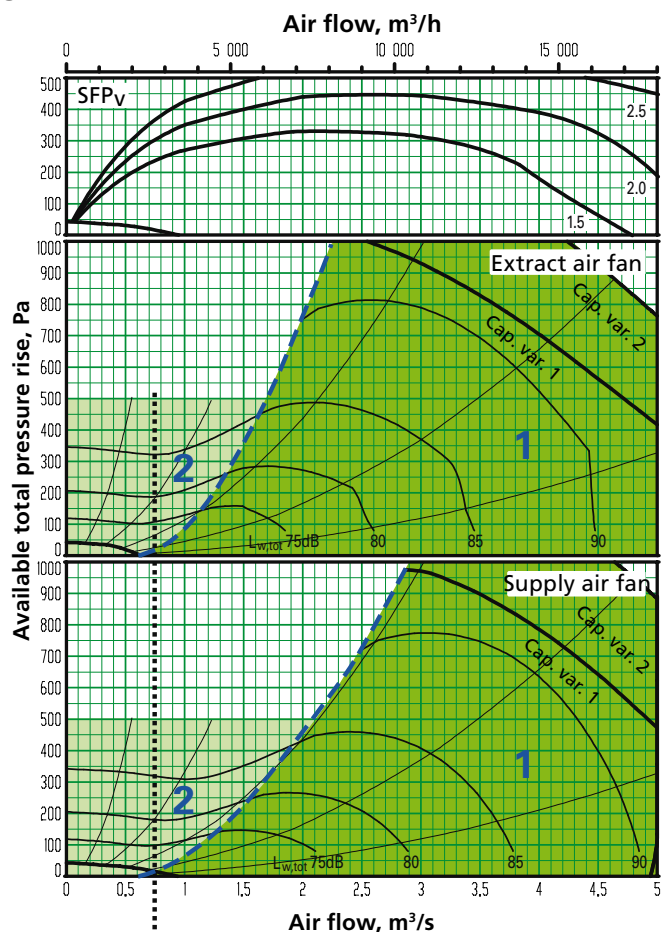
Standard: 110 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 10A
 Sorption: 220 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 050/060

Size 050 (Extract air fan size 060 can be selected, see the next page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
050	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

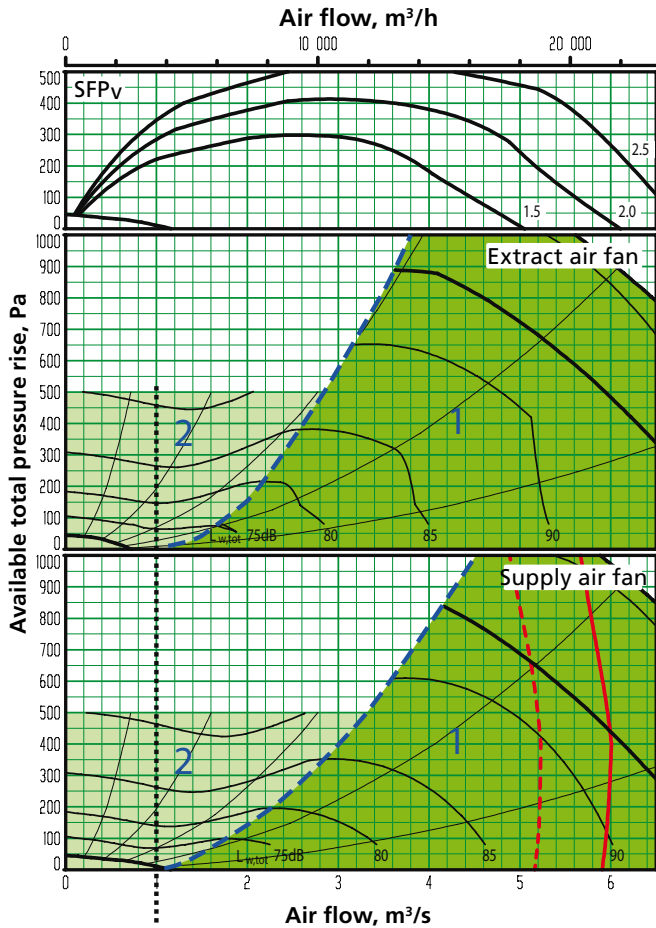
* The integral attenuation of filters and rotary heat exchanger has been taken into account.

** 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 050/060 Size 060 (Extract air fan size 050 can be selected, see the previous page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
060	3600	1,00	23400	6,50

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
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 050/060

Delivery and transport within the site

The SILVER C RX 050/060 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 air handling unit/unit sections is/are delivered on wooden beams.

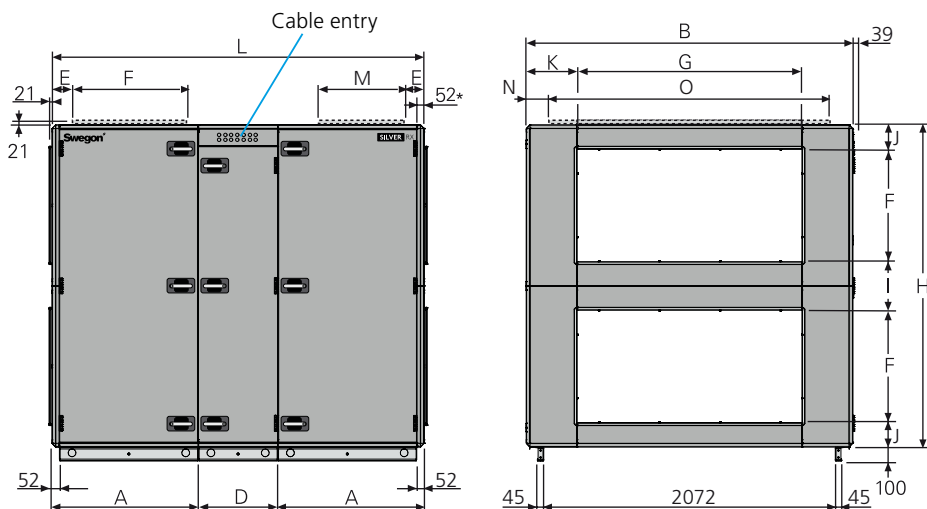
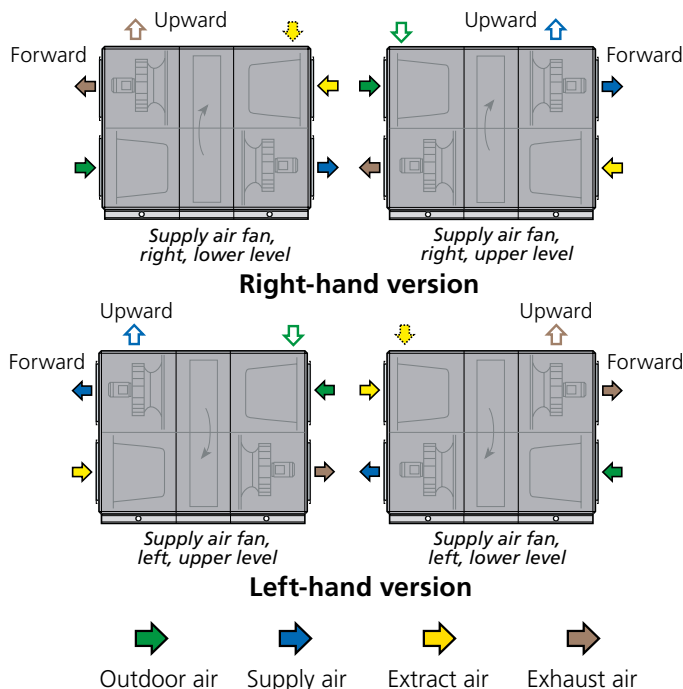
Duct connection options

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).

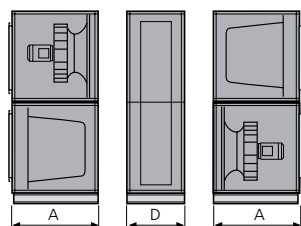
D: Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size: 2,000 x 600 mm.



* 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).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
050/060	1038,5	2318	565	145	800	1600	2288	344	172	359	2642	600	159	2000	1298-1752

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 = 444-630 kg, D = 410-492 kg.

Clear space for inspection

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

Rated data per fan

Size 050: 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
 Size 060: 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.

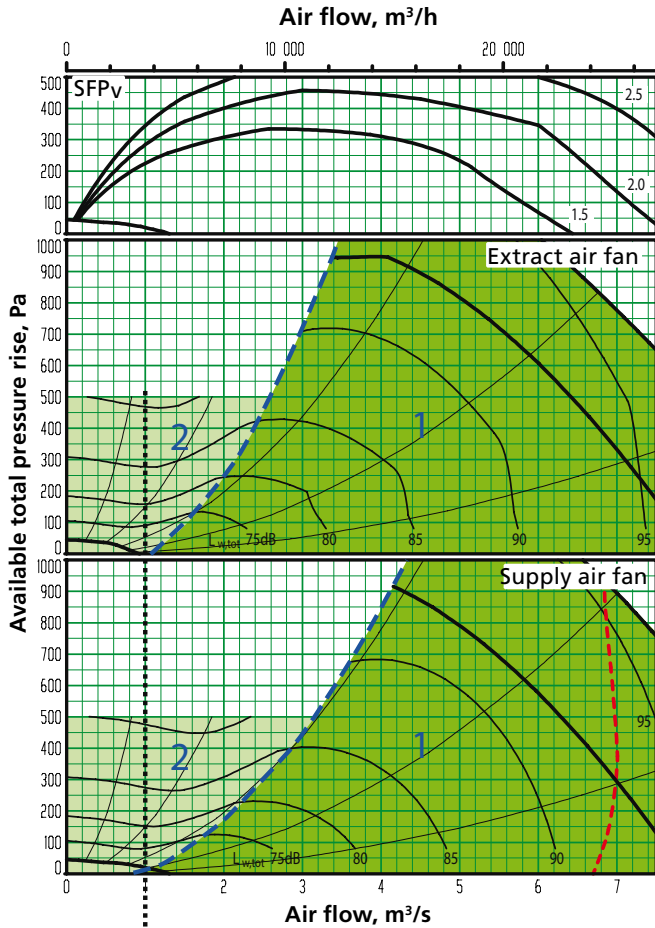
Motor, heat exchanger

220 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 070/080 Size 070 (Extract air fan size 080 can be selected, see the next page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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.

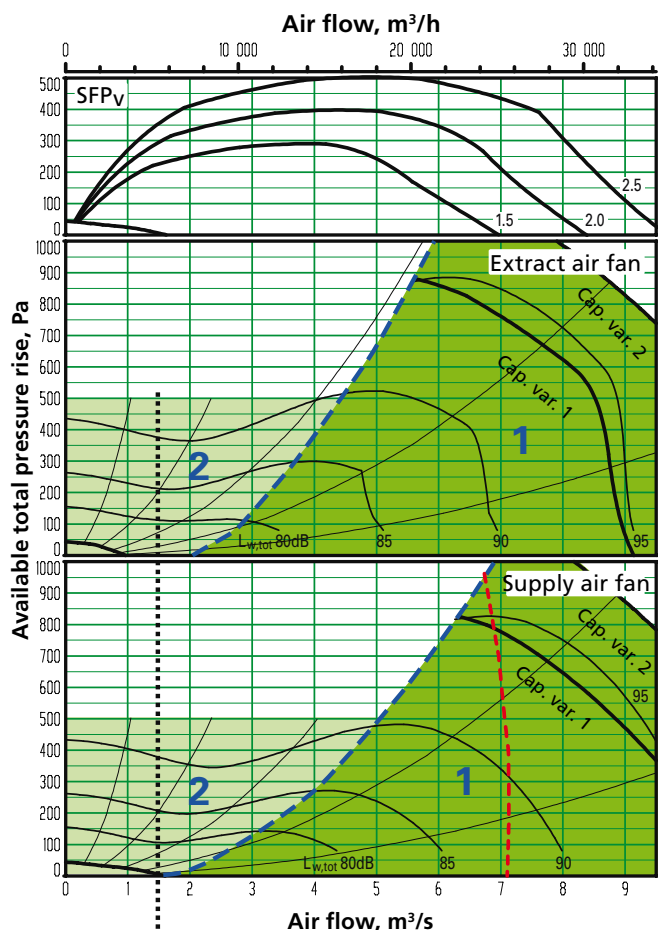
** Total sound power level emitted to the surroundings is calculated as the sum of the levels in the supply air and the extract air.

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 070/080

Size 080 (Extract air fan size 070 can be selected, see the previous page)

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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 070/080

Delivery and transport within the site

The SILVER C RX 070/080 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.

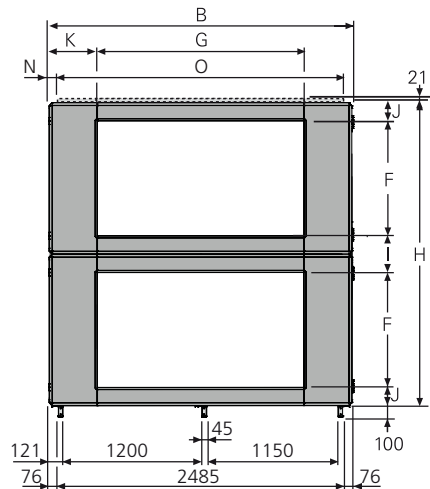
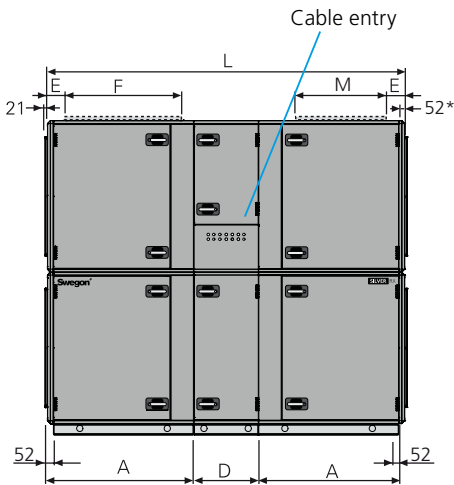
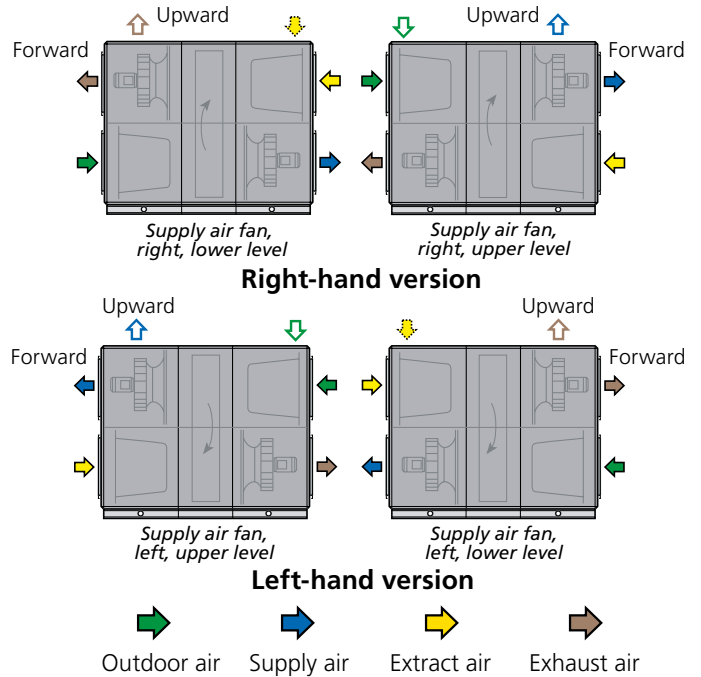
Duct connection options

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).

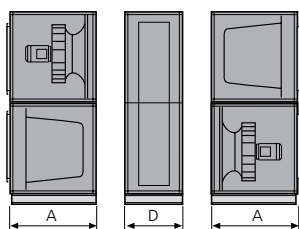
D: Specify whether the unit shall have an air intake from above for outdoor air or extract air when placing orders (Does not apply to units installed outdoors). N.B.! Duct connection size: 2,400 x 750 mm.



* 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).

Size	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Weight, kg
070/080	1273,5	2637	565	162	1000	1800	2640	320	160	418,5	3112	750	118,5	2400	2218-2649

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 = 786-956 kg, D = 646-737 kg.

Clear space for inspection

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

Rated data per fan

Size 070: 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
 Size 080: Motor shaft power: 2 x 6.5 kW alt. 2 x 10 kW*, motor control system: 3 x 400 V, 50 Hz, rated 11.5 A alt. 16 A
 * Two fans/motor control systems per airflow direction.

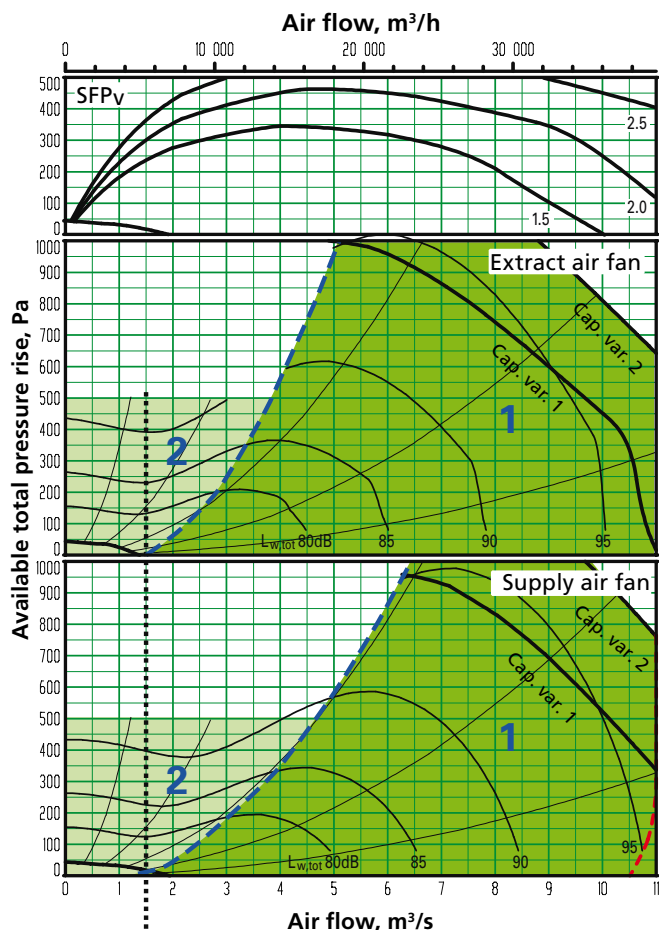
Motor, heat exchanger

Size 070: 220 W, 1 x 230 V, 50 Hz, max. perm. fuse prot. 10A
 Size 080: Standard, 220 W, 1 x 230 V, 50 Hz, max. perm. fuse prot.10A
 Sorption, 790 W, 1 x 230 V, 50 Hz, max. perm. fuse prot. 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 100

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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

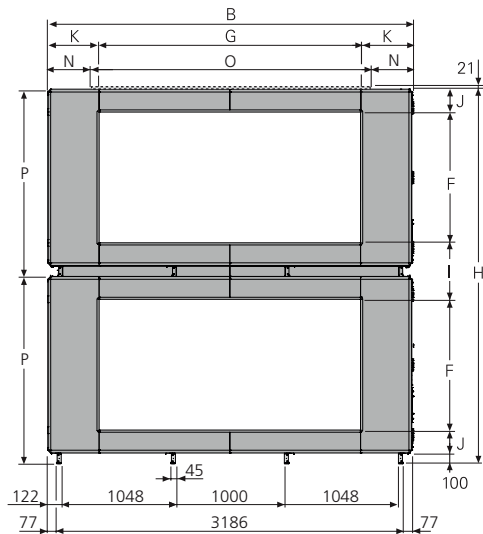
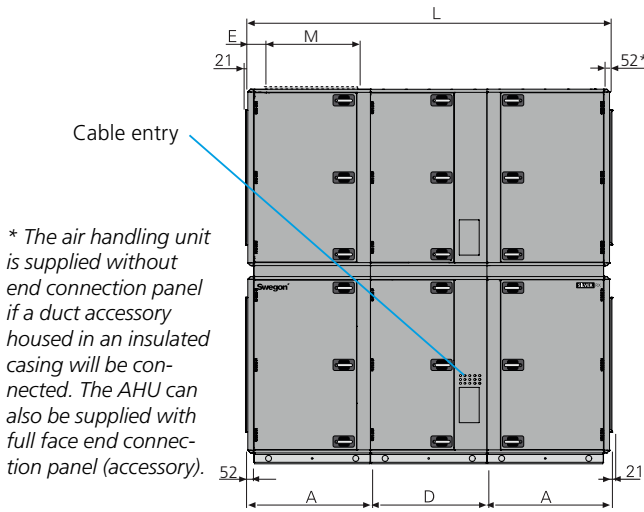
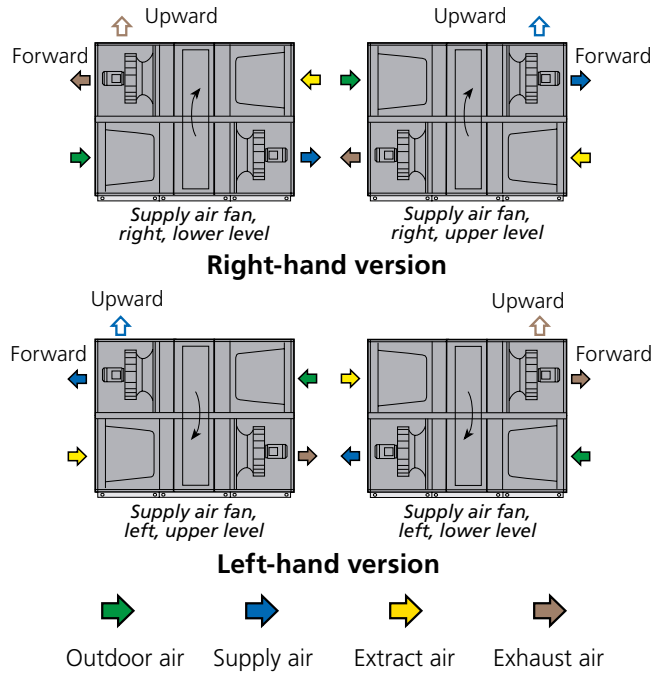
Delivery and transport within the site

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	1122	3340	1070	187	1200	2400	3440	520	210	470	3314	800	420	2500	1720	3324-3910

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 = 1232-1390 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 11.5 A alt. 16 A
* Two fans/motor control systems per airflow direction.

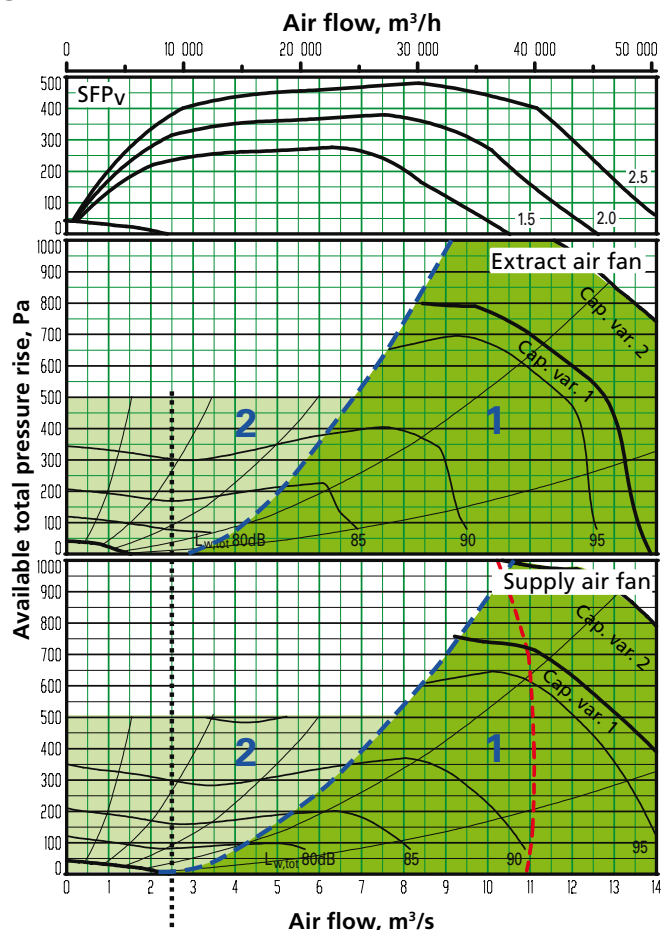
Motor, heat exchanger

790 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

Sizing, installation, dimensions and weights

SILVER C RX, rotary heat exchanger, size 120

STE



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	
	m ³ /h	m ³ /s	m ³ /h	m ³ /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

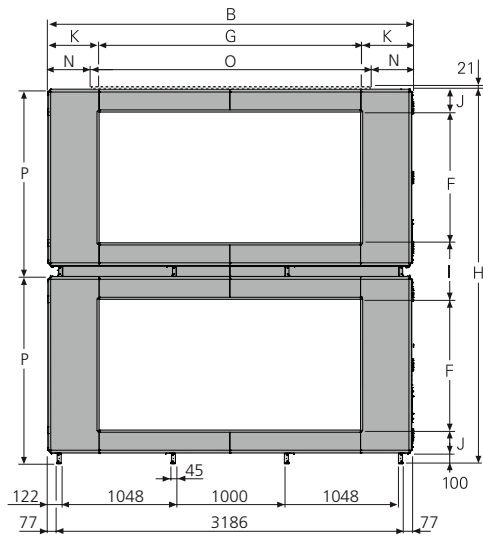
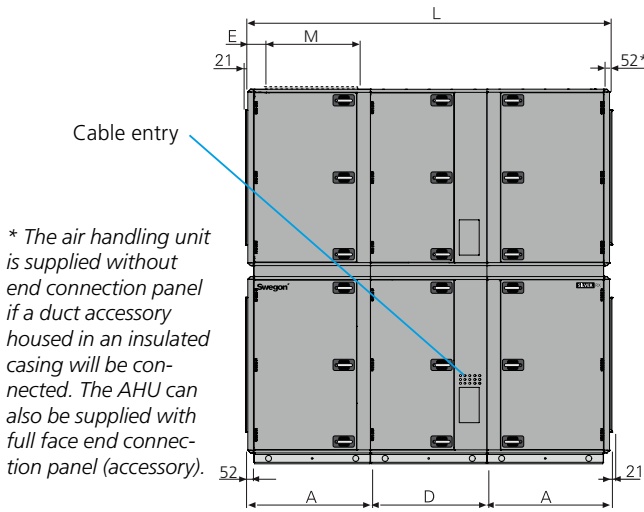
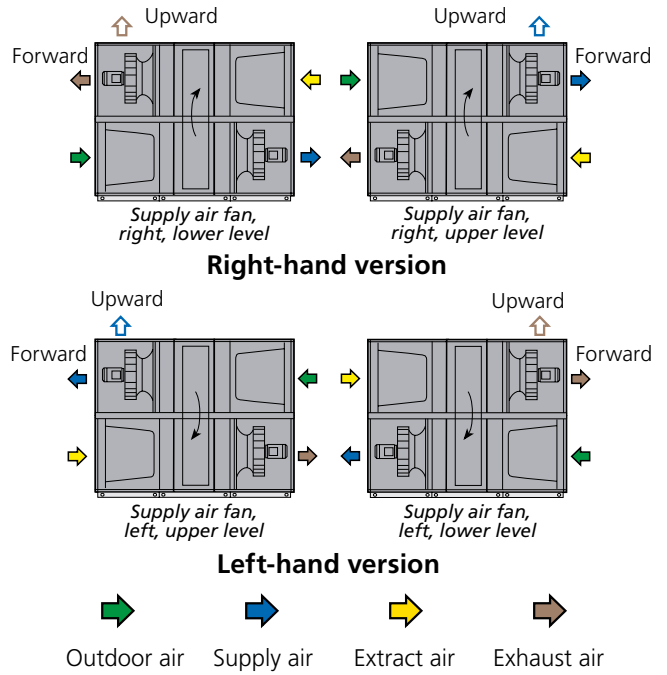
Delivery and transport within the site

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	1122	3340	1070	187	1200	2400	3440	520	210	470	3314	800	420	2500	1720	3524-4128

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 = 1232-1390 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 11.5 A alt. 16 A
* Three fans/motor control systems per airflow direction.

Motor, heat exchanger

790 W, 1 x 230 V, 50 Hz, max. perm. fuse protection: 10A

