

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 ProUnit air handling unit selection program.

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Sizing, Installation, Dimensions and Weights

Prerequisites for Sizing

Fan Charts

The SFP_V chart on the following pages indicates the fan-power efficiency rating of the air handling unit computed according to Swedish Ventilation guidelines (V Publication 1995:1, Revision 2000). The SFP_V should be calculated according to guidelines in the V Publication under clean filter load conditions.

GOLD RX/PX/CX

The SFP_V and Extract Air Fan Charts are computed on condition that the supply and extract air fans generate the same airflow and available total pressure rise. Consideration has been taken to leakage and purging air flows and extra pressure drop in the extract air required to ensure the correct leakage airflow direction under pressure conditions that conform to a normal installation under a specific available pressure conditions.

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

Available pressure rise, based on the design pressure drop across filters, is specified in all the charts.

The blue broken line defines range numbers (1,2,3,4) for details on correction factors K_{OK} in a specific table. Range 1 is most favourable from an acoustic point of view.

GOLD SD

The Fan Charts indicate the total pressure rise to cover possible internal total pressure losses for, e.g. filter, 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 total pressure loss for an optional filter (all sizes), coil heat exchanger and droplet eliminator (sizes 14-80) are specified in the lower chart.

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

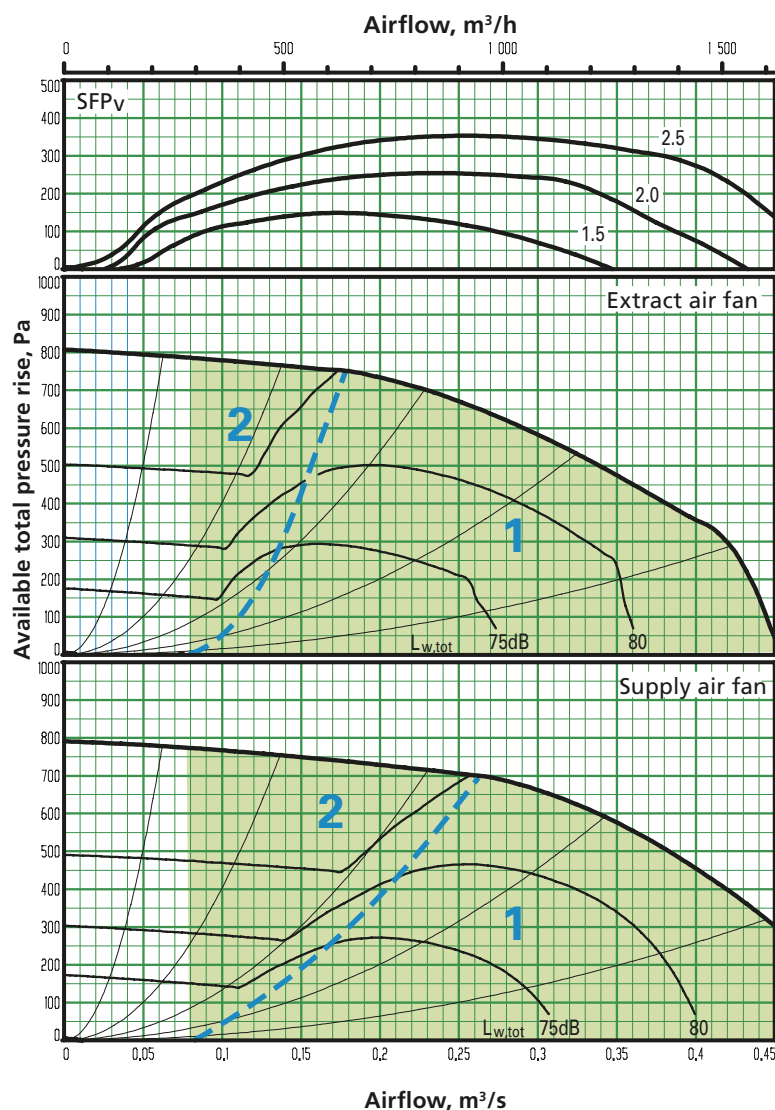
The sound emitted by Swegon products is measured according to the method defined in ISO 5136, the most widely used method in Europe. Acoustic measurements are sometimes taken using other methods.

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

K_{ok} can be obtained from the tables on the following pages.

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GOLD RX, rotary heat exchanger, size 04



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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 04	288	0,08	1620	0,45

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-12	-11	-8	0	-6	-16
	2	0	-5	-4	-13	-10	-5	-13	-25
To the inlet duct*	1	-5	-10	-17	-15	-28	-28	-32	-45
	2	-2	-4	-10	-19	-30	-33	-40	-46
To the AHU surroundings**	1	-14	-24	-35	-32	-41	-33	-40	-47
	2	-11	-19	-27	-34	-43	-38	-47	-56

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 04

Delivery and transport within the site

The GOLD RX 04 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Stand/Base

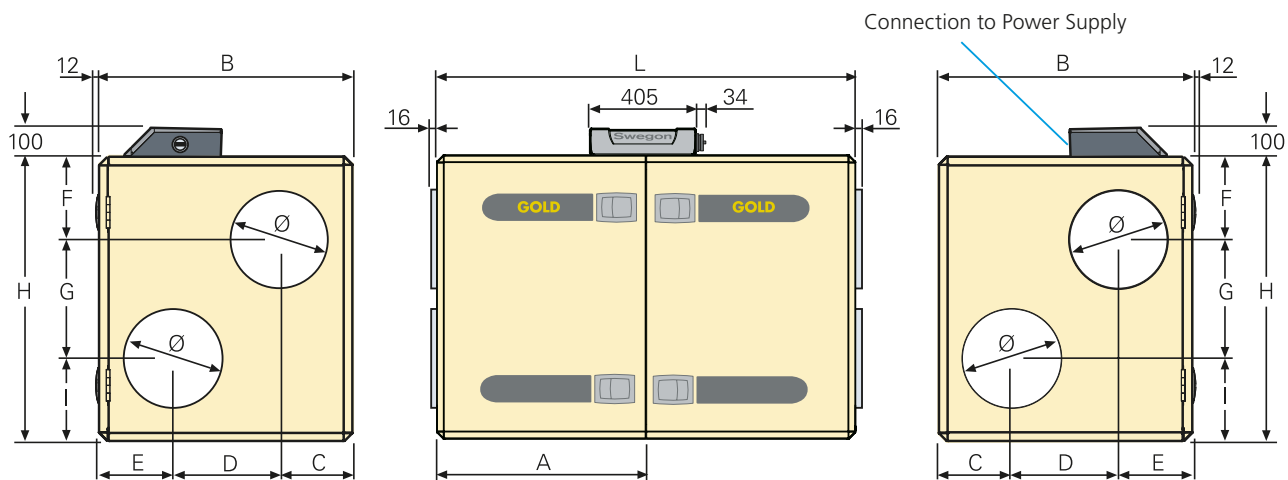
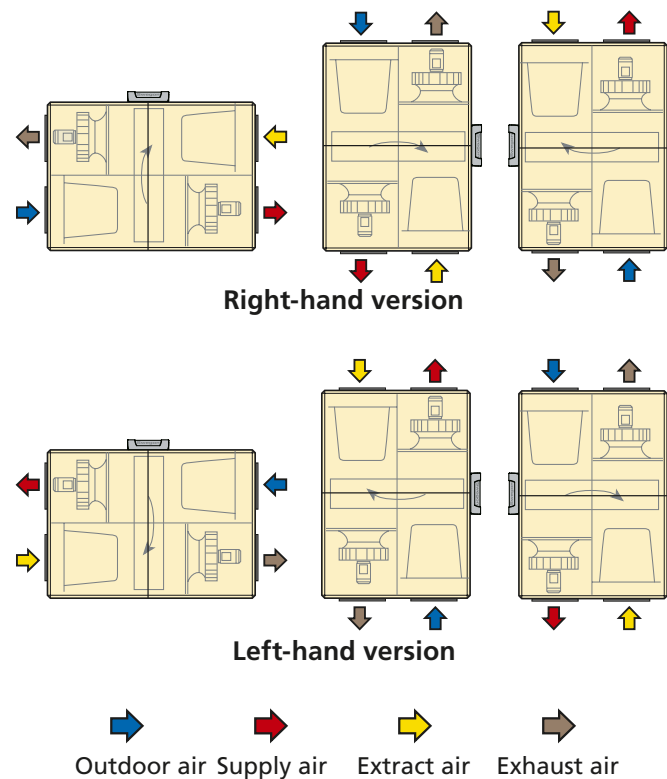
The design of the GOLD RX 04 makes it necessary to mount it on a stand or other form of base. Otherwise it will not be possible to open the inspection doors of the unit.

The stand is available as an accessory.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The air handling unit can be installed up ended.



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
04	750	820	236	345	239	268	385	920	267	1500	315	258

Clear space for inspection

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

Connection to Power Supply

GOLD 04: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A
or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
The air handling unit is internally wired for a single-phase, 230 V supply. Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply.

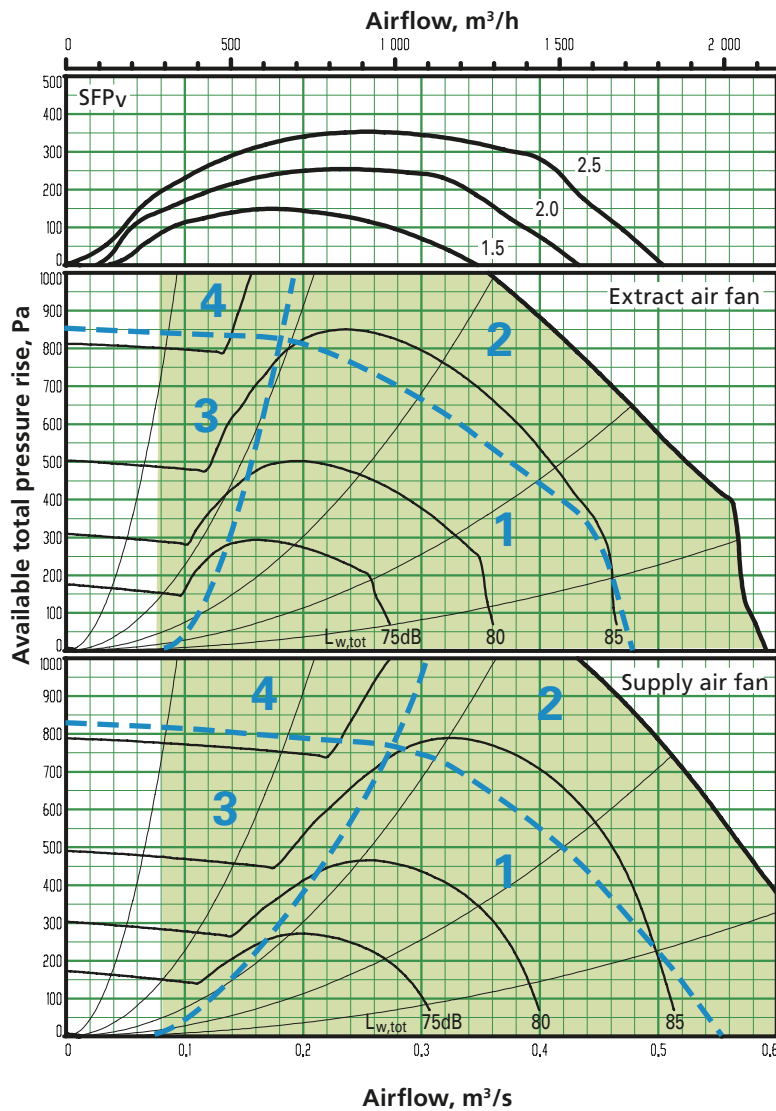
Rated data per fan

GOLD 04: 3 x 230 V, 50 Hz, 1.1 kW (0.55 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 05



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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	m³/s	Max. airflow m³/h	m³/s
GOLD 05	288	0,08	2230	0,62

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-3	-10	-12	-11	-8	0	-6	-16
	2	-5	-11	-10	-14	-5	-1	-7	-14
	3	0	-5	-4	-13	-10	-5	-13	-25
	4	11	-6	-5	-10	-7	-4	-10	-20
To the inlet duct*	1	-5	-10	-17	-15	-28	-28	-32	-45
	2	-9	-11	-18	-25	-26	-26	-32	-47
	3	-2	-4	-10	-19	-30	-33	-40	-46
	4	2	-8	-12	-18	-28	-32	-37	-48
To the AHU surroundings**	1	-14	-24	-35	-32	-41	-33	-40	-47
	2	-16	-25	-33	-35	-38	-34	-41	-45
	3	-11	-19	-27	-34	-43	-38	-47	-56
	4	0	-20	-28	-31	-40	-37	-44	-51

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 05

Delivery and transport within the site

The GOLD RX 05 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Stand/Base

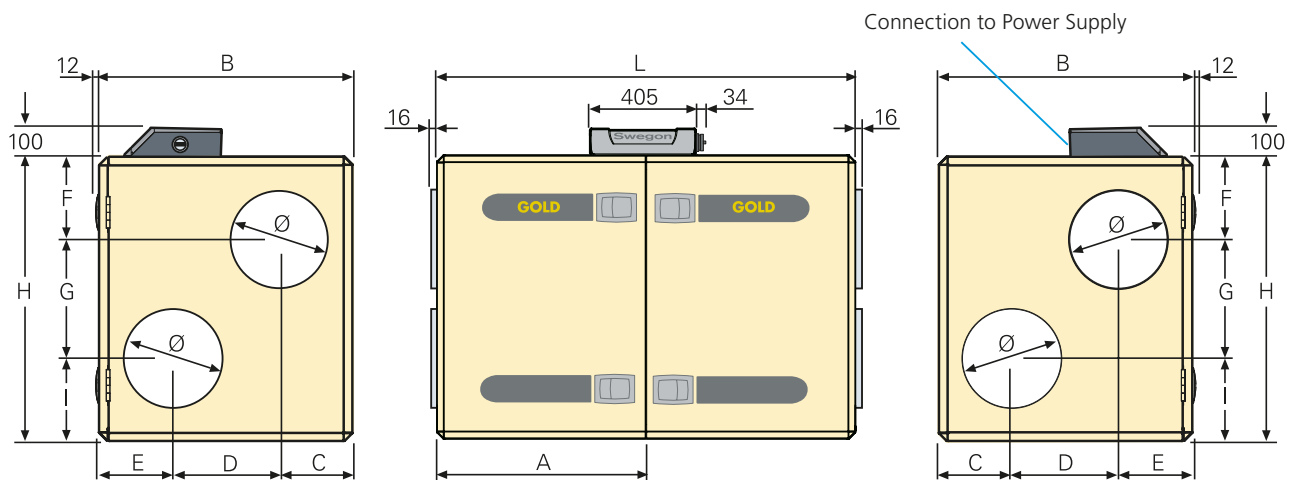
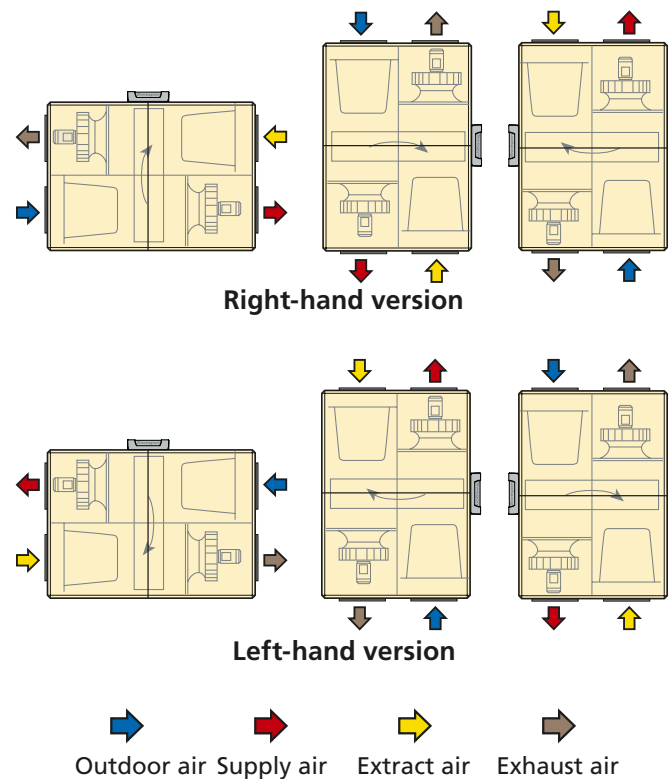
The design of the GOLD RX 05 makes it necessary to mount it on a stand or other form of base. Otherwise it will not be possible to open the inspection doors of the unit.

The stand is available as an accessory.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The air handling unit can be installed up ended.



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
05	750	820	236	345	239	268	385	920	267	1500	315	258

Clear space for inspection

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

Connection to Power Supply

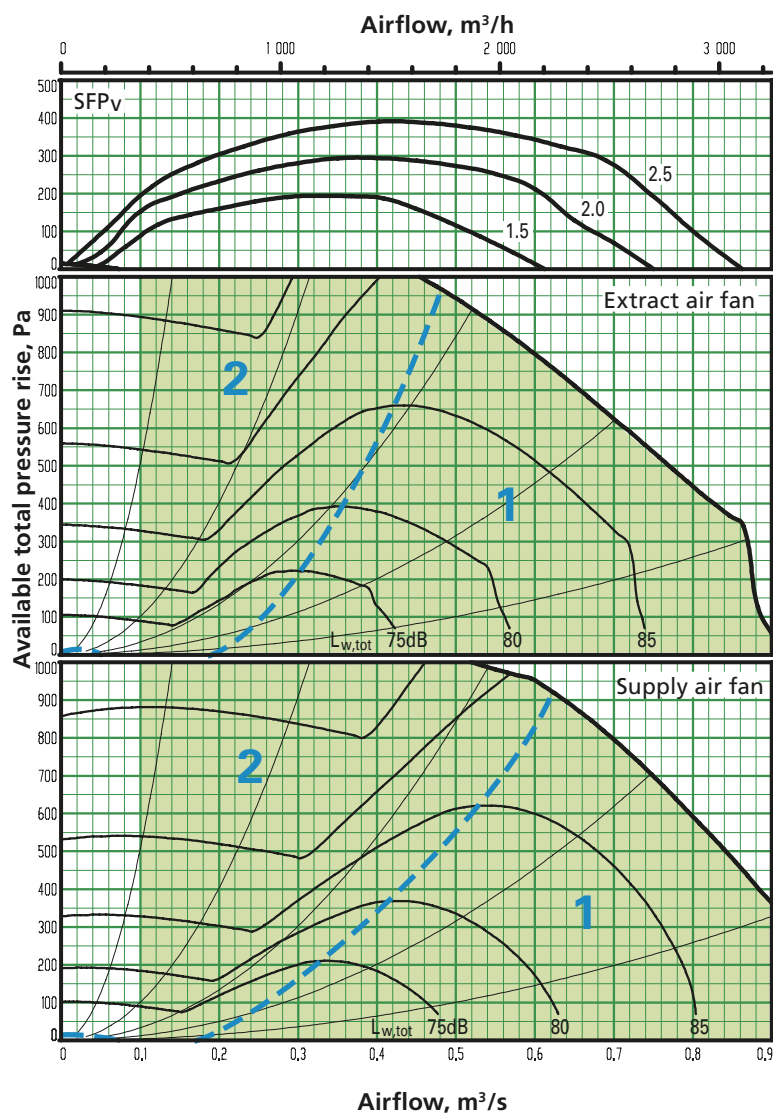
GOLD 05: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 16 A
 or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
The air handling unit is internally wired for a single-phase, 230 V supply. Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply.

Rated data per fan

GOLD 05: 3 x 230 V, 50 Hz, 1.1 kW

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 08



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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 08	360	0,10	3240	0,90

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-4	-6	-10	-12	-11	-15	-27
	2	2	-4	-8	-9	-11	-9	-12	-24
To the inlet duct*	1	-2	-3	-9	-14	-27	-31	-38	-46
	2	-2	-4	-10	-15	-30	-31	-36	-34
To the AHU surroundings**	1	-10	-18	-29	-31	-45	-44	-49	-58
	2	-9	-18	-31	-30	-44	-42	-46	-55

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 08

Delivery and transport within the site

The GOLD RX 08 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit. The air handling unit is supplied on a wooden pallet.

Stand/Base

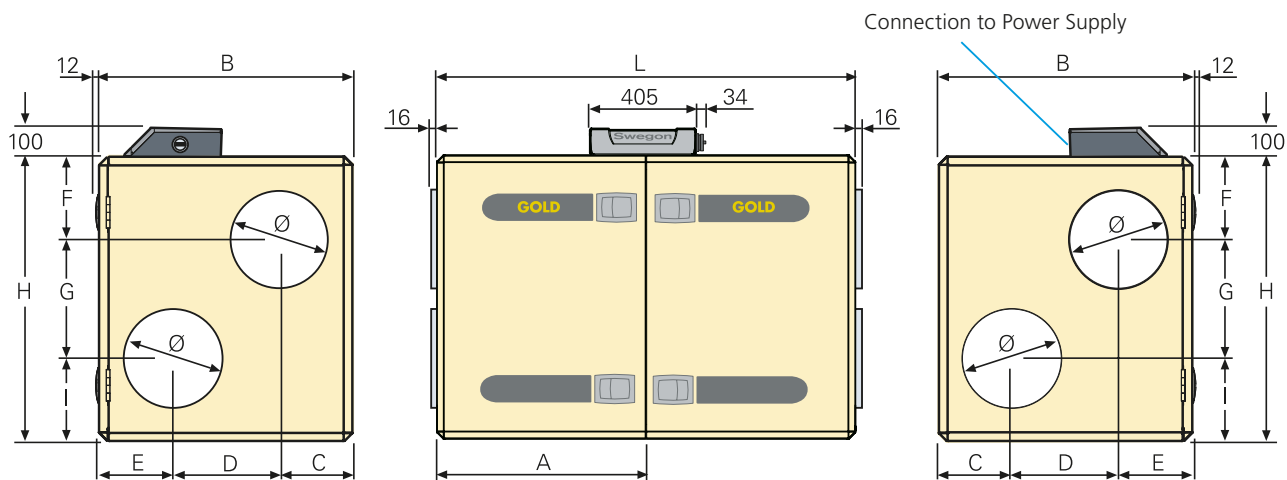
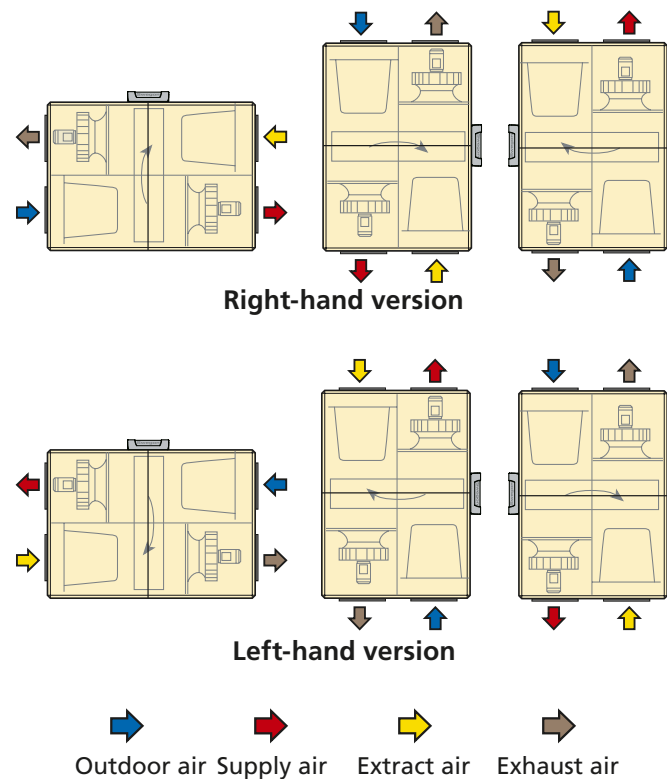
The design of the GOLD RX 08 makes it necessary to mount it on a stand or other form of base. Otherwise it will not be possible to open the inspection doors of the unit.

The stand is available as an accessory.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The air handling unit can be installed up ended.



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
08	800	990	274	440	276	293	500	1085	292	1600	400	313

Clear space for inspection

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

Connection to Power Supply

GOLD 08: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 20 A
 or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
 The air handling unit is internally wired for a single-phase, 230 V supply. Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply.

Rated data per fan

GOLD 08: 3 x 230 V, 50 Hz, 1.4 kW

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 12



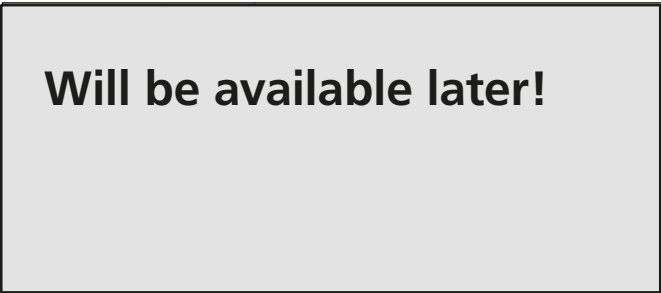
The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 12	720	0,20	4680	1,30

Correction factors K_{OK} , dB



* Includes the integral attenuation of filters and the rotary heat exchanger.
** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 12

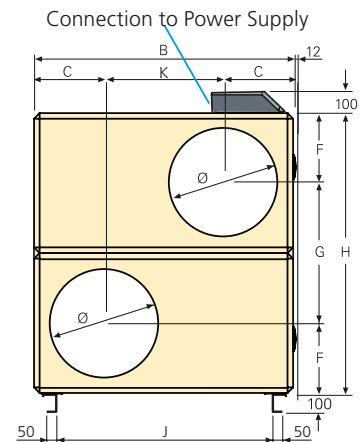
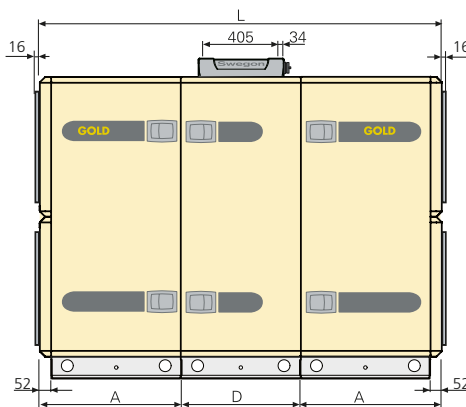
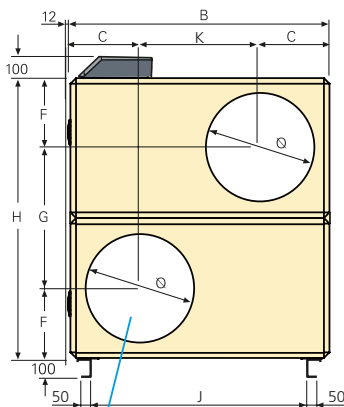
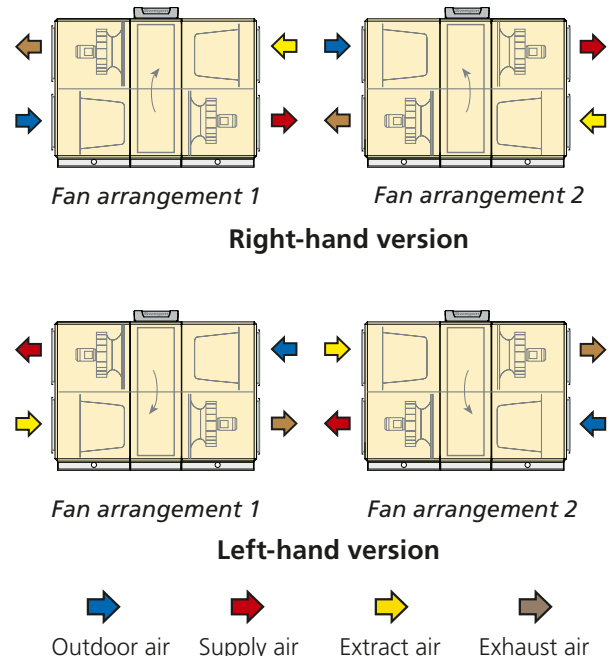
Delivery and transport within the site

The GOLD RX 12 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

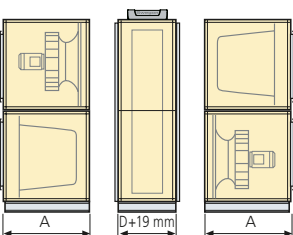
B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!



The dimension print shows the connection configuration for fan arrangement 1. For fan arrangement 2 the connections are mirror-inverted.

Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
12	655	1199	324	550	324	647	1295	935	551	1860	500	518

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 14:
A = 132 kg, D = 155 kg.

Clear space for inspection

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

Connection to Power Supply

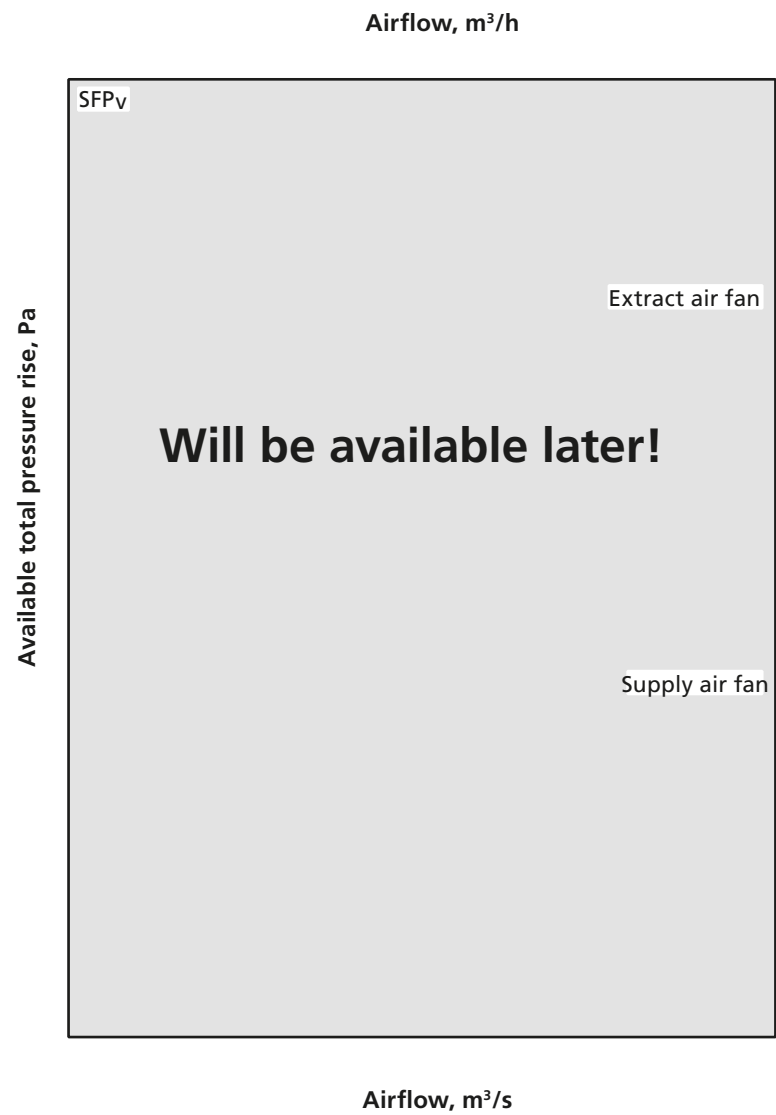
GOLD 12: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 12: Motor shaft power: 1.6 kW, motorized control: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD RX Top, rotary heat exchanger, size 12



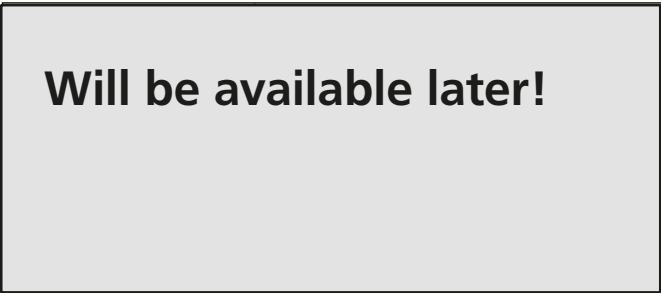
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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 12	720	0,20	4680	1,30

Correction factors K_{OK} , dB



* Includes the integral attenuation of filters and the rotary heat exchanger.
** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX Top, rotary heat exchanger, size 12

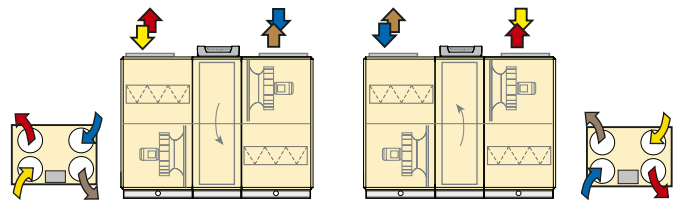
Delivery and transport within the site

The GOLD RX 12 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The air handling unit is delivered on wooden beams.

Installation/duct connection options

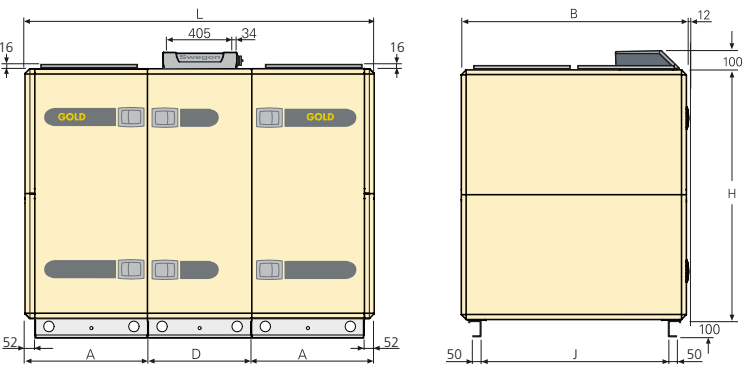
A: The COMPACT Top unit is produced in one variant in which all the components are arranged at their given physical location inside the unit. All the duct connections are arranged from the top of the air handling unit.

B: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

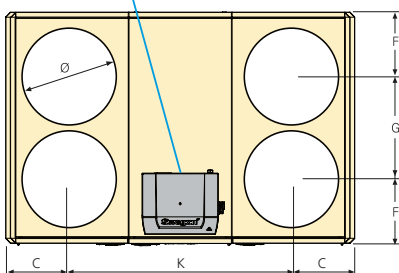


Left-hand version

Right-hand version

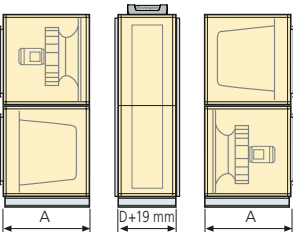


Connection to Power Supply



Size	A	B	C	D	F	G	H	J	K	L	Ø	Weight, kg
Top 12	655	1199	332	550	333	533	1295	935	1196	1860	500	504

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 14:
A = 125 kg, D = 155 kg.

Clear space for inspection

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

Connection to Power Supply

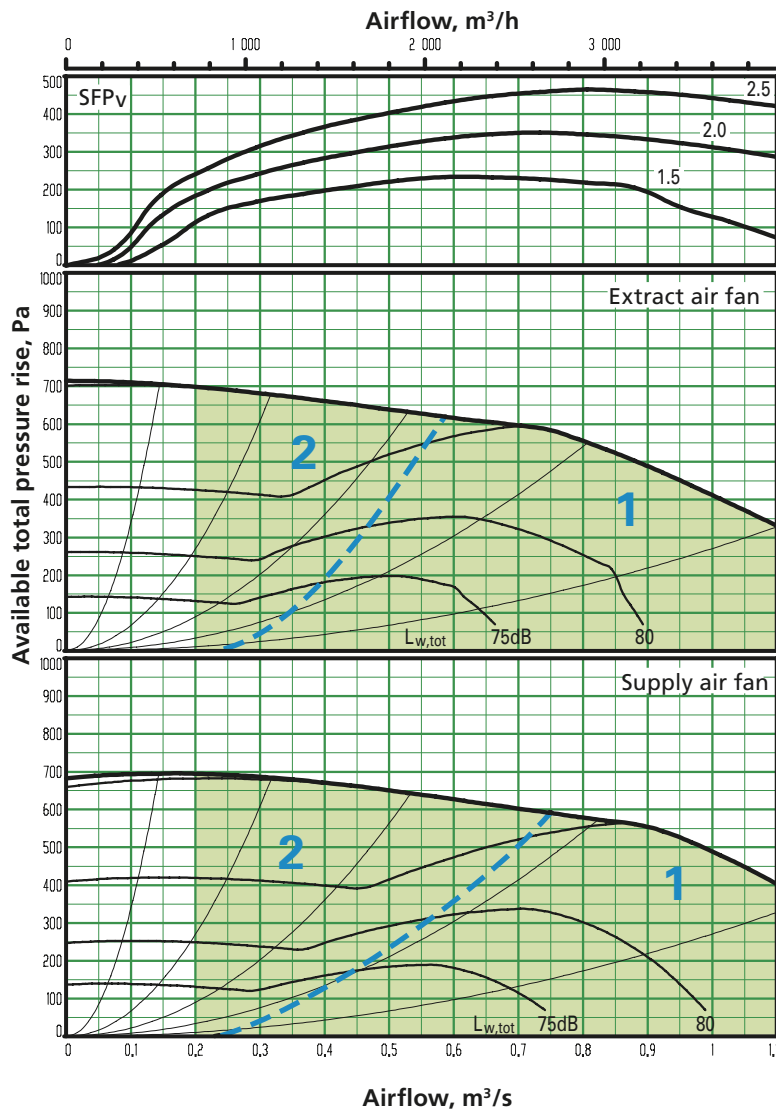
GOLD 12: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 12: Motor shaft power: 1.6 kW, motorized control: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 14



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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 14	720	0,20	3960	1,10

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-12	-14	-3	-6	-9	-7	-1
	2	1	-8	-9	-5	-6	-8	-9	-19
To the inlet duct*	1	-8	-14	-23	-14	-31	-31	-38	-31
	2	-3	-5	-12	-14	-30	-31	-36	-33
To the AHU surroundings**	1	-14	-26	-37	-24	-39	-42	-41	-46
	2	-10	-22	-32	-26	-39	-41	-43	-50

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 14

Delivery and transport within the site

The GOLD RX 14 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

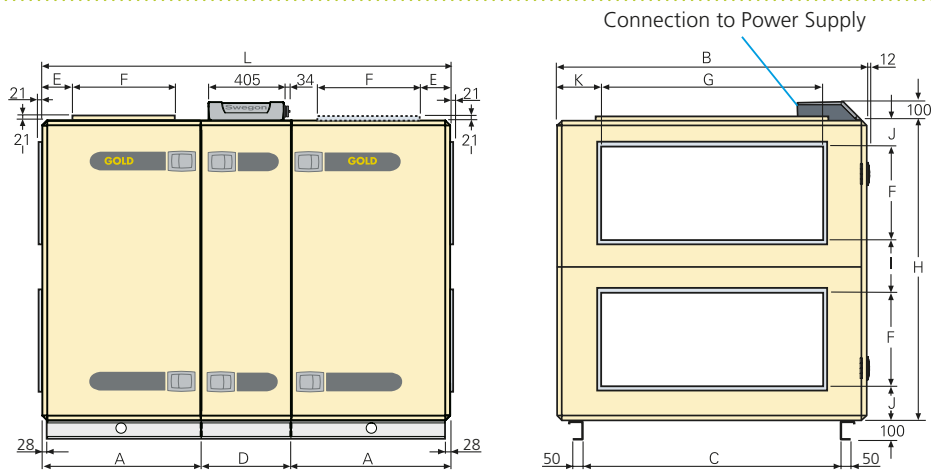
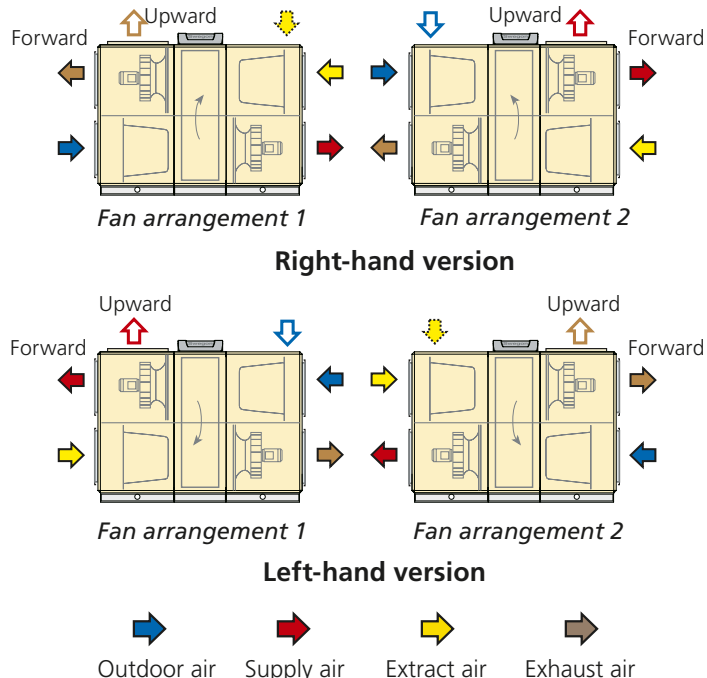
Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

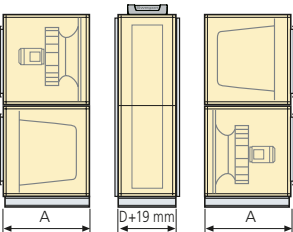
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.

D: Specify when ordering whether the unit shall have an air intake from above for outdoor air or extract air.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
14	765	1295	1036	550	196	400	1000	1295	252	122	146	2080	634

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 14:
A = 235 kg, D = 164 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 14: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

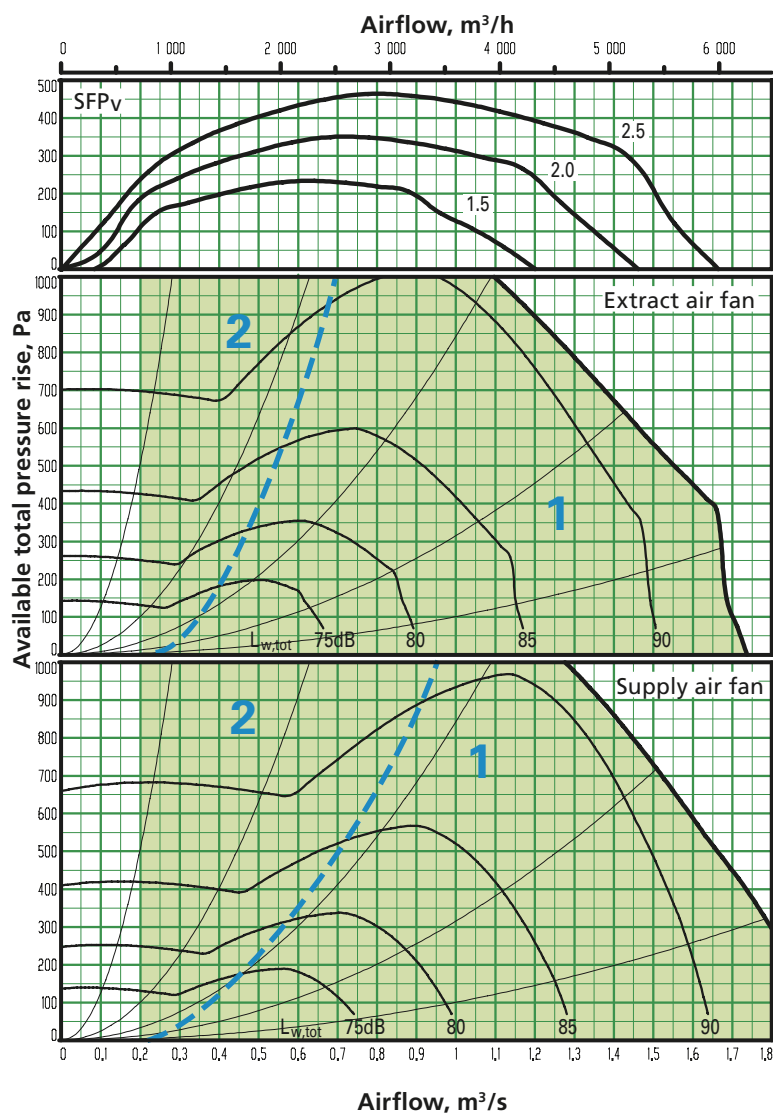
Rated data per fan

GOLD 14: 3 x 400 V, 50 Hz, 3.0 kW (1.2 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 20



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Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 20	720	0,20	6480	1,80

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-3	-12	-14	-3	-6	-9	-7	-15
	2	1	-8	-9	-5	-6	-8	-9	-19
To the inlet duct*	1	-8	-14	-23	-14	-31	-31	-38	-31
	2	-3	-5	-12	-14	-30	-31	-36	-33
To the AHU surroundings**	1	-14	-26	-37	-24	-39	-42	-41	-46
	2	-10	-22	-32	-26	-39	-41	-43	-50

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 20

Delivery and transport within the site

The GOLD RX 20 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

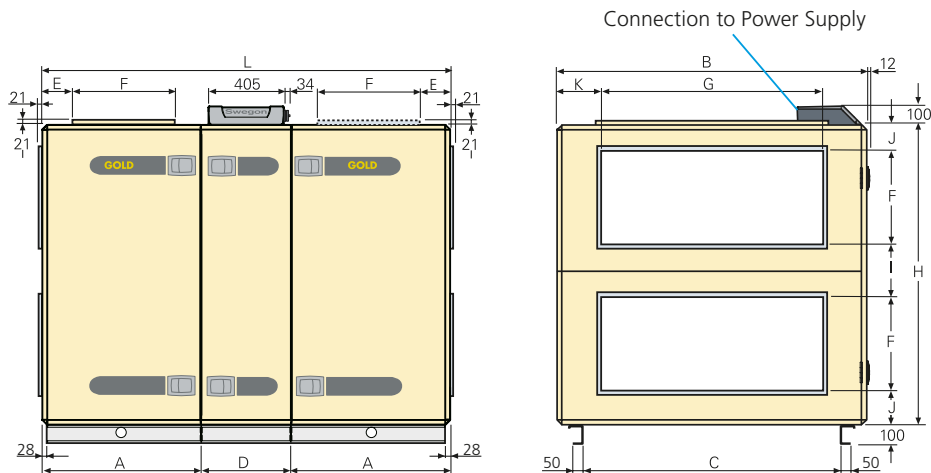
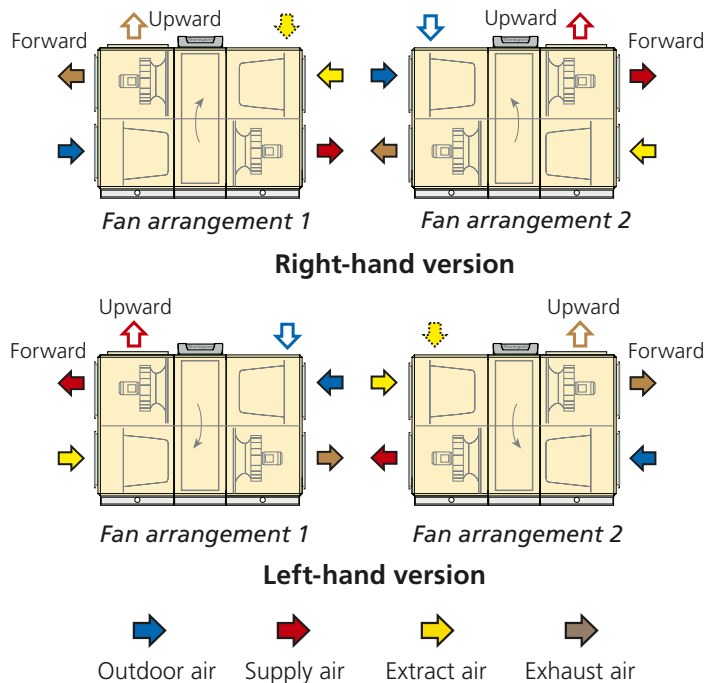
Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

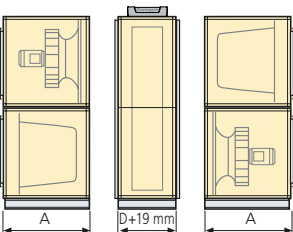
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.

D: Specify when ordering whether the unit shall have an air intake from above for outdoor air or extract air.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
20	765	1295	1036	550	196	400	1000	1295	252	122	146	2080	634

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 20:
A = 235 kg, D = 164 kg.

Clear space for inspection

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

Connection to Power Supply

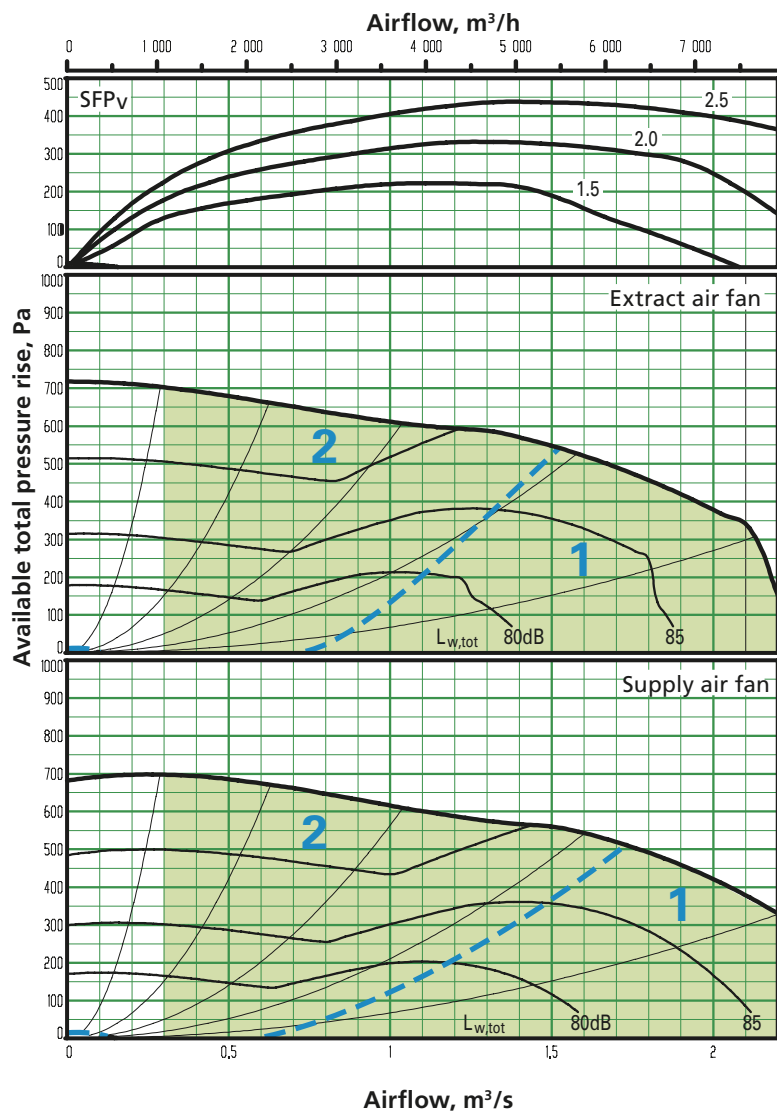
GOLD 20: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

Rated data per fan

GOLD 20: 3 x 400 V, 50 Hz, 3.0 kW

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 25



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 25	1080	0,30	7920	2,20

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-15	-7	-7	-6	-7	-7	-22
	2	1	-6	-6	-6	-6	-8	-13	-21
To the inlet duct*	1	-10	-14	-14	-19	-28	-28	-33	-33
	2	-5	-9	-14	-27	-30	-32	-33	-32
To the AHU surroundings**	1	-19	-29	-30	-28	-39	-40	-41	-53
	2	-10	-20	-29	-27	-39	-41	-47	-52

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

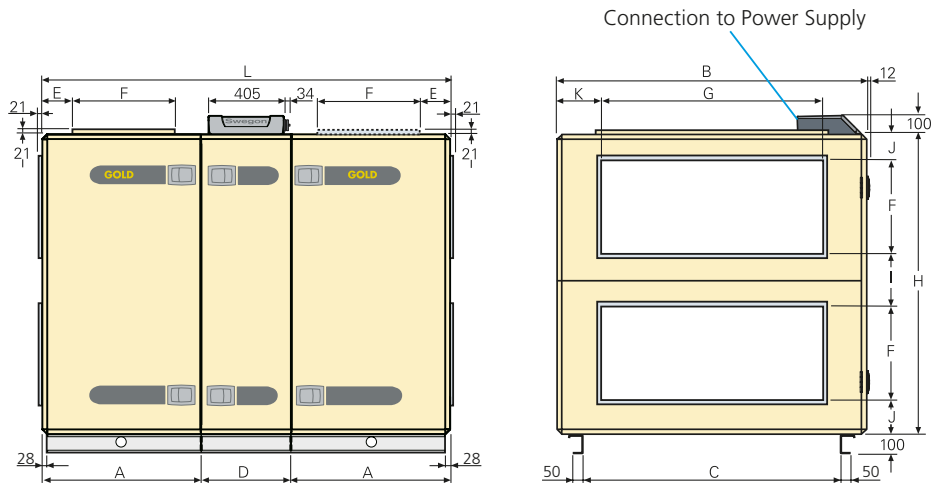
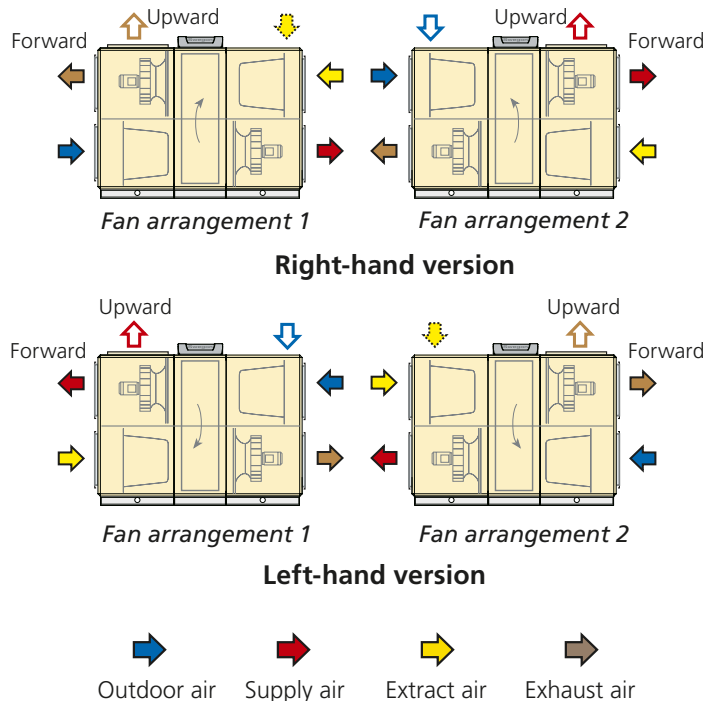
GOLD RX, rotary heat exchanger, size 25

Delivery and transport within the site

The GOLD RX 25 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The air handling unit is delivered on wooden beams.

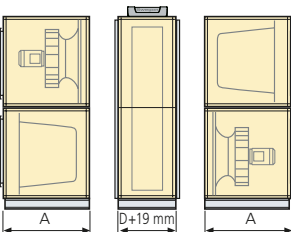
Installation/duct connection options

- A:** The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.
- B:** The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!
- C:** The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.
- D:** Specify when ordering whether the unit shall have an air intake from above for outdoor air or extract air.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
25	835	1595	1336	550	180	500	1200	1596	300	148	194	2220	836

Division into sections for transport within the site



The unit can be divided into three sections at the building site. **Dimensions:** See A and D in the table above. **Weight, size 25:** A = 310 kg, D = 216 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 25: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

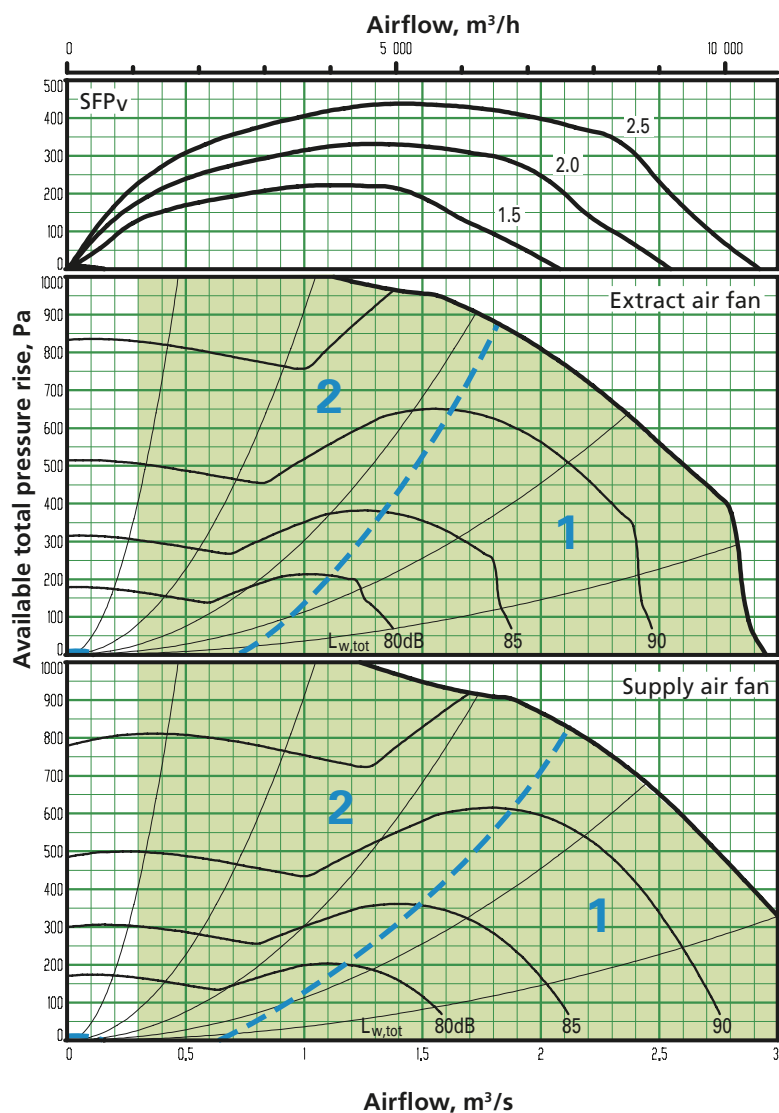
Rated data per fan

GOLD 25: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 30



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h m³/s	Max. airflow m³/h m³/s
GOLD 30	1080 0,30	10800 3,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-8 1	-15 -6	-7 -6	-7 -6	-6 -6	-7 -8	-7 -13	-22 -21
To the inlet duct*	1 2	-10 -5	-14 -9	-14 -14	-19 -27	-28 -30	-28 -32	-33 -33	-33 -32
To the AHU surroundings**	1 2	-19 -10	-29 -20	-30 -29	-28 -27	-39 -39	-40 -41	-41 -47	-53 -52

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 30

Delivery and transport within the site

The GOLD RX 30 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

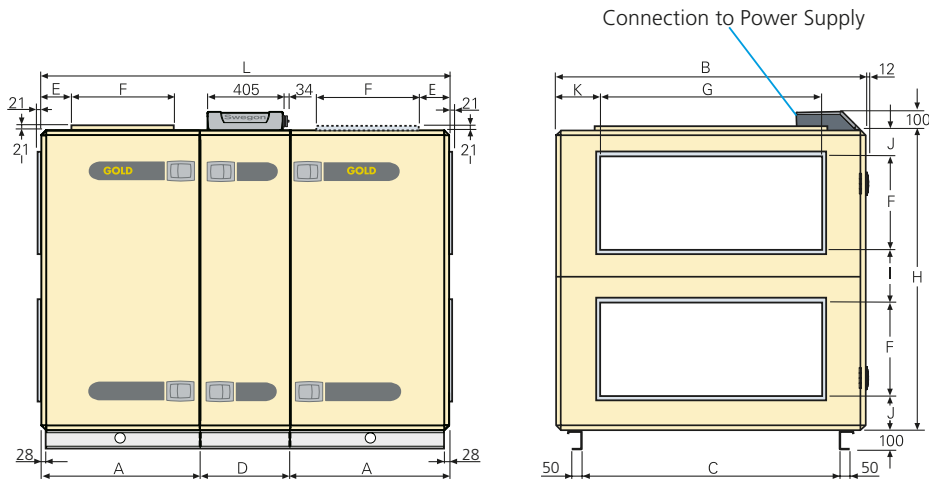
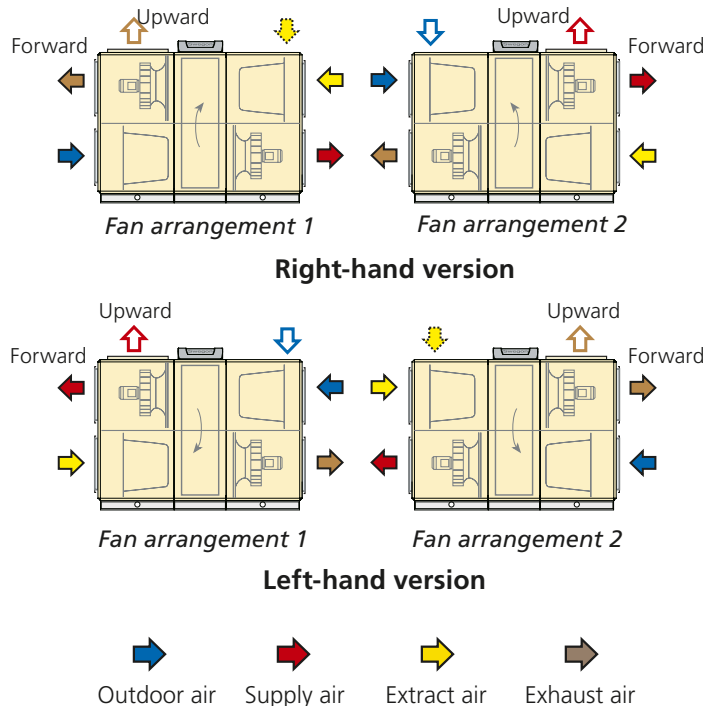
Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

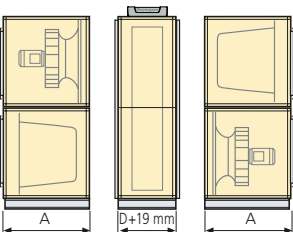
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.

D: Specify when ordering whether the unit shall have an air intake from above for outdoor air or extract air.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
30	835	1595	1336	550	180	500	1200	1596	300	148	194	2220	836

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 30:
A = 310 kg, D = 216 kg.

Clear space for inspection

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

Connection to Power Supply

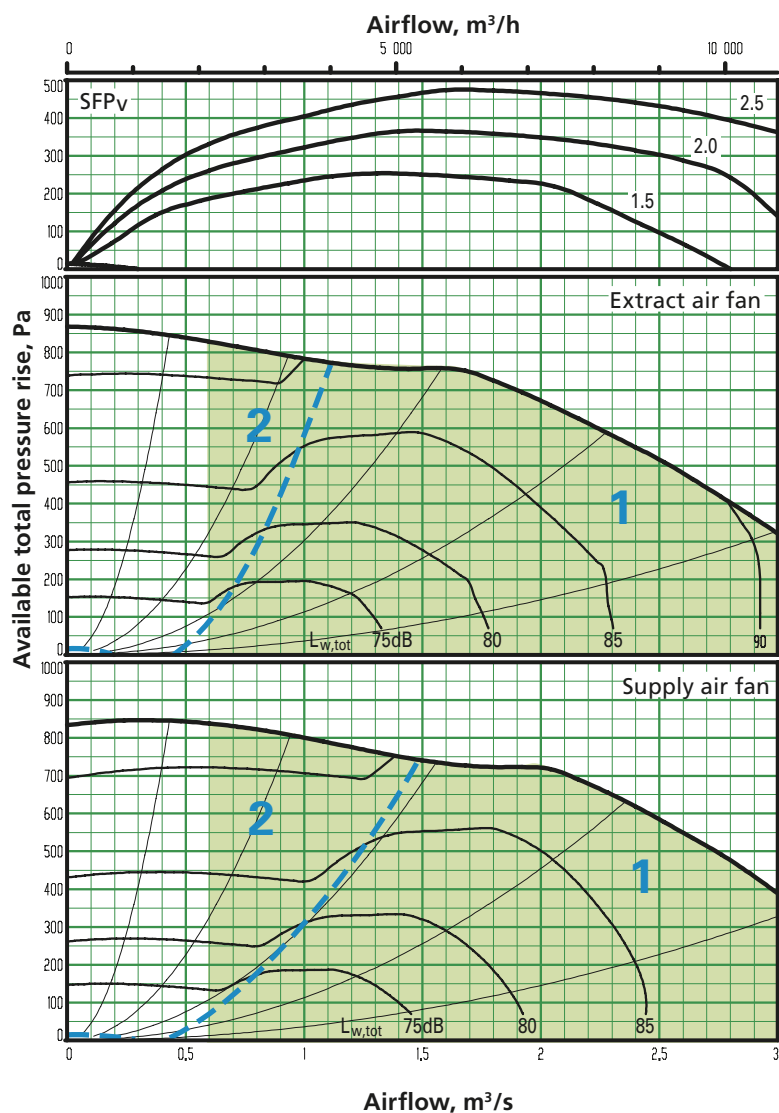
GOLD 30: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 20 A

Rated data per fan

GOLD 30: 3 x 400 V, 50 Hz, 4.6 kW

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 35



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 35	2160	0,60	11160	3,10

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-6	-15	-7	-6	-5	-7	-7	-20
	2	1	-9	-5	-4	-5	-8	-12	-25
To the inlet duct*	1	-10	-16	-15	-21	-31	-29	-38	-43
	2	-1	-3	-13	-28	-29	-32	-37	-36
To the AHU surroundings**	1	-17	-29	-30	-27	-38	-40	-41	-51
	2	-10	-23	-28	-25	-38	-41	-46	-56

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 35

Delivery and transport within the site

The GOLD RX 35 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

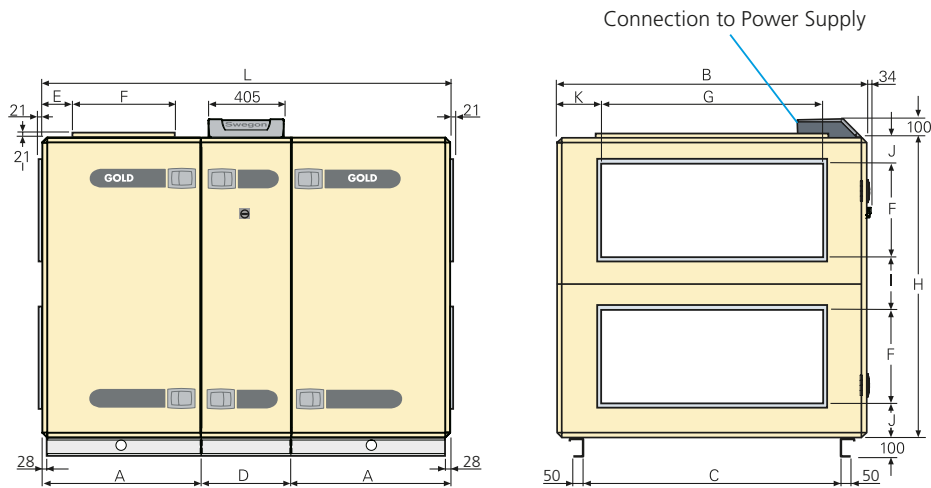
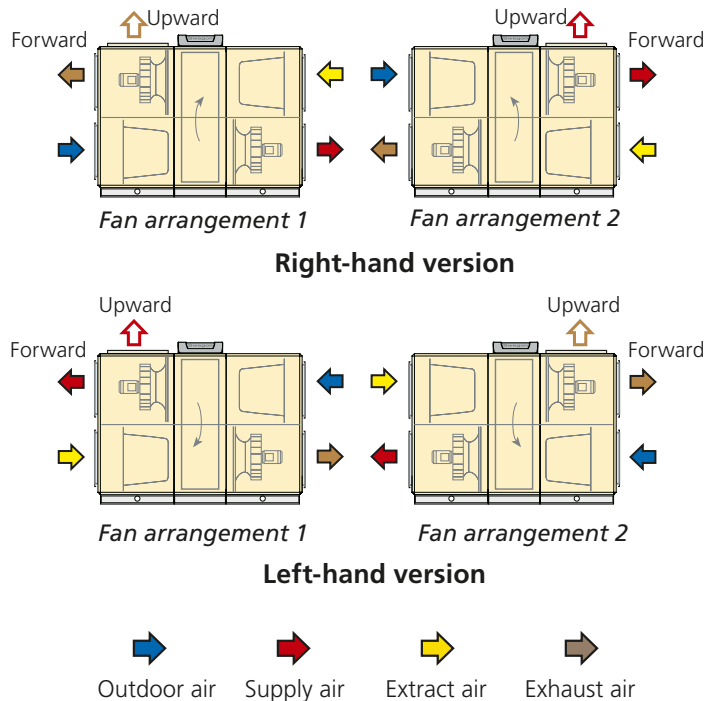
The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

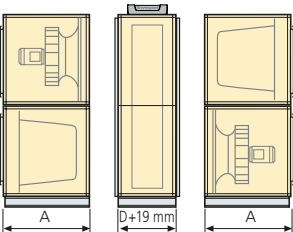
B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be be used for discharging air both forward and upward.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
35	875	1885	1626	550	125	600	1400	1885	300	192	242	2300	1100

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 35:
A = 405 kg, D = 290 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 35: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

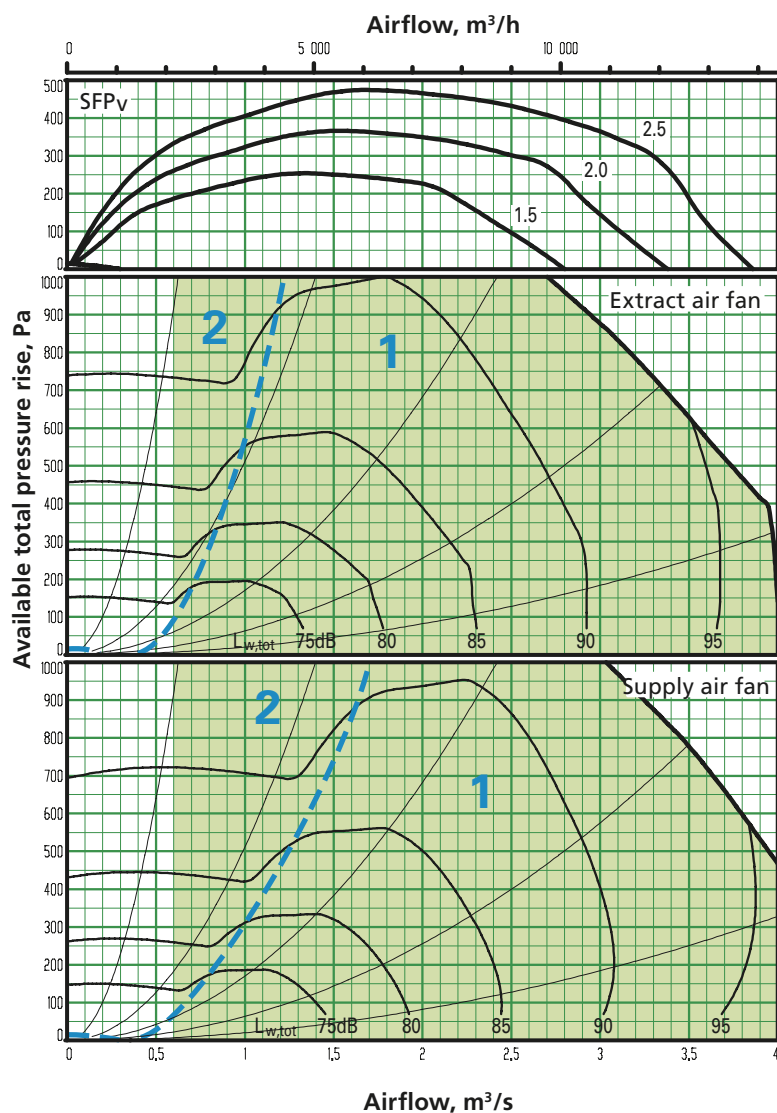
Rated data per fan

GOLD 35: 3 x 400 V, 50 Hz, 6.5 kW (3.1 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 40



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 40	2160	0,60	14760	4,10

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-6	-15	-7	-6	-5	-7	-7	-20
	2	1	-9	-5	-4	-5	-8	-12	-25
To the inlet duct*	1	-10	-16	-15	-21	-31	-29	-38	-43
	2	-1	-3	-13	-28	-29	-32	-37	-36
To the AHU surroundings**	1	-17	-29	-30	-27	-38	-40	-41	-51
	2	-10	-23	-28	-25	-38	-41	-46	-56

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 40

Delivery and transport within the site

The GOLD RX 40 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

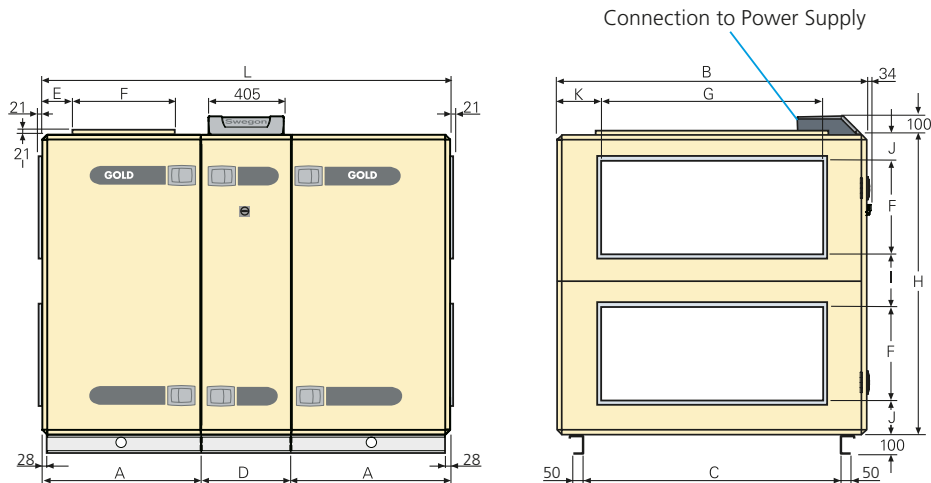
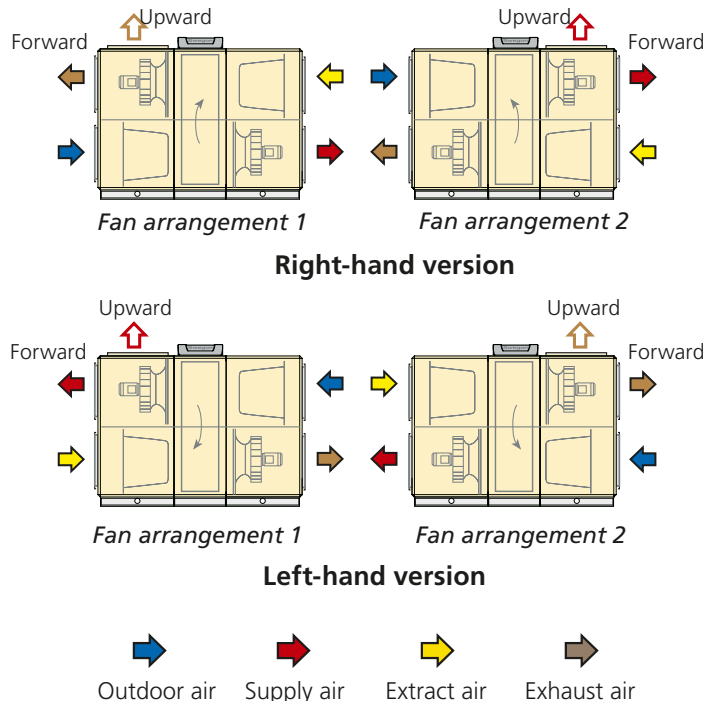
The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: The air handling unit is supplied in a right-hand version. The unit can be changed to the left-hand version at the building site by a simple modification in the control equipment.

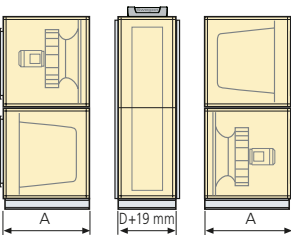
B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Size	A	B	C	D	E	F	G	H	I	J	K	L	Weight, kg
40	875	1885	1626	550	125	600	1400	1885	300	192	242	2300	1100

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 40:
A = 405 kg, D = 290 kg.

Clear space for inspection

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

Connection to Power Supply

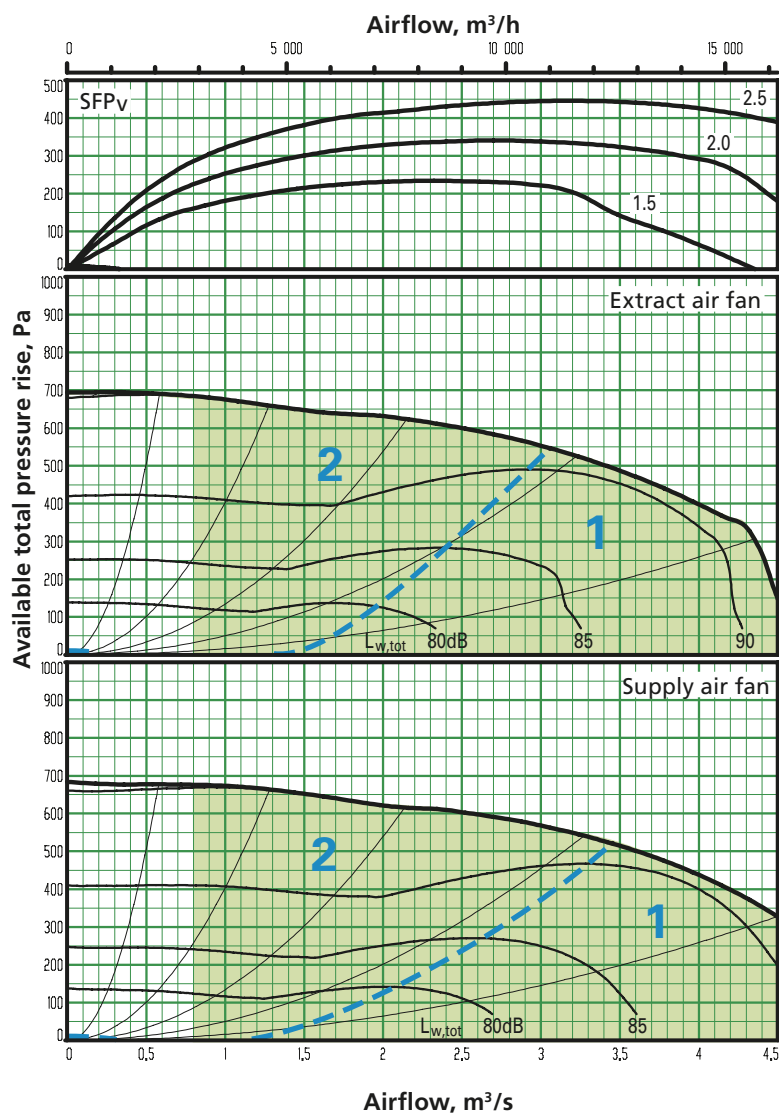
GOLD 40: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 32 A

Rated data per fan

GOLD 40: 3 x 400 V, 50 Hz, 6.5 kW

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 50



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 50	2880	0,80	16560	4,60

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-12 -5	-17 -8	-12 -9	-7 -7	-6 -6	-6 -7	-7 -11	-21 -23
To the inlet duct*	1 2	-16 -6	-18 -8	-14 -11	-12 -19	-31 -28	-26 -27	-38 -37	-43 -36
To the AHU surroundings**	1 2	-23 -16	-31 -22	-35 -32	-28 -28	-39 -39	-39 -40	-41 -45	-52 -54

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 50

Delivery and transport within the site

The GOLD RX 50 is always supplied as one complete unit.

The air handling unit can be split into three sections to facilitate transporting it within the building site.

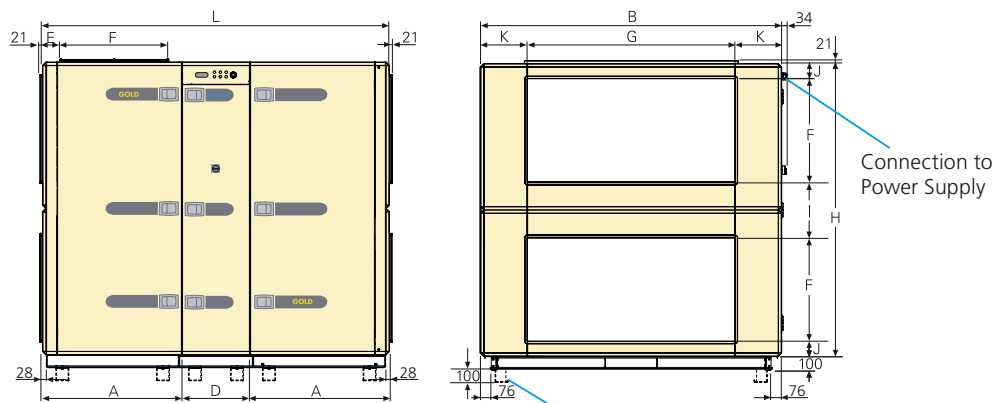
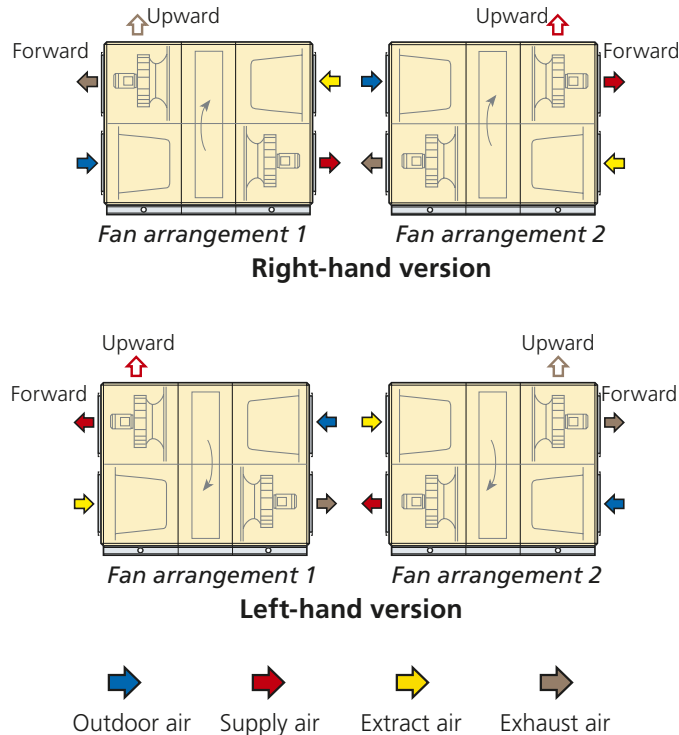
The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The unit is delivered on 100 mm high support feet made of steel. Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

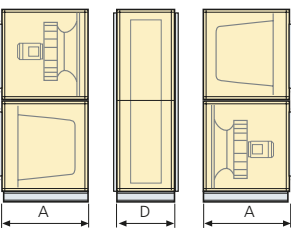
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. The unit has provision for fitting the adjustable support feet.

Size	A	B	D	E	F	G	H	I	J	K	L	Weight, kg
50	1050	2318	570	150	800	1600	2253	423	115	360	2670	1690

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 50:
A = 638 kg, D = 414 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 50: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 25 A

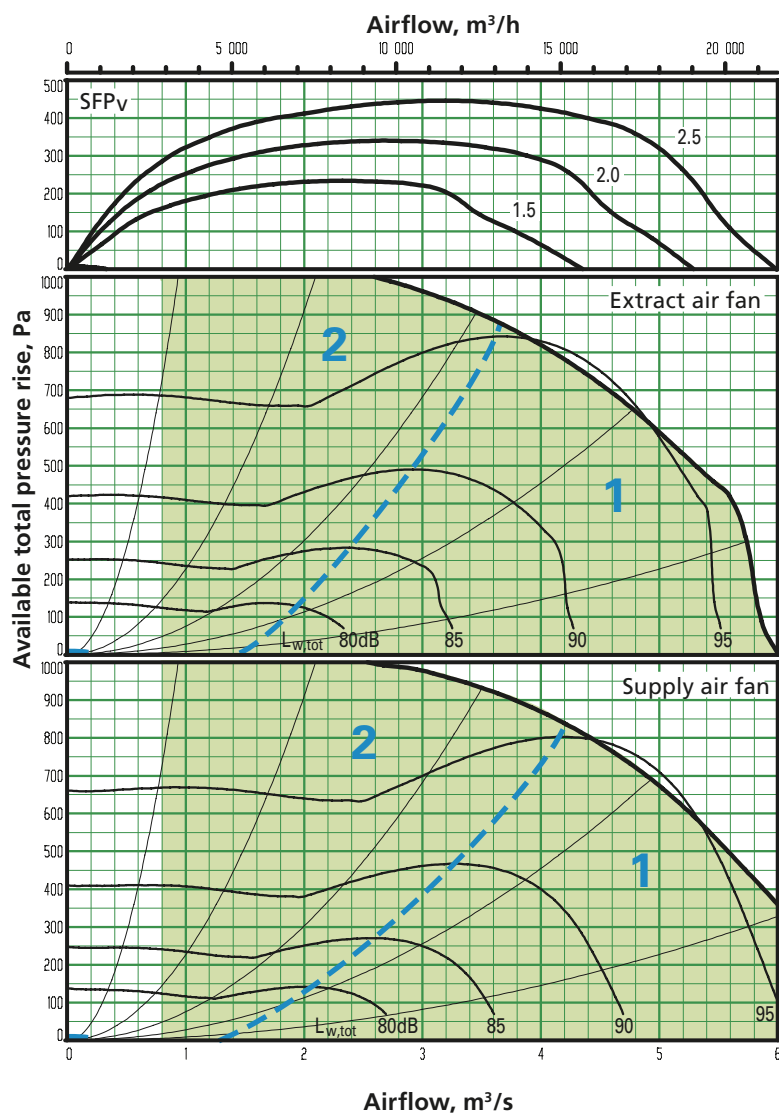
Rated data per fan

GOLD 50: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)*
two parallel fans

**) The frequency inverter restricts the output power to the values specified.*

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 60



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 60	2880	0,80	21600	6,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-12 -5	-17 -8	-12 -9	-7 -7	-6 -6	-6 -7	-7 -11	-21 -23
To the inlet duct*	1 2	-16 -6	-18 -8	-14 -11	-12 -19	-31 -28	-26 -27	-38 -37	-43 -36
To the AHU surroundings**	1 2	-23 -16	-31 -22	-35 -32	-28 -28	-39 -39	-39 -40	-41 -45	-52 -54

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 60

Delivery and transport within the site

The GOLD RX 60 is always supplied as one complete unit.

The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

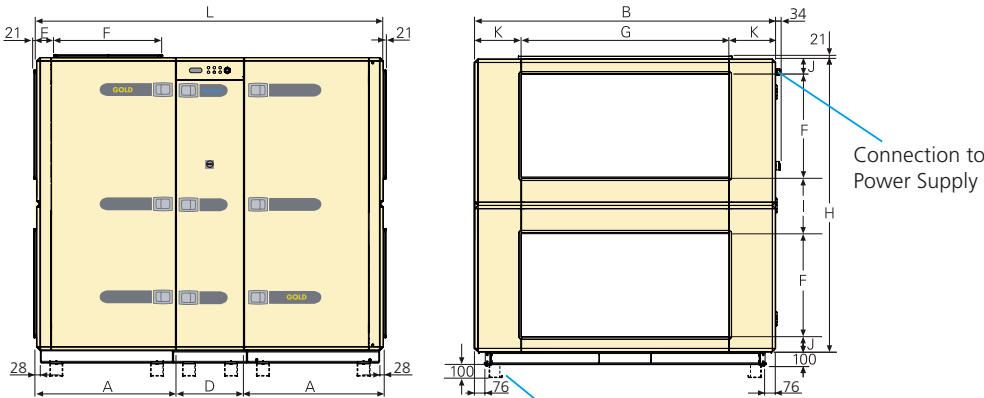
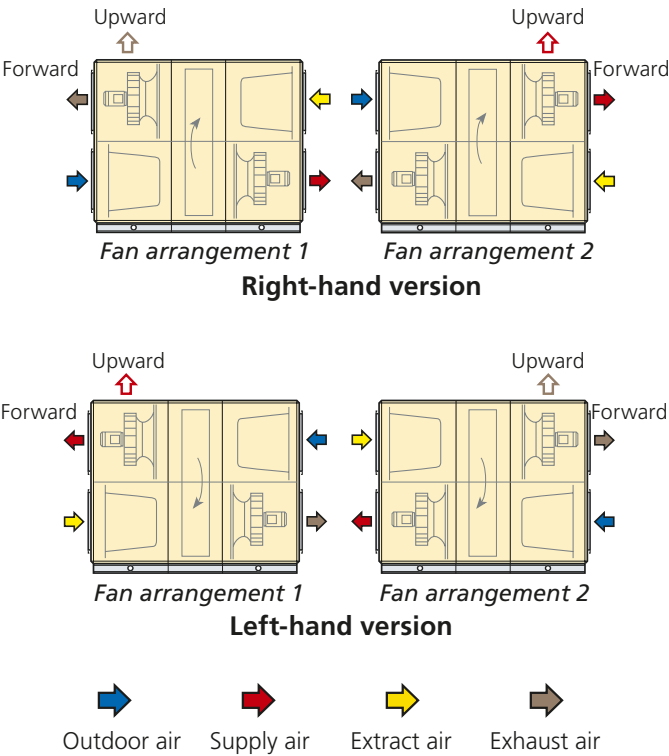
The unit is delivered on 100 mm high support feet made of steel.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

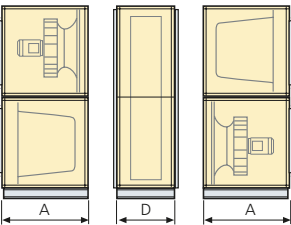
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. The unit has provision for fitting the adjustable support feet.

Size	A	B	D	E	F	G	H	I	J	K	L	Weight, kg
60	1050	2318	570	150	800	1600	2253	423	115	360	2670	1690

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 60:
A = 638 kg, D = 414 kg.

Clear space for inspection

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

Connection to Power Supply

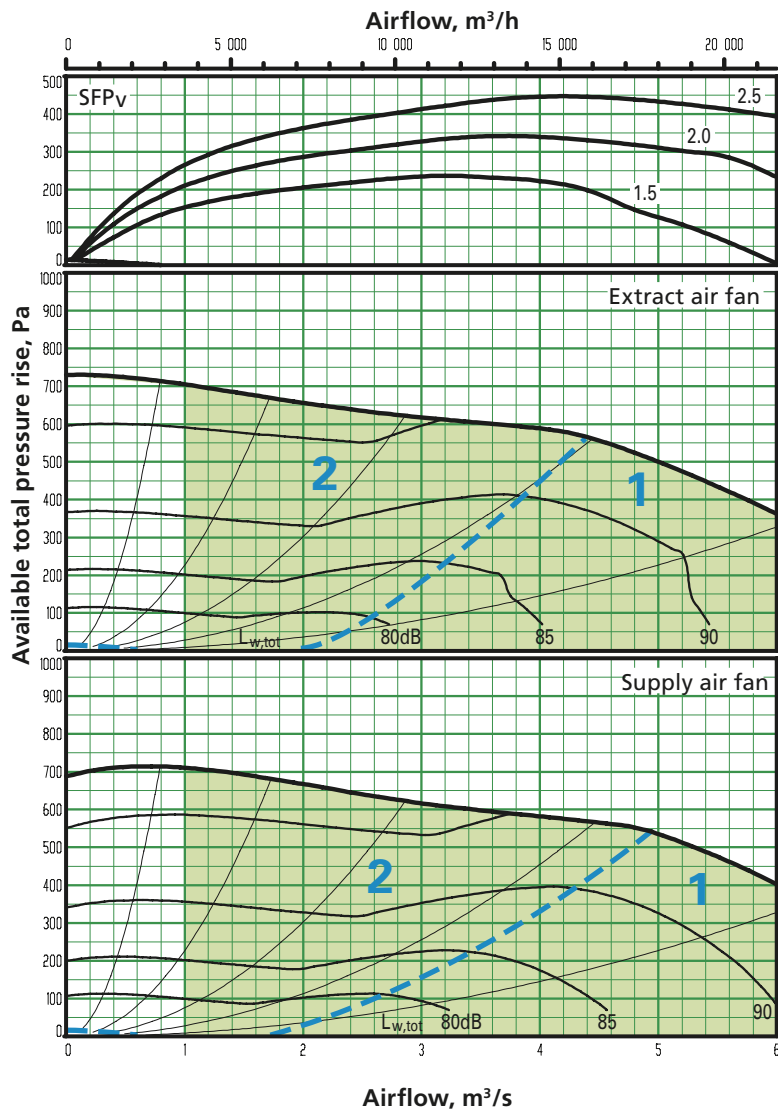
GOLD 60: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 40 A

Rated data per fan

GOLD 60: 3 x 400 V, 50 Hz, 4.6 kW, two parallel fans

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 70



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 70	3600	1,00	22680	6,30

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-14	-16	-19	-30	-29	-38	-43
	2	-3	-6	-11	-22	-27	-31	-37	-36
To the AHU surroundings**	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 70

Delivery and transport within the site

The GOLD RX 70 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level.

The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

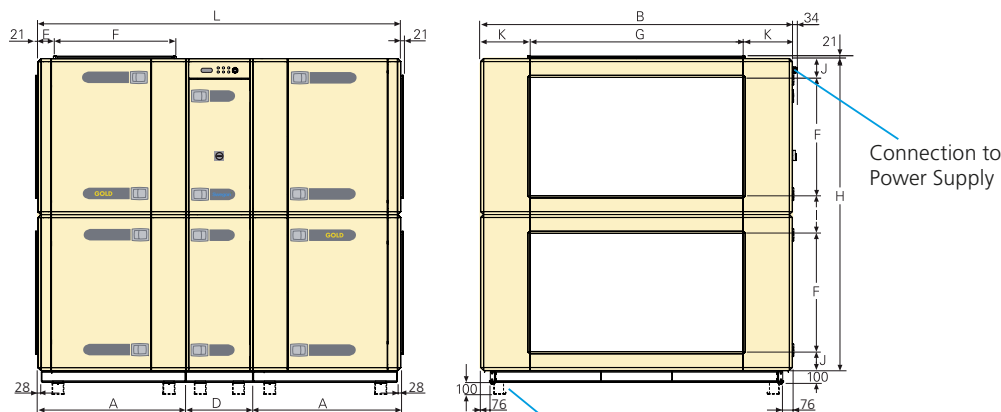
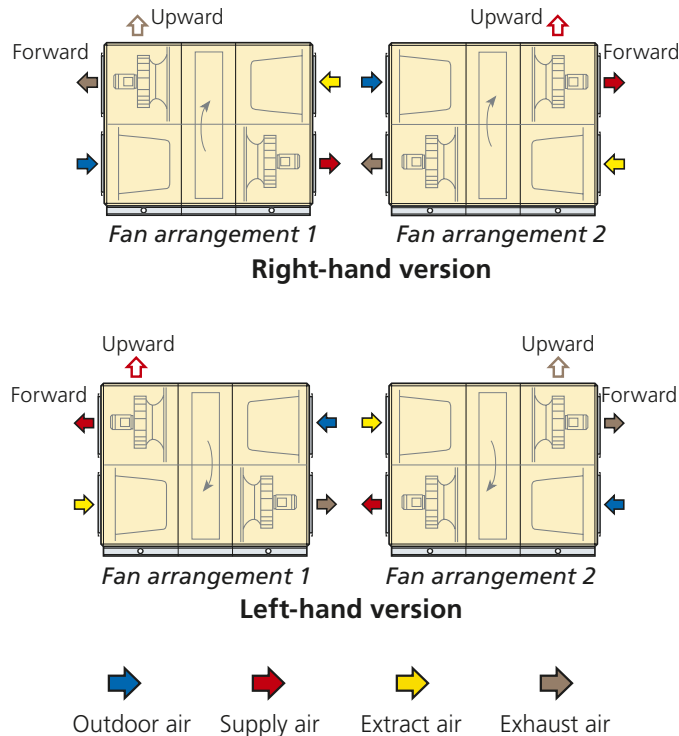
The unit is delivered on 100 mm high support feet made of steel.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

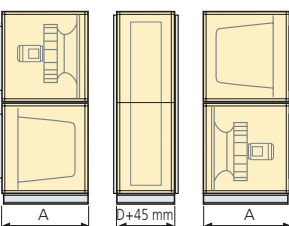
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. The unit has provision for fitting the adjustable support feet.

Size	A	B	D	E	F	G	H	I	J	K	L	Weight, kg
70	1250	2637	570	150	1000	1800	2640	319	161	419	3070	2379

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 70:
A = 900 kg, D = 579 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 70: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 32 A

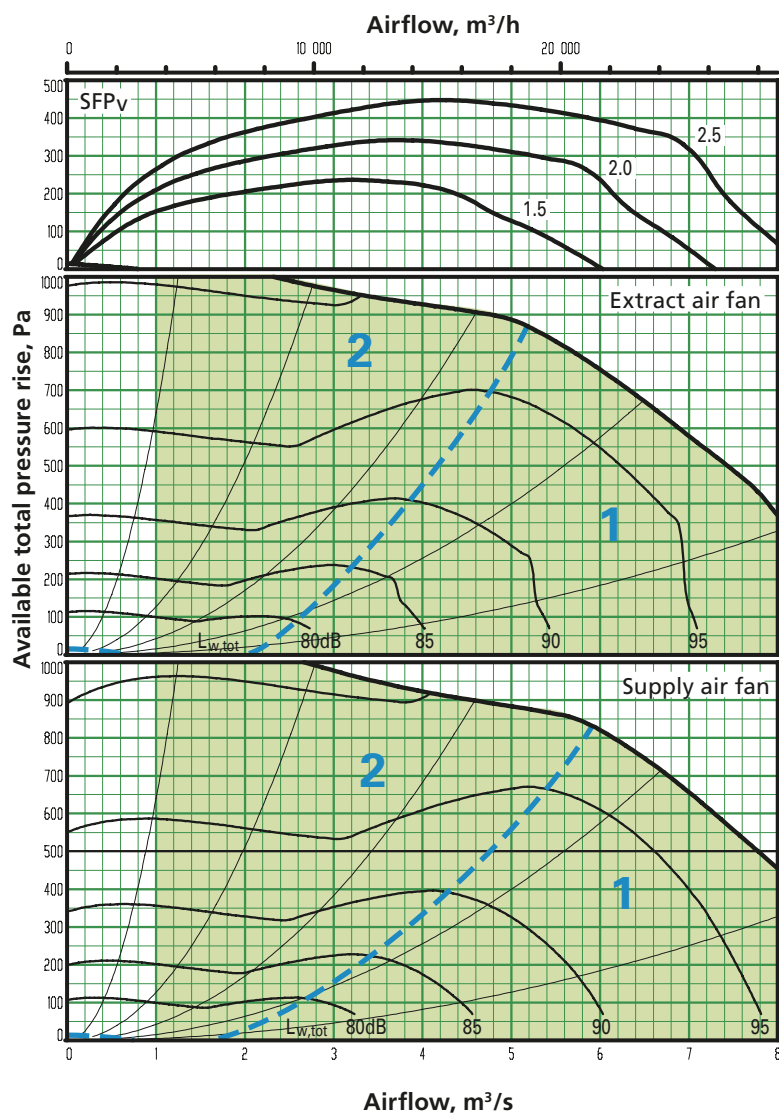
Rated data per fan

GOLD 70: 3 x 400 V, 50 Hz, 6.5 kW (3.7 kW)*
two parallel fans

*) The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 80



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 80	3600	1,00	29520	8,20

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-14	-16	-19	-30	-29	-38	-43
	2	-3	-6	-11	-22	-27	-31	-37	-36
To the AHU surroundings**	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* Includes the integral attenuation of filters and the rotary heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD RX, rotary heat exchanger, size 80

Delivery and transport within the site

The GOLD RX 80 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level.

The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

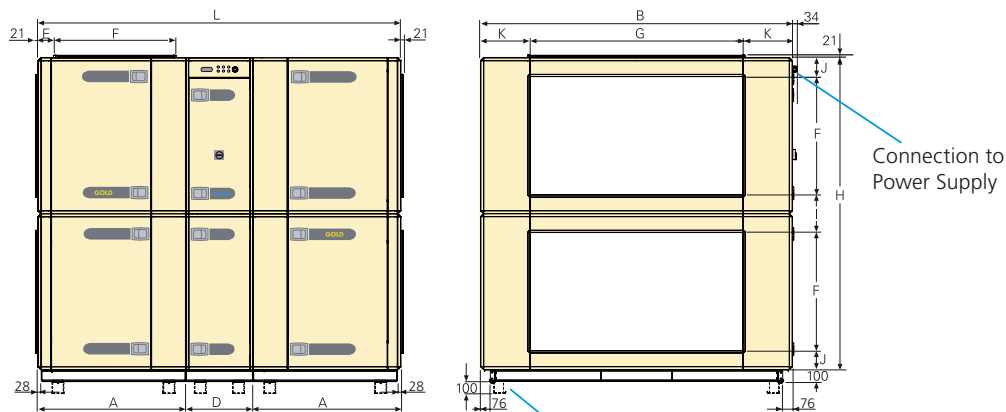
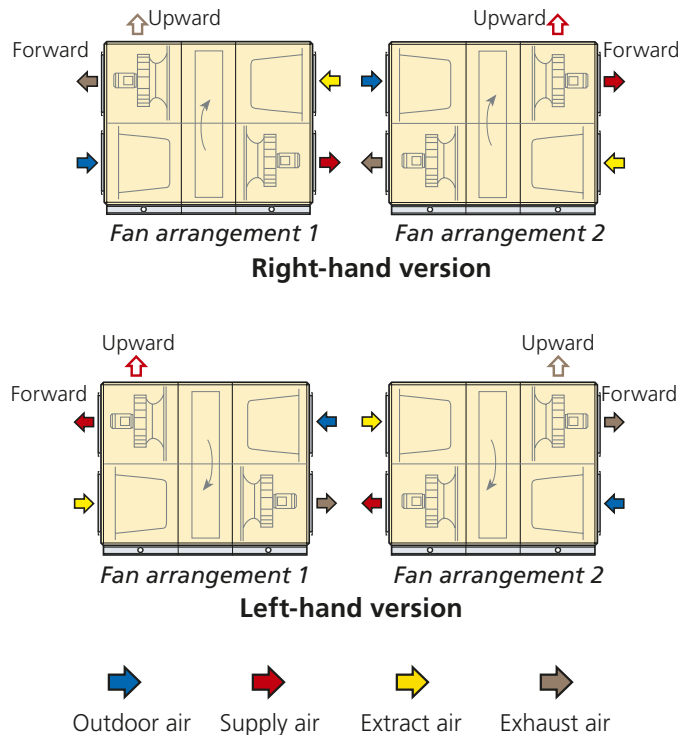
The unit is delivered on 100 mm high support feet made of steel.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

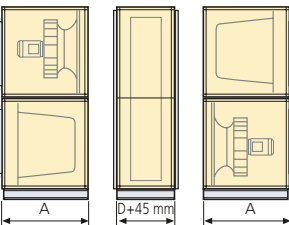
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. The unit has provision for fitting the adjustable support feet.

Size	A	B	D	E	F	G	H	I	J	K	L	Weight, kg
80	1250	2637	570	150	1000	1800	2640	319	161	419	3070	2379

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 80:
A = 900 kg, D = 579 kg.

Clear space for inspection

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

Connection to Power Supply

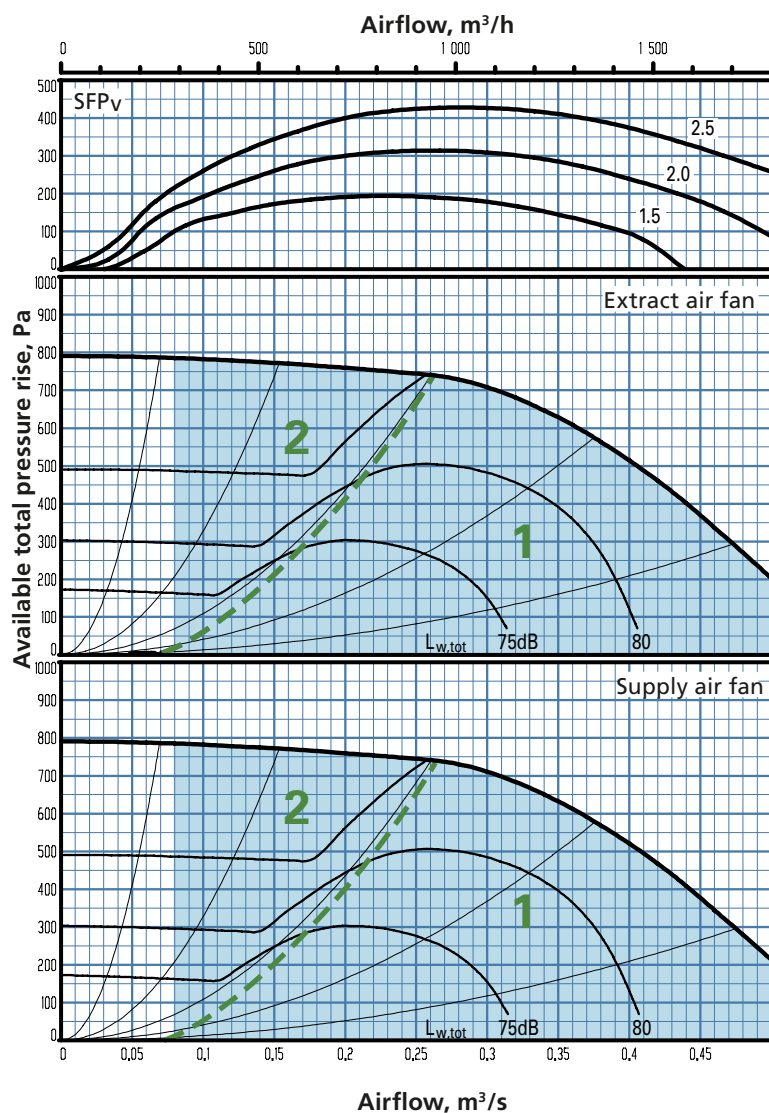
GOLD 80: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 50 A

Rated data per fan

GOLD 80: 3 x 400 V, 50 Hz, 6.5 kW, two parallel fans

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 04



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 04	288	0,08	1870	0,52

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-3 0	-10 -5	-12 -4	-11 -13	-8 -10	0 -5	-6 -13	-16 -25
To the inlet duct*	1 2	-5 -2	-10 -4	-17 -10	-15 -19	-28 -30	-28 -33	-32 -40	-45 -46
To the AHU surroundings**	1 2	-14 -11	-24 -19	-35 -27	-32 -34	-41 -43	-33 -38	-40 -47	-47 -56

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 04

Delivery and transport within the site

The GOLD PX 04 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

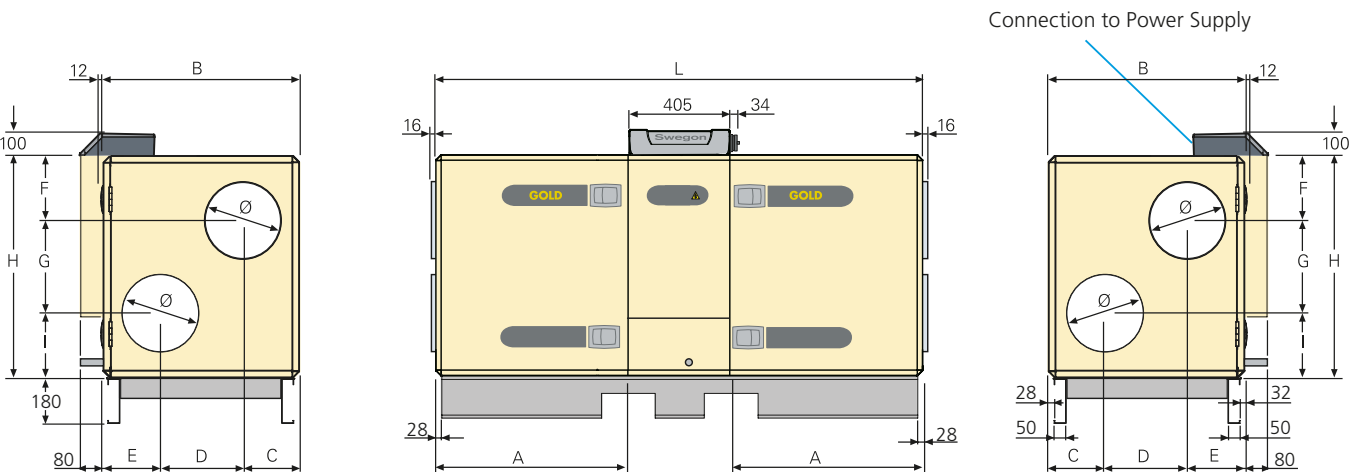
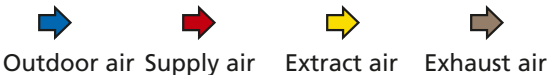
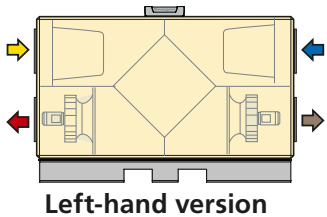
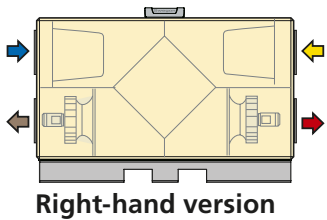
Stand/Base

The GOLD PX 04 is supplied on a base frame with integrated openings for the forks of a fork-lift truck.

The stand is available as an accessory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
04	800	820	236	345	239	268	385	920	267	2000	315	355

Clear space for inspection

A clear space of 1,000 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

Connection to Power Supply

GOLD 04: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A
 or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
 The air handling unit is internally wired for a single-phase, 230 V supply.
 Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply

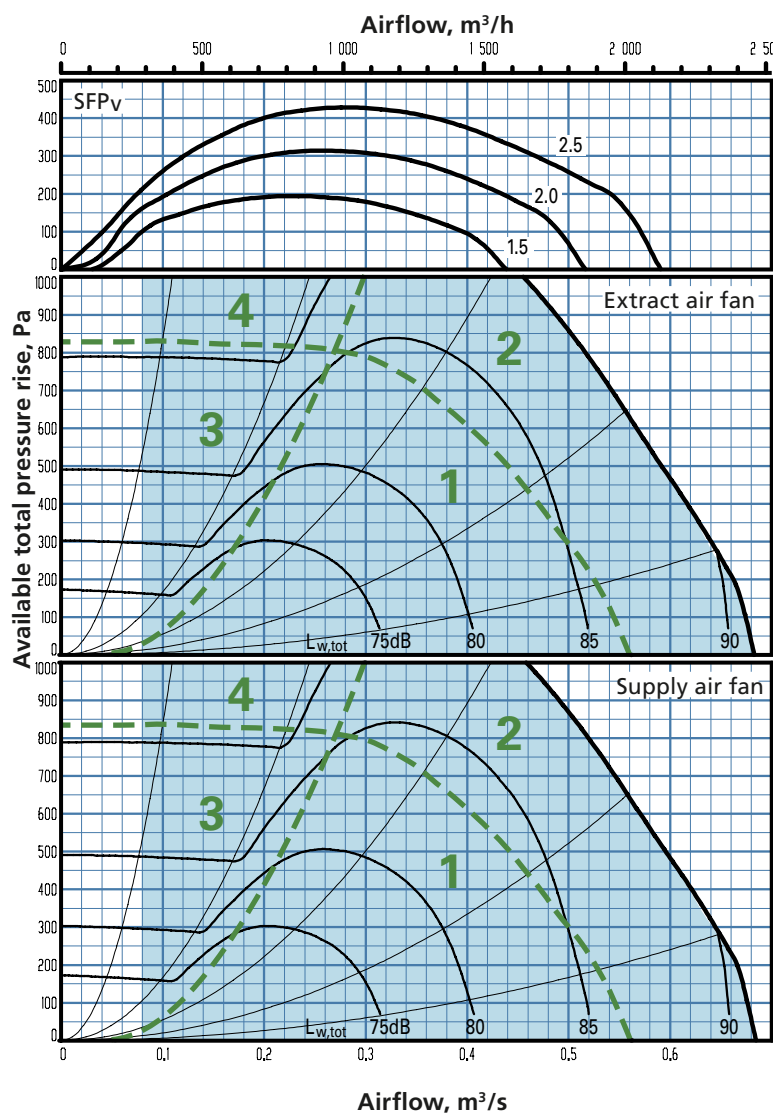
Rated data per fan

GOLD 04: 3 x 230 V, 50 Hz, 1.1 kW (0.55 kW)*

*The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 05



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 05	288	0,08	2450	0,68

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-3	-10	-12	-11	-8	0	-6	-16
	2	-5	-11	-10	-14	-5	-1	-7	-14
	3	0	-5	-4	-13	-10	-5	-13	-25
	4	11	-6	-5	-10	-7	-4	-10	-20
To the inlet duct*	1	-5	-10	-17	-15	-28	-28	-32	-45
	2	-9	-11	-18	-25	-26	-26	-32	-47
	3	-2	-4	-10	-19	-30	-33	-40	-46
	4	2	-8	-12	-18	-28	-32	-37	-48
To the AHU surroundings**	1	-14	-24	-35	-32	-41	-33	-40	-47
	2	-16	-25	-33	-35	-38	-34	-41	-45
	3	-11	-19	-27	-34	-43	-38	-47	-56
	4	0	-20	-28	-31	-40	-37	-44	-51

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 05

Delivery and transport within the site

The GOLD PX 05 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

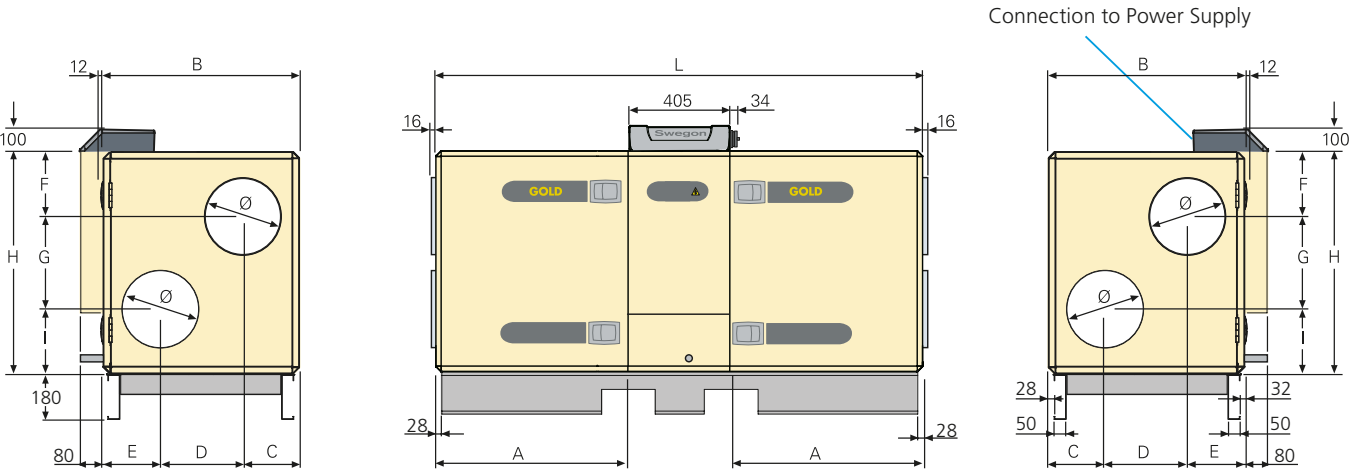
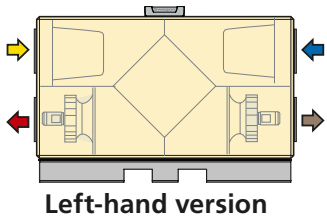
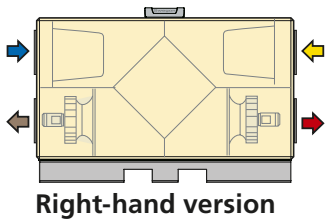
Stand/Base

The GOLD PX 05 is supplied on a base frame with integrated openings for the forks of a fork-lift truck.

The stand is available as an accessory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
05	800	820	236	345	239	268	385	920	267	2000	315	355

Clear space for inspection

A clear space of 1,000 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

Connection to Power Supply

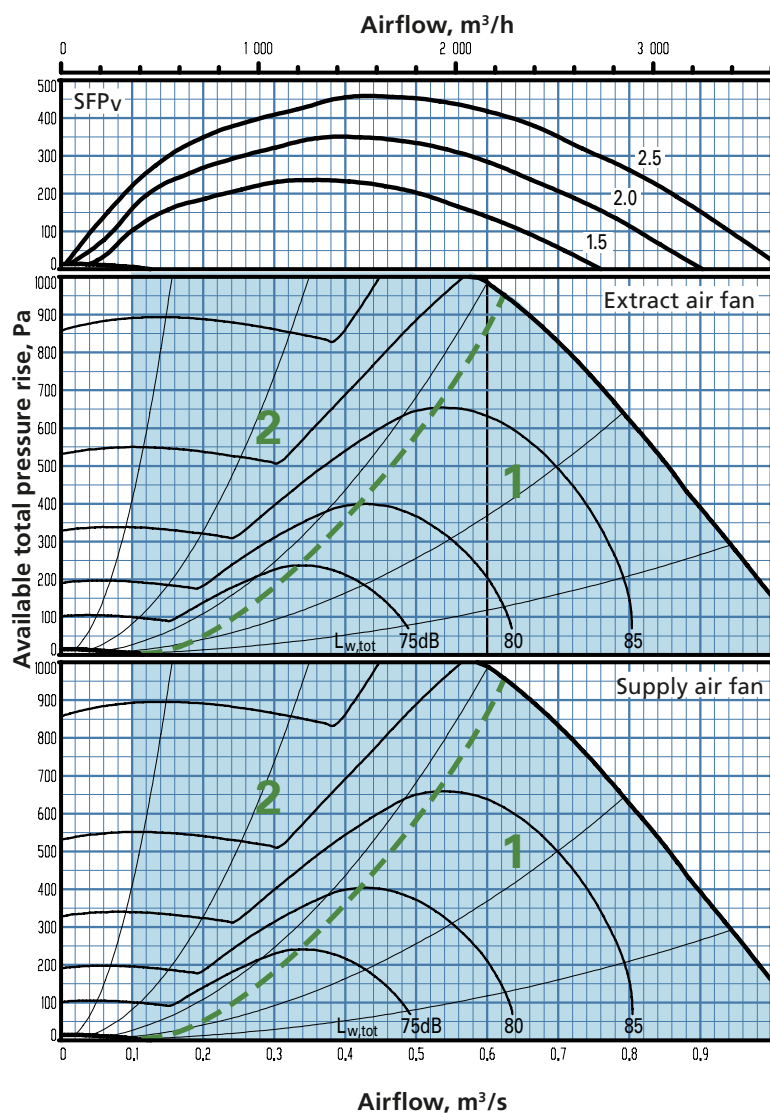
GOLD 05: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 16 A
 or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
 The air handling unit is internally wired for a single-phase, 230 V supply.
 Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply.

Rated data per fan

GOLD 05: 3 x 230 V, 50 Hz, 1.1 kW

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 08



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 08	360	0,10	3600	1,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	1	1	-4	-6	-10	-12	-11	-15	-27
	2	2	-4	-8	-9	-11	-9	-12	-24
To the inlet duct*	1	-2	-3	-9	-14	-27	-31	-38	-46
	2	-2	-4	-10	-15	-30	-31	-36	-34
To the AHU surroundings**	1	-10	-18	-29	-31	-45	-44	-49	-58
	2	-9	-18	-31	-30	-44	-42	-46	-55

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 08

Delivery and transport within the site

The GOLD PX 08 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

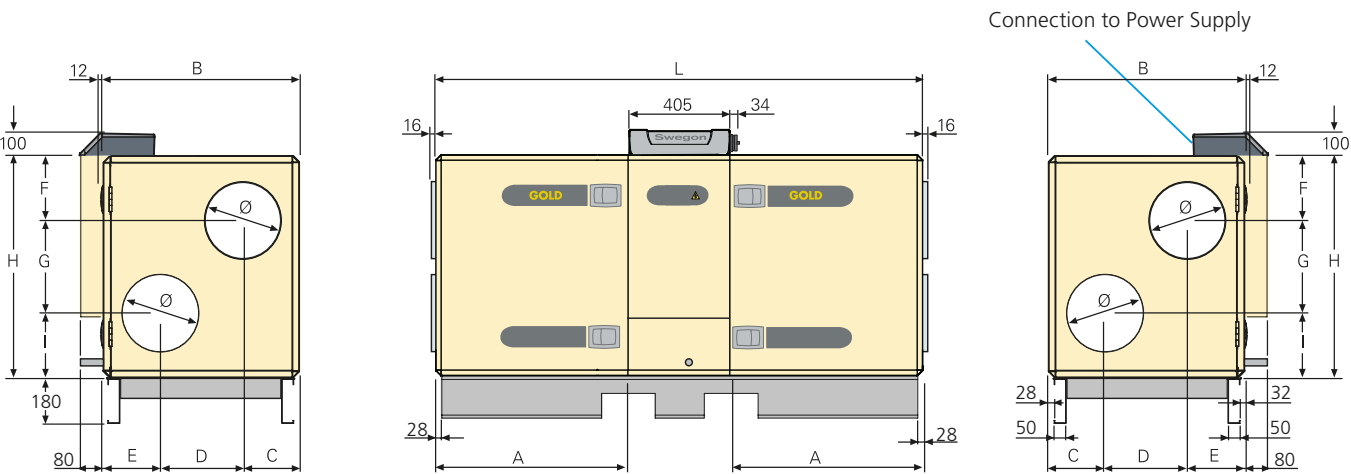
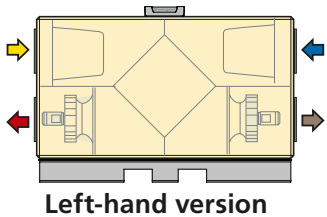
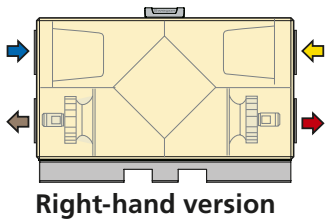
Stand/Base

The GOLD PX 08 is supplied on a base frame with integrated openings for the forks of a fork-lift truck.

The stand is available as an accessory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!



Size	A	B	C	D	E	F	G	H	I	L	Ø	Weight, kg
08	915	990	274	440	276	293	500	1085	292	2230	400	455

Clear space for inspection

A clear space of 1,000 mm must be provided in front of the unit and at least 200 mm must be provided above the junction hood.

Connection to Power Supply

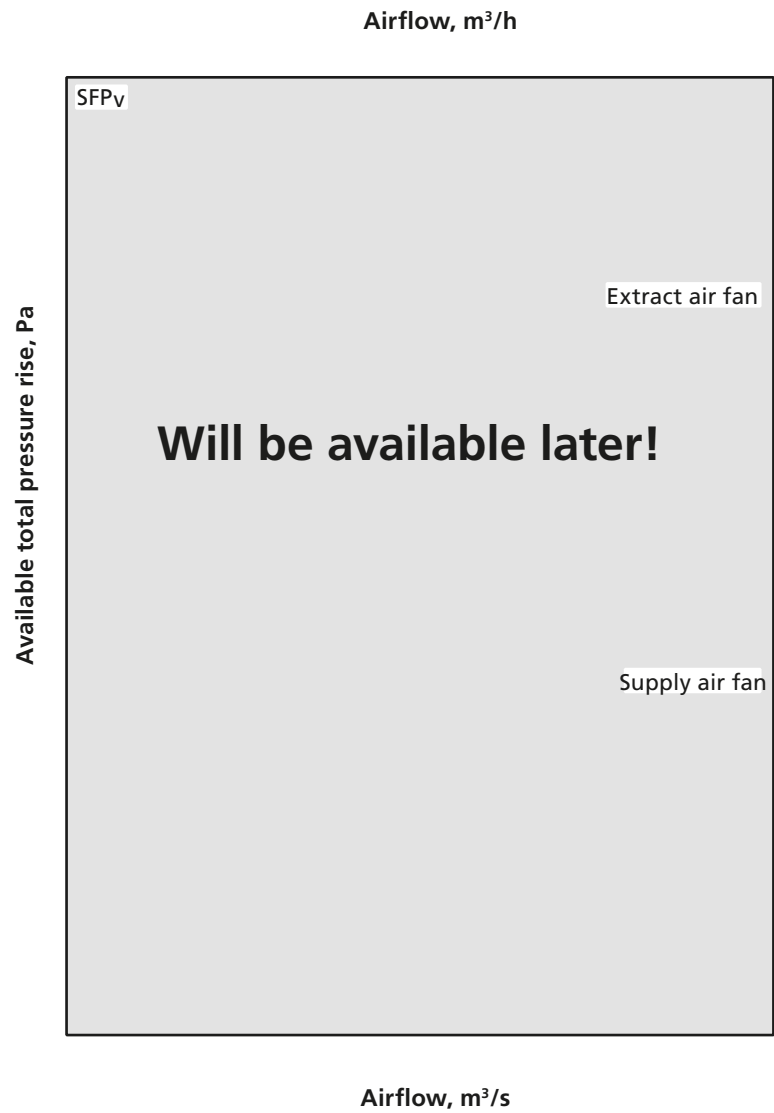
GOLD 08: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 20 A
 or 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A
The air handling unit is internally wired for a single-phase, 230 V supply. Therefore ensure a correct neutral connection when connecting to a 3-phase, 400 V power supply.

Rated data per fan

GOLD 08: 3 x 230 V, 50 Hz, 1.4 kW

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 12



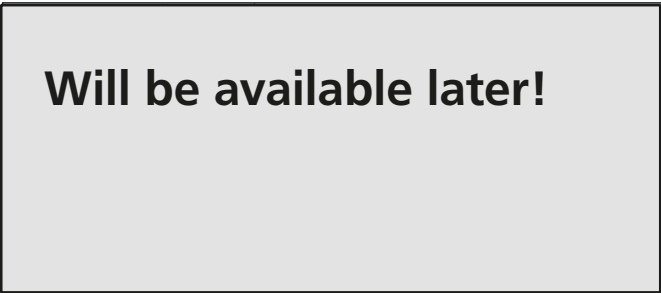
The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 12	720	0,20	4680	1,40

Correction factors K_{OK} , dB



* Includes the integral attenuation of filters and the plate heat exchanger.
** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 12

Leverans och intransport

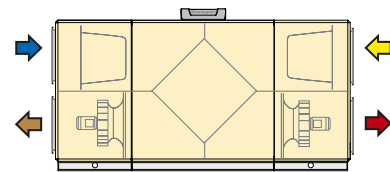
The GOLD PX 12 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The GOLD PX 12 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

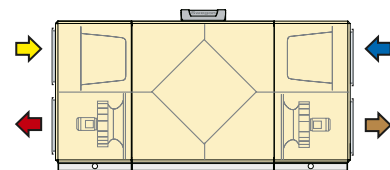
The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.



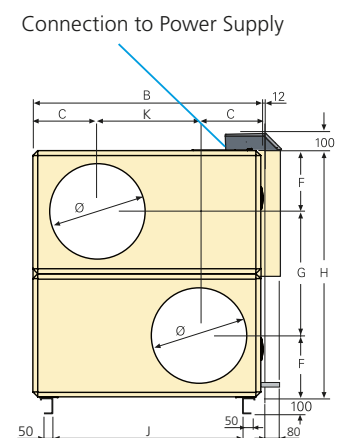
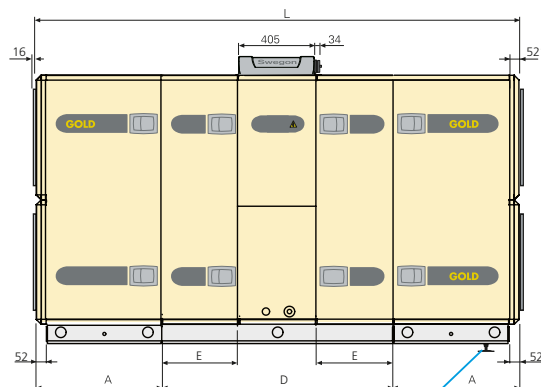
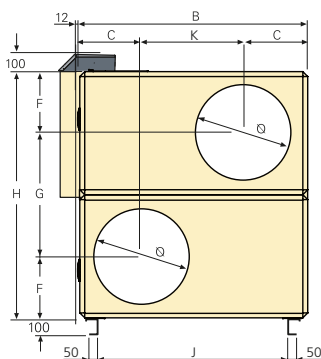
Right-hand version



Left-hand version

Installation/duct connection options

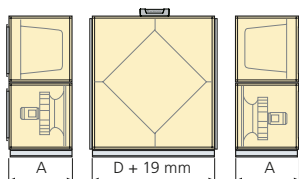
A: Specify right-hand or left-hand version when ordering!



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	J	K	L	Ø	Weight, kg
12	655	1199	324	1200	397	324	647	1295	935	551	2510	500	617

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 14:

A = 132 kg, D = 275 kg.

Clear space for inspection

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

Connection to Power Supply

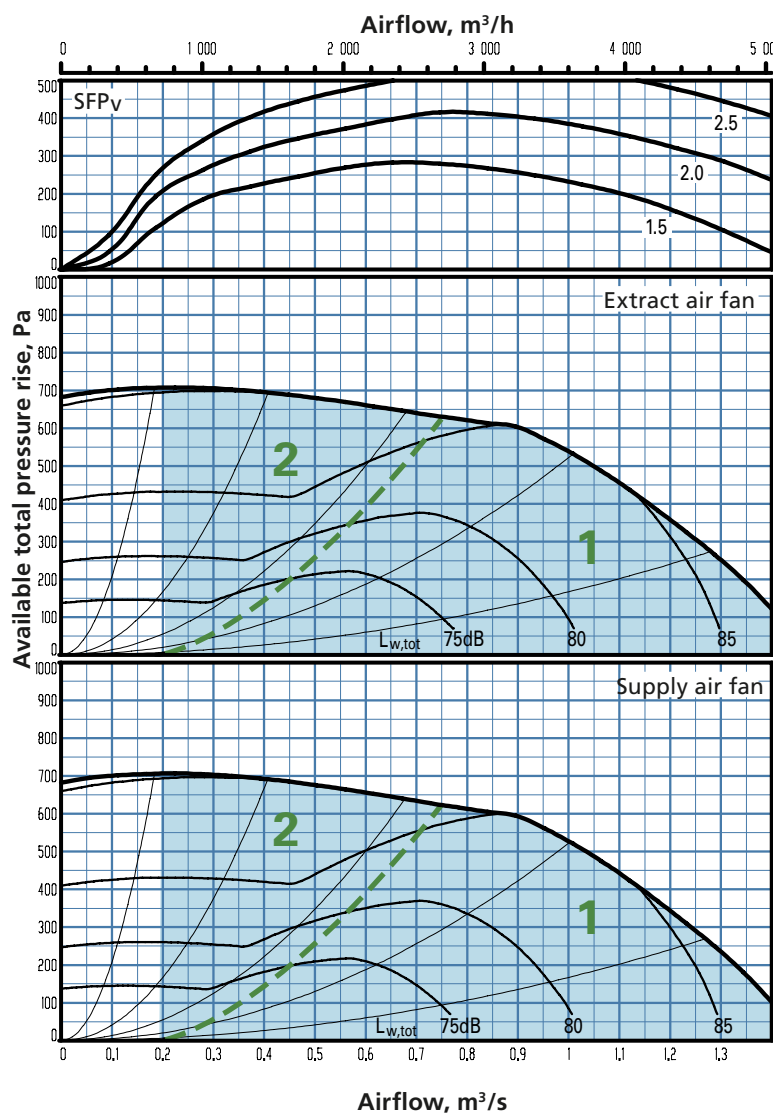
GOLD 12: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10A

Rated data per fan

GOLD 12: Motor shaft power: 1.6 kW,
motorized control: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 14



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 14	720	0,20	5040	1,40

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-3 1	-12 -8	-14 -9	-3 -5	-6 -6	-9 -8	-7 -9	-15 -19
To the inlet duct*	1 2	-8 -3	-14 -5	-23 -12	-14 -14	-31 -30	-31 -31	-38 -36	-31 -33
To the AHU surroundings**	1 2	-14 -10	-26 -22	-37 -32	-24 -26	-39 -39	-42 -41	-41 -43	-46 -50

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 14

Delivery and transport within the site

The GOLD PX 14 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

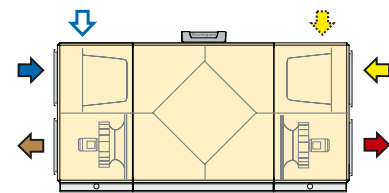
The air handling unit is delivered on wooden beams.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

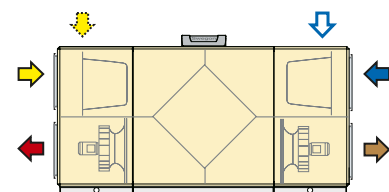
Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

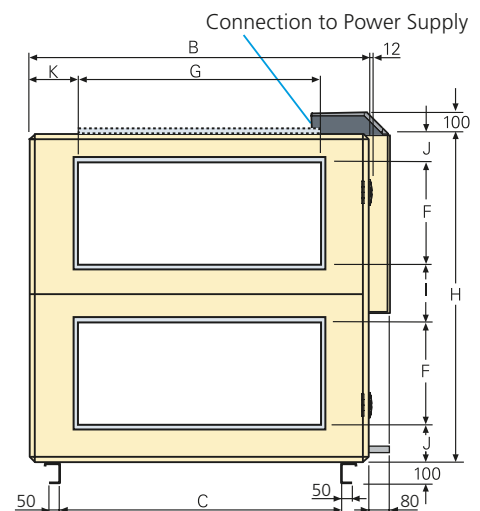
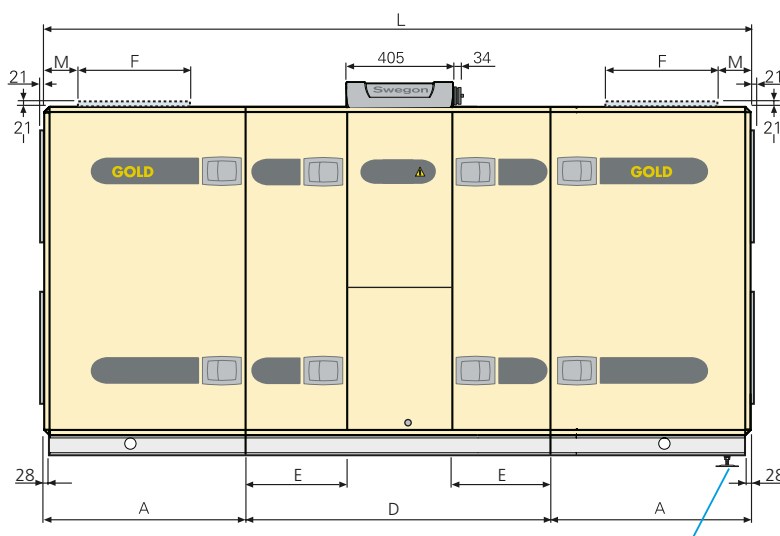
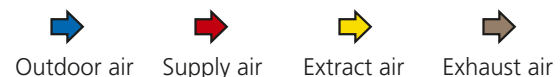
B: Specify when ordering whether the unit shall have an outdoor air intake from above and/or extract air discharge upward!



Right-hand version



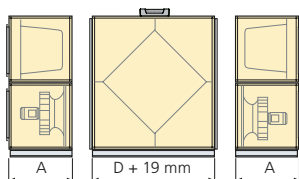
Left-hand version



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
14	765	1295	1036	1200	400	400	1000	1295	252	122	146	2730	196	760

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 14:

A = 235 kg, D = 290 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 14: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

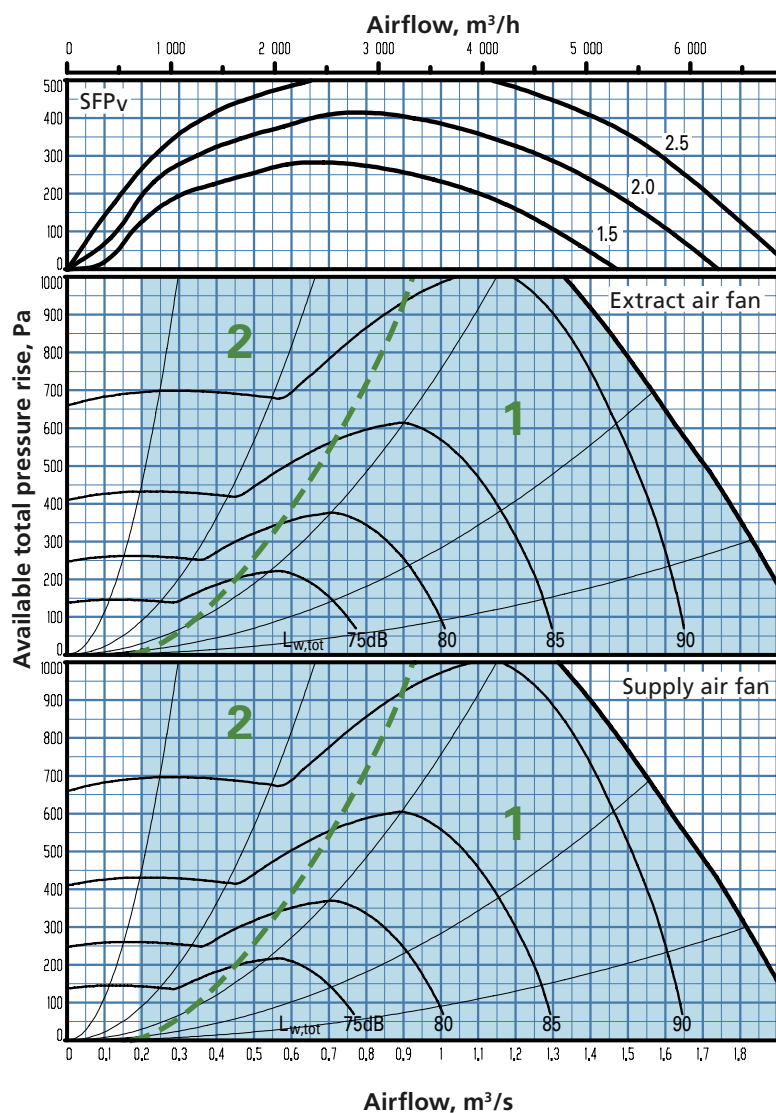
Rated data per fan

GOLD 14: 3 x 400 V, 50 Hz, 3.0 kW (1.2 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 20



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 20	720	0,20	6840	1,90

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-3	-12	-14	-3	-6	-9	-7	-15
	2	1	-8	-9	-5	-6	-8	-9	-19
To the inlet duct*	1	-8	-14	-23	-14	-31	-31	-38	-31
	2	-3	-5	-12	-14	-30	-31	-36	-33
To the AHU surroundings**	1	-14	-26	-37	-24	-39	-42	-41	-46
	2	-10	-22	-32	-26	-39	-41	-43	-50

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 20

Delivery and transport within the site

The GOLD PX 20 is always supplied as one complete unit.
The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

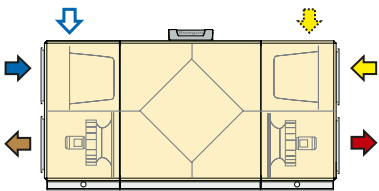
The air handling unit is delivered on wooden beams.

The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

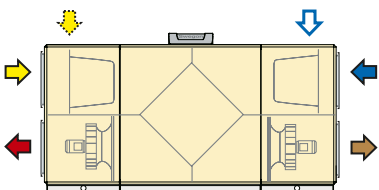
Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: Specify when ordering whether the unit shall have an outdoor air intake from above and/or extract air discharge upward!

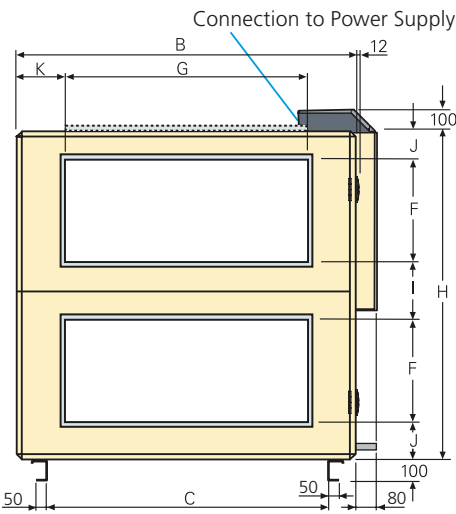
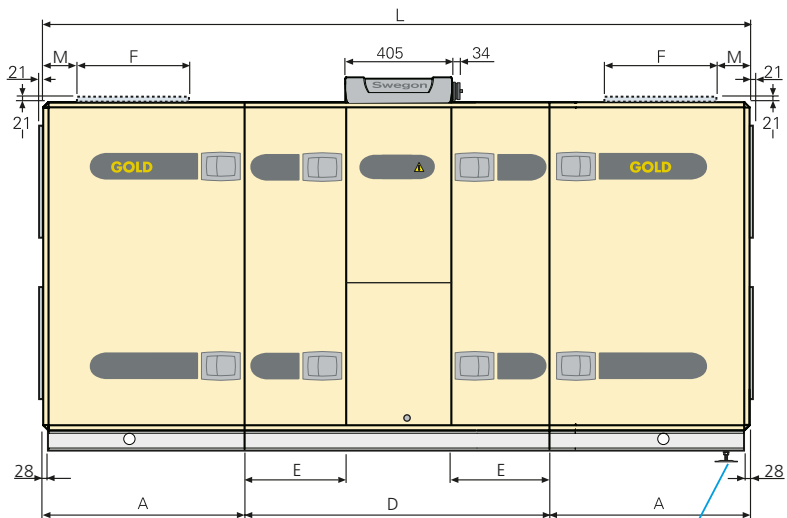


Right-hand version



Left-hand version

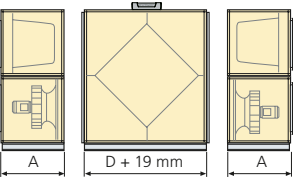
Outdoor air Supply air Extract air Exhaust air



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
20	765	1295	1036	1200	400	400	1000	1295	252	122	146	2730	196	760

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 20:
A = 235 kg, D = 290 kg.

Clear space for inspection

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

Connection to Power Supply

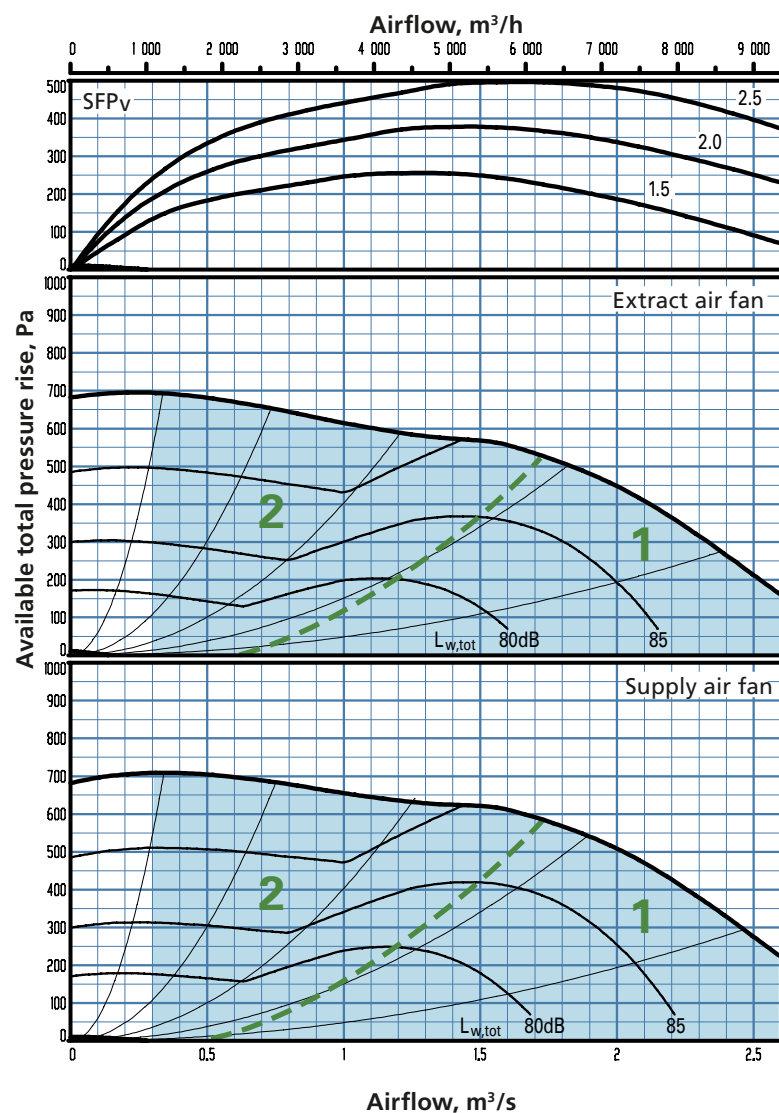
GOLD 20: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

Rated data per fan

GOLD 20: 3 x 400 V, 50 Hz, 3.0 kW

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 25



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 25	1080	0,30	9360	2,60

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-8	-15	-7	-7	-6	-7	-7	-22
	2	1	-6	-6	-6	-6	-8	-13	-21
To the inlet duct*	1	-10	-14	-14	-19	-28	-28	-33	-33
	2	-5	-9	-14	-27	-30	-32	-33	-32
To the AHU surroundings**	1	-19	-29	-30	-28	-39	-40	-41	-53
	2	-10	-20	-29	-27	-39	-41	-47	-52

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 25

Delivery and transport within the site

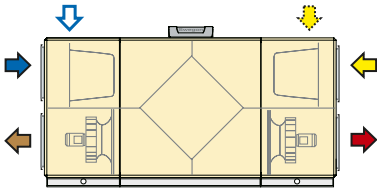
The GOLD PX 25 is always supplied as two units. The one unit consists of a centre section with heat exchanger and fan/filter section to the right of the centre section (viewed from the inspection side). The other unit consists of a fan/filter section to the left of the centre section (viewed from the inspection side). The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors. The air handling unit is delivered on wooden beams. The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

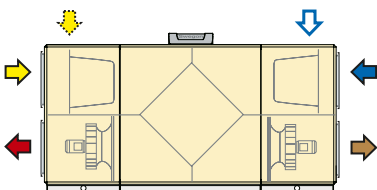
Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: Specify when ordering whether the unit shall have an outdoor air intake from above and/or extract air discharge upward!

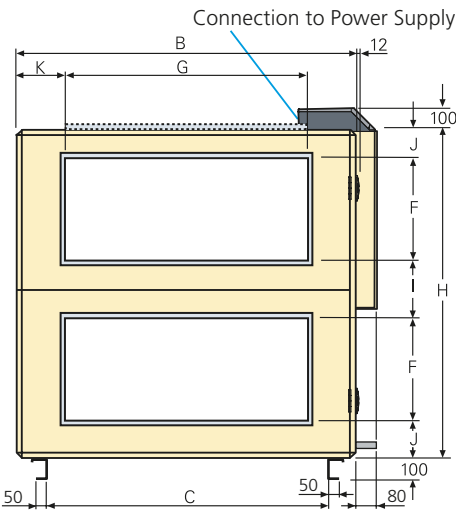
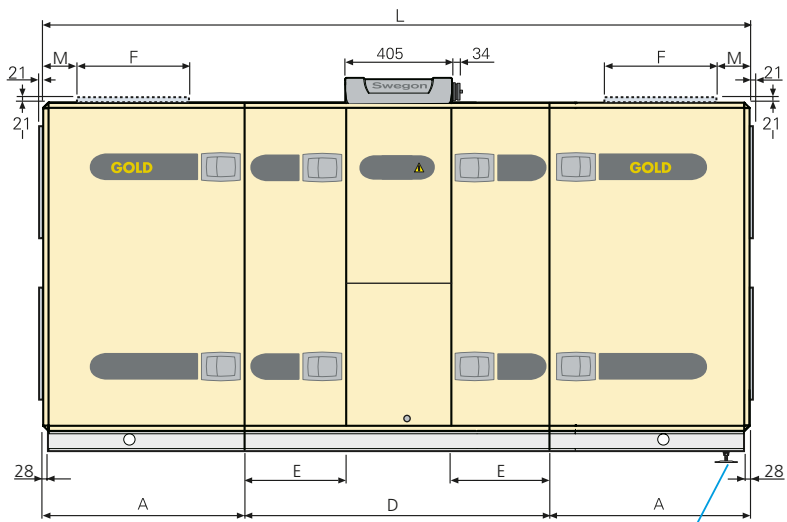


Right-hand version



Left-hand version

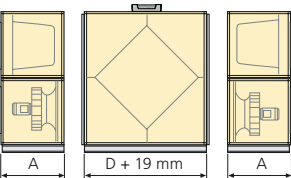
Outdoor air Supply air Extract air Exhaust air



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
25	835	1595	1336	1500	550	500	1200	1595	300	148	194	3170	180	1020

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 25:
A = 310 kg, D = 400 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 25: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

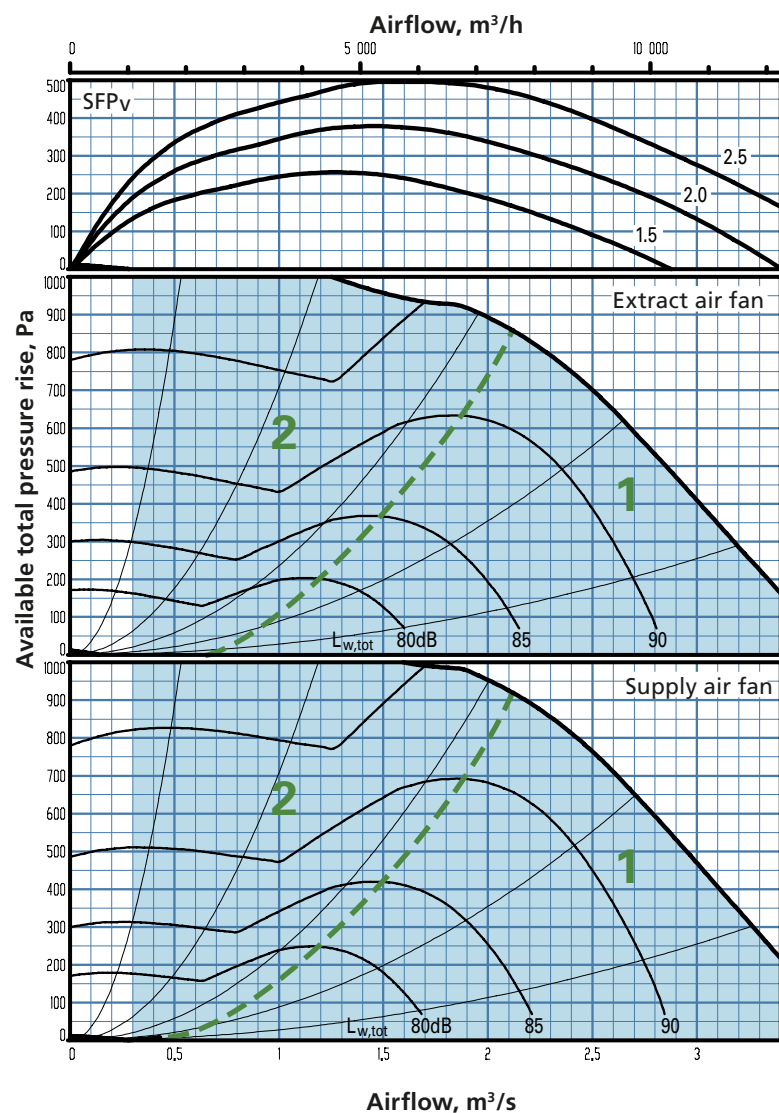
Rated data per fan

GOLD 25: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 30



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h m³/s	Max. airflow m³/h m³/s
GOLD 30	1080 0,30	12240 3,40

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-8 1	-15 -6	-7 -6	-7 -6	-6 -6	-7 -8	-7 -13	-22 -21
To the inlet duct*	1 2	-10 -5	-14 -9	-14 -14	-19 -27	-28 -30	-28 -32	-33 -33	-33 -32
To the AHU surroundings**	1 2	-19 -10	-29 -20	-30 -29	-28 -27	-39 -39	-40 -41	-41 -47	-53 -52

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD PX, plate heat exchanger, size 30

Delivery and transport within the site

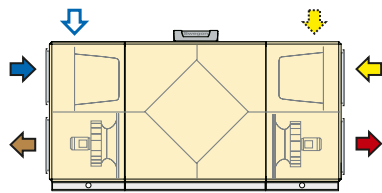
The GOLD PX 30 is always supplied as two units. The one unit consists of a centre section with heat exchanger and fan/filter section to the right of the centre section (viewed from the inspection side). The other unit consists of a fan/filter section to the left of the centre section (viewed from the inspection side). The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors. The air handling unit is delivered on wooden beams. The electrical equipment cubicle and the drain pipe at the front of the air handling unit can be dismantled, if required, for transporting the unit within the building site.

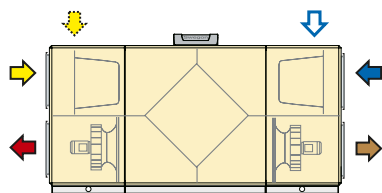
Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

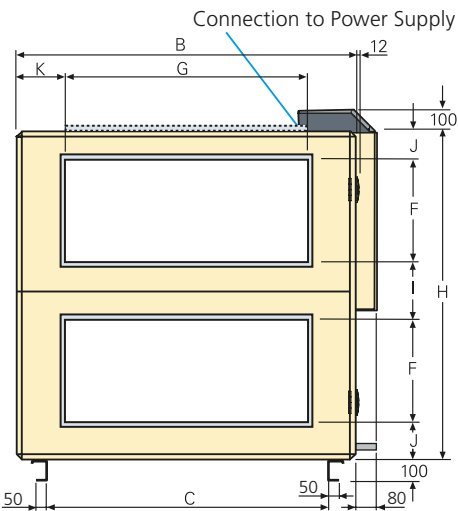
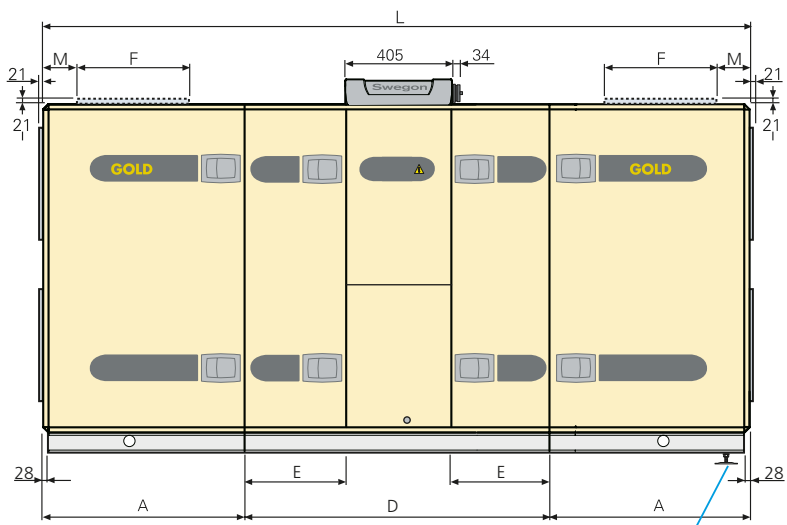
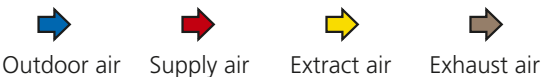
B: Specify when ordering whether the unit shall have an outdoor air intake from above and/or extract air discharge upward!



Right-hand version



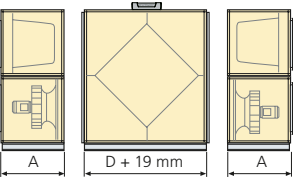
Left-hand version



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
30	835	1595	1336	1500	550	500	1200	1595	300	148	194	3170	180	1020

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 30:
A = 310 kg, D = 400 kg.

Clear space for inspection

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

Connection to Power Supply

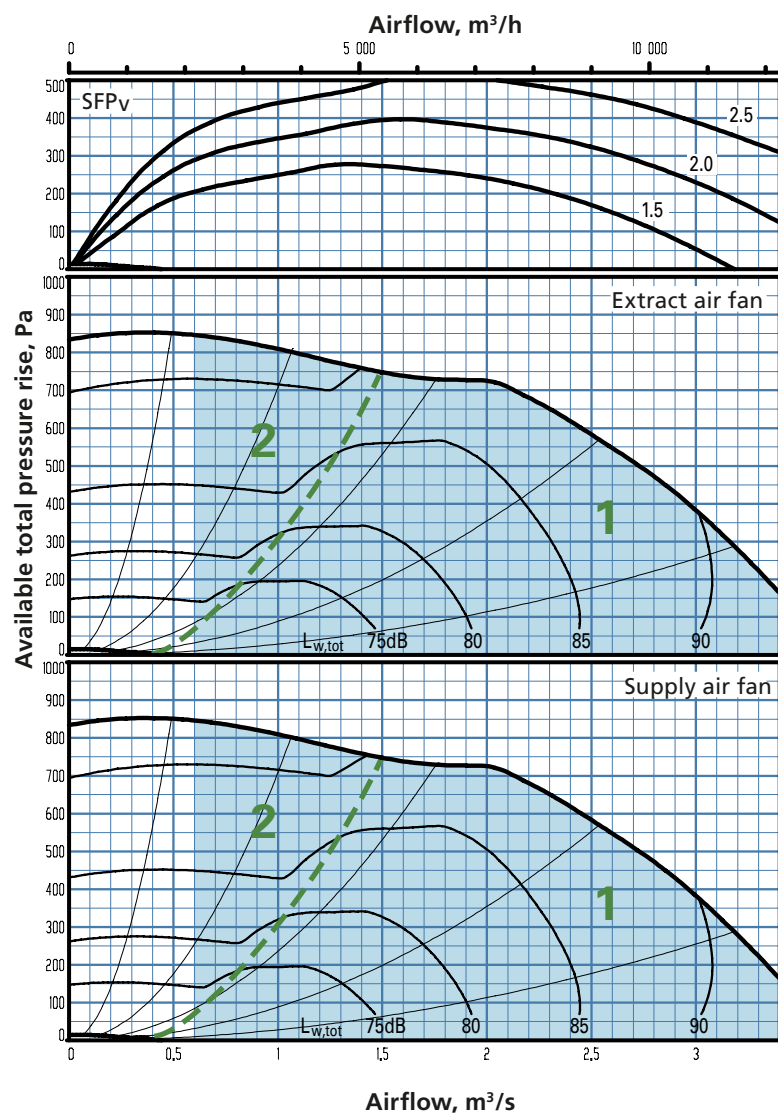
GOLD 30: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 20 A

Rated data per fan

GOLD 30: 3 x 400 V, 50 Hz, 4.6 kW

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 35



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
GOLD 35	2160	0,60	12240	3,40

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-6	-15	-7	-6	-5	-7	-7	-20
	2	1	-9	-5	-4	-5	-8	-12	-25
To the inlet duct*	1	-10	-16	-15	-21	-31	-29	-38	-43
	2	-1	-3	-13	-28	-29	-32	-37	-36
To the AHU surroundings**	1	-17	-29	-30	-27	-38	-40	-41	-51
	2	-10	-23	-28	-25	-38	-41	-46	-56

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 35

Delivery and transport within the site

The GOLD CX 35 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

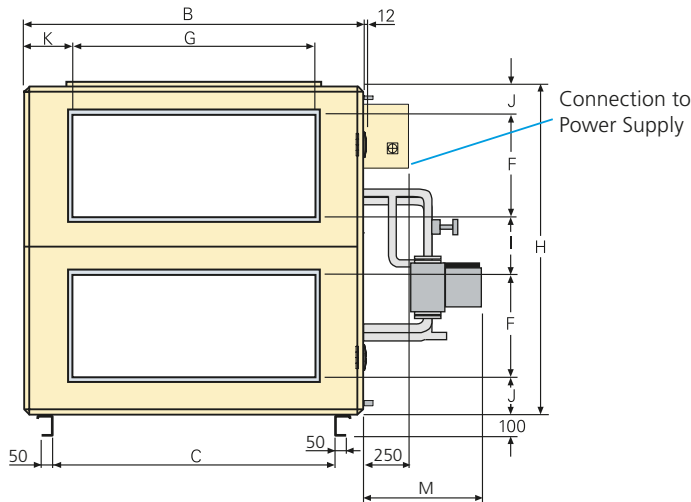
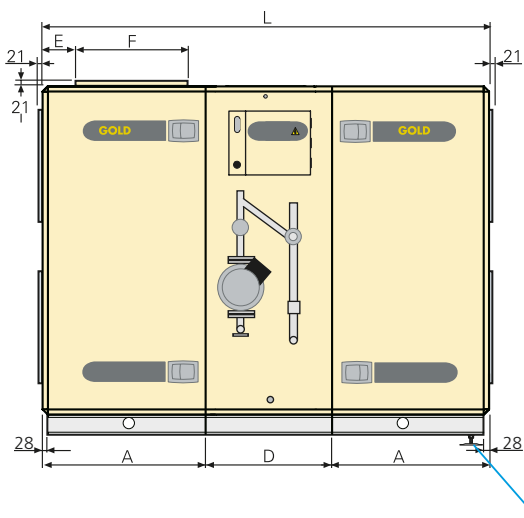
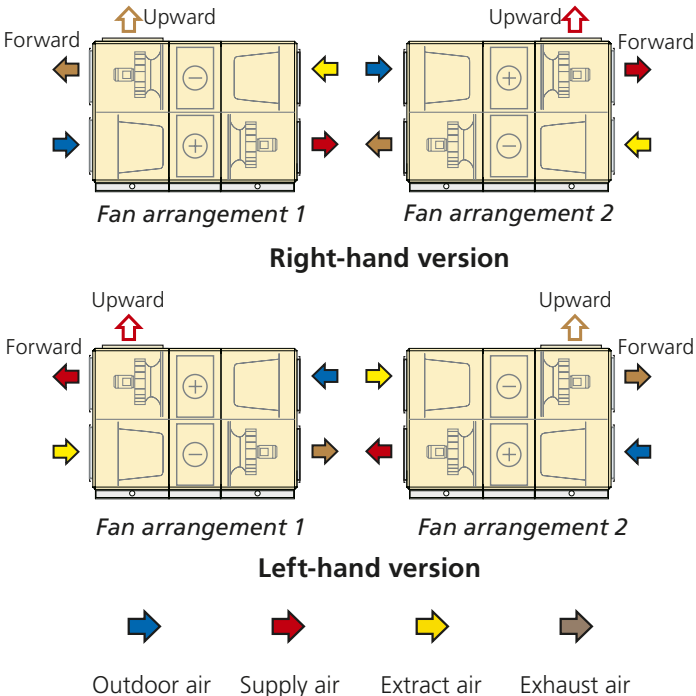
The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

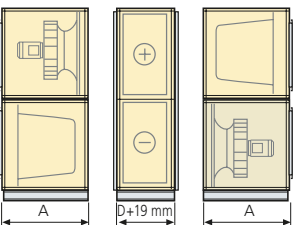
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
35	875	1885	1626	680	125	600	1400	1885	300	192	242	2430	600	1450

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 35:

A = 405 kg, D = 640 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 35: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 20 A

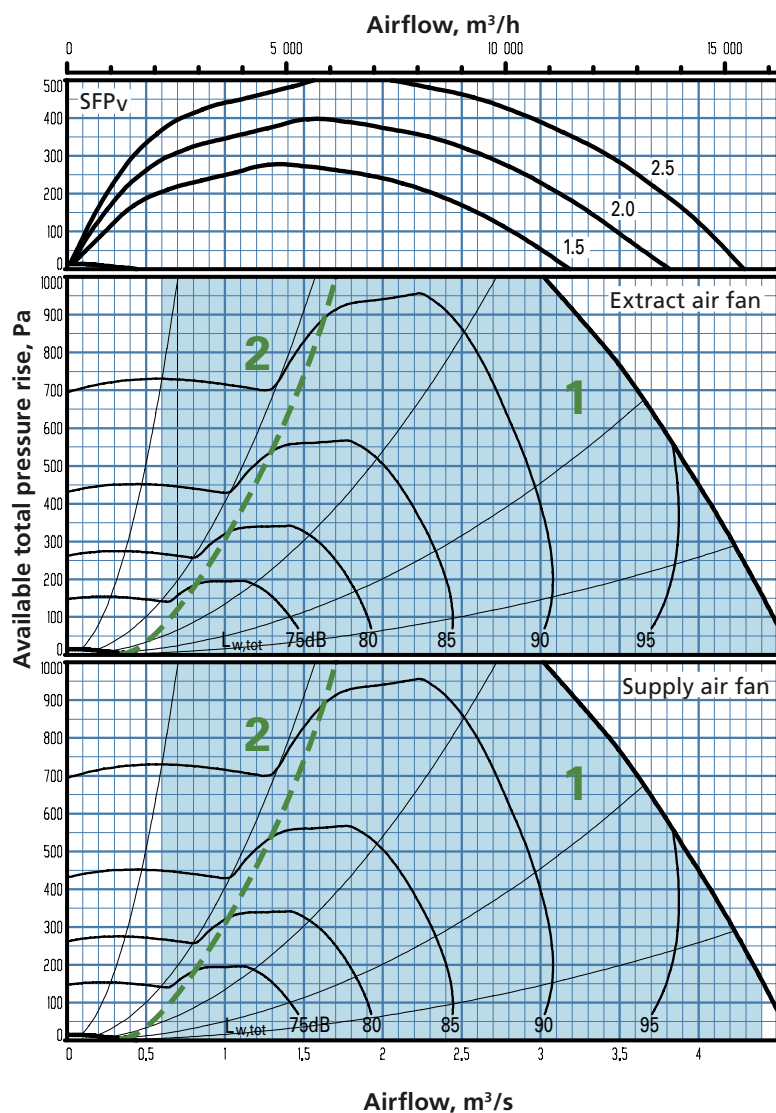
Rated data per fan

GOLD 35: 3 x 400 V, 50 Hz, 6.5 kW (3.1 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 40



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m ³ /h	m ³ /s	m ³ /h	m ³ /s
GOLD 40	2160	0,60	15840	4,40

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-6	-15	-7	-6	-5	-7	-7	-20
	2	1	-9	-5	-4	-5	-8	-12	-25
To the inlet duct*	1	-10	-16	-15	-21	-31	-29	-38	-43
	2	-1	-3	-13	-28	-29	-32	-37	-36
To the AHU surroundings**	1	-17	-29	-30	-27	-38	-40	-41	-51
	2	-10	-23	-28	-25	-38	-41	-46	-56

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 40

Delivery and transport within the site

The GOLD CX 40 is always supplied as one complete unit. The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

The air handling unit is delivered on wooden beams.

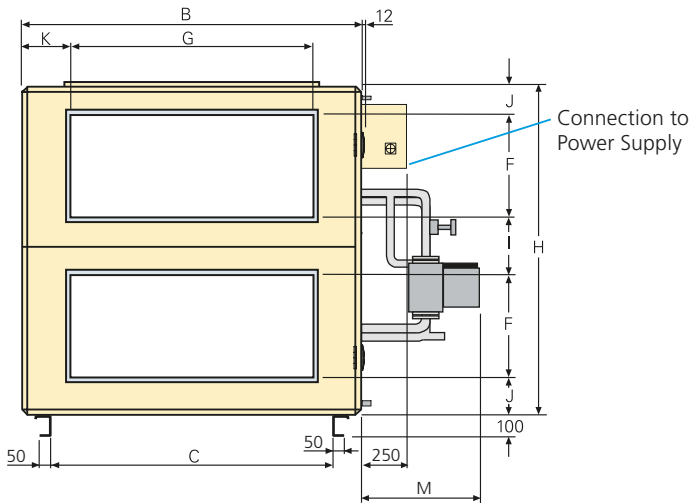
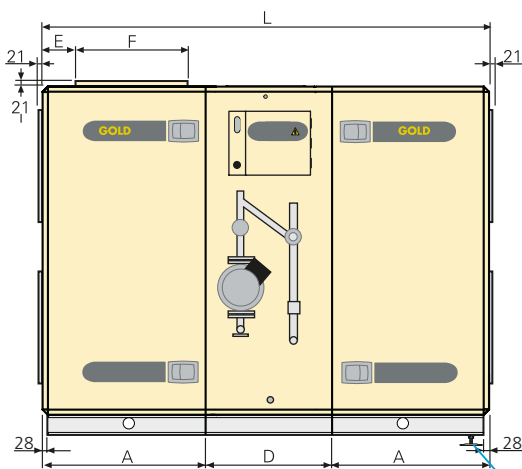
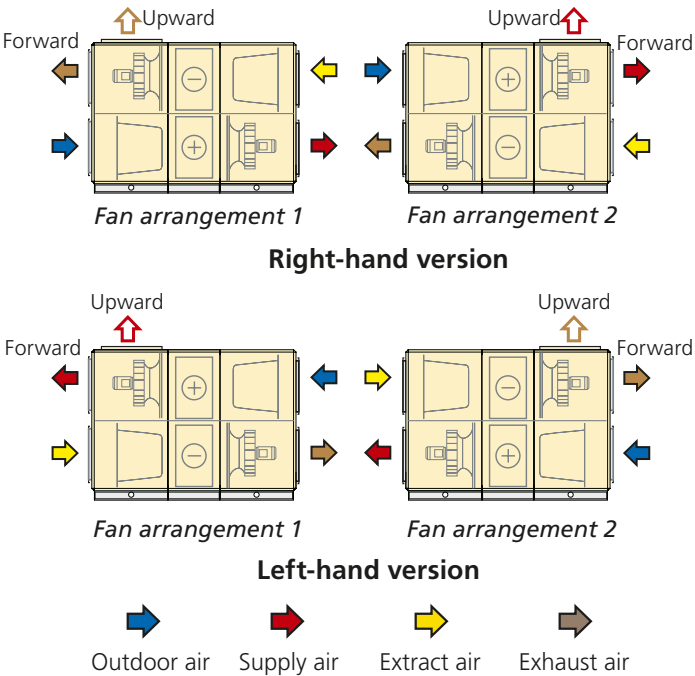
The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

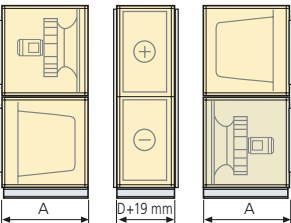
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be be used for discharging air both forward and upward.



If a water trap (accessory) is fitted, the air handling unit must be raised at least 50 mm to provide space for the water trap. Support feet (accessories) can be used for this purpose. Applicable to the right-hand version, fan arrangement 2 and the left-hand version, fan arrangement 1.

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight, kg
40	875	1885	1626	680	125	600	1400	1885	300	192	242	2430	600	1450

Division into sections for transport within the site



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

Dimensions: See A and D in the table above.

Weight, size 40:
A = 405 kg, D = 640 kg.

Clear space for inspection

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

Connection to Power Supply

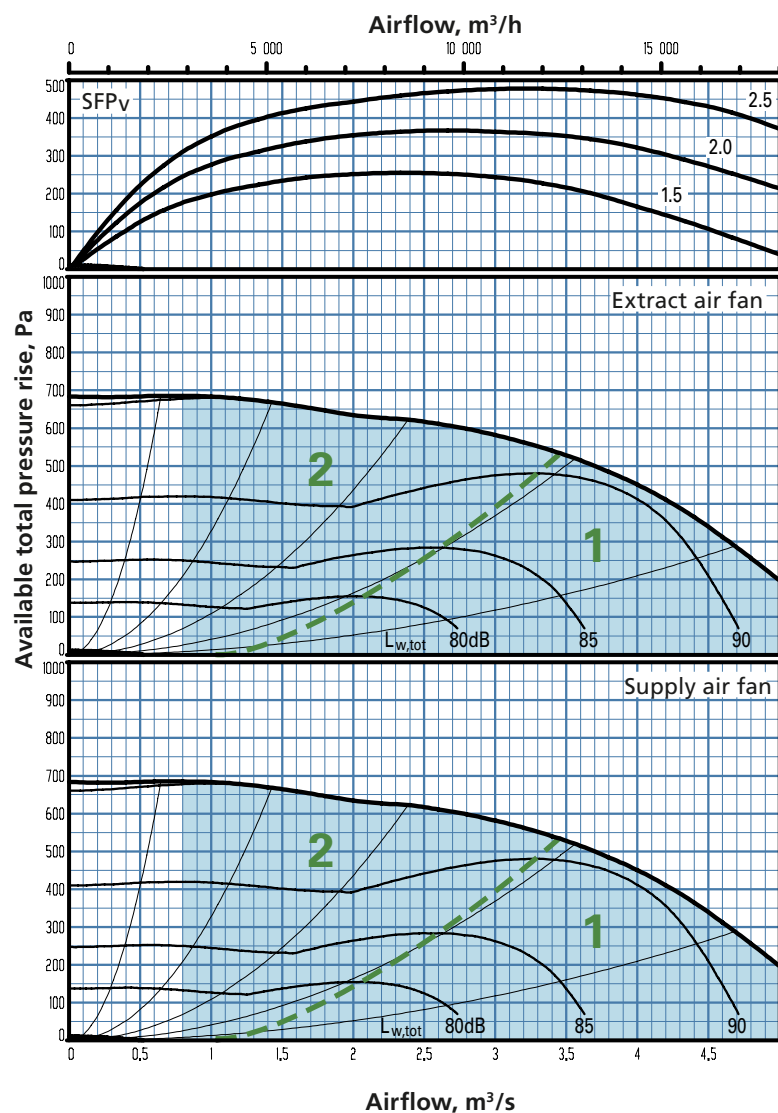
GOLD 40: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 32 A

Rated data per fan

GOLD 40: 3 x 400 V, 50 Hz, 6.5 kW

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 50



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 50	2880	0,80	18000	5,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-12 -5	-17 -8	-12 -9	-7 -7	-6 -6	-6 -7	-7 -11	-21 -23
To the inlet duct*	1 2	-16 -6	-18 -8	-14 -11	-12 -19	-31 -28	-26 -27	-38 -37	-43 -36
To the AHU surroundings**	1 2	-23 -16	-31 -22	-35 -32	-28 -28	-39 -39	-39 -40	-41 -45	-52 -54

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 50

Delivery and transport within the site

The GOLD CX 50 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level.

The air handling unit can be split into three sections to facilitate transporting it within the building site.

The three sections are joined together by bolts and the electrical and control cables have quick connectors.

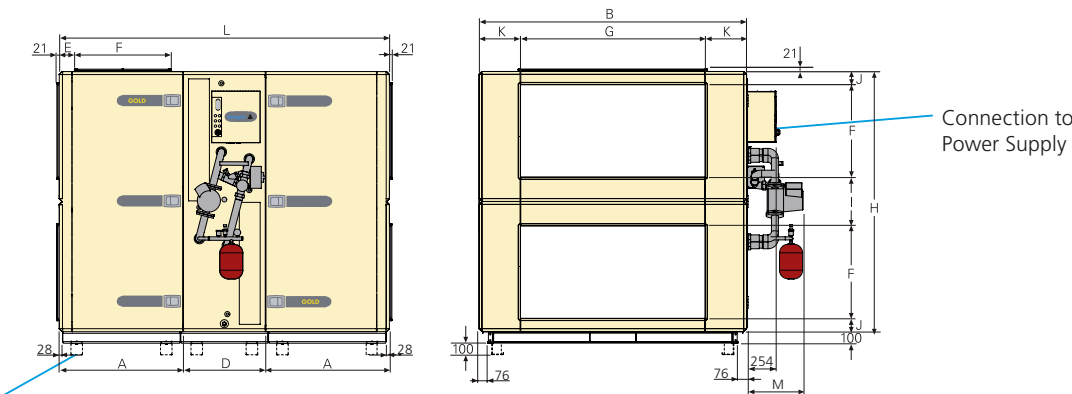
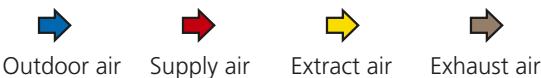
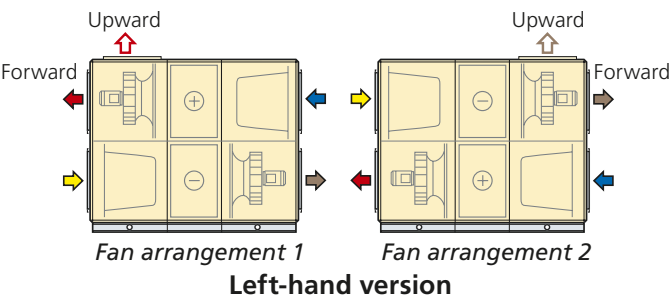
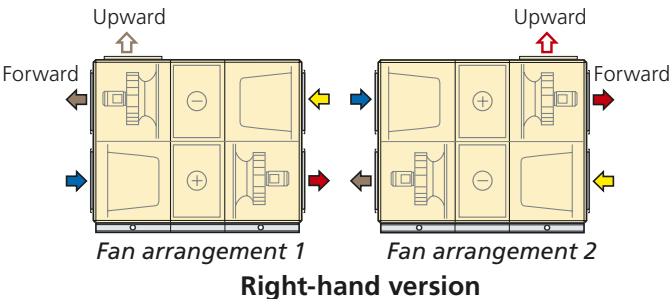
The unit is delivered on 100 mm high support feet made of steel. The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!

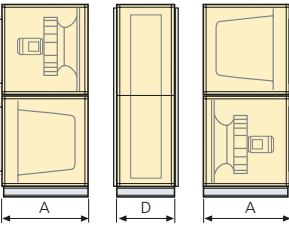
C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. Applicable to the right-hand version, fan arrangement 2 and the left-hand version, fan arrangement 1: If a water trap is fitted, in addition to the base beams, the air handling unit must be raised at least 50 mm to provide space for the water trap. It is advisable to let these support feet remain on the unit. They can also be removed and adjustable support feet (accessories) can be installed.

Size	A	B	D	E	F	G	H	I	J	K	L	M	Weight, kg
50	1050	2318	760	150	800	1600	2253	423	115	360	2860	650	2237

Division into sections for transport within the site



The unit can be divided into three sections at the building site.
Dimensions: See A and D in the table above.
Weight, size 50:
 A = 638 kg, D = 961 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 50: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 25 A

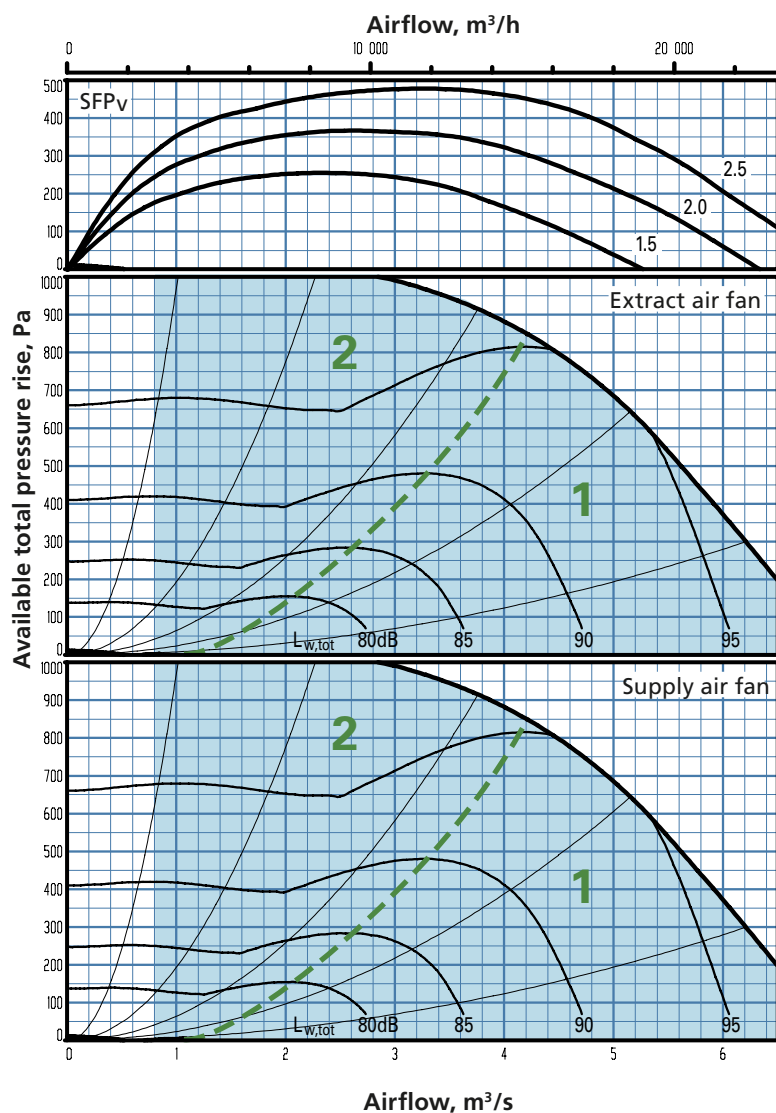
Rated data per fan

GOLD 50: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)*
 two parallel fans

**) The frequency inverter restricts the output power to the values specified.*

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 60



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 60	2880	0,80	23400	6,50

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-12	-17	-12	-7	-6	-6	-7	-21
	2	-5	-8	-9	-7	-6	-7	-11	-23
To the inlet duct*	1	-16	-18	-14	-12	-31	-26	-38	-43
	2	-6	-8	-11	-19	-28	-27	-37	-36
To the AHU surroundings**	1	-23	-31	-35	-28	-39	-39	-41	-52
	2	-16	-22	-32	-28	-39	-40	-45	-54

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

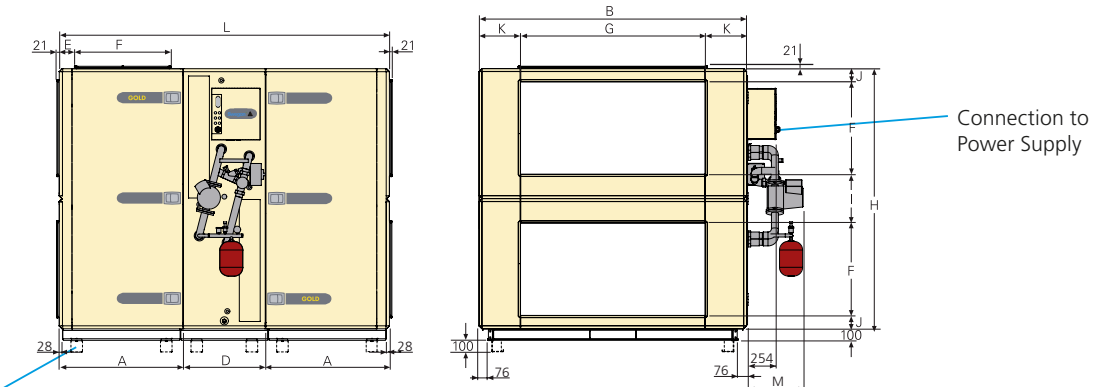
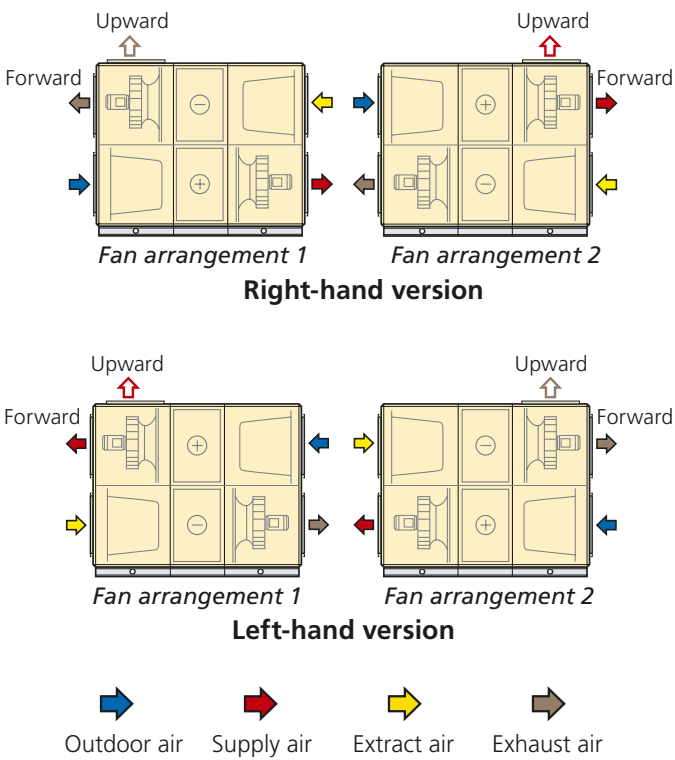
GOLD CX, coil heat exchanger, size 60

Delivery and transport within the site

The GOLD CX 60 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The unit is delivered on 100 mm high support feet made of steel. The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

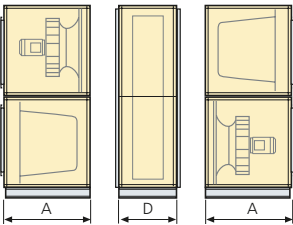
- A: Specify right-hand or left-hand version when ordering!
- B: The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!
- C: The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. Applicable to the right-hand version, fan arrangement 2 and the left-hand version, fan arrangement 1: If a water trap is fitted, in addition to the base beams, the air handling unit must be raised at least 50 mm to provide space for the water trap. It is advisable to let these support feet remain on the unit. They can also be removed and adjustable support feet (accessories) can be installed.

Size	A	B	D	E	F	G	H	I	J	K	L	M	Weight, kg
60	1050	2318	760	150	800	1600	2253	423	115	360	2860	650	2237

Division into sections for transport within the site



The unit can be divided into three sections at the building site. **Dimensions:** See A and D in the table above. **Weight, size 60:** A = 638 kg, D = 961 kg.

Clear space for inspection

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

Connection to Power Supply

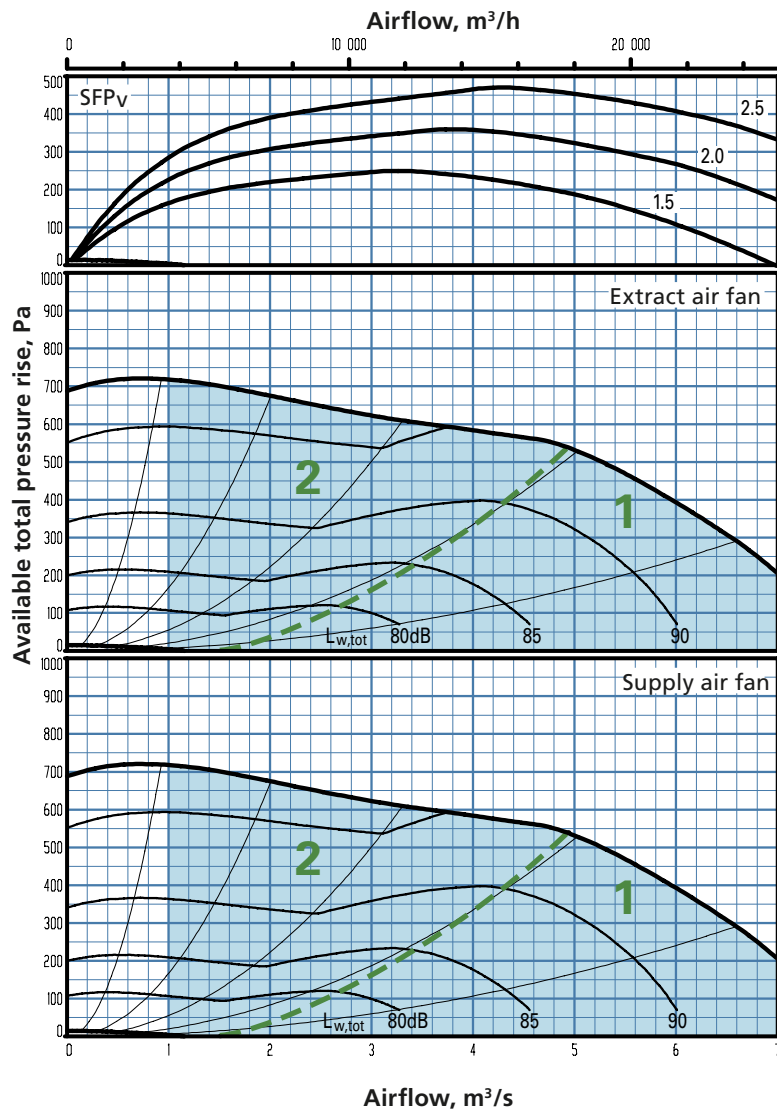
GOLD 60: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 40 A

Rated data per fan

GOLD 60: 3 x 400 V, 50 Hz, 4.6 kW, two parallel fans

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 70



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 70	3600	1,00	25200	7,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-14	-16	-19	-30	-29	-38	-43
	2	-3	-6	-11	-22	-27	-31	-37	-36
To the AHU surroundings**	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

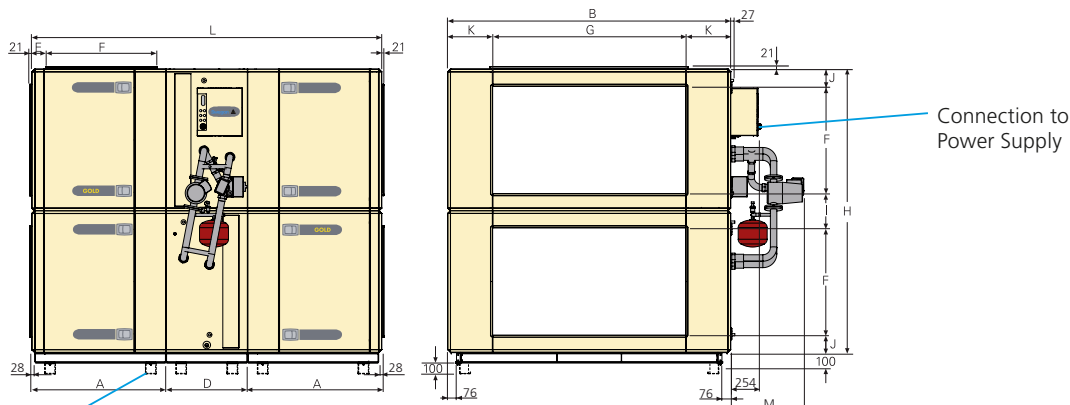
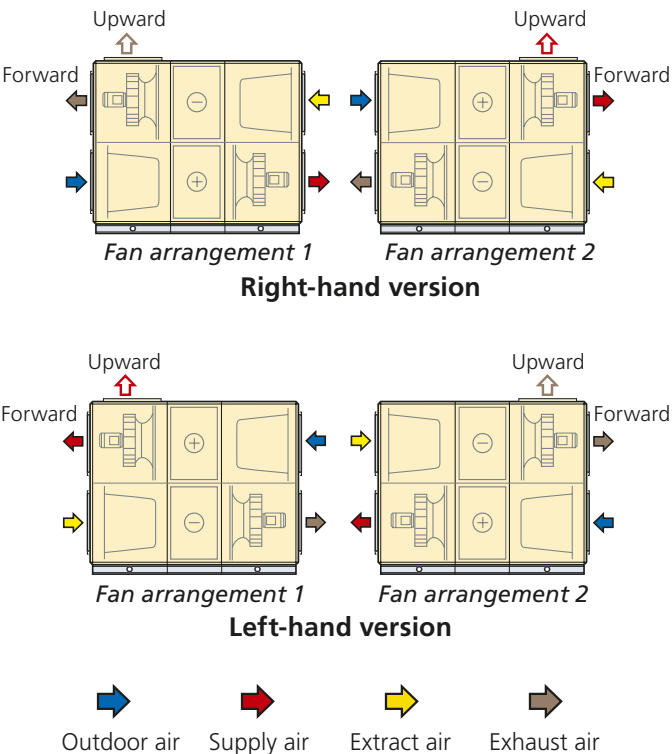
GOLD CX, coil heat exchanger, size 70

Delivery and transport within the site

The GOLD CX 70 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The unit is delivered on 100 mm high support feet made of steel. The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

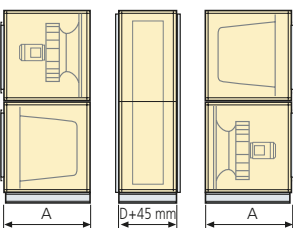
- A:** Specify right-hand or left-hand version when ordering!
- B:** The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!
- C:** The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. Applicable to the right-hand version, fan arrangement 2 and the left-hand version, fan arrangement 1: If a water trap is fitted, in addition to the base beams, the air handling unit must be raised at least 50 mm to provide space for the water trap. It is advisable to let these support feet remain on the unit. They can also be removed and adjustable support feet (accessories) can be installed.

Size	A	B	D	E	F	G	H	I	J	K	L	M	Weight, kg
70	1250	2637	760	150	1000	1800	2640	319	161	419	3260	800	3092

Division into sections for transport within the site



The unit can be divided into three sections at the building site.
Dimensions: See A and D in the table above.
Weight, size 70:
 A = 900 kg, D = 1292 kg.

Clear space for inspection

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

Connection to Power Supply

GOLD 70: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 32 A.

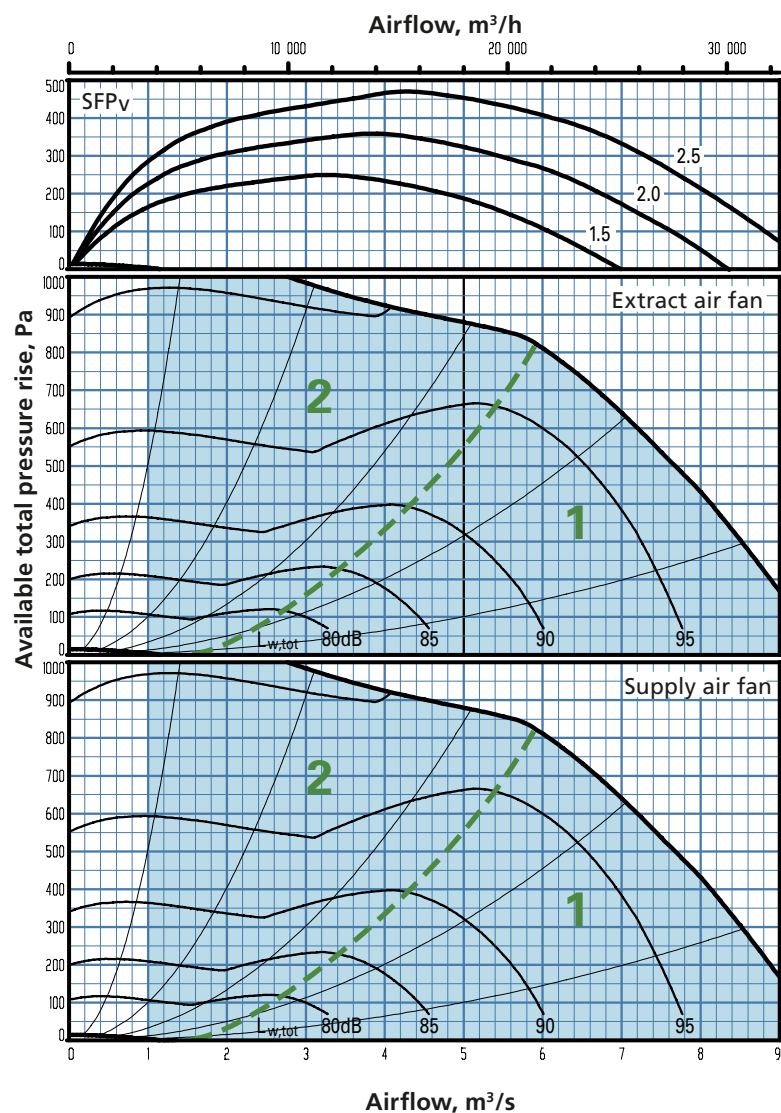
Rated data per fan

GOLD 70: 3 x 400 V, 50 Hz, 6.5 kW (3.7 kW)*
 two parallel fans

*) The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD CX, coil heat exchanger, size 80



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

The pressure drop in the chart does not include that of a droplet eliminator, if fitted.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 80	3600	1,00	32400	9,00

Correction factors K_{OK} , dB

Sound path	Range in chart	Octave band, no. / mid-frequency, Hz							
		1	2	3	4	5	6	7	8
To the outlet duct	1	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-14	-16	-19	-30	-29	-38	-43
	2	-3	-6	-11	-22	-27	-31	-37	-36
To the AHU surroundings**	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* Includes the integral attenuation of filters and the plate heat exchanger.

** The total sound power level emitted to the surroundings is the sum of the supply air and extract air sound levels.

Sizing, Installation, Dimensions and Weights

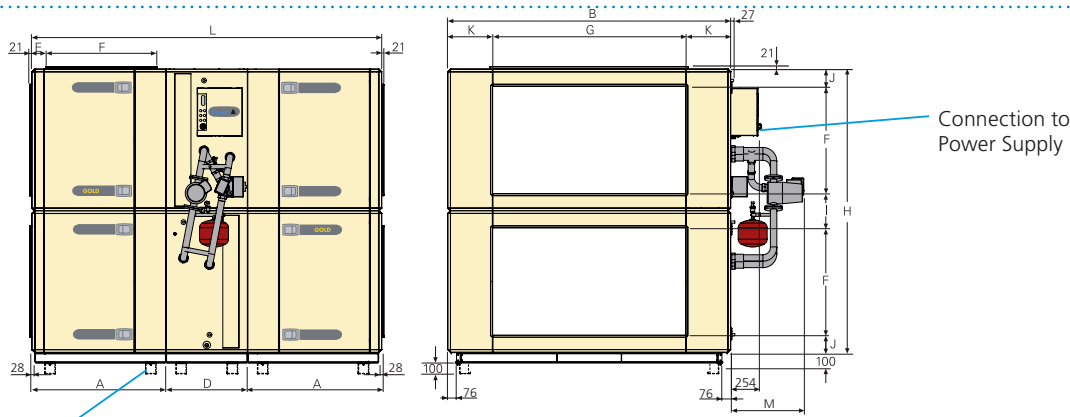
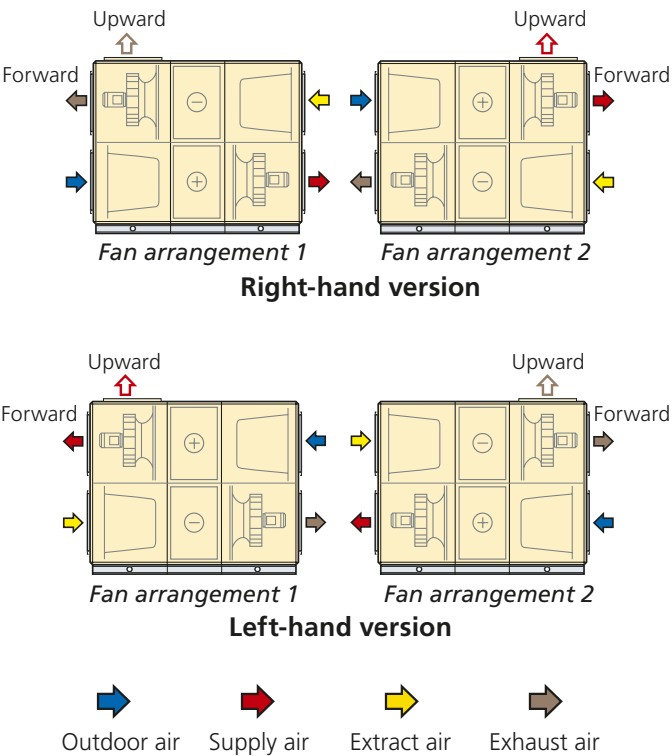
GOLD CX, coil heat exchanger, size 80

Delivery and transport within the site

The GOLD CX 80 is always supplied as two units. The one unit consists of the centre section with heat exchanger and fan/filter section where the fan is located in the upper level. The other unit consists of a fan/filter section where the fan is located in the lower level. The air handling unit can be split into three sections to facilitate transporting it within the building site. The three sections are joined together by bolts and the electrical and control cables have quick connectors. The unit is delivered on 100 mm high support feet made of steel. The coil heat exchanger system is filled with liquid from the factory.

Installation/duct connection options

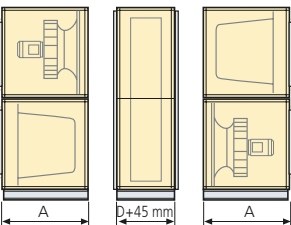
- A:** Specify right-hand or left-hand version when ordering!
- B:** The arrangement of the functional sections can be vertically reversed. Specify this by selecting fan arrangement 1 or 2 when ordering!
- C:** The fan outlet at the top of the air handling unit is covered by a cover panel. This cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for discharging air both forward and upward.



Supplied on 100 mm high support feet. They can be removed or kept as they are when the unit is in place. Applicable to the right-hand version, fan arrangement 2 and the left-hand version, fan arrangement 1: If a water trap is fitted, in addition to the base beams, the air handling unit must be raised at least 50 mm to provide space for the water trap. It is advisable to let these support feet remain on the unit. They can also be removed and adjustable support feet (accessories) can be installed.

Size	A	B	D	E	F	G	H	I	J	K	L	M	Weight, kg
80	1250	2637	760	150	1000	1800	2640	319	161	419	3260	800	3092

Division into sections for transport within the site



The unit can be divided into three sections at the building site.
Dimensions: See A and D in the table above.
Weight, size 80:
 A = 900 kg, D = 1292 kg.

Clear space for inspection

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

Connection to Power Supply

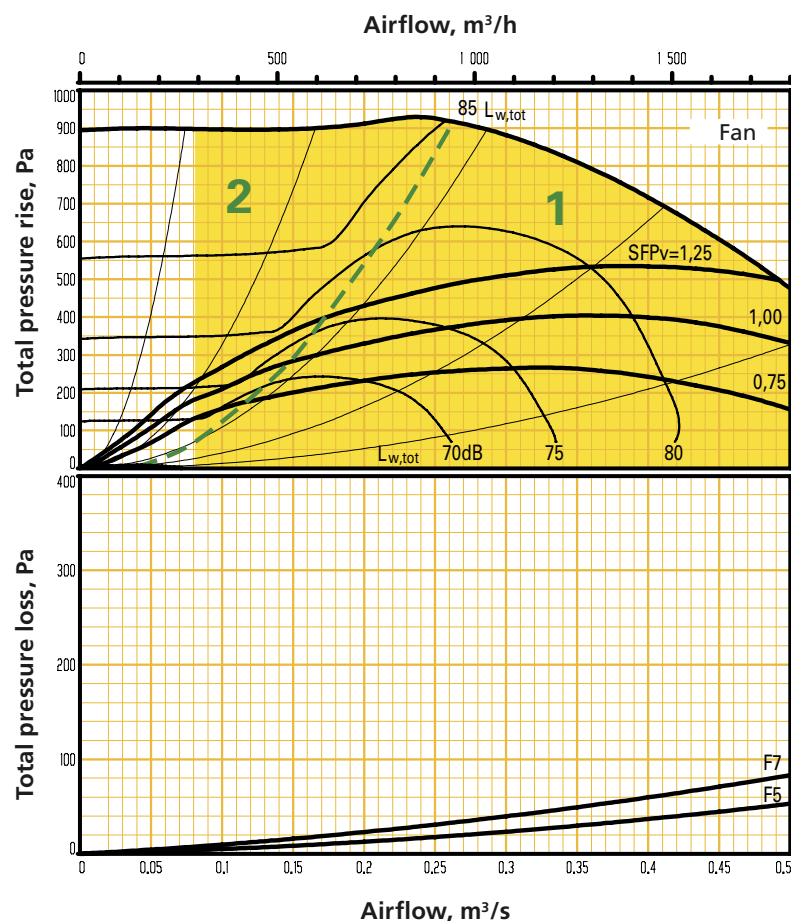
GOLD 80: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 50 A

Rated data per fan

GOLD 80: 3 x 400 V, 50 Hz, 6.5 kW, two parallel fans

Sizing, Installation, Dimensions and Weights

GOLD SD, size 04



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 04	288	0,08	1870	0,52

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-12	-11	-8	0	-6	-16
	2	0	-5	-4	-13	-10	-5	-13	-25
To the inlet duct*	1	-5	-9	-10	-8	-16	-11	-12	-32
	2	-2	-3	-3	-12	-18	-16	-20	-33
To the AHU surroundings	1	-14	-24	-35	-32	-41	-33	-40	-47
	2	-11	-19	-27	-34	-43	-38	-47	-56

* The integral attenuation of filters is not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 04

Delivery and transport within the site

The GOLD SD 04 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The GOLD SD can be used as a supply air or an extract air handling unit.

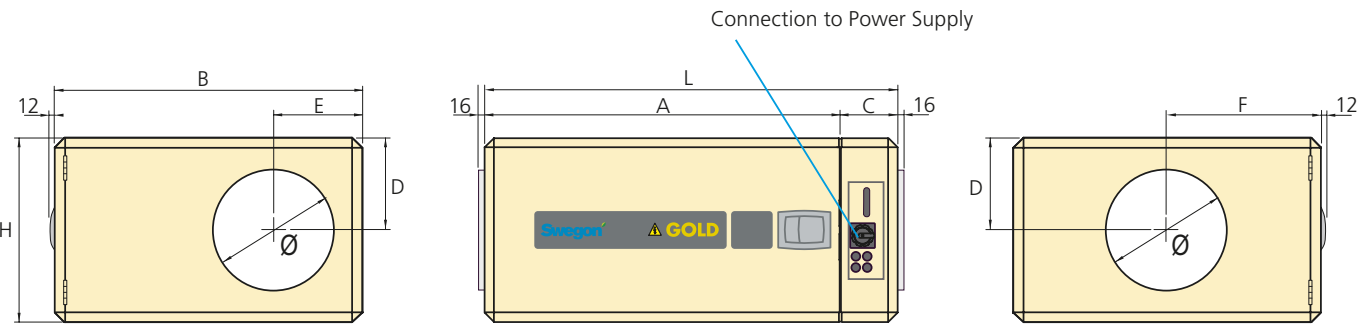
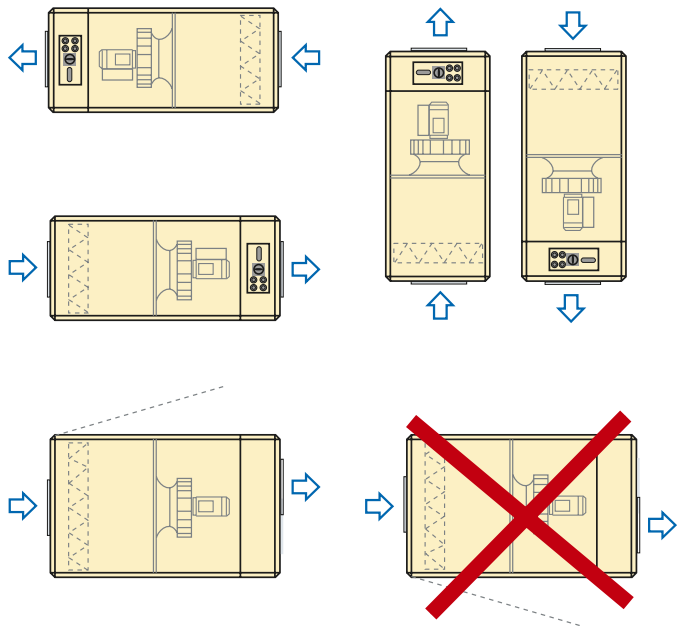
If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

Filter holders are available for pleated filters. Set of filters with pleated medium, pressure sensor, hoses and communication cable are optional extras.

The air handling unit can be upended or turned upside down. The unit can also be installed with the inspection door upward, but not downward. Horizontal GOLD units can be installed outdoors if they are equipped with the roof, air intake section and exhaust air hood accessories.

Stand/Base

The air handling unit must be mounted on a stand (accessory) or some other form of base support, so that its inspection doors can be opened.



Size	L	B	H	A	C	D	E	F	Ø	Weight, kg
04	1100	820	490	948	152	245	236	410	315	115

Clear space for inspection

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

Connection to Power Supply

GOLD 04: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A

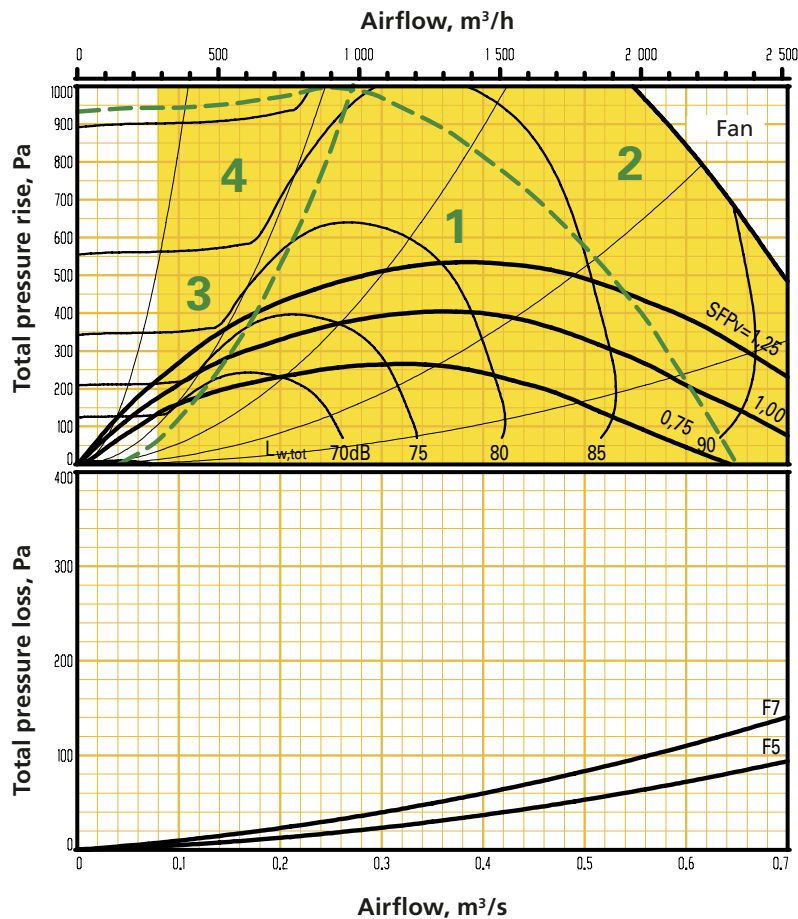
Rated data per fan

GOLD 04: 3 x 230 V, 50 Hz, 1.1 kW (0.55 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 05



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h m³/s	Max. airflow m³/h m³/s
GOLD 05	288 0,08	2450 0,68

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-3	-10	-12	-11	-8	0	-6	-16
	2	-5	-11	-10	-14	-5	-1	-7	-14
	3	0	-5	-4	-13	-10	-5	-13	-25
	4	11	-6	-5	-10	-7	-4	-10	-20
To the inlet duct*	1	-5	-9	-10	-8	-16	-11	-12	-32
	2	-9	-10	-11	-18	-14	-9	-12	-34
	3	-2	-3	-3	-12	-18	-16	-20	-33
	4	2	-7	-5	-11	-16	-15	-17	-35
To the AHU surroundings	1	-14	-24	-35	-32	-41	-33	-40	-47
	2	-16	-25	-33	-35	-38	-34	-41	-45
	3	-11	-19	-27	-34	-43	-38	-47	-56
	4	0	-20	-28	-31	-40	-37	-44	-51

* The integral attenuation of filters is not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 05

Delivery and transport within the site

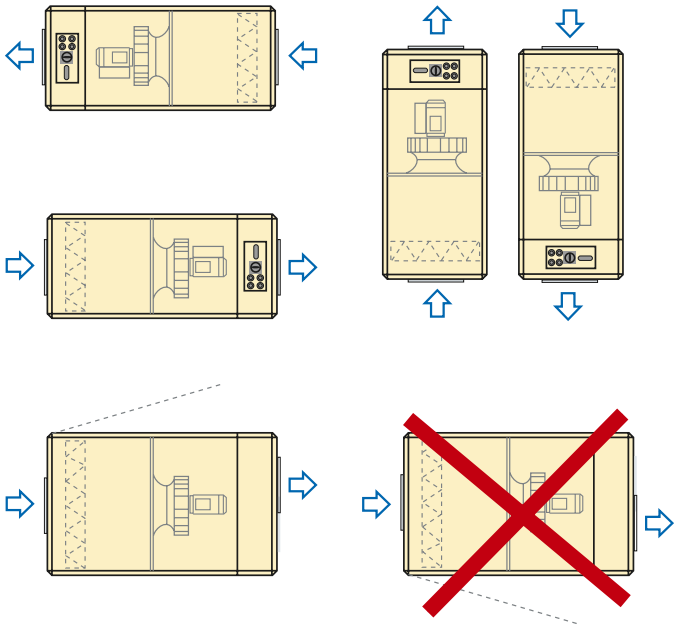
The GOLD SD 05 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The GOLD SD can be used as a supply air or an extract air handling unit.

If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

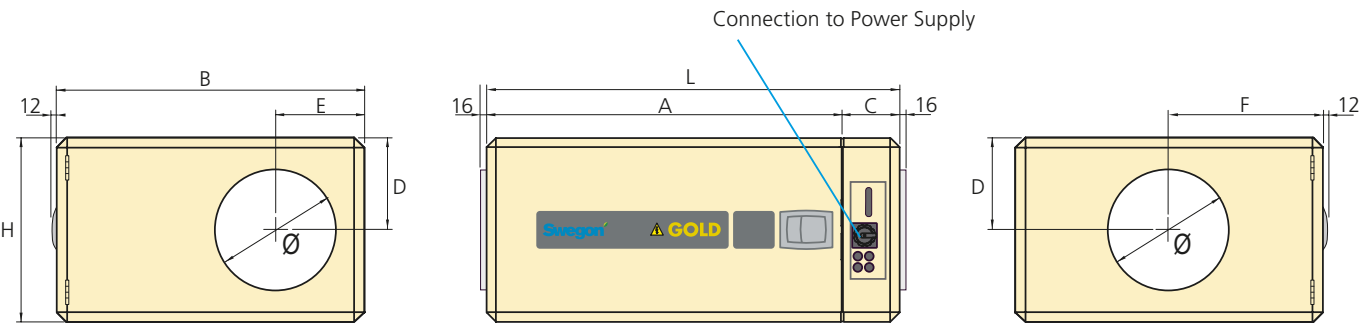
Filter holders are available for pleated filters. Set of filters with pleated medium, pressure sensor, hoses and communication cable are optional extras.

The air handling unit can be upended or turned upside down. The unit can also be installed with the inspection door upward, but not downward. Horizontal GOLD units can be installed outdoors if they are equipped with the roof, air intake section and exhaust air hood accessories.



Stand/Base

The air handling unit must be mounted on a stand (accessory) or some other form of base support, so that its inspection doors can be opened.



Size	L	B	H	A	C	D	E	F	Ø	Weight, kg
05	1100	820	490	948	152	245	236	410	315	115

Clear space for inspection

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

Connection to Power Supply

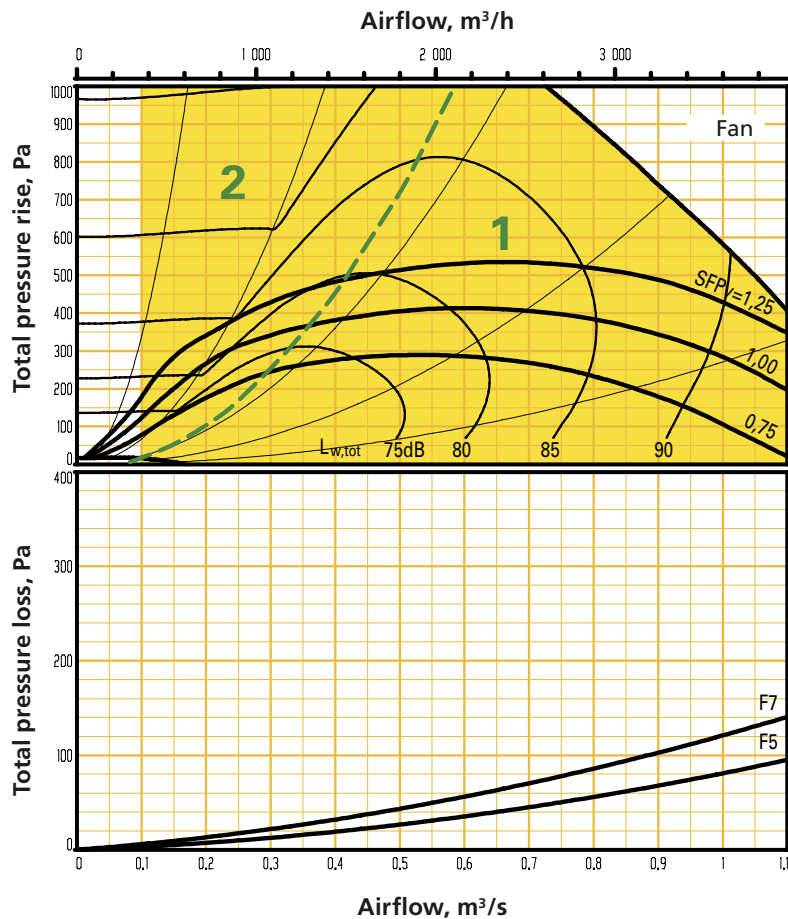
GOLD 05: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 05: 3 x 230 V, 50 Hz, 1.1 kW

Sizing, Installation, Dimensions and Weights

GOLD SD, size 08



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 08	360	0,10	3780	1,05

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-4	-6	-10	-12	-11	-15	-27
	2	2	-4	-8	-9	-11	-9	-12	-24
To the inlet duct*	1	-2	-2	-2	-7	-15	-14	-18	-33
	2	-2	-3	-3	-8	-18	-14	-16	-21
To the AHU surroundings	1	-10	-18	-29	-31	-45	-44	-49	-58
	2	-9	-18	-31	-30	-44	-42	-46	-55

* The integral attenuation of filters is not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 08

Delivery and transport within the site

The GOLD SD 08 is produced in one single variant. All of its components are arranged at their given physical location inside the air handling unit.

The GOLD SD can be used as a supply air or an extract air handling unit.

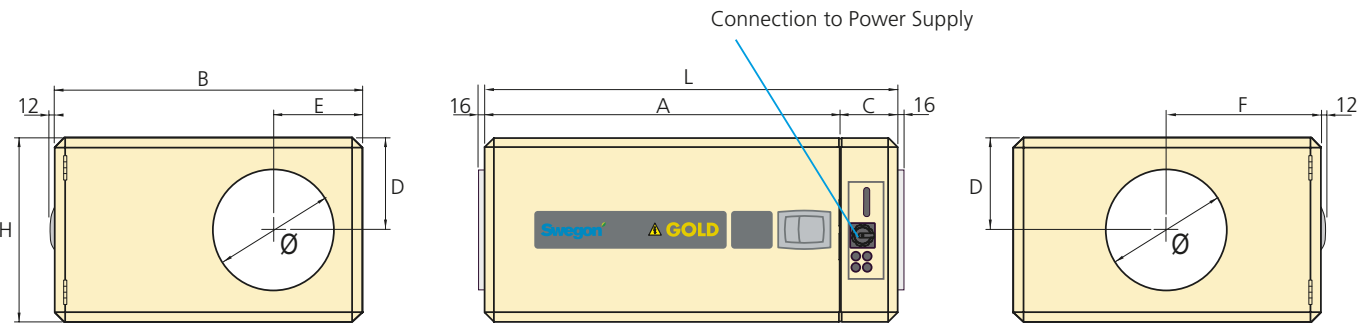
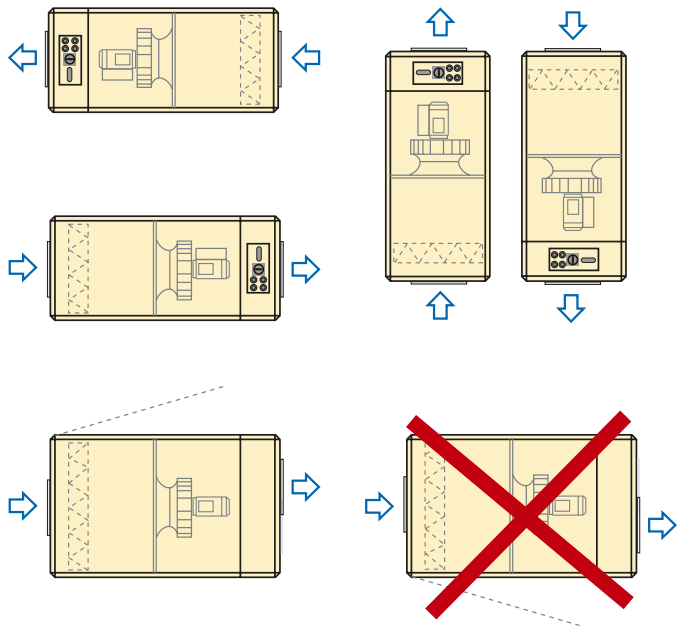
If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

Filter holders are available for pleated filters. Set of filters with pleated medium, pressure sensor, hoses and communication cable are optional extras.

The air handling unit can be upended or turned upside down. The unit can also be installed with the inspection door upward, but not downward. Horizontal GOLD units can be installed outdoors if they are equipped with the roof, air intake section and exhaust air hood accessories.

Stand/Base

The air handling unit must be mounted on a stand (accessory) or some other form of base support so that the inspection doors can be opened.



Size	L	B	H	A	C	D	E	F	Ø	Weight, kg
08	1175	990	575	1023	152	288	321	495	400	150

Clear space for inspection

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

Connection to Power Supply

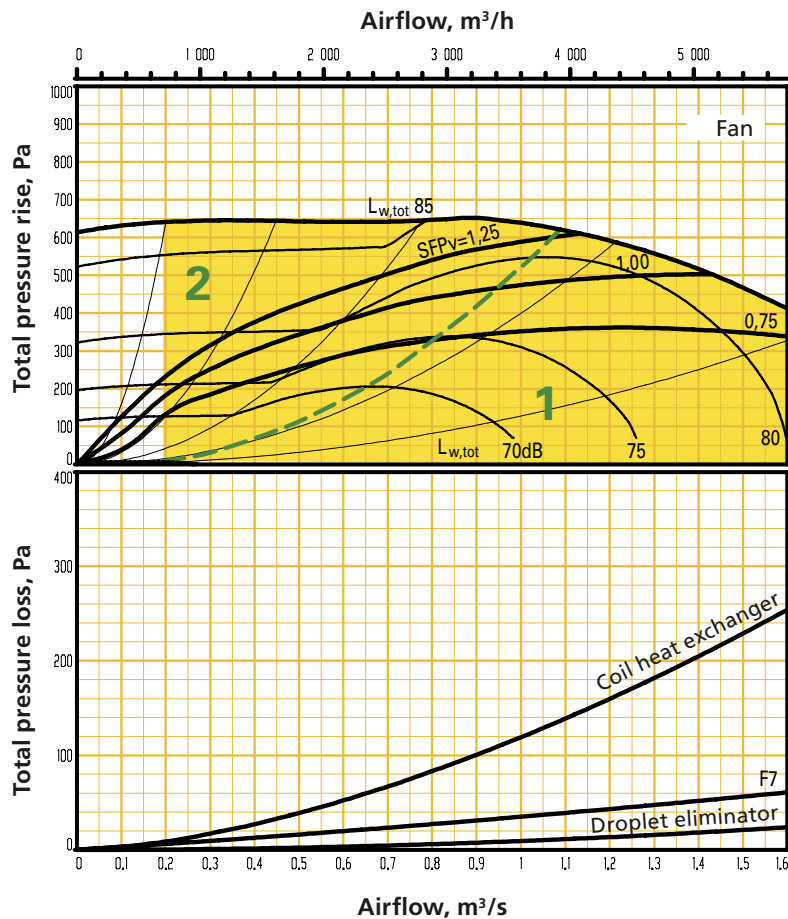
GOLD 08: 1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 08: 3 x 230 V, 50 Hz, 1.4 kW

Sizing, Installation, Dimensions and Weights

GOLD SD, size 14



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 14	720	0,20	5760	1,60

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-15	-7	-7	-6	-7	-7	-22
	2	1	-6	-6	-6	-6	-8	-13	-21
To the inlet duct*	1	-10	-13	-7	-12	-16	-11	-13	-20
	2	-5	-8	-7	-20	-18	-15	-13	-19
To the AHU surroundings	1	-19	-29	-30	-28	-39	-40	-41	-53
	2	-10	-20	-29	-27	-39	-41	-47	-52

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

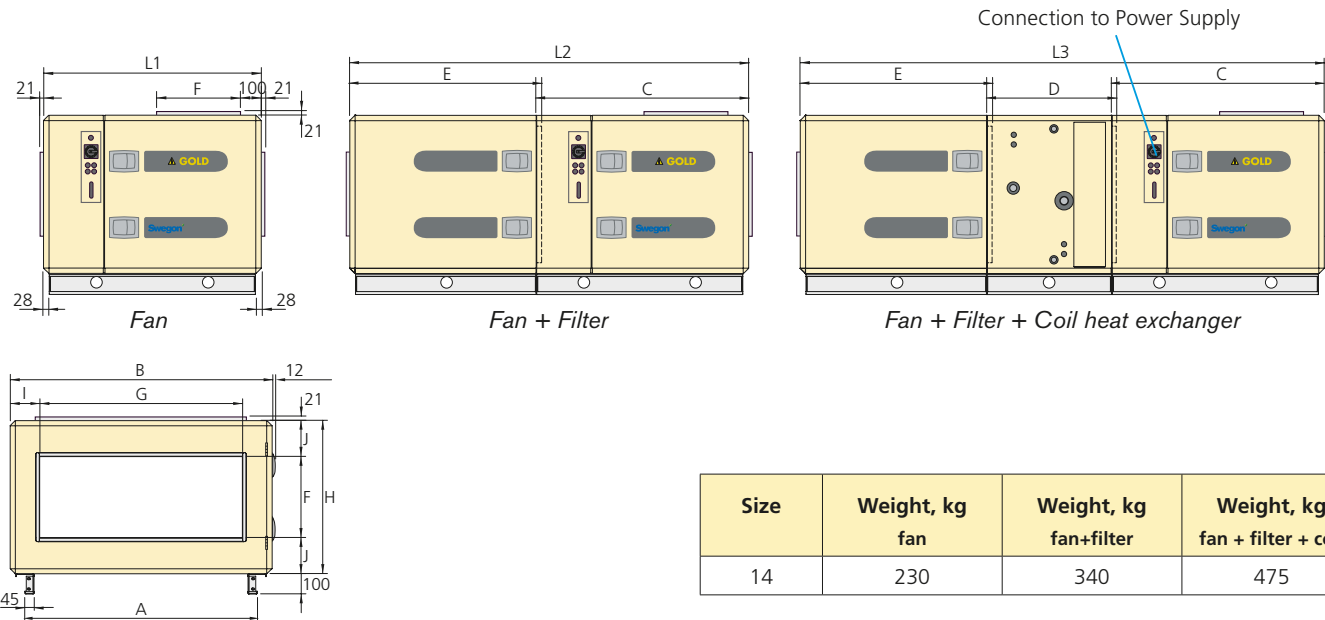
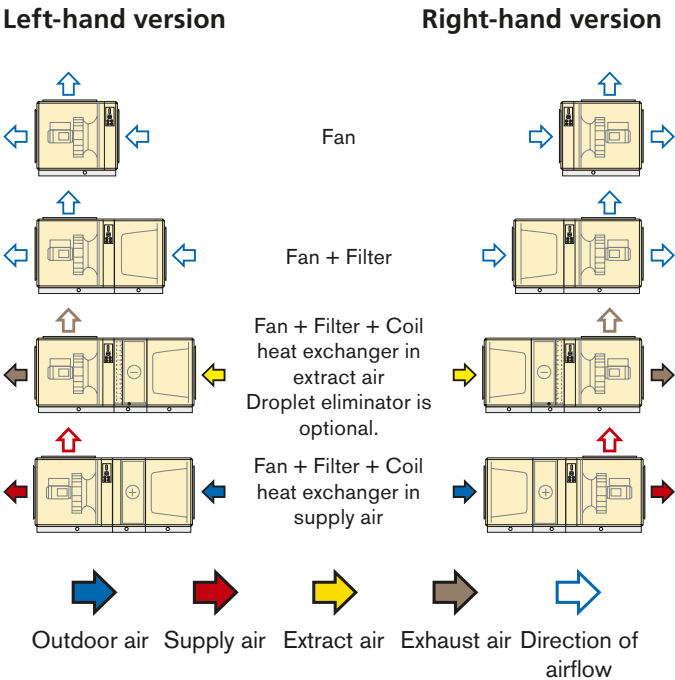
GOLD SD, size 14

Delivery and transport within the site

The size 14 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be be used for both forward and upward air discharge.



Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
14	1040	1909	2505	1295	756	1146	1012	619	919	400	1000	146	178

Clear space for inspection

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

Connection to Power Supply

GOLD 14: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

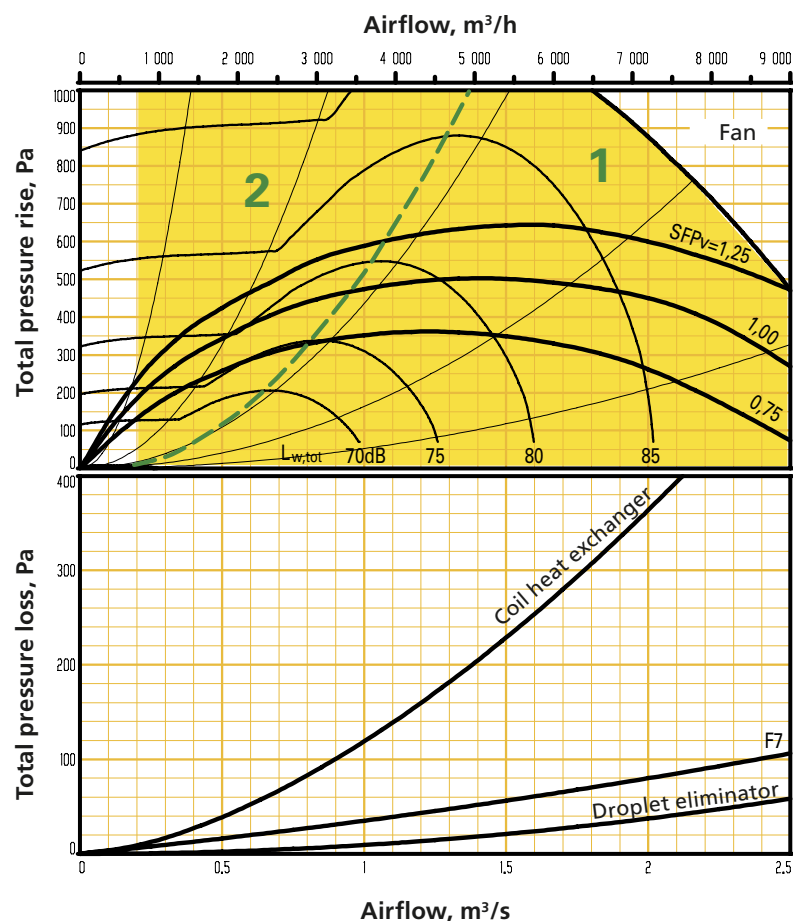
Rated data per fan

GOLD 14: 3 x 400 V, 50 Hz, 3.0 kW (1.2 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 20



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h m³/s	Max. airflow m³/h m³/s
GOLD 20	720 0,20	9000 2,50

Correction factors K_{OK} , dB

Sound path	Range in chart	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 2	-8 1	-15 -6	-7 -6	-7 -6	-6 -6	-7 -8	-7 -13	-22 -21
To the inlet duct*	1 2	-10 -5	-13 -8	-7 -7	-12 -20	-16 -18	-11 -15	-13 -13	-20 -19
To the AHU surroundings	1 2	-19 -10	-29 -20	-30 -29	-28 -27	-39 -39	-40 -41	-41 -47	-53 -52

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

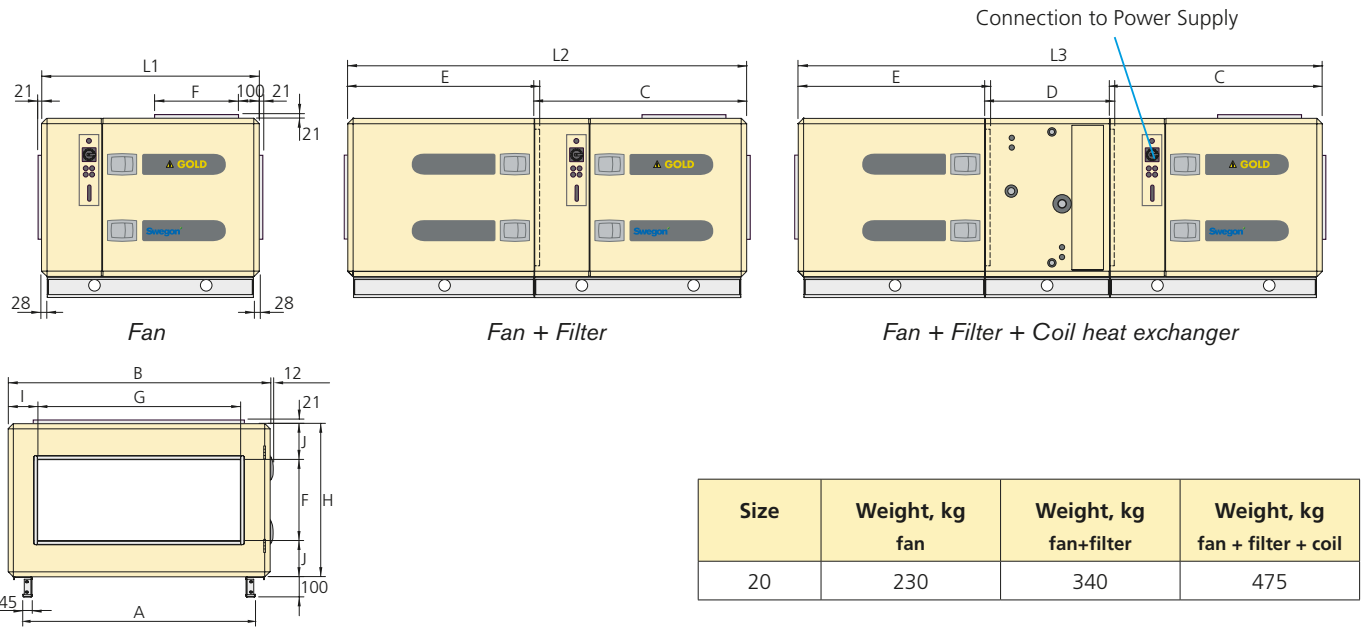
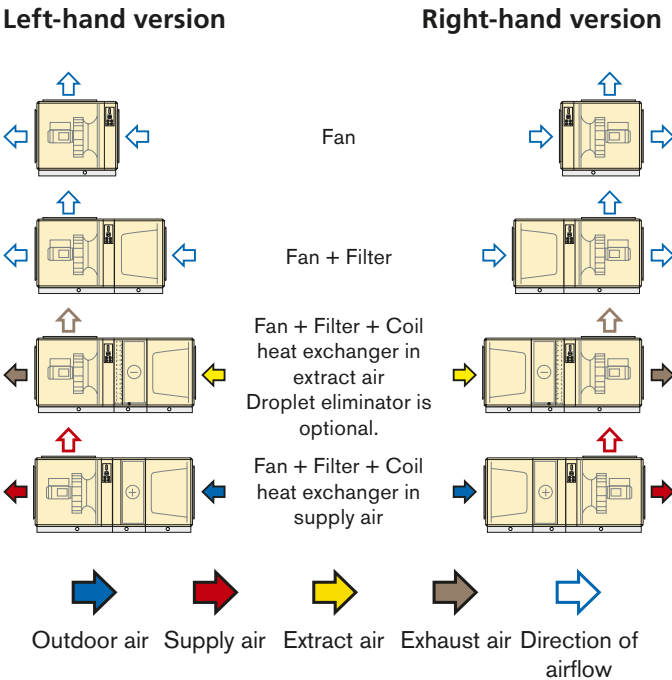
GOLD SD, size 20

Delivery and transport within the site

The size 20 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
20	230	340	475

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
20	1040	1909	2505	1295	756	1146	1012	619	919	400	1000	146	178

Clear space for inspection

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

Connection to Power Supply

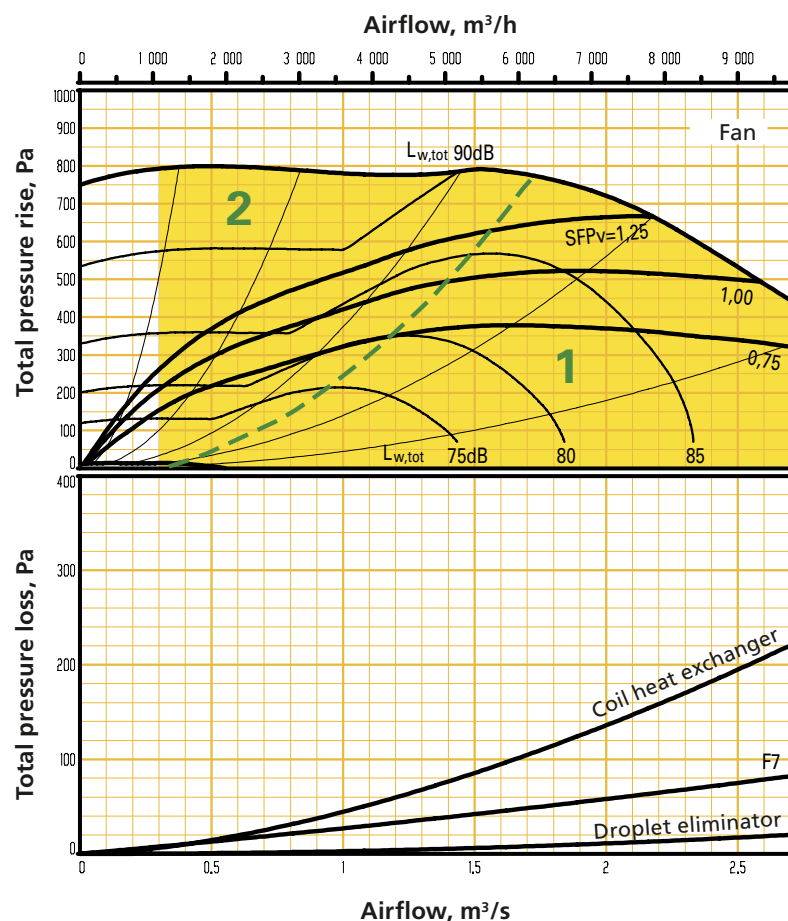
GOLD 20: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 20: 3 x 400 V, 50 Hz, 3.0 kW

Sizing, Installation, Dimensions and Weights

GOLD SD, size 25



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	m³/s	Max. airflow m³/h	m³/s
GOLD 25	1080	0,30	9720	2,70

Correction factors K_{OK}, dB

Sound path	Range in chart	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	-15	-7	-7	-6	-7	-7	-22
	2	1	-6	-6	-6	-6	-8	-13	-21
To the inlet duct*	1	-10	-13	-7	-12	-16	-11	-13	-20
	2	-5	-8	-7	-20	-18	-15	-13	-19
To the AHU surroundings	1	-19	-29	-30	-28	-39	-40	-41	-53
	2	-10	-20	-29	-27	-39	-41	-47	-52

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

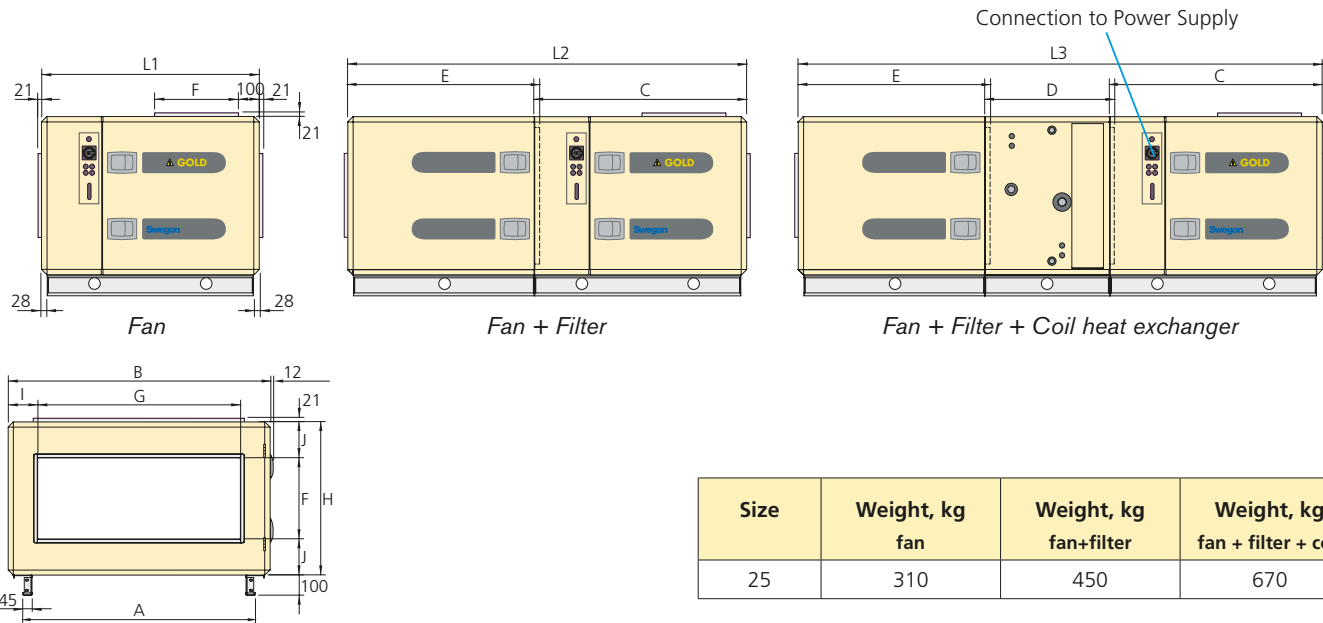
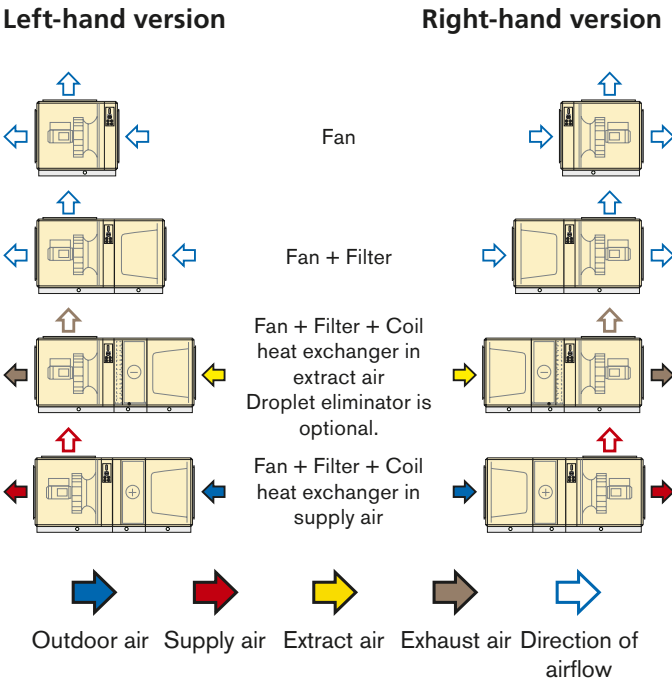
GOLD SD, size 25

Delivery and transport within the site

The size 25 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
25	310	450	670

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
25	1145	2014	2610	1595	1446	1336	1117	619	919	500	1200	194	263

Clear space for inspection

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

Connection to Power Supply

GOLD 25: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

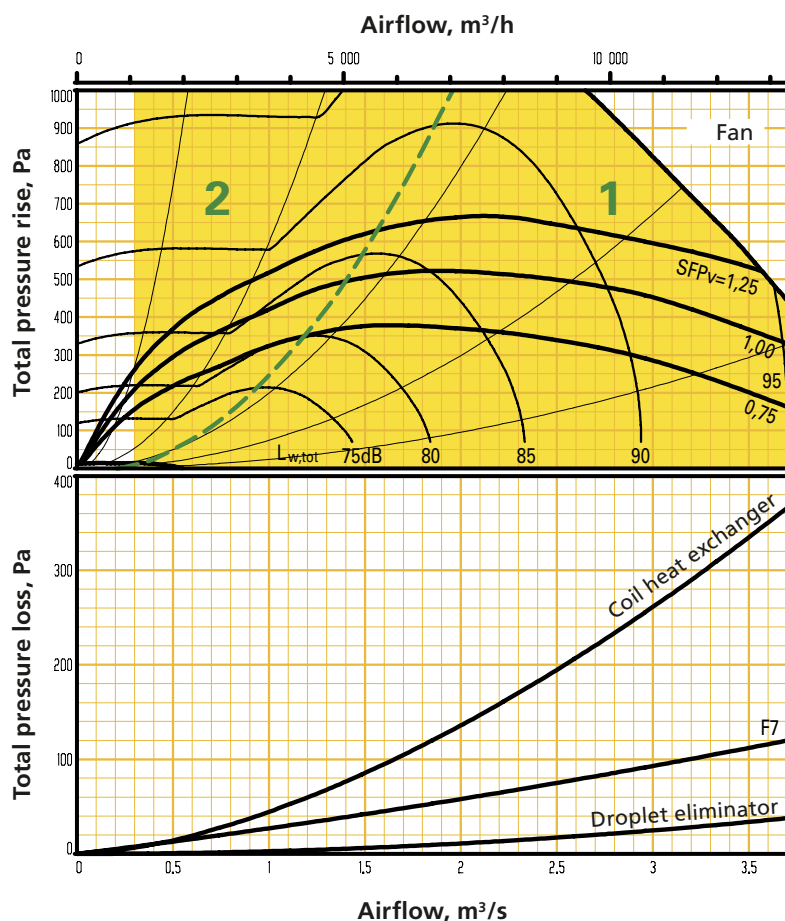
Rated data per fan

GOLD 25: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 30



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h m³/s	Max. airflow m³/h m³/s
GOLD 30	1080 0,30	13320 3,70

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-15	-7	-7	-6	-7	-7	-22
	2	1	-6	-6	-6	-6	-8	-13	-21
To the inlet duct*	1	-10	-13	-7	-12	-16	-11	-13	-20
	2	-5	-8	-7	-20	-18	-15	-13	-19
To the AHU surroundings	1	-19	-29	-30	-28	-39	-40	-41	-53
	2	-10	-20	-29	-27	-39	-41	-47	-52

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

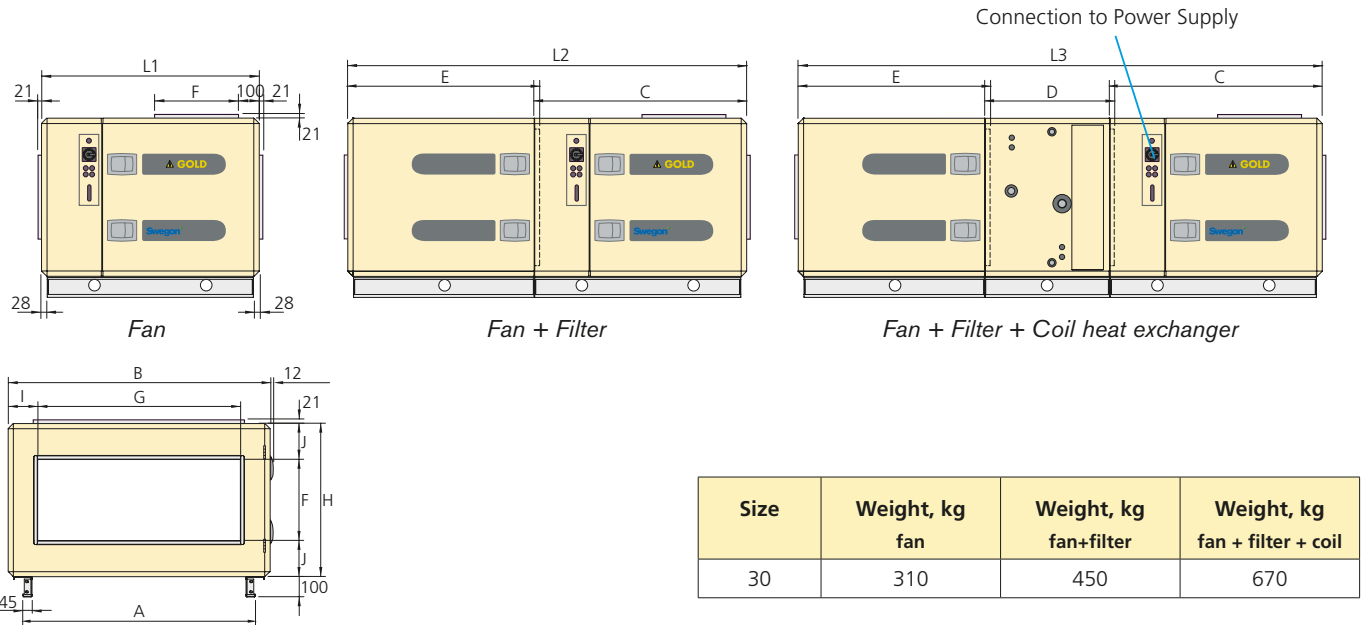
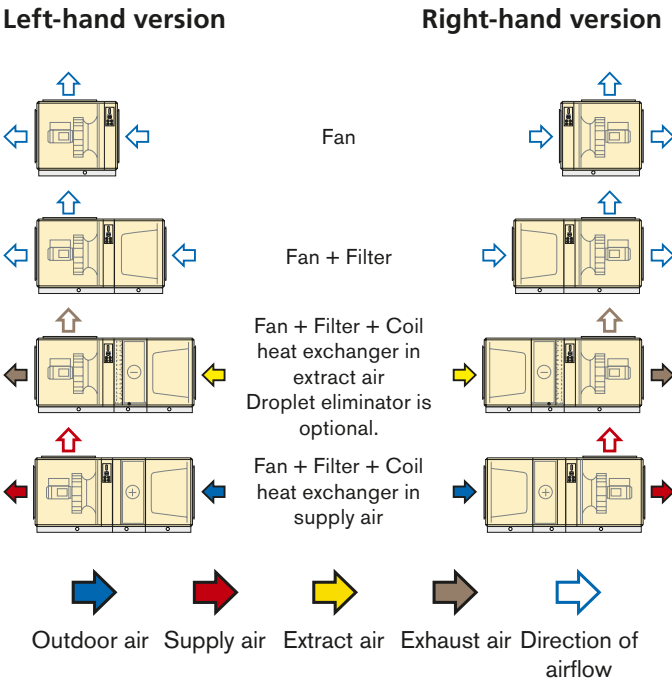
GOLD SD, size 30

Delivery and transport within the site

The size 30 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
30	1145	2014	2610	1595	1026	1446	1117	619	919	500	1200	194	263

Clear space for inspection

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

Connection to Power Supply

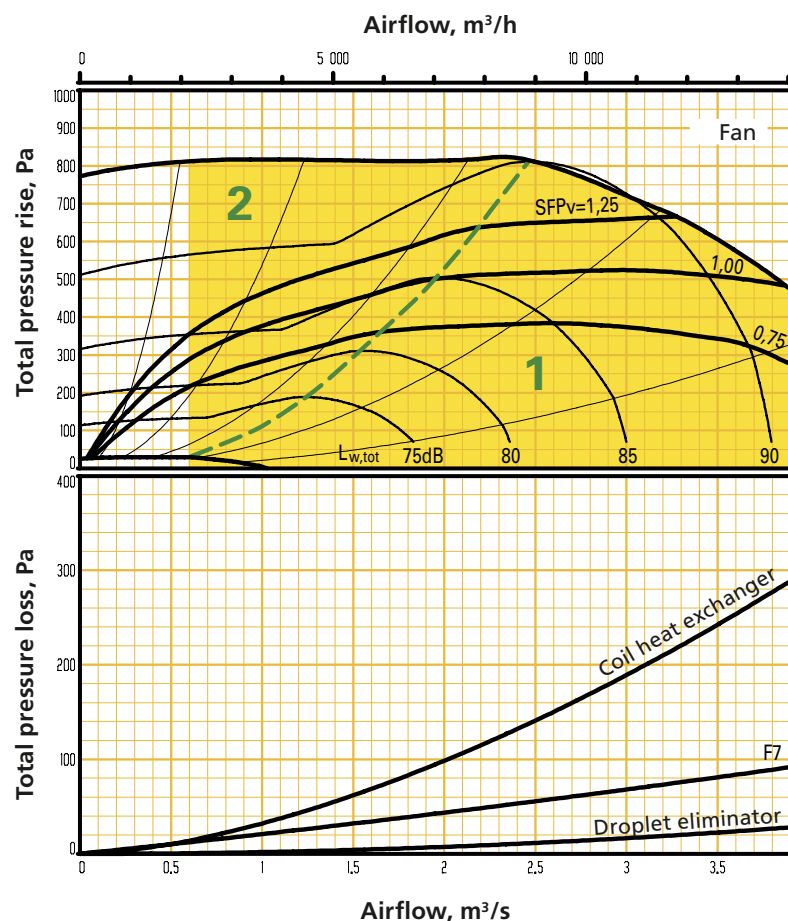
GOLD 30: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

GOLD 30: 3 x 400 V, 50 Hz, 4.6 kW

Sizing, Installation, Dimensions and Weights

GOLD SD, size 35



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 35	2160	0,60	14040	3,90

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-13	-9	-12	-18	-12	-18	-30
	2	-3	-5	-4	-15	-15	-14	-17	-23
To the AHU surroundings	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

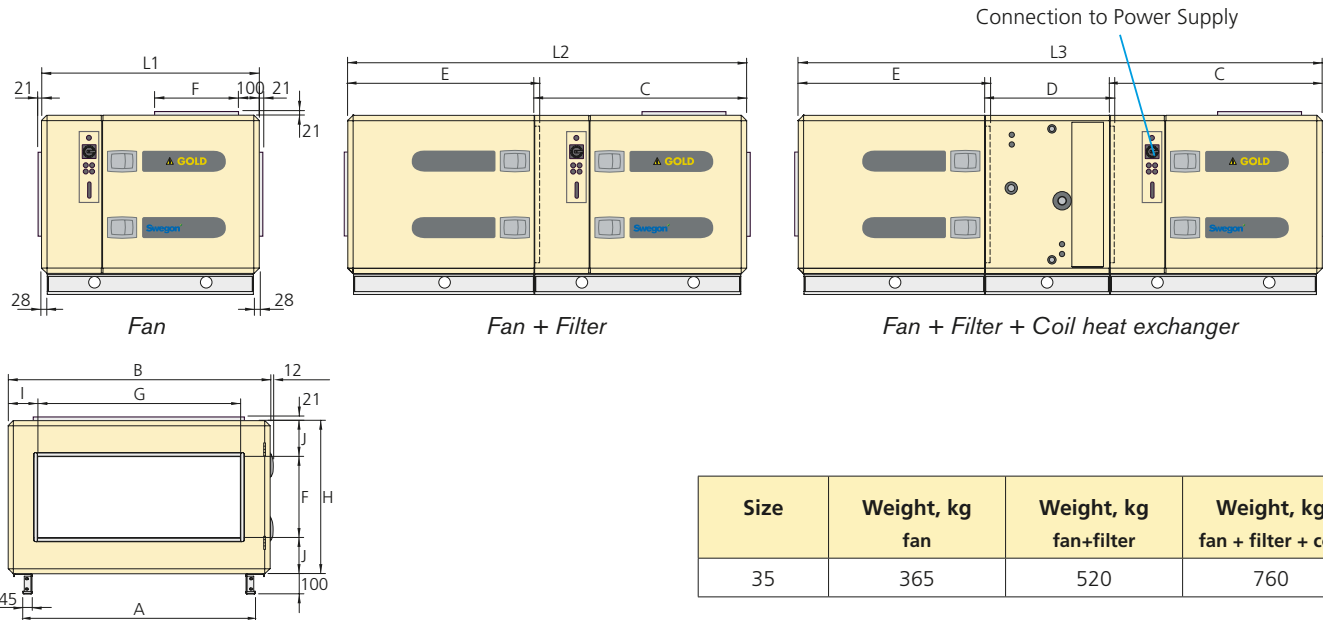
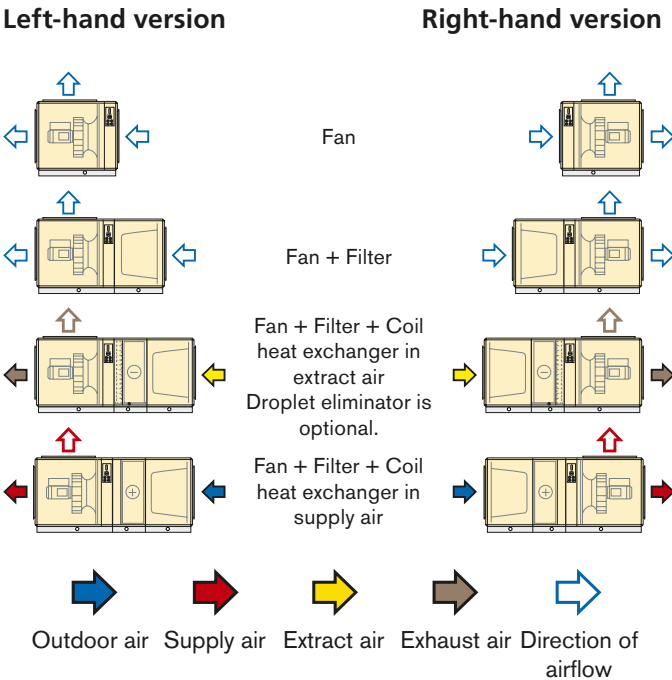
GOLD SD, size 35

Delivery and transport within the site

The size 35 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
35	1145	2014	2610	1885	1026	1736	1117	619	919	600	1400	242	213

Clear space for inspection

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

Connection to Power Supply

GOLD 35: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

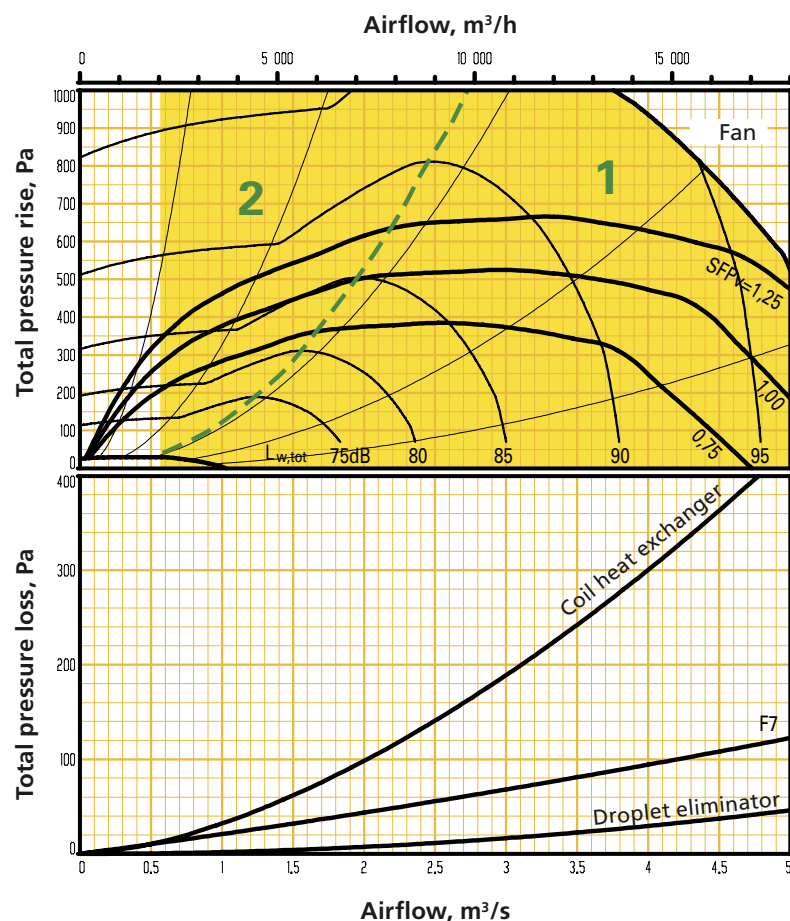
Rated data per fan

GOLD 35: 3 x 400 V, 50 Hz, 6.5 kW (3.1 kW)*

* The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 40



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow m³/h	Min. airflow m³/s	Max. airflow m³/h	Max. airflow m³/s
GOLD 40	2160	0,60	18000	5,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-13	-9	-12	-18	-12	-18	-30
	2	-3	-5	-4	-15	-15	-14	-17	-23
To the AHU surroundings	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

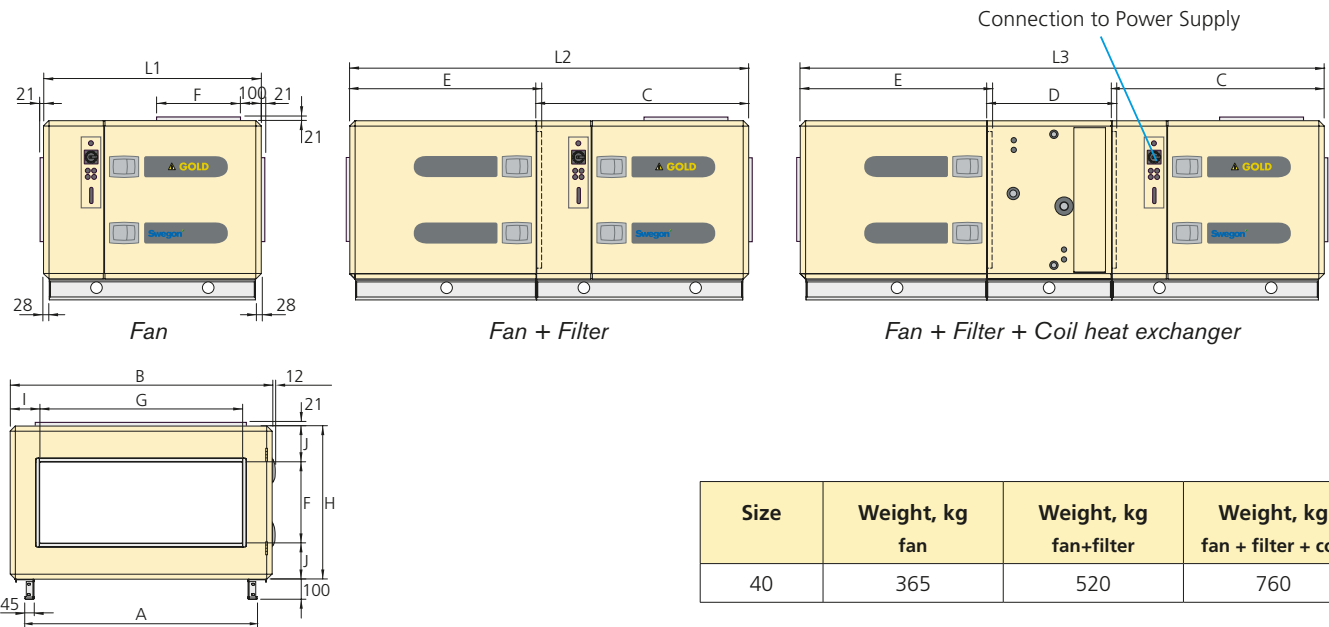
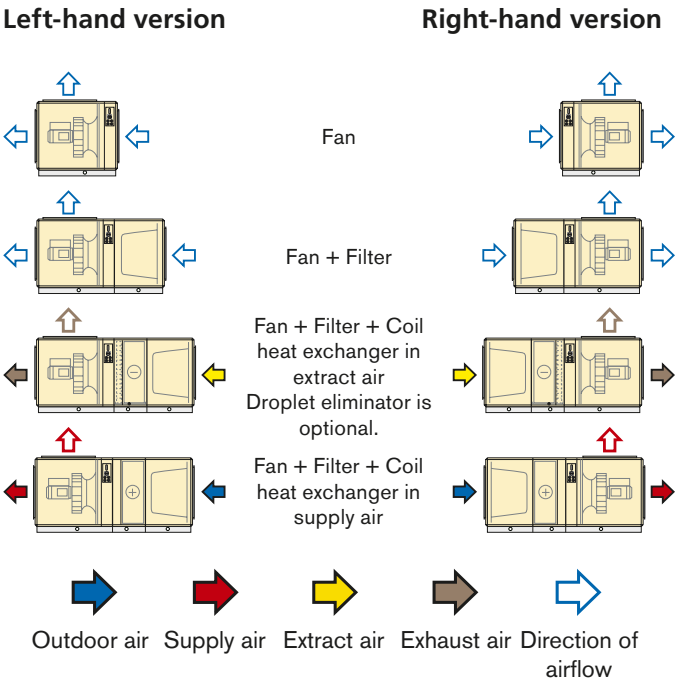
GOLD SD, size 40

Delivery and transport within the site

The size 40 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. The air handling unit is delivered on wooden beams.

Installation/duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
40	1145	2014	2610	1885	1026	1736	1117	619	919	600	1400	242	213

Clear space for inspection

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

Connection to Power Supply

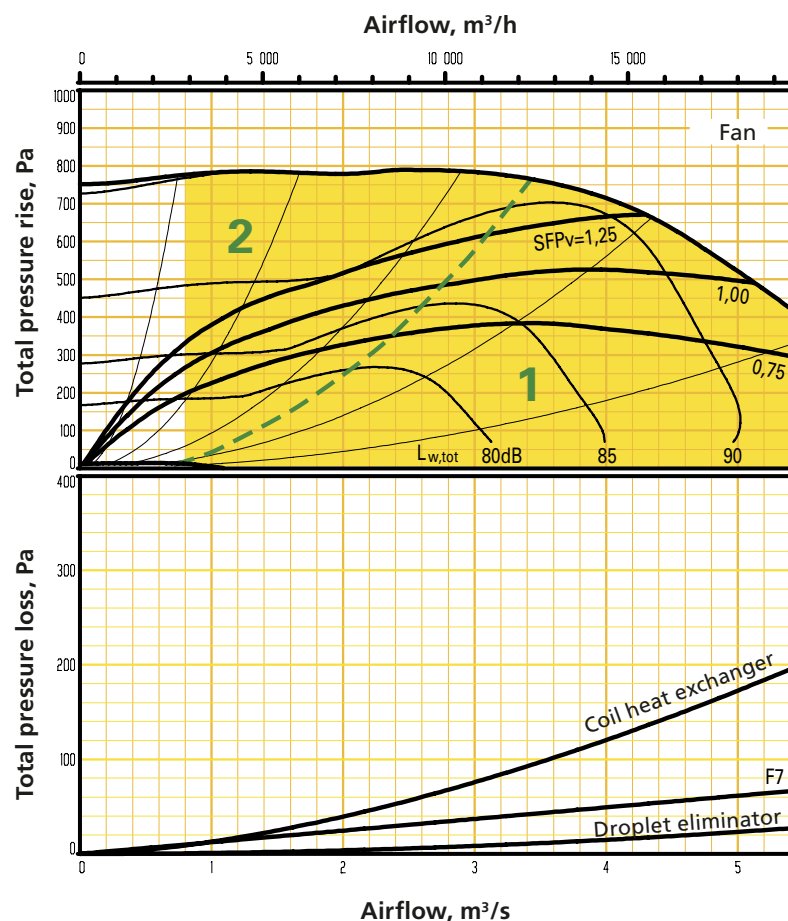
GOLD 40: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

Rated data per fan

GOLD 40: 3 x 400 V, 50 Hz, 6.5 kW

Sizing, Installation, Dimensions and Weights

GOLD SD, size 50



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 50	2880	0,80	19440	5,40

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-12	-17	-12	-7	-6	-6	-7	-21
	2	-5	-8	-9	-7	-6	-7	-11	-23
To the inlet duct*	1	-16	-17	-7	-5	-19	-9	-18	-30
	2	-6	-7	-4	-12	-16	-10	-17	-23
To the AHU surroundings	1	-23	-31	-35	-28	-39	-39	-41	-52
	2	-16	-22	-32	-28	-39	-40	-45	-54

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

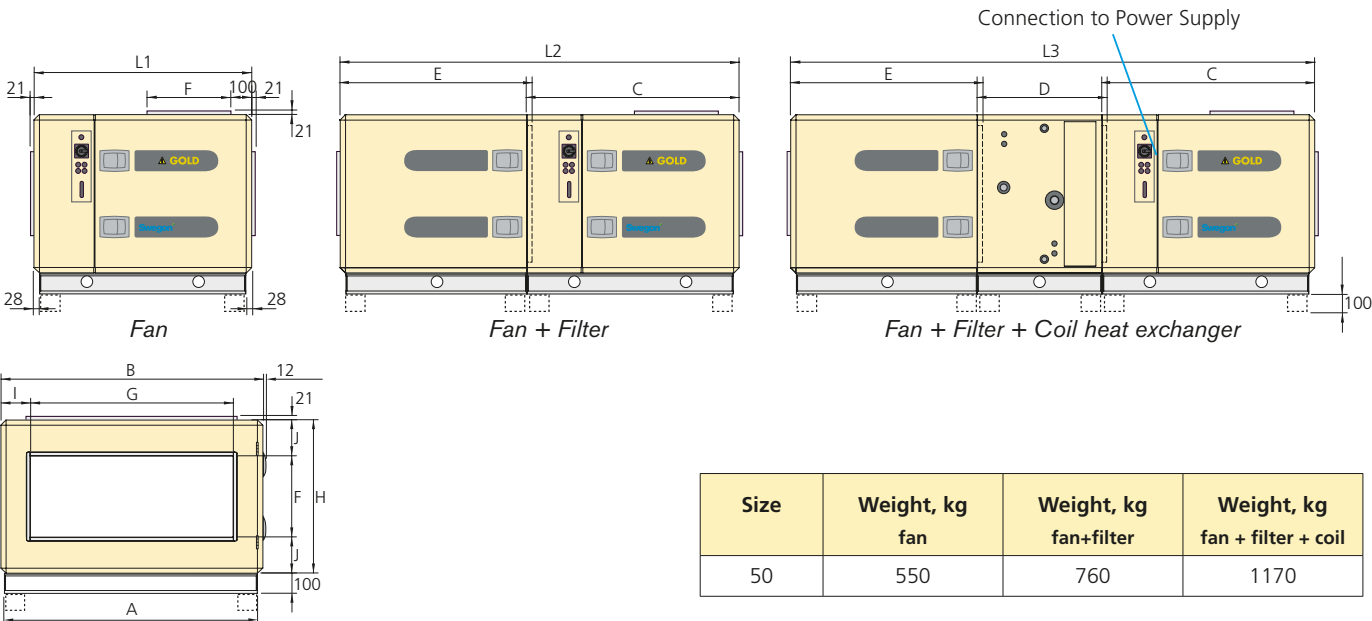
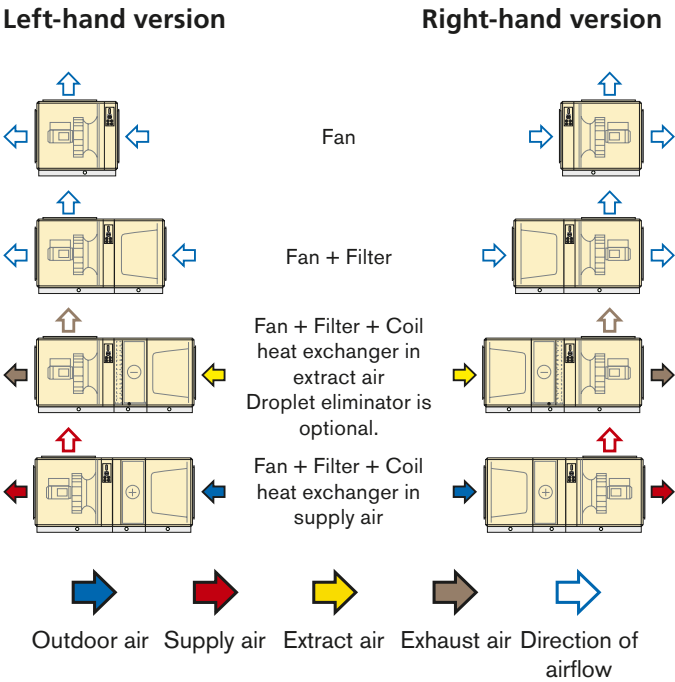
GOLD SD, size 50

Delivery and transport within the site

The GOLD SD 50 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger. The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site. The sections are jointed together by means of bolts. The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units. Supplied on 100 m high support feet.

Duct connection options

A: Specify right-hand or left-hand version when ordering!
B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.



Size	L1	L2	L3	A	B	H	C	D	E	F	G	I	J
50	1145	2014	2610	2165	2313	1320	1117	619	919	800	1600	355	260

Clear space for inspection

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

Connection to Power Supply

GOLD 50: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

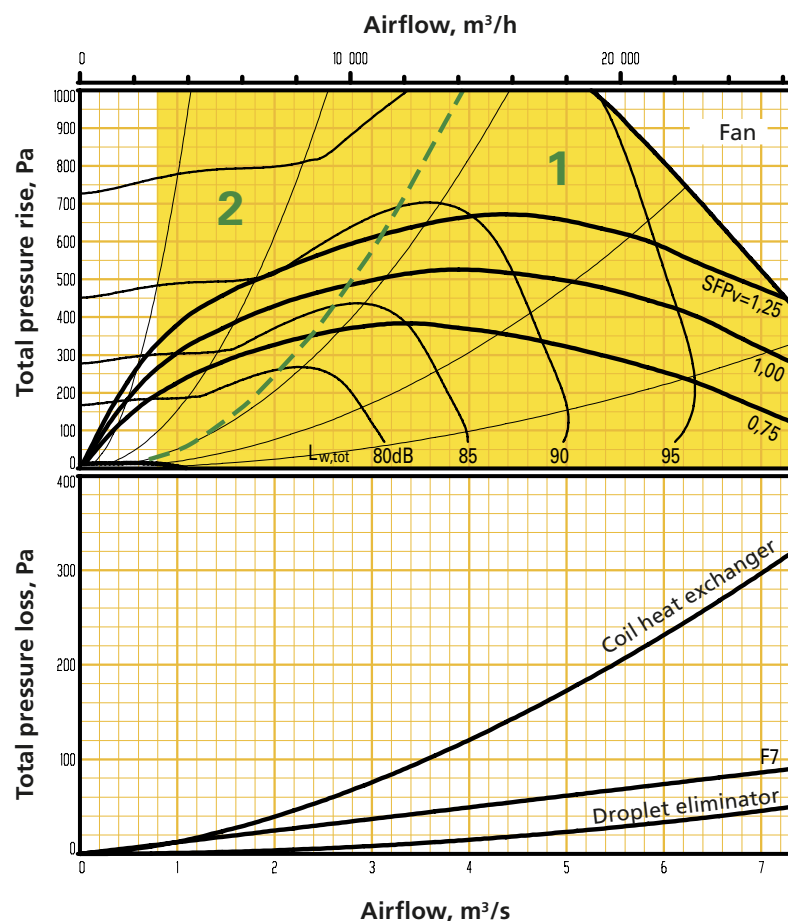
Rated data per fan

GOLD 50: 3 x 400 V, 50 Hz, 4.6 kW (2.3 kW)* two parallel fans

*) The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 60



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 60	2880	0,80	26280	7,30

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-12	-17	-12	-7	-6	-6	-7	-21
	2	-5	-8	-9	-7	-6	-7	-11	-23
To the inlet duct*	1	-16	-17	-7	-5	-19	-9	-18	-30
	2	-6	-7	-4	-12	-16	-10	-17	-23
To the AHU surroundings	1	-23	-31	-35	-28	-39	-39	-41	-52
	2	-16	-22	-32	-28	-39	-40	-45	-54

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 60

Delivery and transport within the site

The GOLD SD 60 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger.

The unit is always supplied as one unit. The air handling unit can be split at the building site to facilitate transporting it within the site.

The sections are jointed together by means of bolts.

The GOLD SD can be used as a supply air or an extract air handling unit.

If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

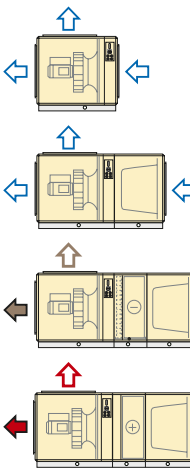
Supplied on 100 m high support feet.

Duct connection options

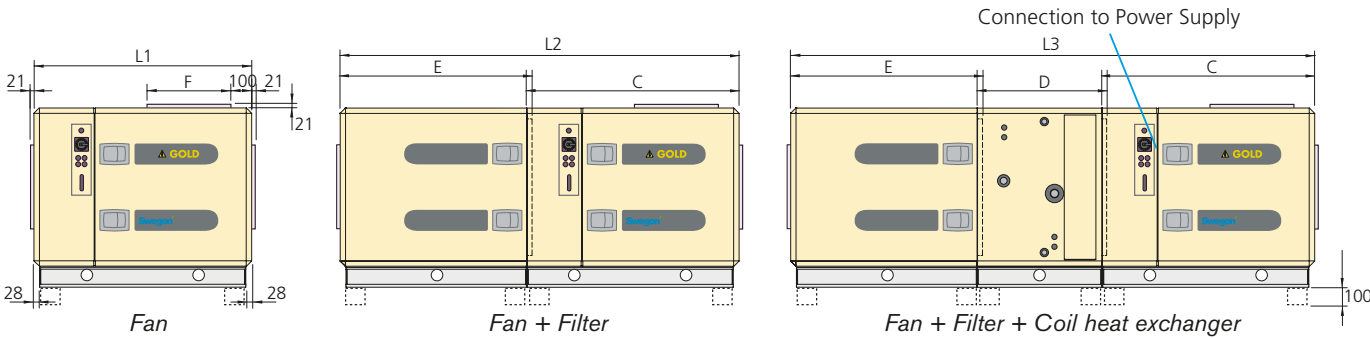
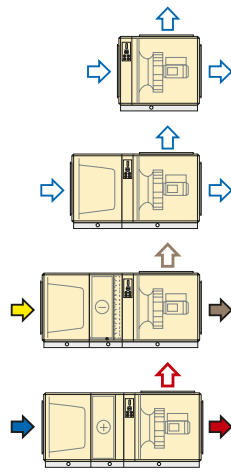
A: Specify right-hand or left-hand version when ordering!

B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.

Left-hand version



Right-hand version



Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
60	550	760	1170

Size	L1	L2	L3	A	B	H	C	D	E	F	G	I	J
60	1145	2014	2610	2165	2313	1320	1117	619	919	800	1600	355	260

Clear space for inspection

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

Connection to Power Supply

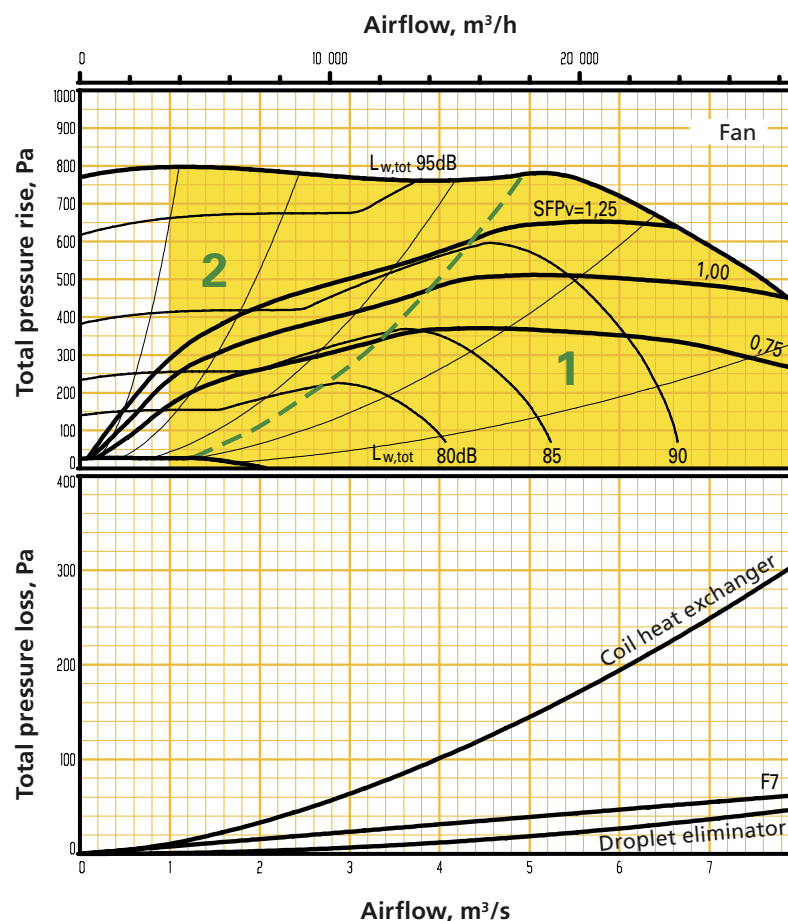
GOLD 60: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 20 A

Rated data per fan

GOLD 60: 3 x 400 V, 50 Hz, 4.6 kW, two parallel fans

Sizing, Installation, Dimensions and Weights

GOLD SD, size 70



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 70	3600	1,00	28440	7,90

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-13	-9	-12	-18	-12	-18	-30
	2	-3	-5	-4	-15	-15	-14	-17	-23
To the AHU surroundings	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 70

Delivery and transport within the site

The GOLD SD 70 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger.

The air handling units are supplied as one unit if they each consist of a fan or fan+filter. If the unit consists of a fan + filter + coil heat exchanger, it is supplied as two units. The one unit then consists of a fan + coil heat exchanger and the other unit consists of a filter. The air handling unit can be split at the building site to facilitate transporting it within the site.

The sections are jointed together by means of bolts.

The GOLD SD can be used as a supply air or an extract air handling unit.

If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

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

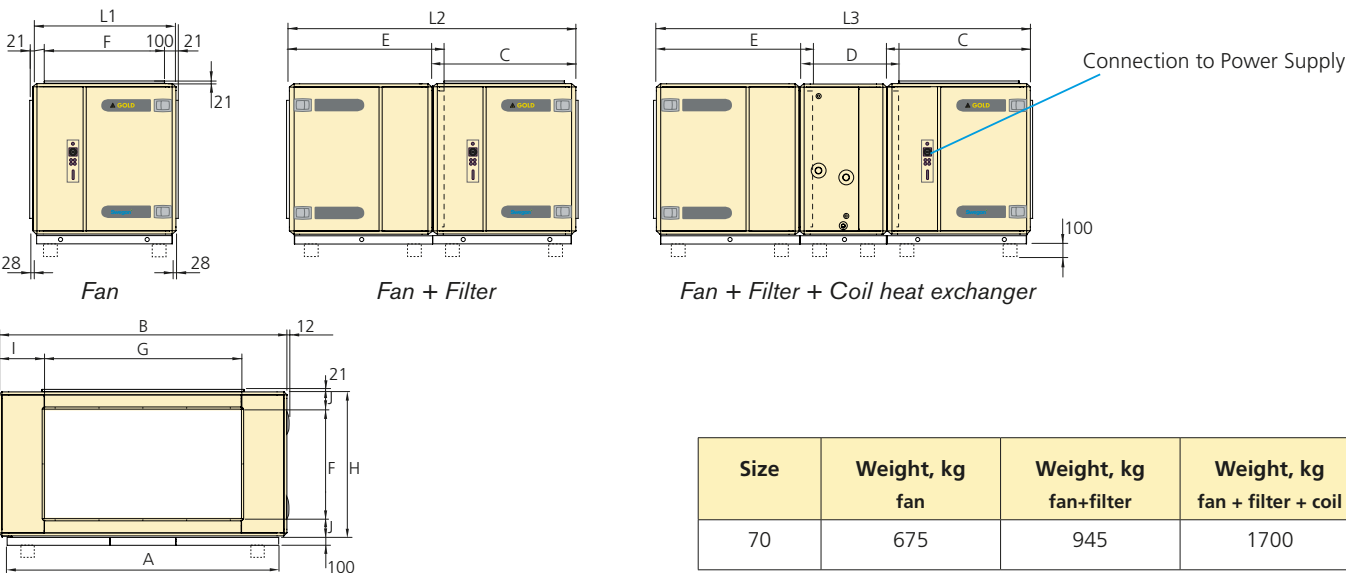
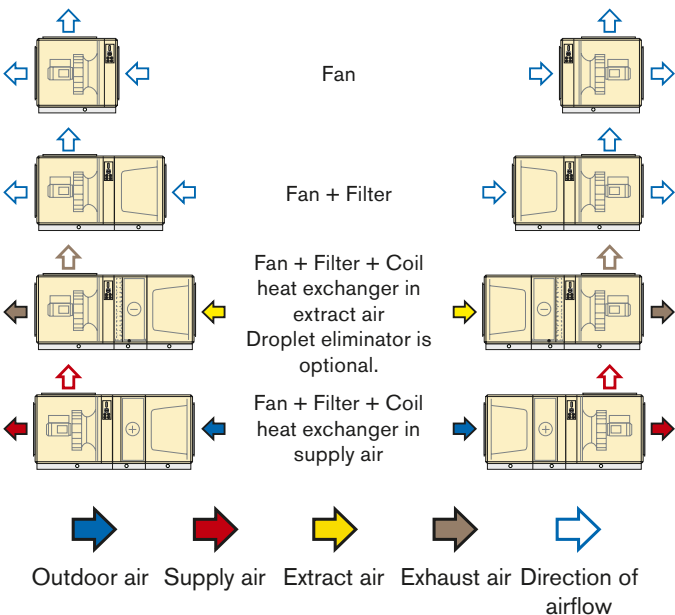
Duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.

Left-hand version

Right-hand version



Size	L1	L2	L3	A	B	H	C	D	E	F	G	I	J
70	1278	2500	3260	2484	2637	1320	1250	760	1250	1000	1800	419	160

Clear space for inspection

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

Connection to Power Supply

GOLD 70: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

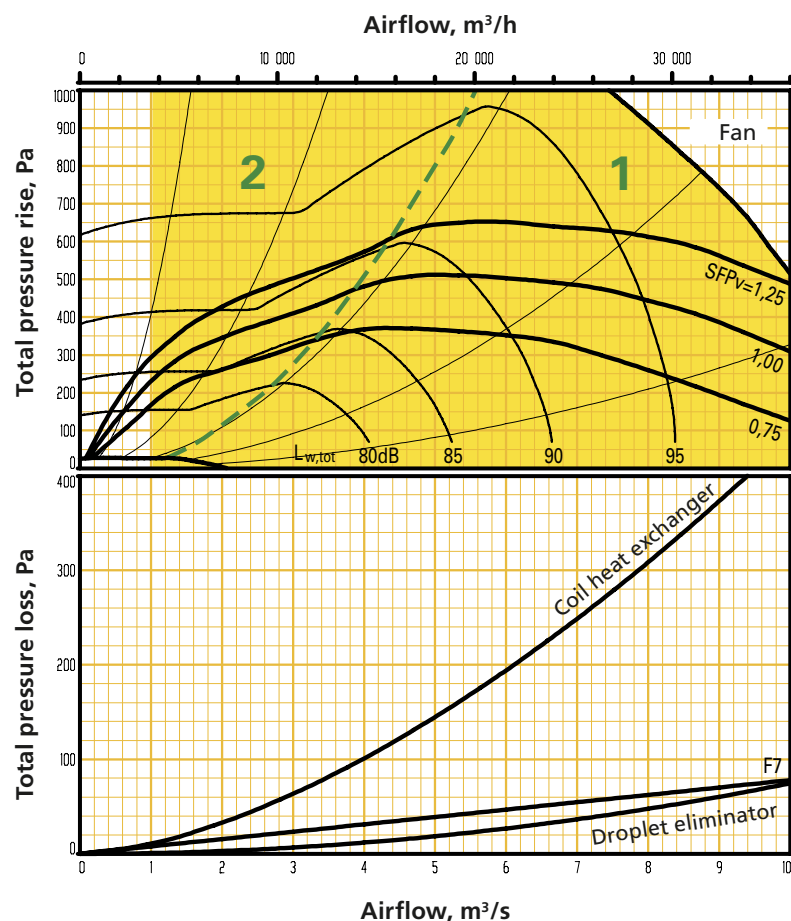
Rated data per fan

GOLD 70: 3 x 400 V, 50 Hz, 6.5 kW (3.7 kW)* two parallel fans

*) The frequency inverter restricts the output power to the values specified.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 80



The charts and tables in this documentation are intended for use as a general survey. Exact sizing can be obtained in the ProUnit air handling unit selection program.

Min. and max. airflows

The flows specified refer to those that can be preset in the hand-held micro terminal. The effect of external pressure drop determines the feasible flow limits that can come into use.

Size	Min. airflow		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
GOLD 80	3600	1,00	36000	10,00

Correction factors K_{OK} , dB

Sound path	Range in chart	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	-10	-15	-12	-7	-5	-6	-10	-24
	2	-4	-9	-9	-5	-6	-8	-13	-25
To the inlet duct*	1	-10	-13	-9	-12	-18	-12	-18	-30
	2	-3	-5	-4	-15	-15	-14	-17	-23
To the AHU surroundings	1	-21	-29	-35	-28	-38	-39	-44	-55
	2	-15	-23	-32	-26	-39	-41	-47	-56

* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, Installation, Dimensions and Weights

GOLD SD, size 80

Delivery and transport within the site

The GOLD SD 80 units are available in right-hand or left-hand version as a fan section, fan + filter or fan + filter + coil heat exchanger.

The air handling units are supplied as one unit if they each consist of a fan or fan+filter. If the unit consists of a fan + filter + coil heat exchanger, it is supplied as two units. The one unit then consists of a fan + coil heat exchanger and the other unit consists of a filter. The air handling unit can be split at the building site to facilitate transporting it within the site.

The sections are jointed together by means of bolts.

The GOLD SD can be used as a supply air or an extract air handling unit.

If both supply air and extract air handling units are used in a ventilation system, the supply air unit is fitted with a control unit and the extract air unit is without. A communication cable is used to connect them to one another making it possible to control both units.

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

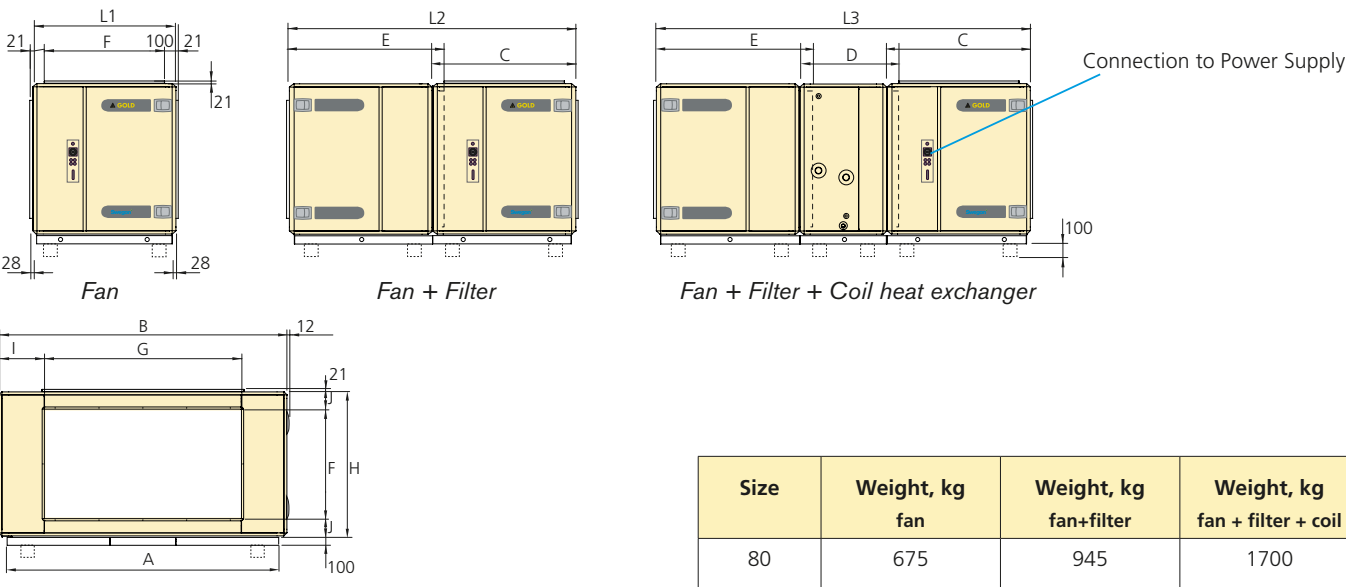
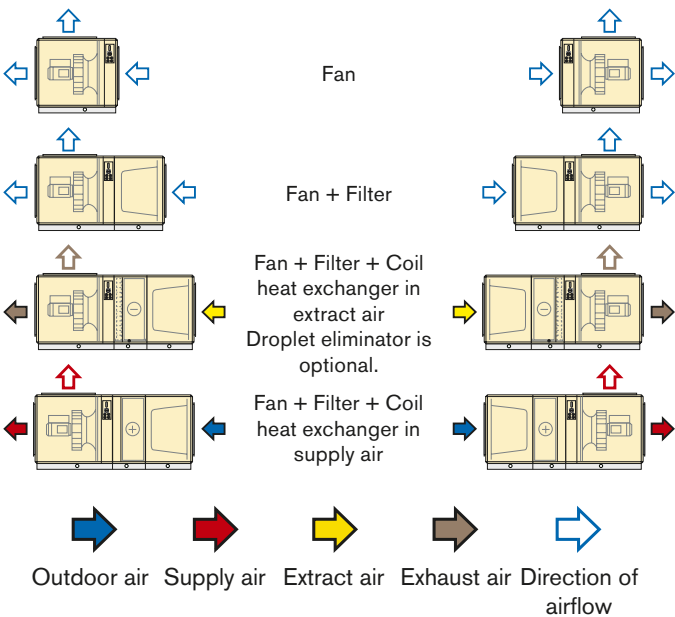
Duct connection options

A: Specify right-hand or left-hand version when ordering!

B: The fan outlet at the top of the air handling unit is covered by a cover panel. At the building site, this cover panel can be easily moved to the end wall panel if it is desirable for the upper fan to discharge air upwards. The fan outlet can also be used for both forward and upward air discharge.

Left-hand version

Right-hand version



Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
80	675	945	1700

Size	L1	L2	L3	A	B	H	C	D	E	F	G	I	J
80	1278	2500	3260	2484	2637	1320	1250	760	1250	1000	1800	419	160

Clear space for inspection

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

Connection to Power Supply

GOLD 80: 3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 25 A

Rated data per fan

GOLD 80: 3 x 400 V, 50 Hz, 6.5 kW, two parallel fans

