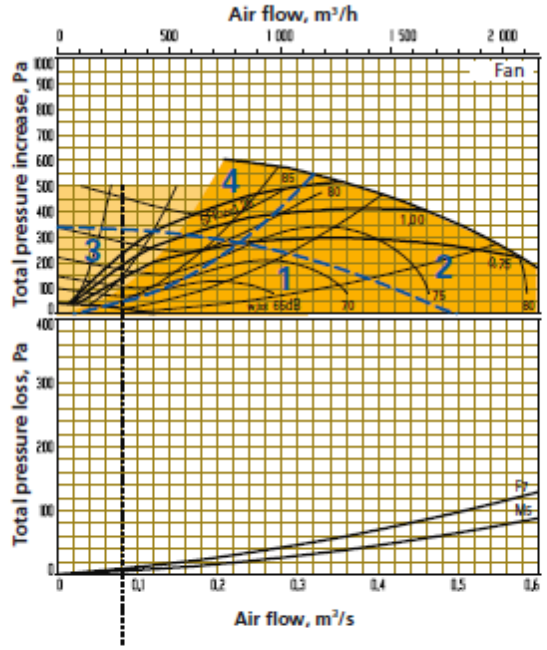
Sizing, Installation, Dimensions and Weights

GOLD SD, size 004



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

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

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
004	290	0.08	2160	0.60

Correction factors K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
	4	-3	-1	-4	-11	-19	-16	-16	-16
To air handling unit surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

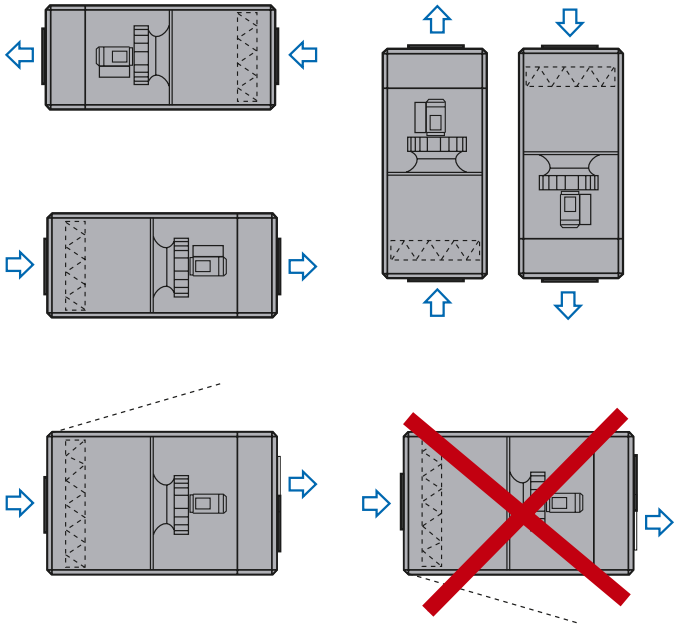
* The integral attenuation of filters is not included.

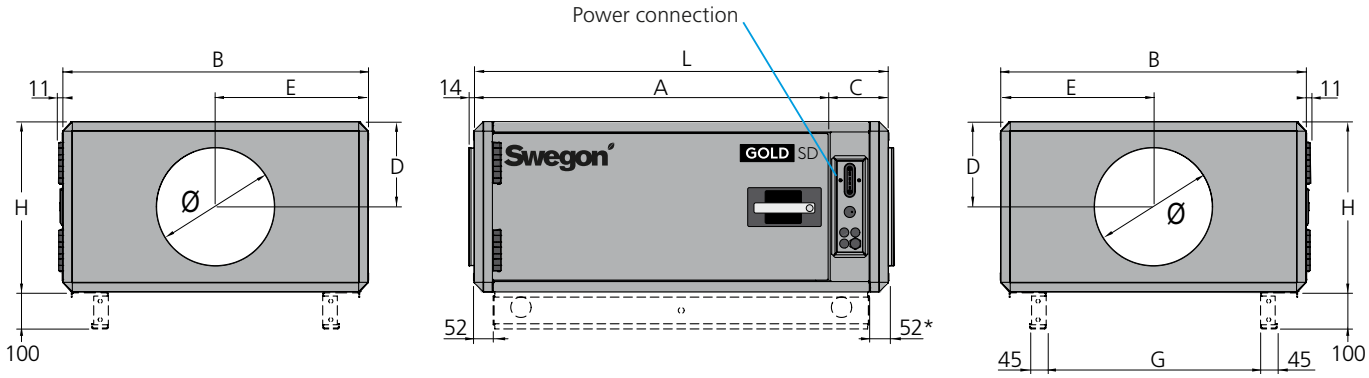
Sizing, Installation, Dimensions and Weights

GOLD SD, size 004

Delivery and transport within the site

The GOLD SD 004 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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units 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.
Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.





The base beams are optional.

** If duct accessories are inside an insulated casing, the air handling unit is supplied without end connection panel. The AHU can also be supplied with full face end connection panel (accessory).*

Size	L	B	H	A	C	D	E	G	Ø	Weight, kg
004	1120	825	460	956	163	230	412,5	579	315	97-118

Clear space for inspection

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

Power connection

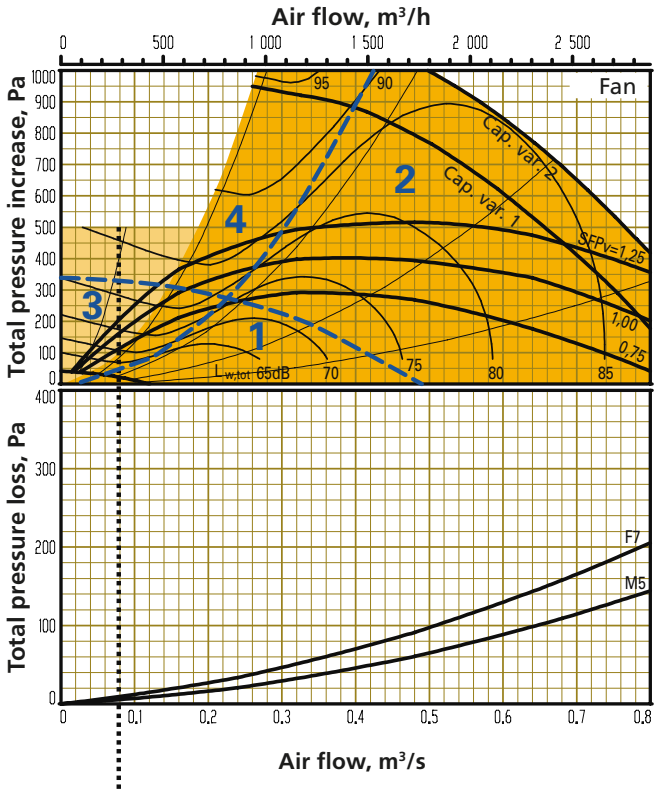
1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 005



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

Air handling units, with capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 0.54 m³/s (2016) and 0.5 m³/s (2018) respectively.

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
005	290	0.08	2880	0.80

Correction factors K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
	4	-3	-1	-4	-11	-19	-16	-16	-16
To air handling unit surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

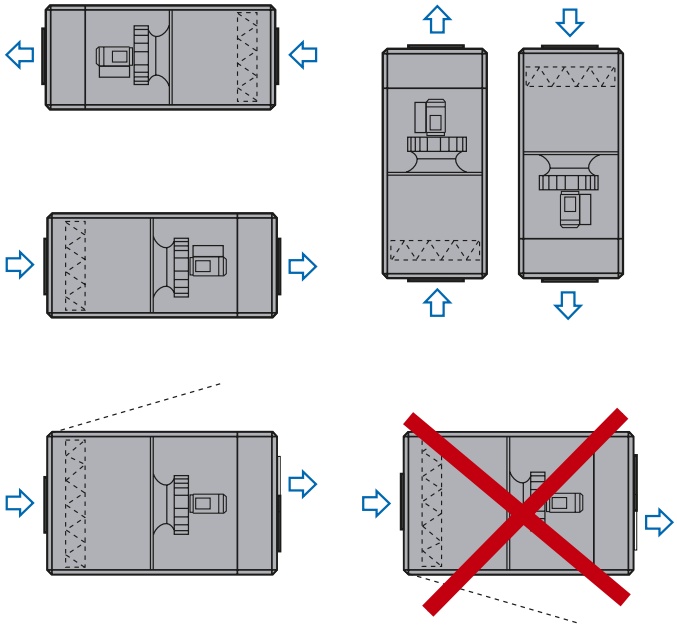
* The integral attenuation of filters is not included.

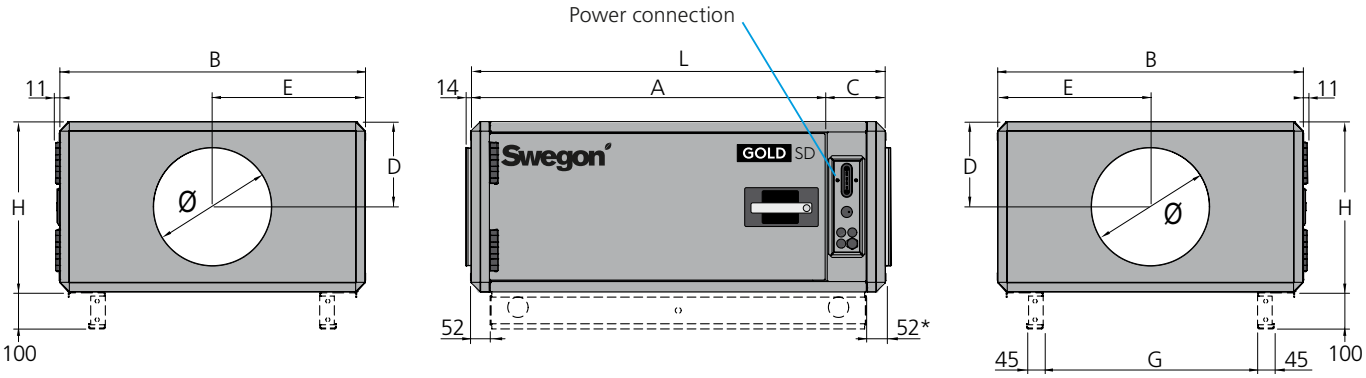
Sizing, Installation, Dimensions and Weights

GOLD SD, size 005

Delivery and transport within the site

The GOLD SD 005 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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units 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.
Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.





The base beams are optional.

** If duct accessories are inside an insulated casing, the air handling unit is supplied without end connection panel. The AHU can also be supplied with full face end connection panel (accessory).*

Size	L	B	H	A	C	D	E	G	Ø	Weight, kg
005	1120	825	460	956	163	230	412,5	579	315	97-118

Clear space for inspection

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

Power connection

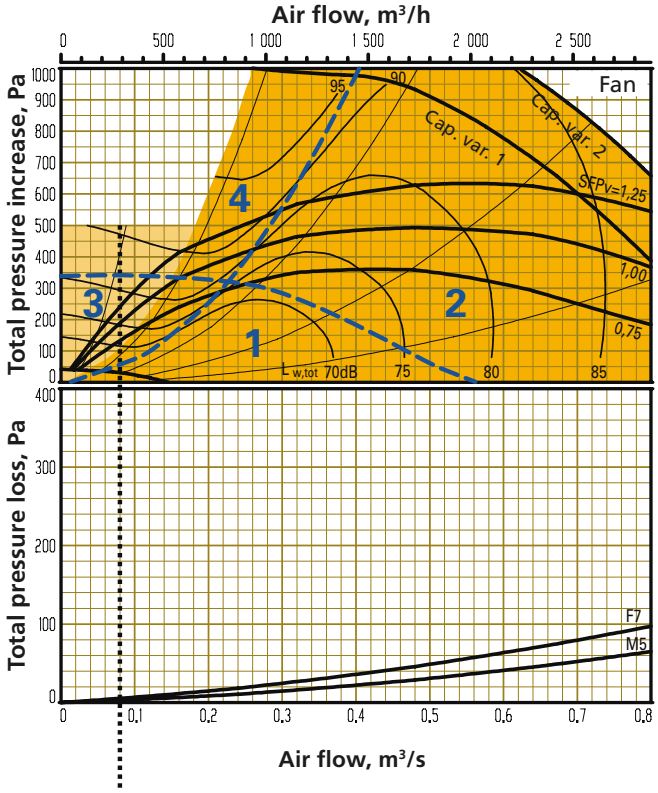
1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, installation, dimensions and weights

GOLD SD, size 007



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

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

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (for airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
007	290	0,08	2880	0,8

Correction factors, K_{OK} , dB

Sound path	Region in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
	4	-3	-1	-4	-11	-19	-16	-16	-16
To air handling unit's surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

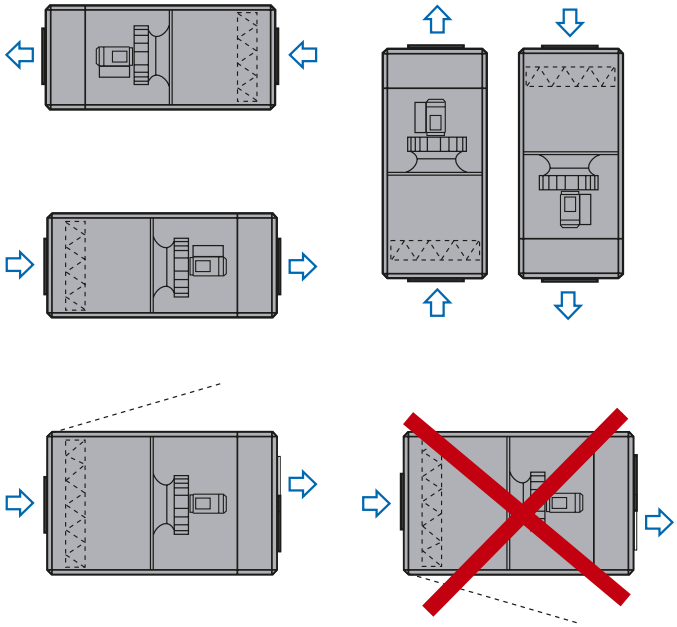
* The integral attenuation of filters is not included.

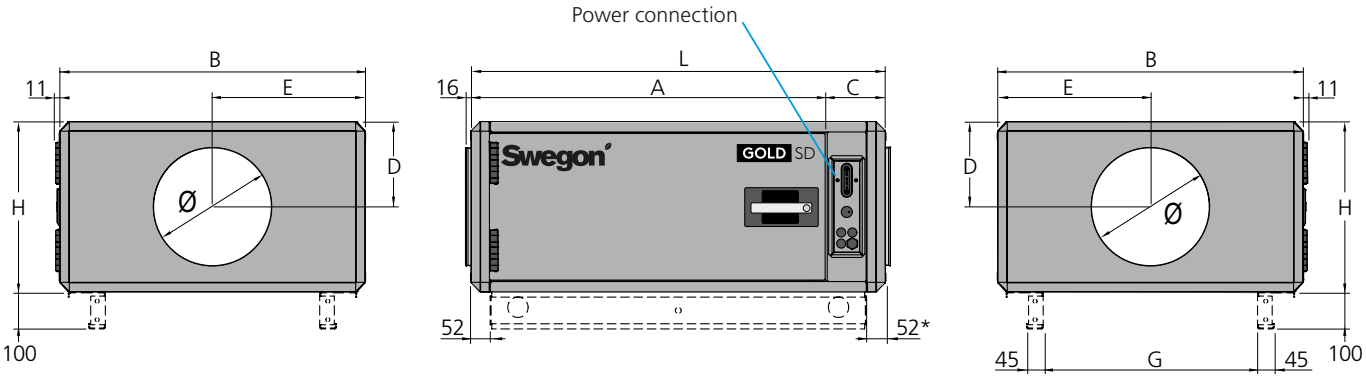
Sizing, installation, dimensions and weights

GOLD SD, size 007

Delivery and transport within the site

The GOLD SD 007 is produced in one single variant. All of its components are arranged at their given physical locations 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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units 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.
Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.





The base beams are optional.

** If duct accessories are inside an insulated casing, the air handling unit is supplied without end connection panel. The AHU can also be supplied with full face end connection panel (accessory).*

Size	L	B	H	A	C	D	E	G	Ø	Weight, kg
007	1214	995	542,5	1051	163	271	497,5	749	400	115-145

Clear space for inspection

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

Power connection

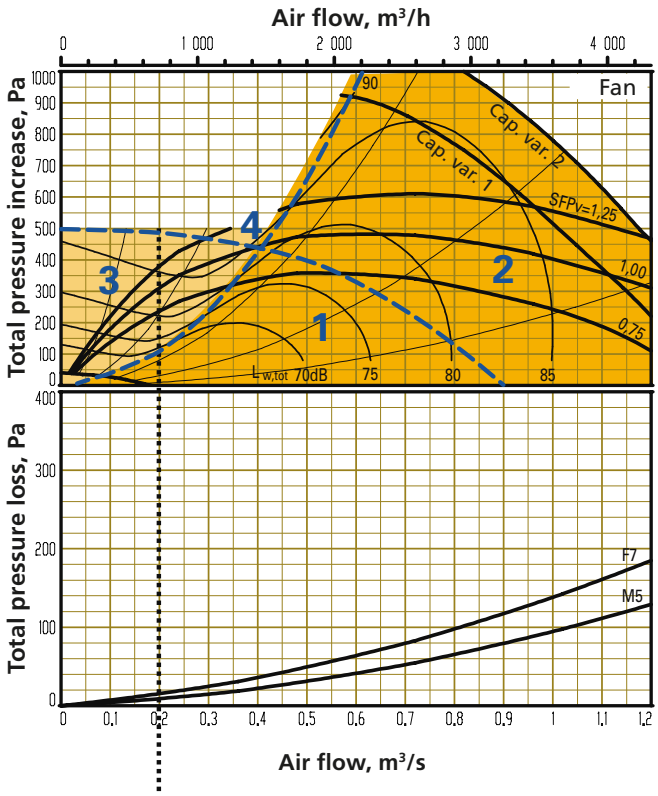
1-phase, 5-wire cable, 230 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 008



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

Air handling units, with capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 0.985 m³/s (2016) and 0.93 m³/s (2018) respectively.

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
008	720	0.20	4320	1.20

Correction factors K_{OK} , dB

Sound path	Region in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
	4	-3	-1	-4	-11	-19	-16	-16	-16
To air handling unit's surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

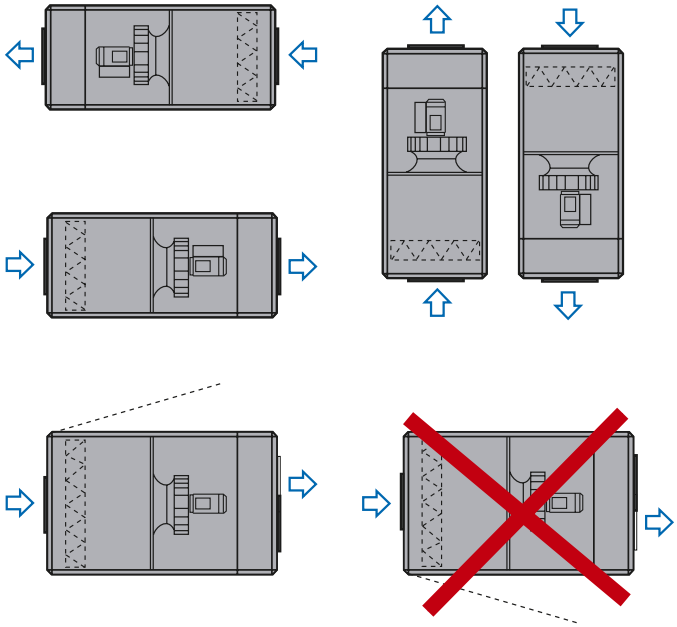
* The integral attenuation of filters is not included.

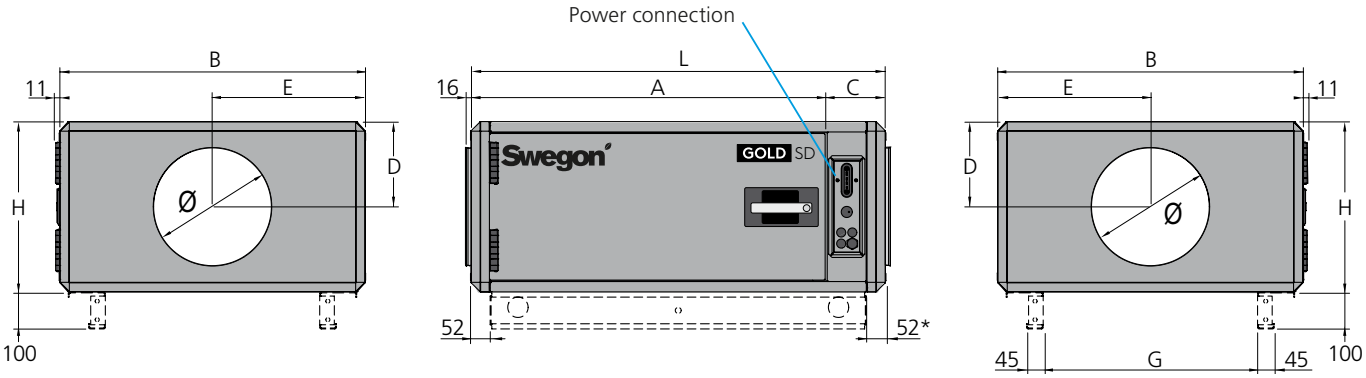
Sizing, Installation, Dimensions and Weights

GOLD SD, size 008

Delivery and transport within the site

The GOLD SD 008 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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units 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.
Prefitted base beams are obtainable as optional equipment; a stand supplied unmounted is available as an accessory.





The base beams are optional.

** If duct accessories are inside an insulated casing, the air handling unit is supplied without end connection panel. The AHU can also be supplied with full face end connection panel (accessory).*

Size	L	B	H	A	C	D	E	G	Ø	Weight, kg
008	1214	995	542,5	1051	163	271	497,5	749	400	122-149

Clear space for inspection

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

Power connection

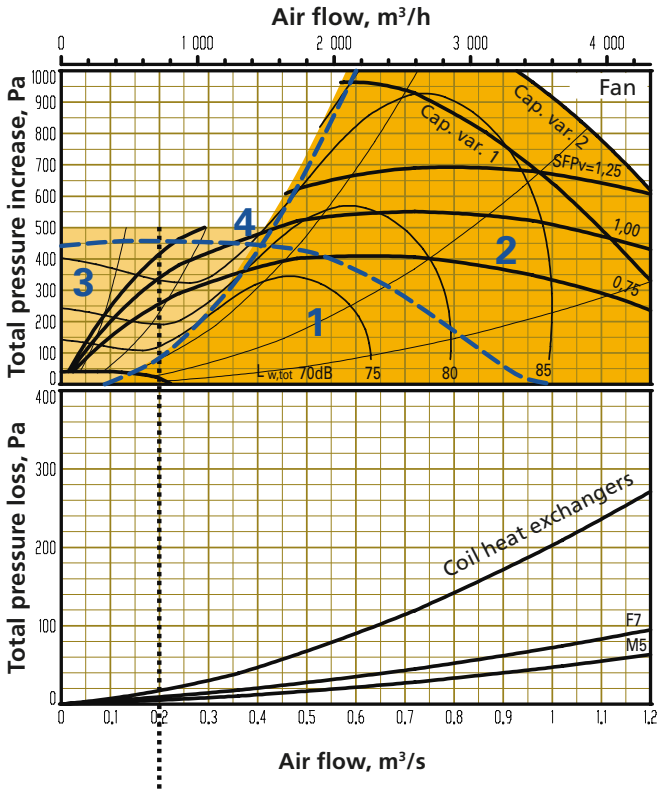
Capacity variant 1:
1-phase, 3-wire, 230 V -10/+15%, 50 Hz, 10 A
Capacity variant 2:
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

Capacity variant 1: Motor shaft power: 1.15 kW, motor control system: 1 x 230 V, 50 Hz
Capacity variant 2: Motor shaft power: 1.6 kW, motor control system: 3 x 400 V, 50 Hz

Sizing, installation, dimensions and weights

GOLD SD, size 011



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

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

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (for airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
011	720	0,20	4320	1,20

Correction factors, K_{OK} , dB

Sound path	Region in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
	4	-2	-3	-5	-13	-13	-14	-20	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
	4	-3	-1	-4	-11	-19	-16	-16	-16
To air handling unit's surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56
	4	-13	-17	-28	-34	-46	-47	-54	-56

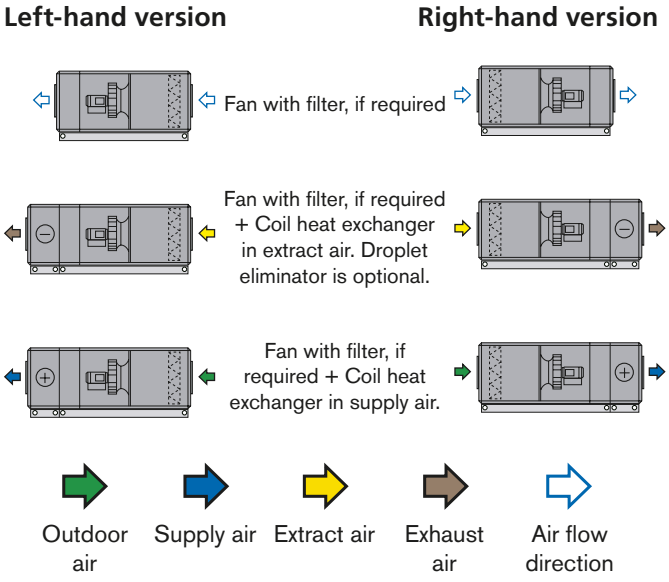
* The integral attenuation of filters and coil heat exchangers are not included.

Sizing, installation, dimensions and weights

GOLD SD, size 011

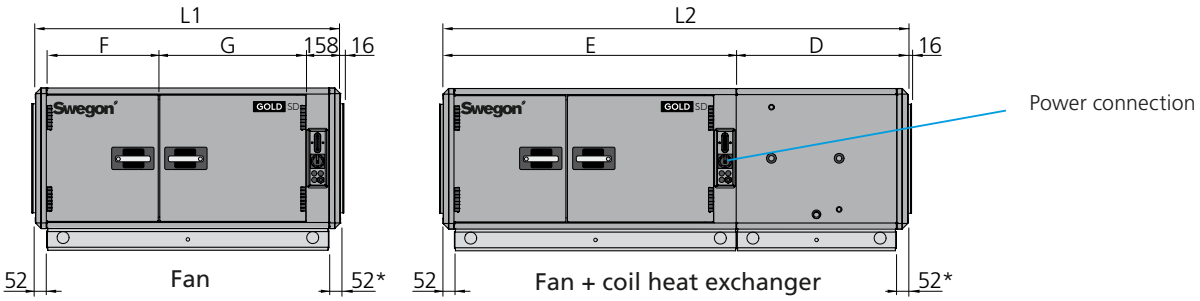
Delivery and transport within the site

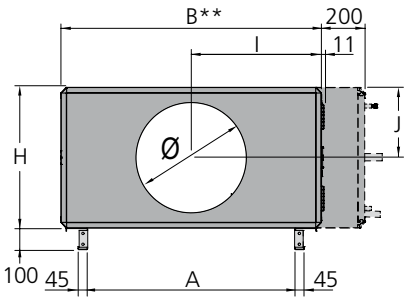
The GOLD SD 011 units are available in right-hand or left-hand version, as a fan section only or as a fan section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or divided into a fan section and coil heat exchanger section.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
Filter holders for pleated filters are provided inside the fan section. Set of filters with pleated medium, pressure sensor, hoses and communication cable are optional extras.
The air handling unit/unit sections is/are delivered on wooden beams.



Duct connection options

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





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

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

Size	Weight, kg fan+filter	Weight, kg fan + filter + coil
011	164-203	332-377

Size	L1	L2	B	H	A	D	E	F	G	I	J	Ø
011	1404	2140	1199	647,5	953	789	1352	513	681	599,5	324	500

Clear space for inspection

A clear space of 800 mm should be provided in front of the unit.

Power connection

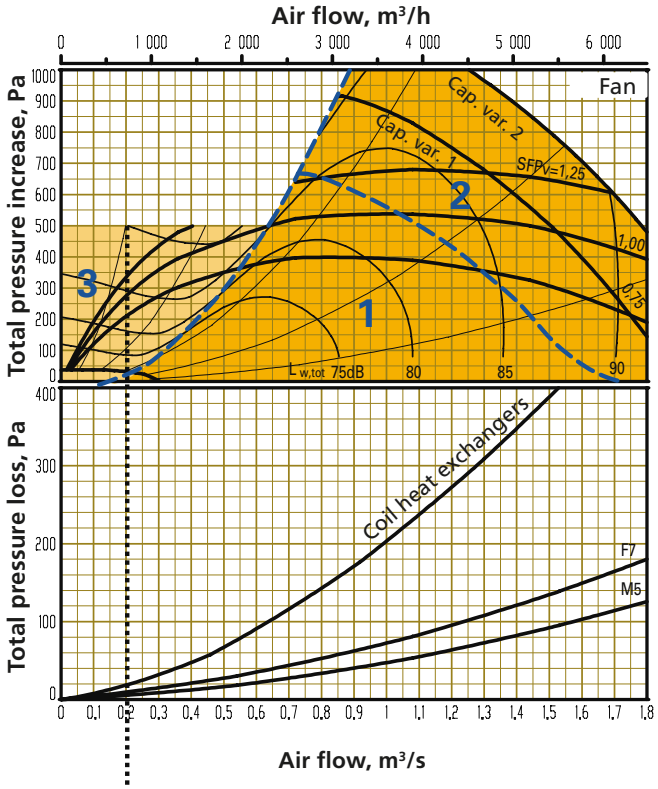
Capacity variant 1:
1-phase, 3-wire cable, 230 V -10/+15%, 50 Hz, 10 A
Capacity variant 2:
3-phase, 5-wire cable, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

Capacity variant 1:
Motor shaft power: 1.15 kW, motor control system: 1 x 230 V, 50 Hz *Capacity variant 2:*
Motor shaft power: 1.6 kW, motor control system: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD SD, size 012



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

*Air handling units **without** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 1.61 m³/s (2016) and 1.53 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 1.43 m³/s (2016) and 1.27 m³/s (2018) respectively.*

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
012	720	0.20	6480	1.80

Correction factors K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
To air handling unit surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 012

Delivery and transport within the site

The GOLD SD 012 units are available in right-hand or left-hand version, as a fan section only or as a fan section and coil heat exchanger section.

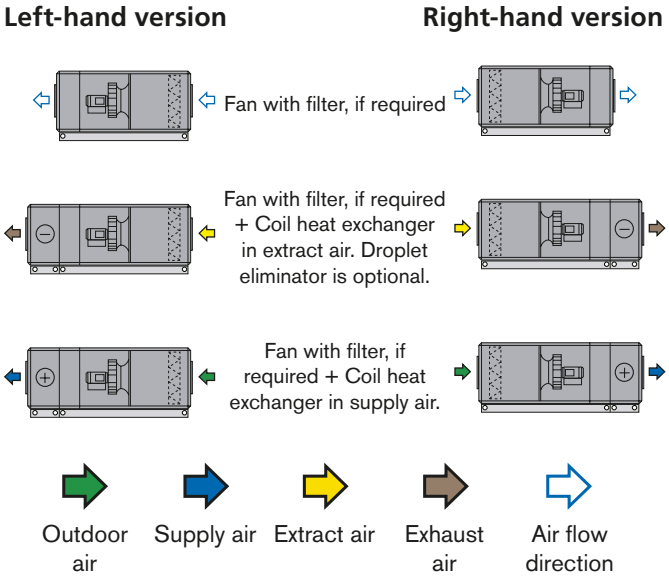
The air handling unit can be supplied as one single unit or divided into a fan section and coil heat exchanger section.

The unit sections are jointed together/split by means of bolts. The electrical and control cables between the unit sections have quick-fit connectors.

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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.

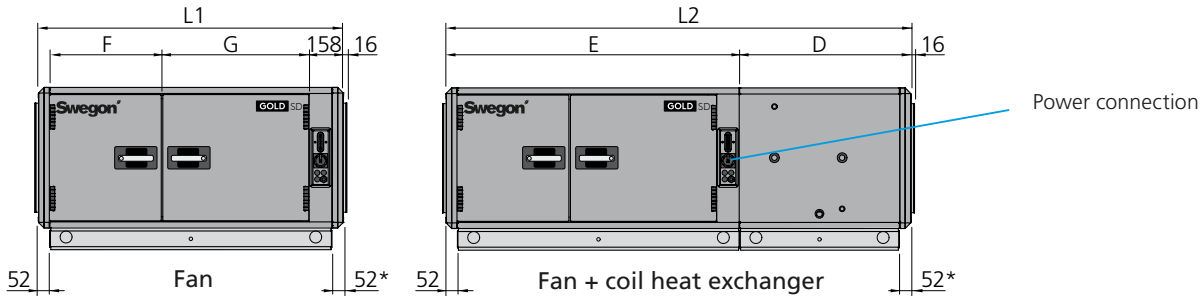
Filter holders for pleated filters are provided inside the fan section. Set of filters with pleated medium, pressure sensor, hoses and communication cable are optional extras.

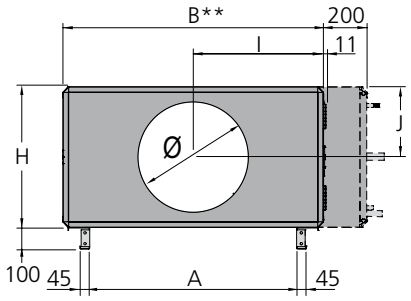
The air handling unit/unit sections is/are delivered on wooden beams.



Duct connection options

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





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

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

Size	Weight, kg fan+filter	Weight, kg fan + filter + coil
012	175-217	343-391

Size	L1	L2	B	H	A	D	E	F	G	I	J	Ø
012	1404	2140	1199	647,5	953	789	1352	513	681	599,5	324	500

Clear space for inspection

A clear space of 800 mm should be provided in front of the unit.

Power connection

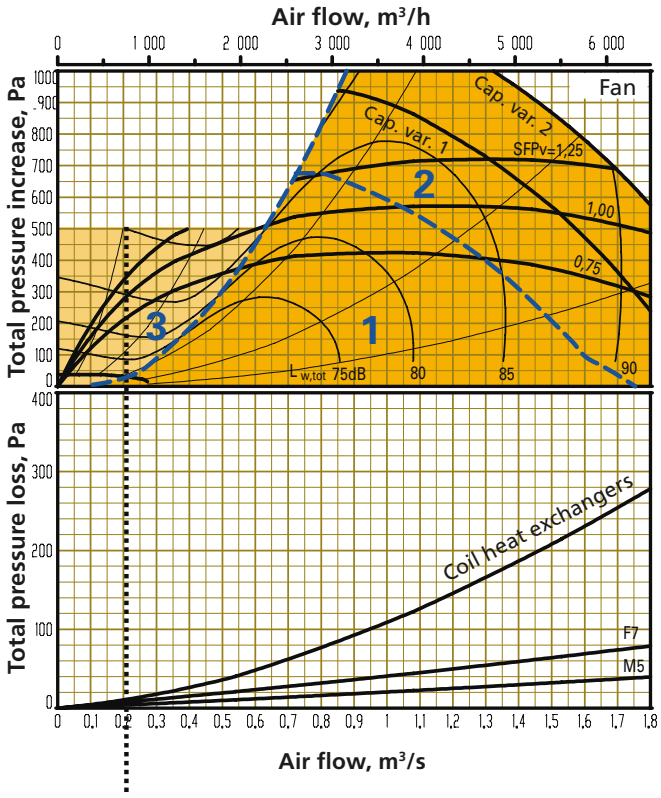
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 014



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

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

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
014	720	0,20	6480	1,80

Correction factors K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-1	-6	-6	-8	-7	-7	-12	-15
	2	-1	-5	-8	-8	-7	-9	-13	-16
	3	-1	-2	-6	-15	-14	-16	-22	-25
To inlet duct*	1	-2	-5	-4	-11	-16	-13	-12	-10
	2	-3	-6	-9	-7	-14	-11	-11	-11
	3	-2	0	-6	-16	-20	-19	-18	-16
To air handling unit surroundings	1	-12	-20	-29	-29	-40	-40	-46	-46
	2	-12	-19	-31	-29	-40	-42	-47	-47
	3	-12	-16	-29	-36	-47	-49	-56	-56

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

Sizing, Installation, Dimensions and Weights

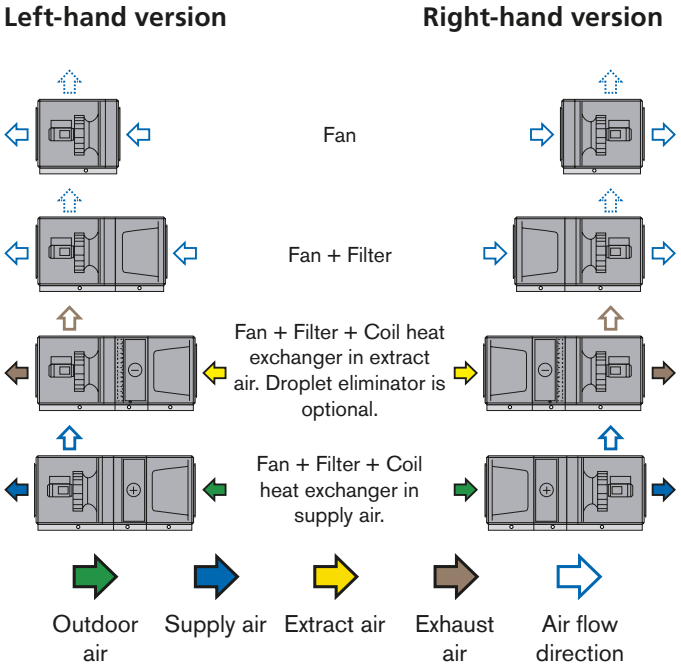
GOLD SD, size 014

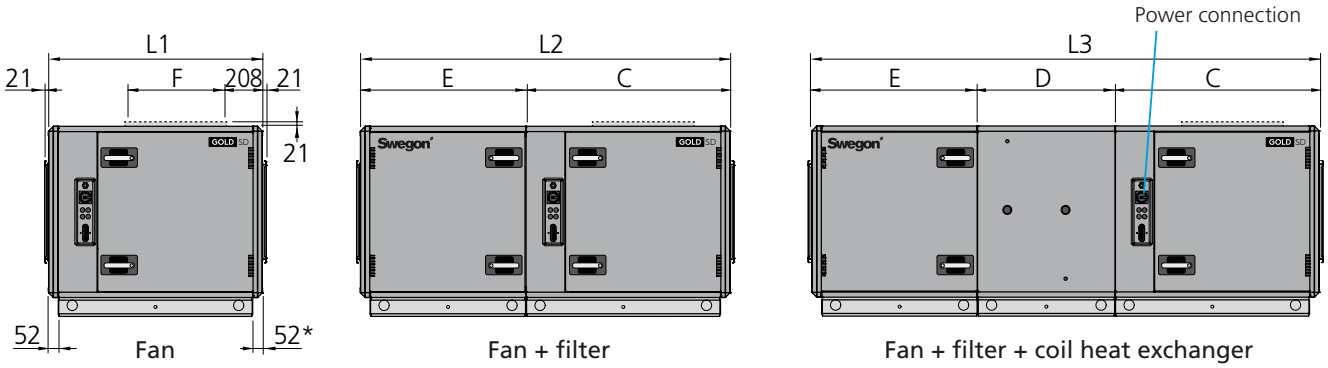
Delivery and transport within the site

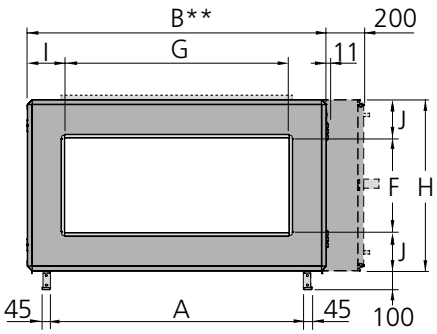
The GOLD SD 014 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (not applicable to outdoor units).







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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
014	148-191	250-304	479-539

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
014	1040	1875	2611	1400	775,5	1154	988	736	887	400	1000	200	188

Clear space for inspection

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

Power connection

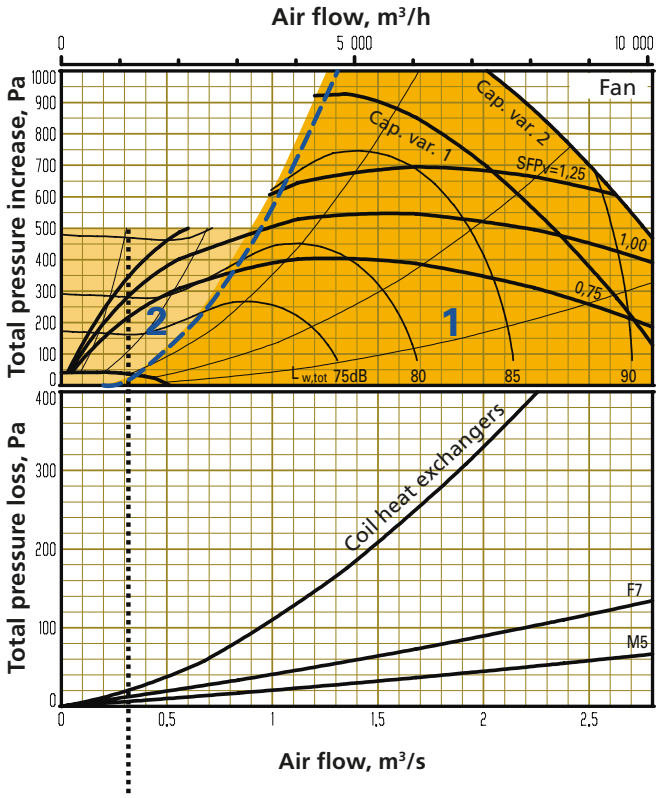
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 020



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

*Air handling units **without** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 2.64 m³/s (2016) and 2.52 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 1.94 m³/s (2016) and 1.95 m³/s (2018) respectively.*

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
020	1080	0.30	10080	2.80

Correction factors K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

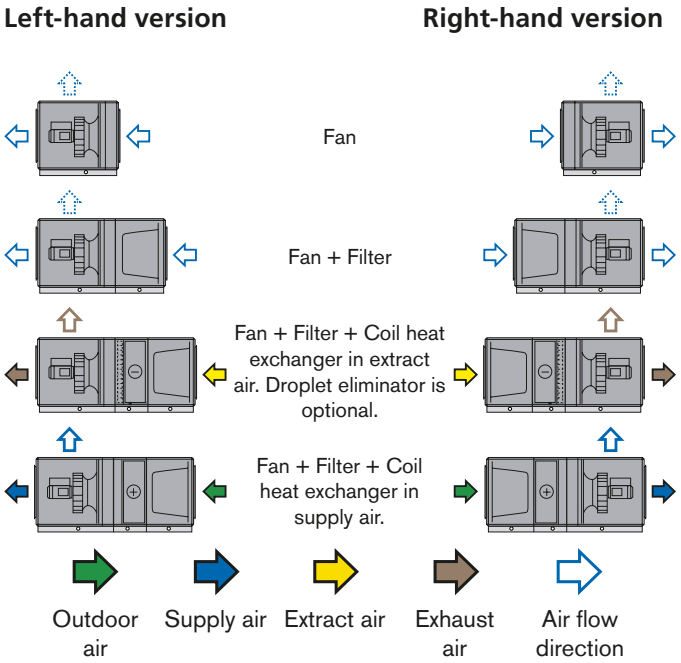
GOLD SD, size 020

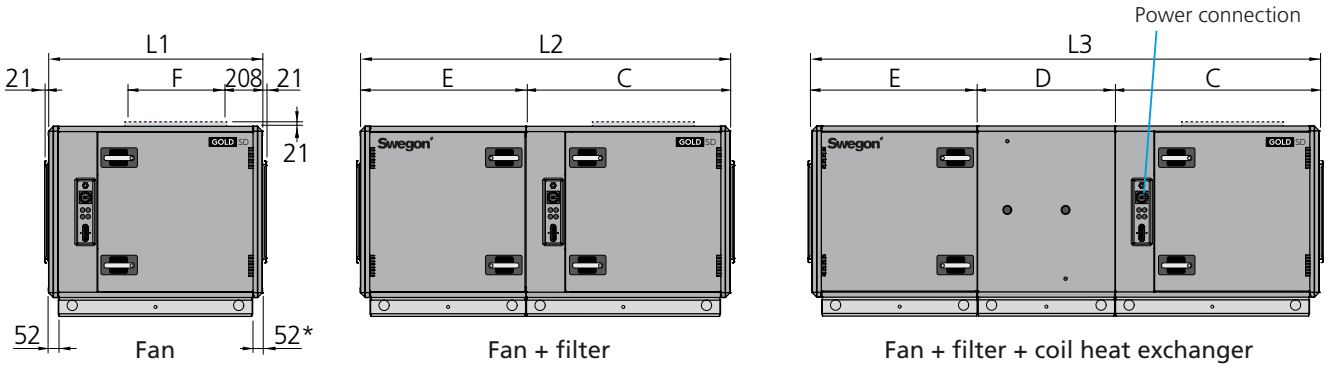
Delivery and transport within the site

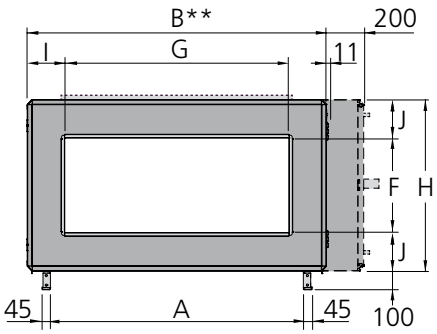
The GOLD SD 020 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (not applicable to outdoor units).







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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
020	158-211	260-324	489-559

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
020	1040	1875	2611	1400	775,5	1154	988	736	887	400	1000	200	188

Clear space for inspection

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

Power connection

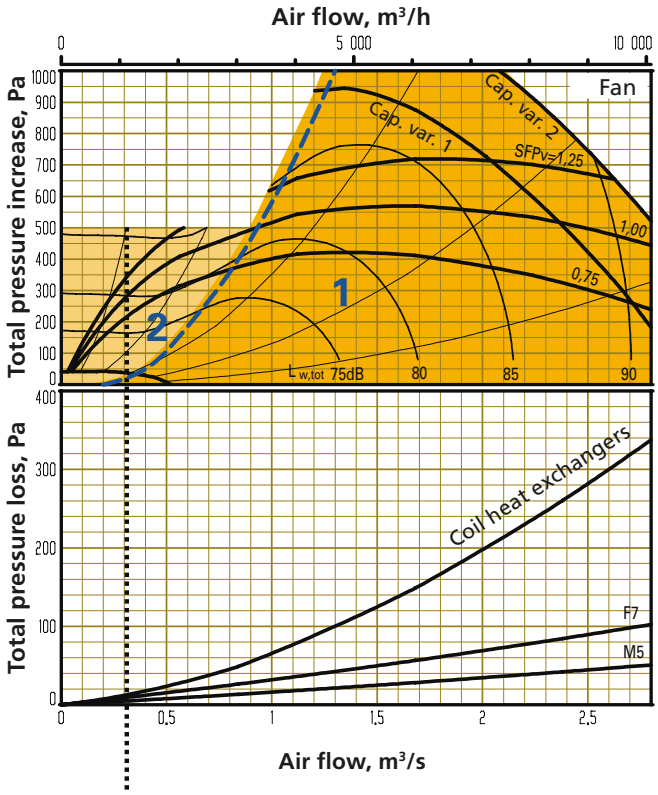
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 025



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

*Air handling units **without** coil heat exchanger, capacity variant 2, comply with requirements to Ecodesign 2016/2018.*
*Air handling units **with** coil heat exchanger, capacity variant 2, comply with requirements to Ecodesign 2016. The air handling unit also complies with requirements to Ecodesign 2018 if the mean supply air and extract air flows do not exceed 2.48 m³/s.*

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
025	1080	0,30	10080	2,80

Correction factors K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

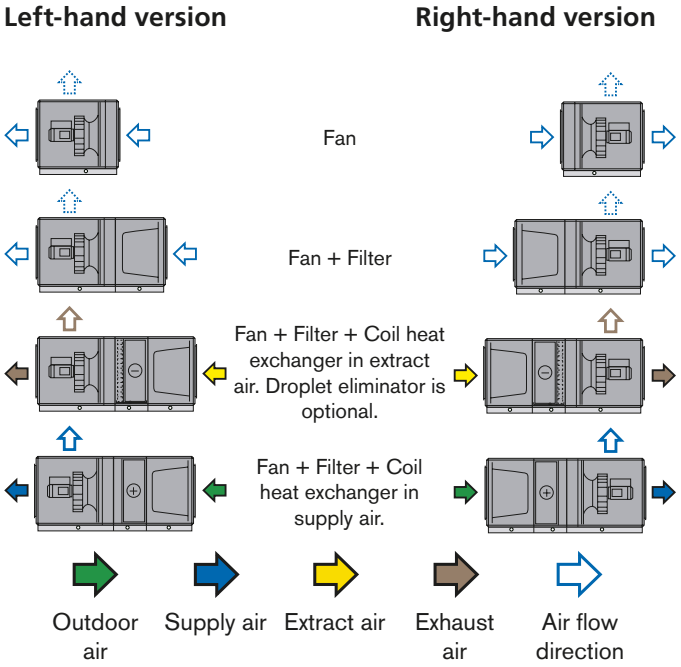
GOLD SD, size 025

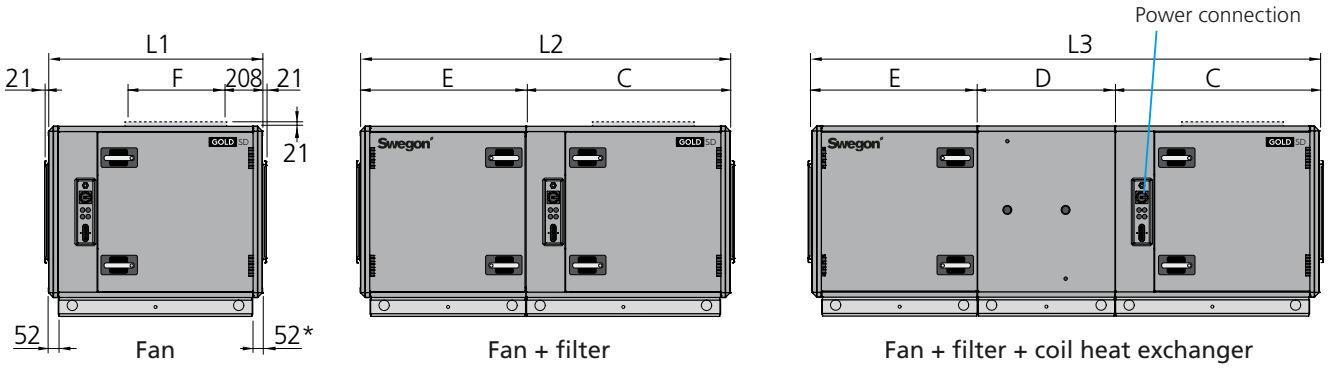
Delivery and transport within the site

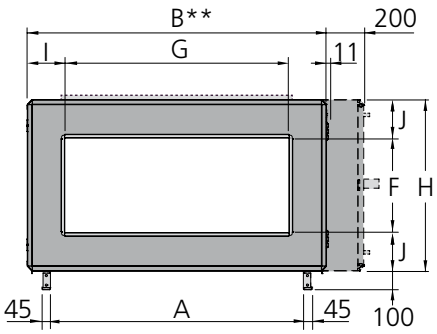
The GOLD SD 025 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (not applicable to outdoor units).







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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
025	190-252	308-382	604-686

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
025	1144	1978	2714	1600	905,5	1354	1092	736	886	500	1200	200	203

Clear space for inspection

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

Power connection

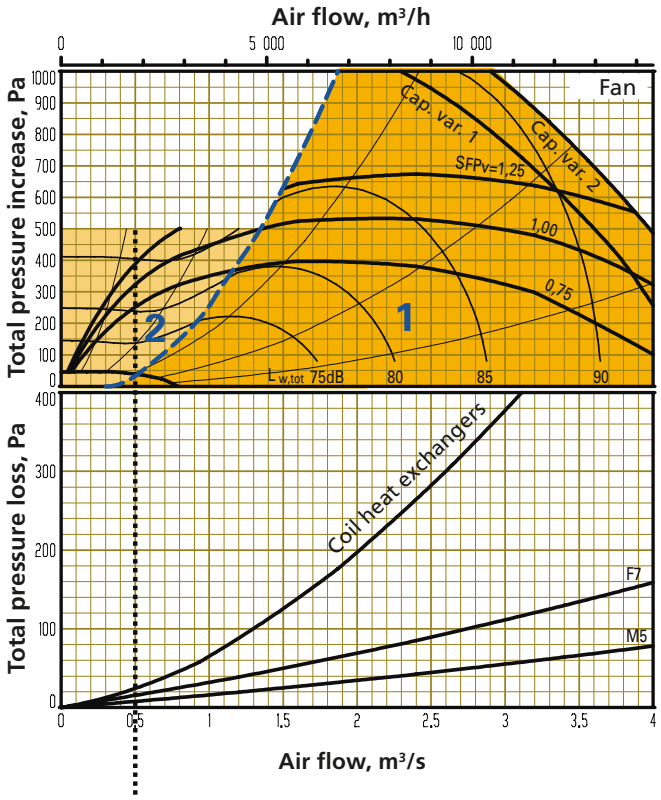
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 030



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

*Air handling units **without** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 3.54 m³/s (2016) and 3.33 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 3.0 m³/s (2016) and 2.48 m³/s (2018) respectively.*

Recommended working range for sizing.

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

Min. and Max. Airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
030	1800	0.50	14400	4.00

Correction factors K_{OK}, dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

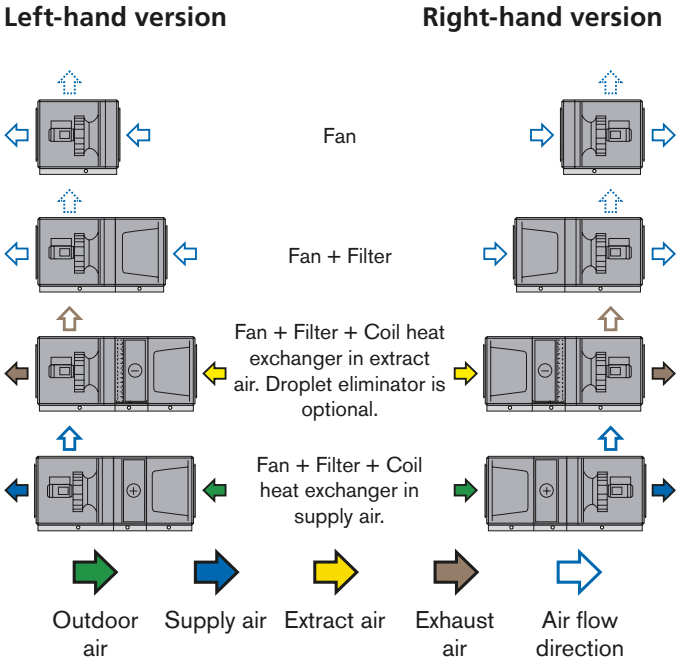
GOLD SD, size 030

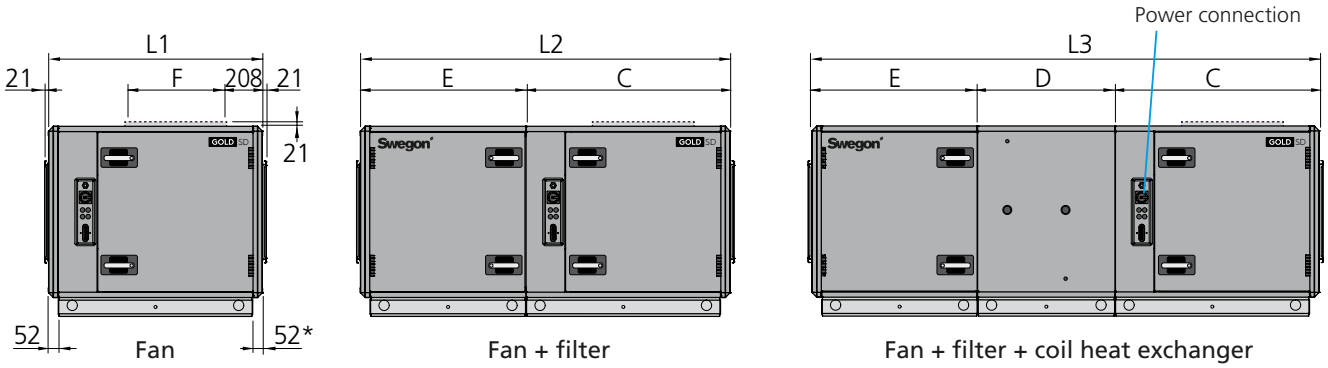
Delivery and transport within the site

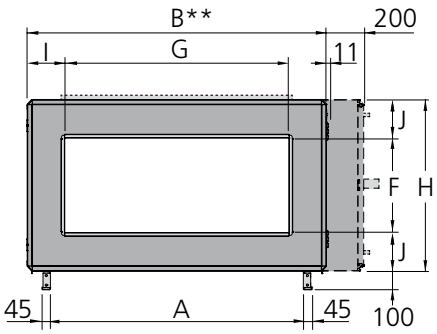
The GOLD SD 030 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (not applicable to outdoor units).







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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
030	216-264	351-411	645-715

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
030	1144	1978	2714	1600	905,5	1354	1092	736	886	500	1200	200	203

Clear space for inspection

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

Power connection

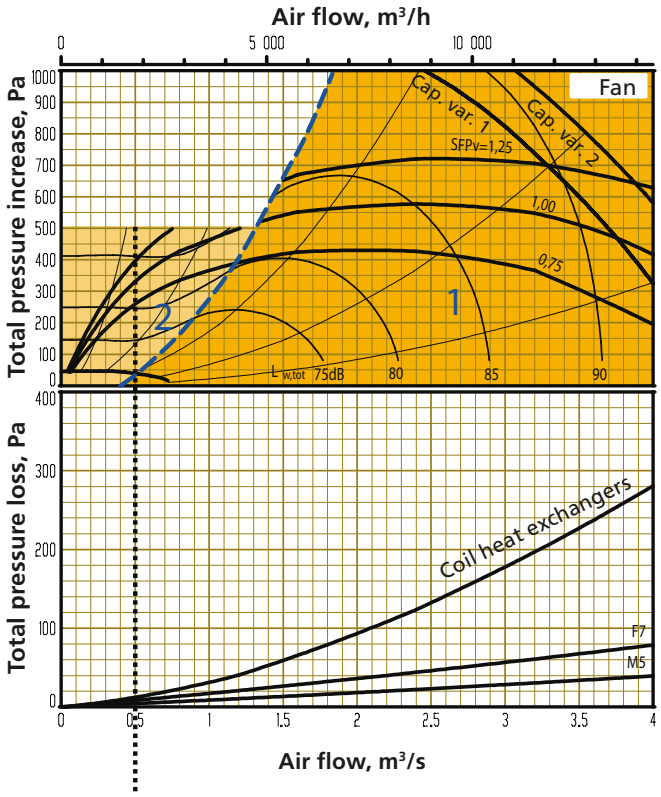
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 035



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

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

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
035	1800	0,50	14400	4.00

Correction factors, K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

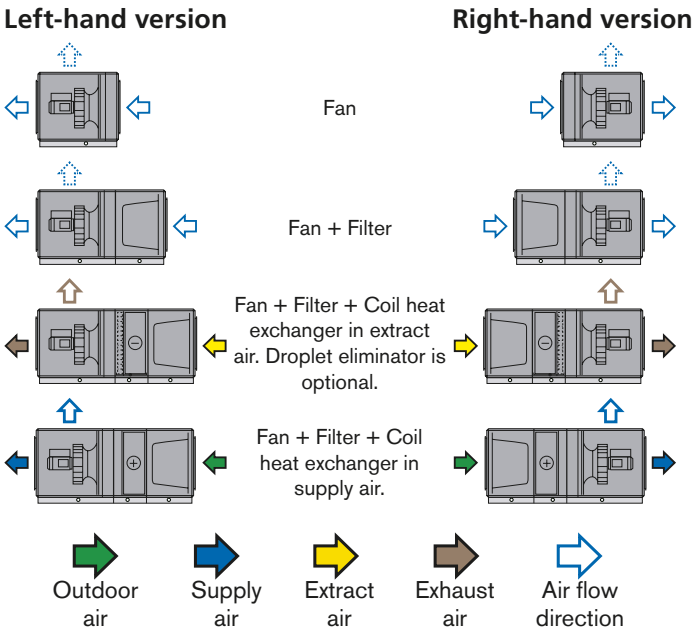
GOLD SD, size 035

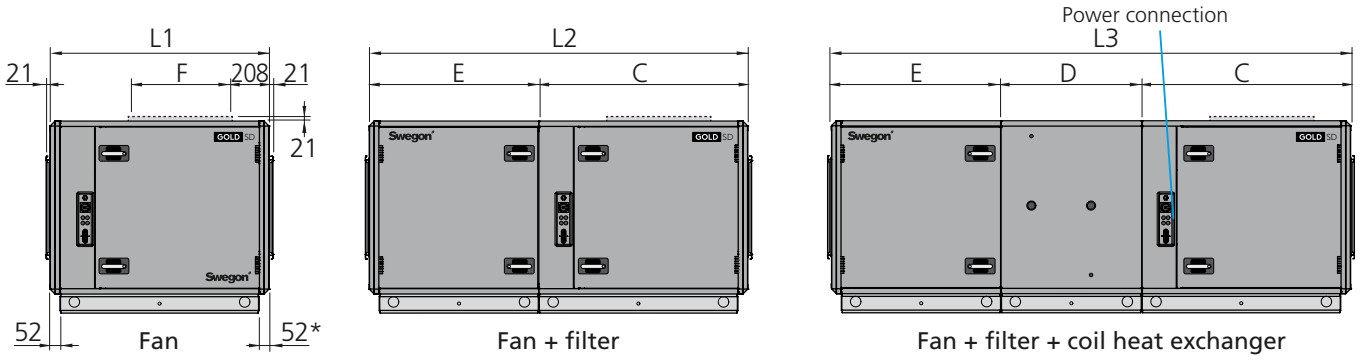
Delivery and transport within the site

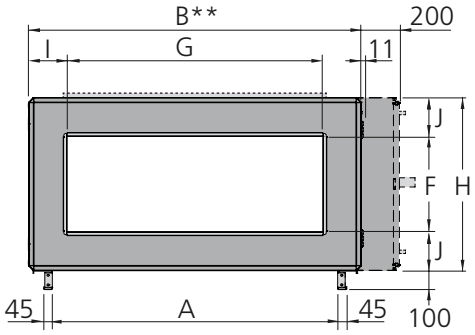
The GOLD SD 035 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).







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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
035	263-332	413-513	874-961

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
035	1253	2088	2988	1990	1079.5	1744	1202	900	886	600	1400	295	239.5

Clear space for inspection

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

Power connection

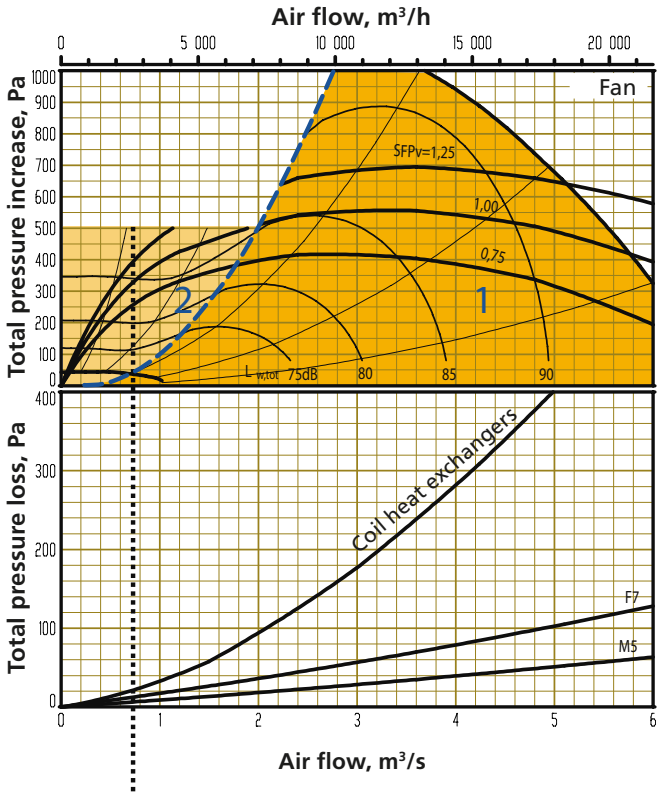
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 10 A

Rated data per fan

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 040



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016 and Ecodesign 2018 if the mean supply air and extract air flows do not exceed 5.92 m³/s.*
*Air handling units **with** coil heat exchangers, capacity variant 2, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 4.91 m³/s (2016) and 4.38 m³/s (2018) respectively.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
040	2700	0,75	21600	6.00

Correction factors, K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

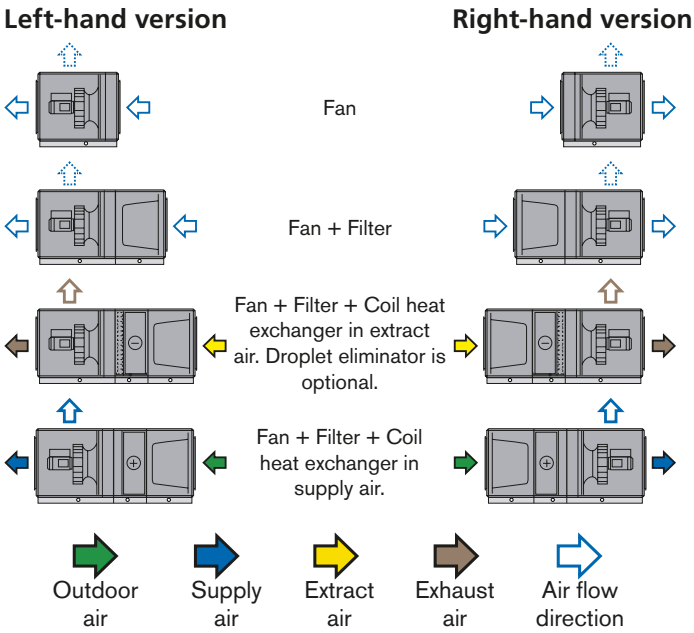
GOLD SD, size 040

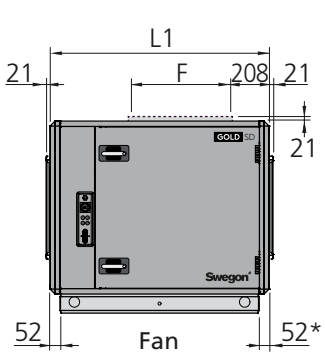
Delivery and transport within the site

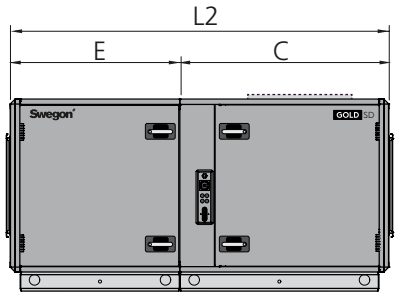
The GOLD SD 040 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

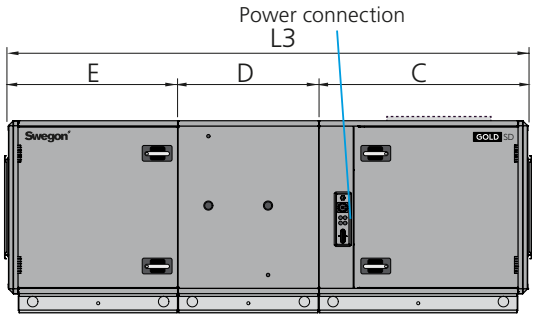
Duct connection options

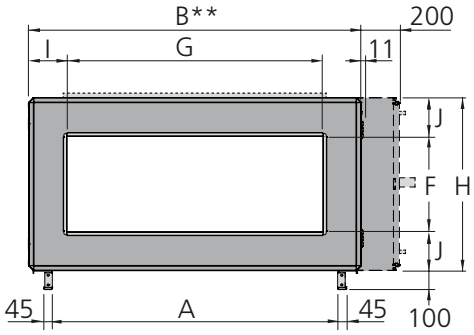
A: Specify right-hand or left-hand version when ordering.
B: Specify fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).











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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
040	288-357	438-538	899-986

Size	L1	L2	L3	B	H	A	C	D	E	F	G	I	J
040	1253	2088	2988	1990	1079.5	1744	1202	900	886	600	1400	295	239.5

Clear space for inspection

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

Power connection

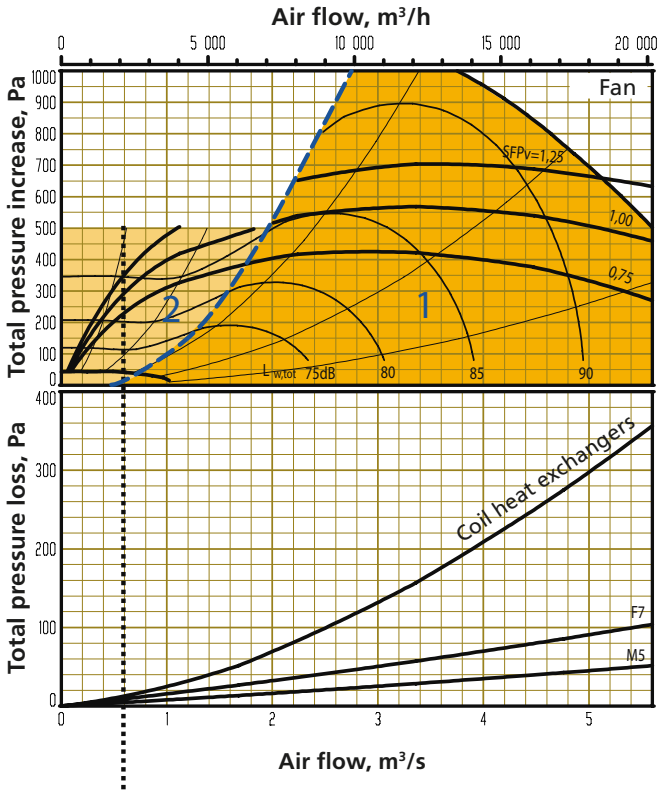
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

Rated data per fan

Motor shaft power: 6.5 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD SD, size 050



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 5.6 m³/s (2016) and 5.34 m³/s (2018) respectively.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
050	2160	0,6	20160	5,60

Correction factors, K_{OK} , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To unit's the surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 050

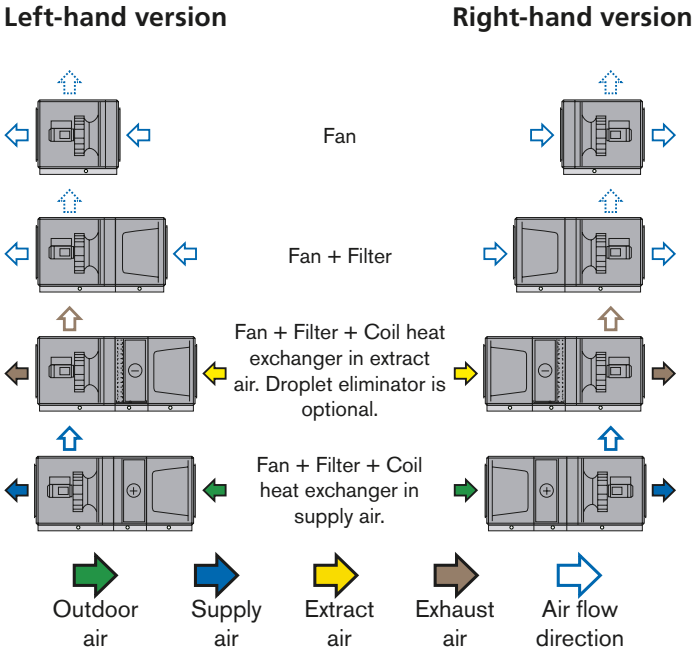
Delivery and transport within the site

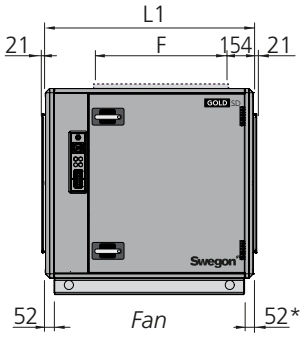
The GOLD SD 050 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

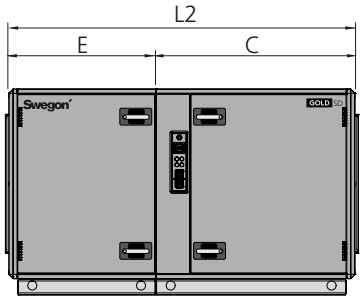
Duct connection options

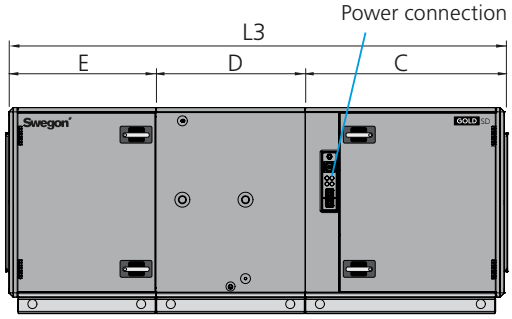
A: Specify right-hand or left-hand version when ordering.

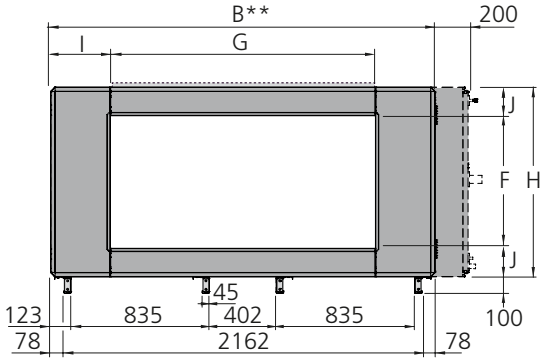
B: Specify fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).











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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
050	331-401	516-625	1069-1196

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
050	1253	2088	2988	2318	1144	1202	900	886	800	1600	359	172

Clear space for inspection

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

Power connection

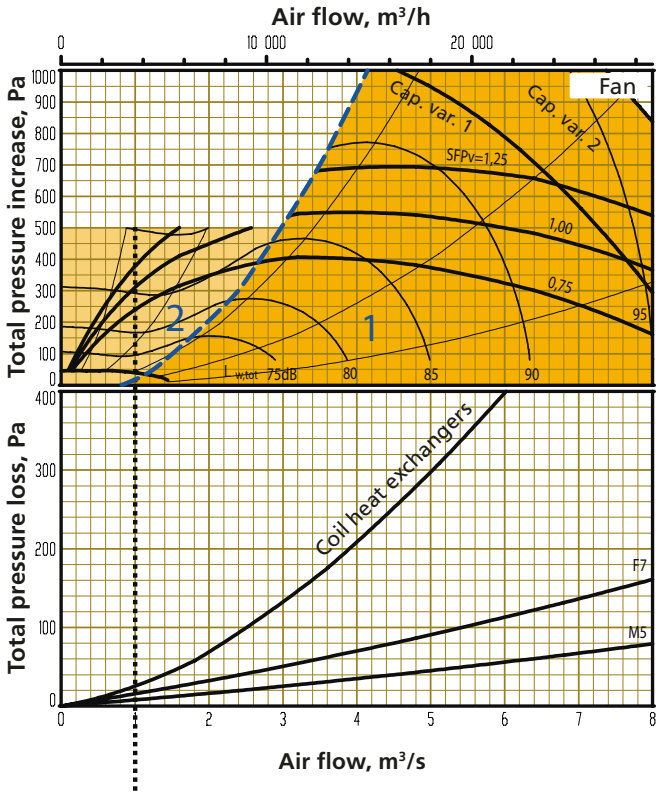
3-phase, 5-wire, 400 V -10/+15%, 50 Hz, 16 A

Rated data per fan

Motor shaft power: 6.5 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD SD, size 060



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 7.38 m³/s (2016) and 6.94 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 6.96 m³/s (2016) and 5.2 m³/s (2018) respectively.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
060	3600	1,00	28800	8,00

Correction factors, K_{OK} , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To unit's the surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 060

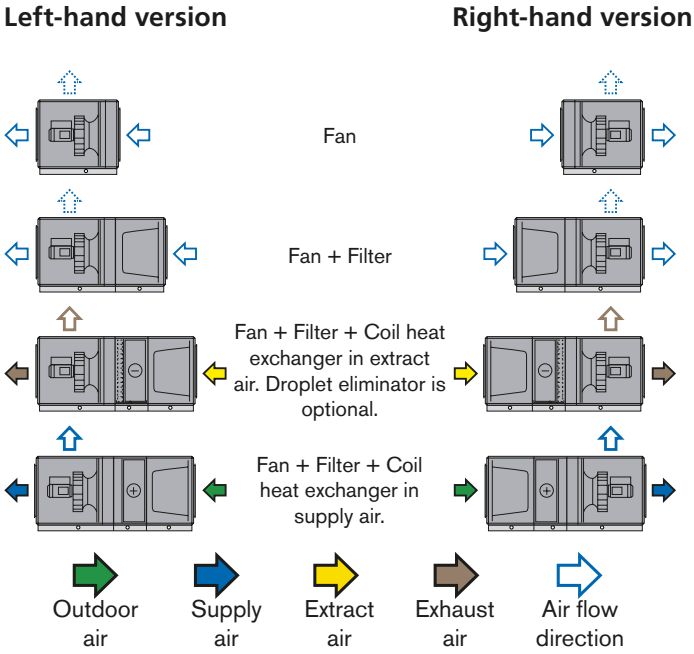
Delivery and transport within the site

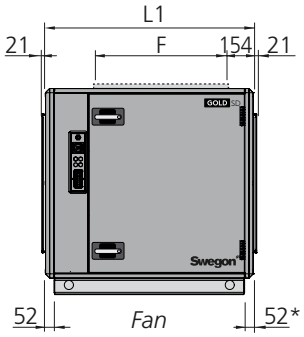
The GOLD SD 060 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.
The air handling unit can be supplied as one single unit or in an optional division of sections.
The unit sections are jointed together/split by means of bolts.
The electrical and control cables between the unit sections have quick-fit connectors.
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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.
The air handling unit/unit sections is/are delivered on wooden beams.

Duct connection options

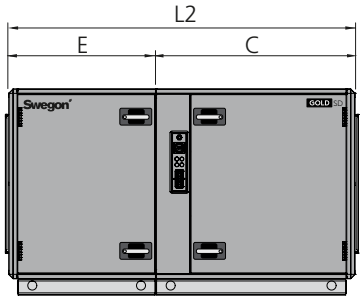
A: Specify right-hand or left-hand version when ordering.

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

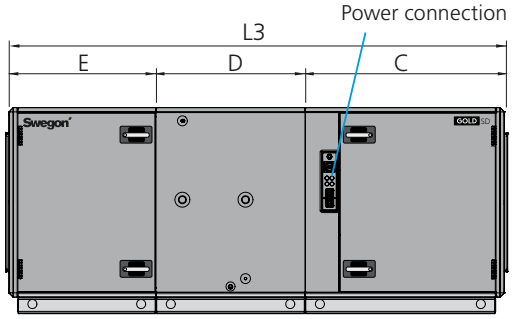




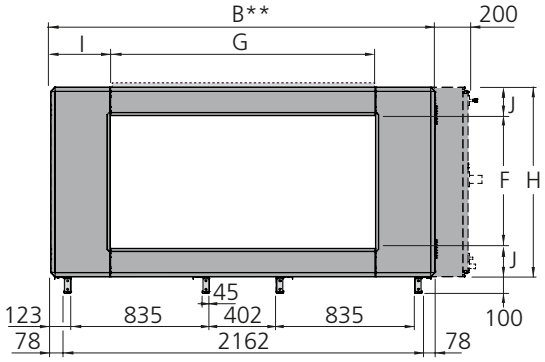
Fan



Fan + filter



Fan + filter + coil heat exchanger



** The air handling unit is supplied without end connection panel if a duct accessory housed in an insulated casing will be connected.*
The AHU can also be supplied with full face end connection panel (accessory).
*** Width of coil heat exchanger (if required) = B + 200 mm.*

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
060	404-474	589-698	1142-1269

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
060	1253	2088	2988	2318	1144	1202	900	886	800	1600	359	172

Clear space for inspection

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

Power connection

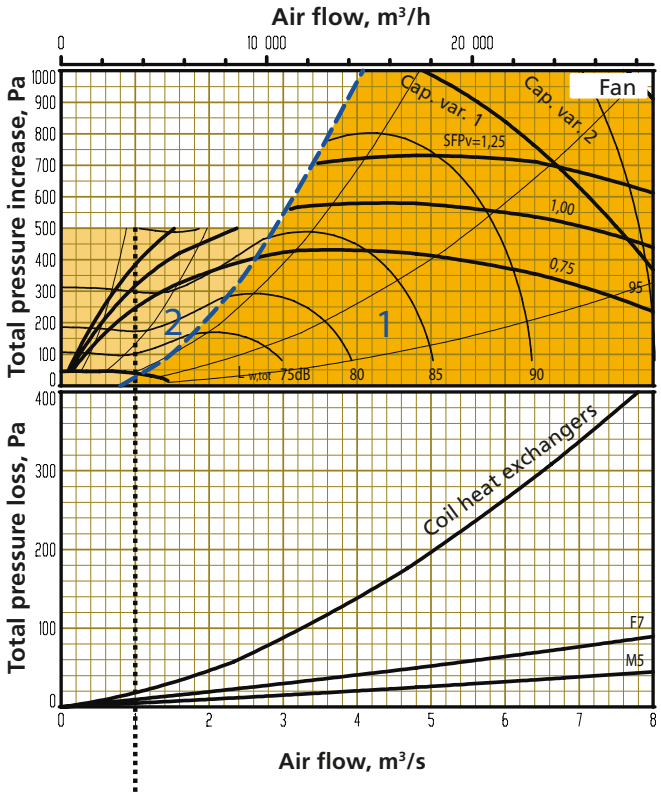
3-phase, 5-wire, 400 V -10/+15%, 50 Hz,
16 A (capacity variant 1) alt. 25 A (capacity variant 2)

Rated data per fan

Motor shaft power: 2 x 4.0 kW alt. 2 x 6.5 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD SD, size 070



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements according to Ecodesign 2016 as well as Ecodesign 2018 if the mean supply air and extract air flows do not exceed 7.85 m³/s.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements according to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 7.84 m³/s (2016) and 6.91 m³/s (2018).*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
070	3600	1,00	28800	8,00

Correction factors, K_{OK} , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To unit's the surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 070

Delivery and transport within the site

The GOLD SD 070 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.

The air handling unit can be supplied as one single unit or divided when it consists of a fan section and filter section. If the unit consists of a fan section, filter section and coil heat exchanger, it is supplied as two units. The one unit then consists of a fan section and coil heat exchanger and the other unit consists of a filter section.

The unit sections are jointed together/split by means of bolts. The electrical and control cables between the unit sections have quick-fit connectors.

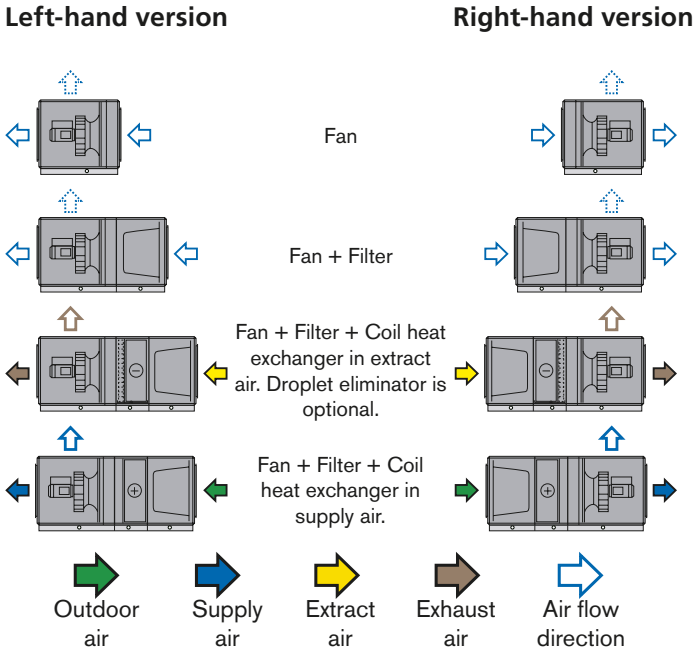
The GOLD SD can be used as a supply air or an extract air handling unit. If both supply air and extract air handling units are used in a ventilation system, the supply air unit is equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.

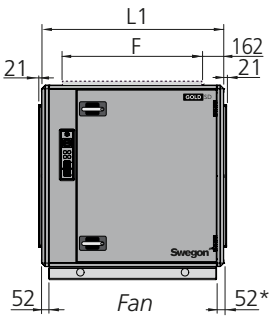
The air handling unit/unit sections is/are delivered on wooden beams.

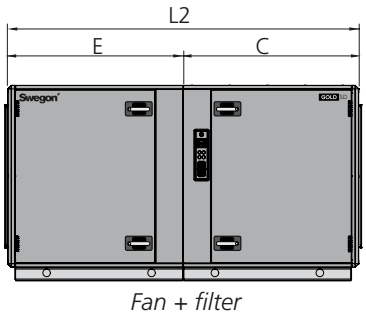
Duct connection options

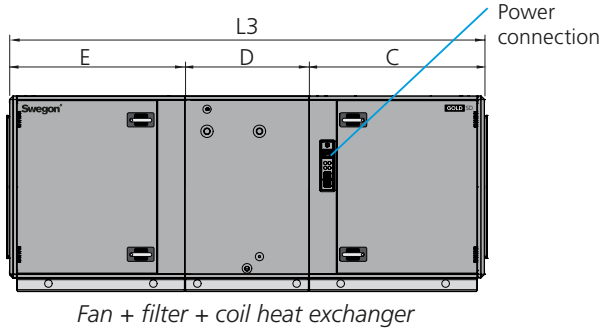
A: Specify right-hand or left-hand version when ordering.

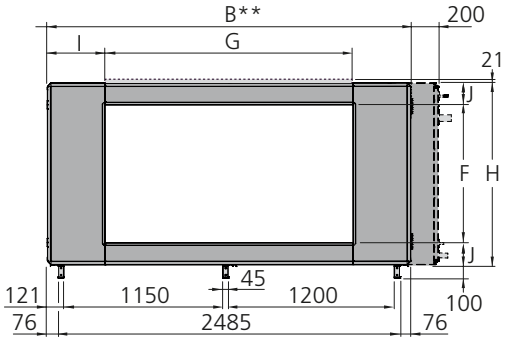
B: Specify fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).











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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
070	496-578	791-918	1504-1630

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
070	1325	2547	3447	2637	1320	1273.5	900	1273.5	1000	1800	418.5	160

Clear space for inspection

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

Power connection

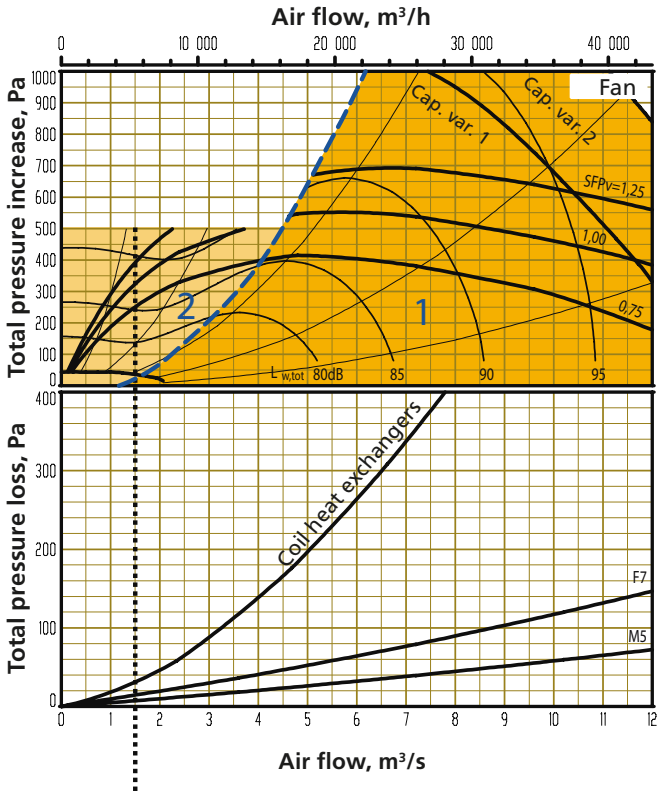
3-phase, 5-wire, 400 V -10/+15%, 50 Hz,
16 A (capacity variant 1) alt. 25 A (capacity variant 2)

Rated data per fan

Motor shaft power: 2 x 4.0 kW alt. 2 x 6.5 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, Installation, Dimensions and Weights

GOLD SD, size 080



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 11.9 m³/s (2016) and 11.0 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 7.82 m³/s (2016) and 6.59 m³/s (2018) respectively.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
080	5400	1,50	43200	12.0

Correction factors, K_{OK} , dB

Sound path	Range in diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct*	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To unit's the surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, Installation, Dimensions and Weights

GOLD SD, size 080

Delivery and transport within the site

The GOLD SD 080 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.

The air handling unit can be supplied as one single unit or divided when it consists of a fan section and filter section. If the unit consists of a fan section, filter section and coil heat exchanger, it is supplied as two units. The one unit then consists of a fan section and coil heat exchanger and the other unit consists of a filter section.

The unit sections are jointed together/split by means of bolts. The electrical and control cables between the unit sections have quick-fit connectors.

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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.

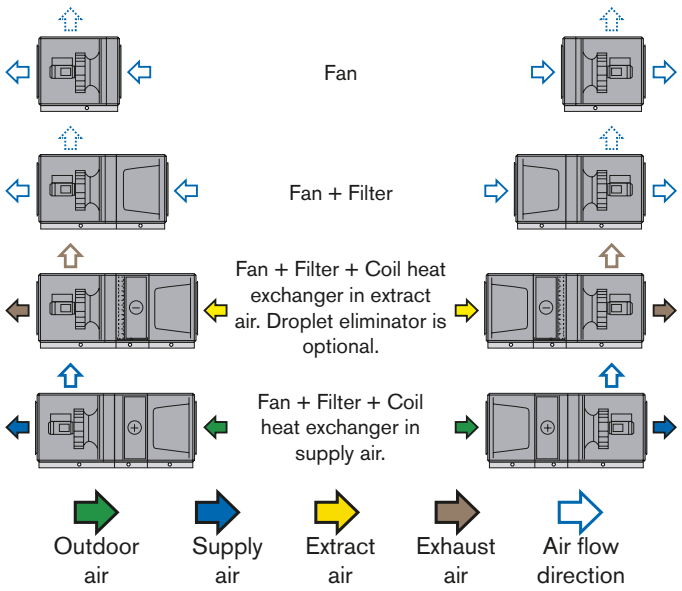
The air handling unit/unit sections is/are delivered on wooden beams.

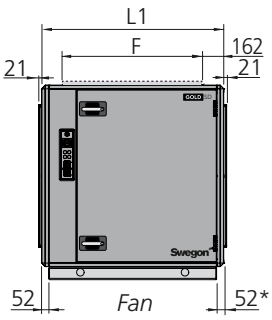
Duct connection options

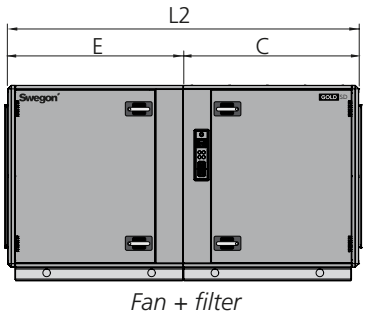
A: Specify right-hand or left-hand version when ordering.

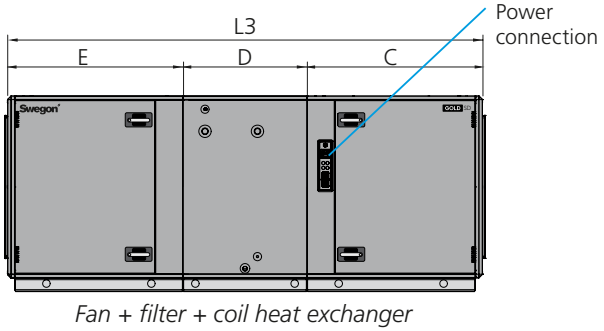
B: Specify fan outlet for upward air discharge when placing orders (Does not apply to units installed outdoors).

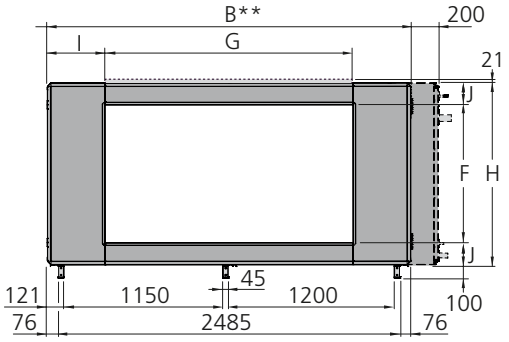
Left-hand version **Right-hand version**











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

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

Size	Weight, kg fan	Weight, kg fan+filter	Weight, kg fan + filter + coil
080	523-677	818-1017	1531-1729

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J
080	1325	2547	3447	2637	1320	1273.5	900	1273.5	1000	1800	418.5	160

Clear space for inspection

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

Power connection

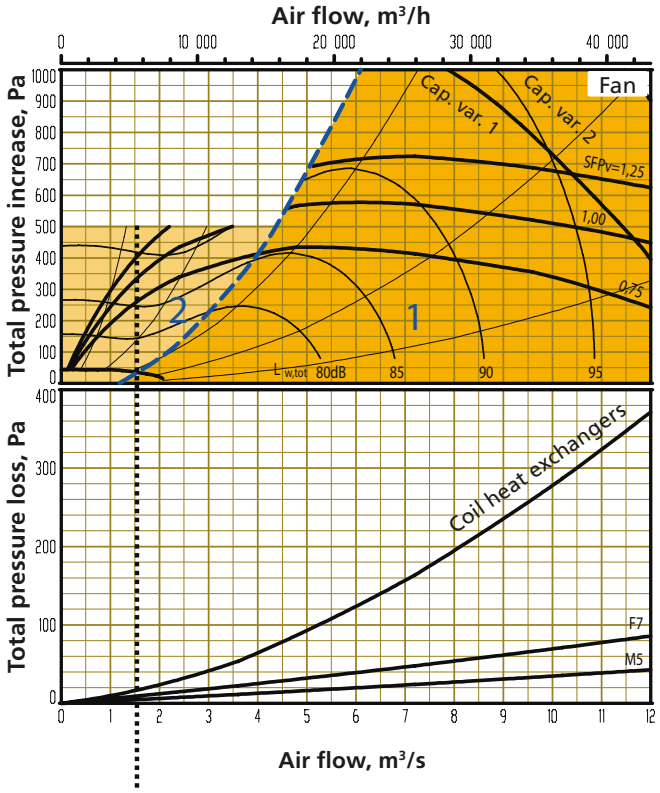
3-phase, 5-wire, 400 V -10/+15%, 50 Hz,
25 A (capacity variant 1) or 40 A (capacity variant 2)

Rated data per fan

Motor shaft power: 2 x 6.5 kW alt. 2 x 10 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, installation, dimensions and weights

GOLD SD, size 100



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016 and Ecodesign 2018 if the mean supply air and extract air flows do not exceed 11.2 m³/s.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016 and Ecodesign 2018 if the mean supply air and extract air flows do not exceed 11.1 m³/s.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
100	5400	1,50	43200	12.0

Correction factors, K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct**	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To the air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, installation, dimensions and weights

GOLD SD, size 100

Delivery and transport within the site

The GOLD SD 100 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.

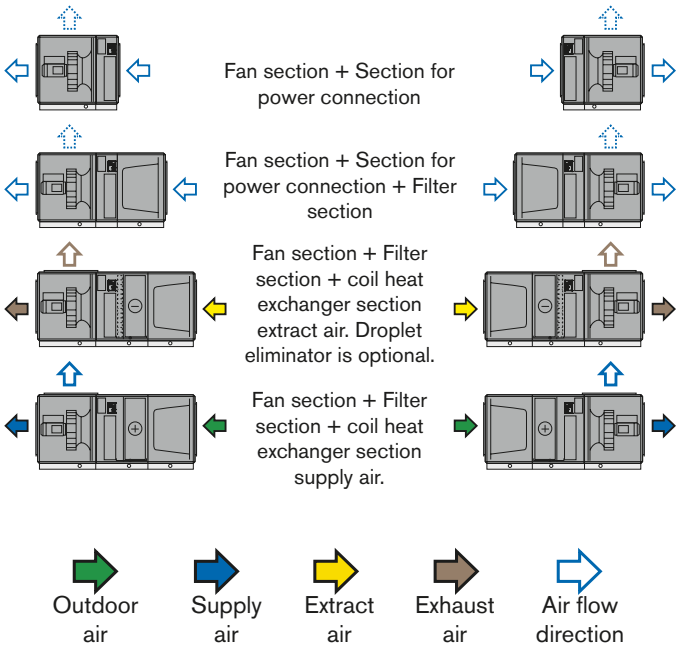
A special section for power connection is required for only fan section or fan section + filter section. For fan section + filter section + coil heat exchanger section, the power is connected to the section for coil heat exchanger.

If the electrical connection section is included in the delivery, this is always fitted with the fan section. Other air handling unit parts are always supplied separately.

The unit sections are jointed together/split by means of bolts. The electrical and control cables between the unit sections have quick-fit connectors.

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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.

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

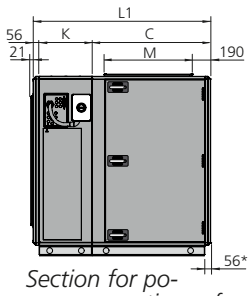


Duct connection options

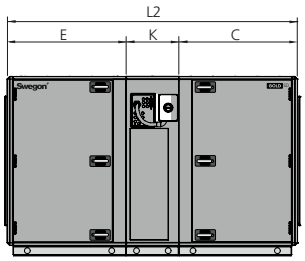
A: Specify right-hand or left-hand version when ordering.

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

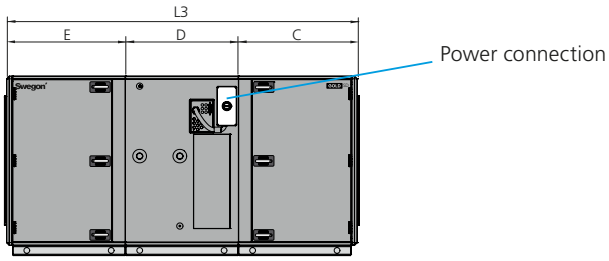
N.B.! Duct connection size: 2500 x 800 mm.



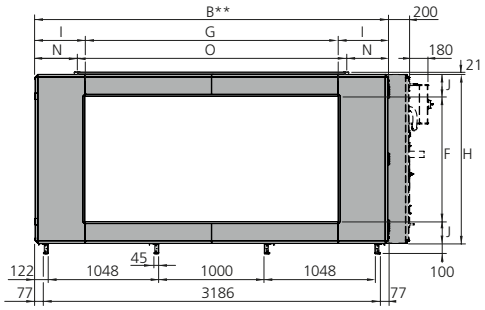
Section for power connection + fan



Filter + Section for power connection + fan



Filter + coil heat exchanger + fan



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

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

Size	Weight, kg section for power conn. + fan	Weight, kg filter + section for power conn. + fan	Weight, kg filter + coil + fan
100	861-991	1263-1531	2147-2440

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J	K	M	N	O
100	1681	2752	3322	3340	1620	1126	1070	1126	1200	2400	470	210	500	800	420	2500

Clear space for inspection

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

Power connection

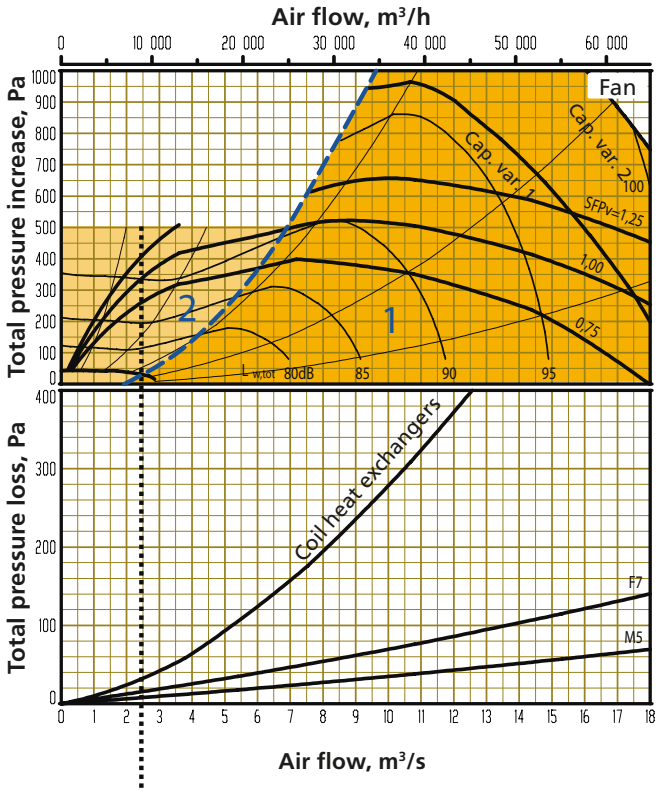
3-phase, 5-wire, 400 V -10/+15%, 50 Hz,
25 A (capacity variant 1) or 40 A (capacity variant 2)

Rated data per fan

Motor shaft power: 2 x 6.5 kW alt. 2 x 10 kW,
motor control system: 3 x 400 V, 50 Hz

Sizing, installation, dimensions and weights

GOLD SD, size 120



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

*Air handling units **without** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 17.0 m³/s (2016) and 16.4 m³/s (2018) respectively.*
*Air handling units **with** coil heat exchangers, capacity variant 2 and full face end connection panels, comply with requirements to Ecodesign 2016/2018 if the mean supply air and extract air flows do not exceed 12.1 m³/s (2016) and 10.1 m³/s (2018) respectively.*
Other values in diagrams are calculated for air handling units with standard end connection panels.

Recommended working range for sizing.

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

Min. and max. airflows

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

Size	Min. airflow (on airflow regulation)		Max. airflow	
	m³/h	m³/s	m³/h	m³/s
120	9000	2,50	64800	18.0

Correction factors, K_{OK} , dB

Sound path	Range in the diagram	Octave band, no./mid-frequency, Hz							
		1	2	3	4	5	6	7	8
		63	125	250	500	1000	2000	4000	8000
To the outlet duct	1	-4	-9	-7	-5	-8	-9	-11	-11
	2	2	-4	-7	-7	-10	-12	-16	-17
To the inlet duct**	1	-5	-6	-2	-10	-14	-12	-10	-6
	2	0	1	-2	-11	-16	-14	-15	-11
To the air handling unit surroundings	1	-15	-23	-30	-26	-41	-42	-45	-42
	2	-9	-18	-30	-28	-43	-45	-50	-48

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

Sizing, installation, dimensions and weights

GOLD SD, size 120

Delivery and transport within the site

The GOLD SD 120 units are available in right-hand or left-hand version, as a fan section only, as a fan section and filter section or as a fan section, filter section and coil heat exchanger section.

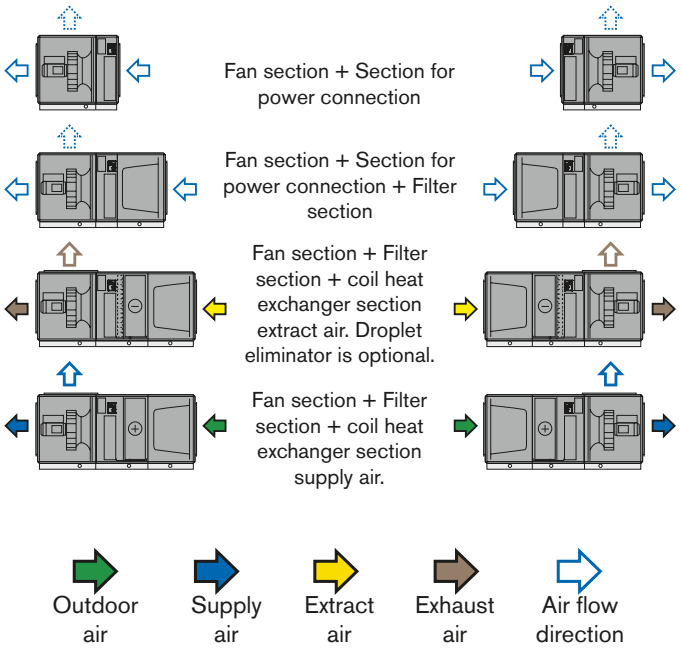
A special section for power connection is required for only fan section or fan section + filter section. For fan section + filter section + coil heat exchanger section, the power is connected to the section for coil heat exchanger.

If the electrical connection section is included in the delivery, this is always fitted with the fan section. Other air handling unit parts are always supplied separately.

The unit sections are jointed together/split by means of bolts. The electrical and control cables between the unit sections have quick-fit connectors.

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 equipped with a control unit, but not the extract air unit. A communication cable is used to connect both air handling units to one another making it possible to control both units.

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

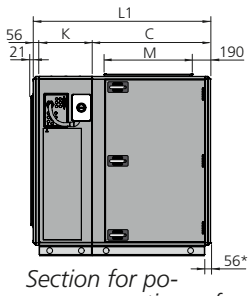


Duct connection options

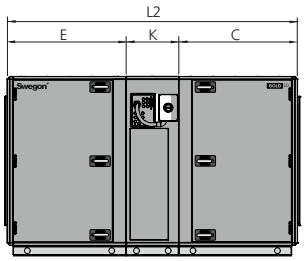
A: Specify right-hand or left-hand version when ordering.

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

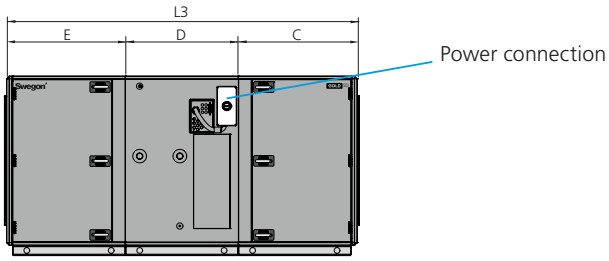
N.B.! Duct connection size: 2500 x 800 mm.



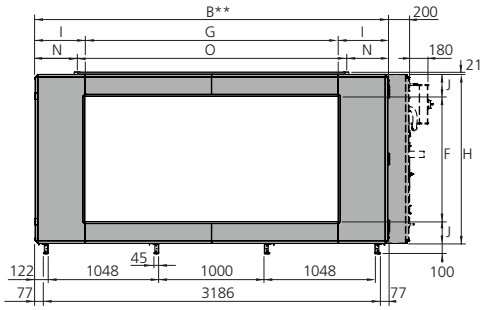
Section for power connection + fan



Filter + Section for power connection + fan



Filter + coil heat exchanger + fan



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

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

Size	Weight, kg section for power conn. + fan	Weight, kg filter + section for power conn. + fan	Weight, kg filter + coil + fan
120	961-1127	1363-1667	2247-2576

Size	L1	L2	L3	B	H	C	D	E	F	G	I	J	K	M	N	O
120	1681	2752	3322	3340	1620	1126	1070	1126	1200	2400	470	210	500	800	420	2500

Clear space for inspection

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

Power connection

3-phase, 5-wire, 400 V -10/+15%, 50 Hz,
40 A (capacity variant 1) or 63 A (capacity variant 2)

Rated data per fan

Motor shaft power: 3 x 6.5 kW or 3 x 10 kW,
motor control system: 3 x 400 V, 50 Hz