SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

14136-10-1000

Swegon CASA W3xs

Warengruppe: Lüftung - Zentrale Lüftungsanlage

bluMartin
A **Swegon Group** company

bluMartin GmbH
Argelsrieder Feld 1b,
82234 Wessling

Produktqualitäten:

SHI-
Produkt
bewertung
2024
✔

GEPRÜFT NACHHALTIGES PRODUKT
SHI
PRODUKT
PASS
SENTINEL HOLDING
INSTITUT
www.sentinel-haus.de

Köttner

Helmut Köttner
Wissenschaftlicher Leiter
Freiburg, den 08.10.2024

Inhalt

Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.

Produkt:
Swegon CASA W3xs

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SHI-Produktbewertung 2024

Seit 2008 etabliert die Sentinel Holding Institut GmbH (SHI) einen einzigartigen Standard für schadstoffgeprüfte Produkte. Experten führen unabhängige Produktprüfungen nach klaren und transparenten Kriterien durch. Zusätzlich überprüft das unabhängige Prüfunternehmen SGS regelmäßig die Prozesse und Aktualität.

Kriterium	Produktkategorie	Bewertung
SHI-Produktbewertung	sonstige Produkte	Schadstoffgeprüft
Gültig bis: 11.09.2026		

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Produktsiegel

In der Baubranche spielt die Auswahl qualitativ hochwertiger Materialien eine zentrale Rolle für die Gesundheit in Gebäuden und deren Nachhaltigkeit. Produktlabels und Zertifikate bieten Orientierung, um diesen Anforderungen gerecht zu werden. Allerdings besitzt jedes Zertifikat und Label eigene Prüfkriterien, die genau betrachtet werden sollten, um sicherzustellen, dass sie den spezifischen Bedürfnissen eines Bauvorhabens entsprechen.

Dieses Produkt ist schadstoffgeprüft und wird vom Sentinel Holding Institut empfohlen. Gesundes Bauen, Modernisieren und Betreiben von Immobilien erfolgt dank des Sentinel Holding Konzepts nach transparenten und nachvollziehbaren Kriterien.

SENTINEL HOLDING
INSTITUT

Produkt:
Swegon CASA W3xs

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Rechtliche Hinweise

(*) Die Kriterien dieses Steckbriefs beziehen sich auf das gesamte Bauobjekt. Die Bewertung erfolgt auf der Ebene des Gebäudes. Im Rahmen einer sachgemäßen Planung und fachgerechten Installation können einzelne Produkte einen positiven Beitrag zum Gesamtergebnis der Bewertung leisten. Das Sentinel Holding Institut stützt sich einzig auf die Angaben des Herstellers.

Alle Kriterien finden Sie unter:

https://www.sentinel-haus.de/de/Sentinel-Haus/Qualit%C3%A4ten/Qualitaeten-Pruefkriterien

Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.

SGS

SGS
TÜV
S A A R

Herausgeber

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Tel.: +49 761 59048170
info@sentinel-haus.de
www.sentinel-haus.de

CASA W3 xs Genius

Technical catalogue

QUICK FACTS

- CASA Genius control system
- Demand-controlled humidity function as standard
- Automatic summer function and passive cooling
- Anti-frost protection ensures continuous ventilation
- External coils for heating and cooling as an option
- Can be connected to the automated building management system (I/O/Modbus, connection box as standard)
- Mounted on the wall or ceiling

UNIT TECHNICAL CONTENT	
Air flow range	10-80 l/s 36-288 m³/h
Dimensions, w x l x h	597 x 599 x 446 mm
Duct outlets	4 x Ø 125 mm
Cooker hood outlet	Ø 125 mm
Energy calculations and acoustic data	procasa.swegon.com
Connection power	1240 W | 1740 W
Power connection	230 V, 50 Hz, 10 A
Fans	220 W, EC
Filters	ISO ePM1 50% (F7) filter for supply air and ISO coarse (G3) for extract air
Colour	Exterior White, RAL 9016 (corresponds to NCS S0502-G50Y)

Content

Technical description

Swegon CASA W3 xs Genius

Air handling unit with counterflow heat exchanger (597 x 599 x 446 mm, Ø 125 mm) suitable installation in homes (150 m²). The unit's sound level is low. The intelligent demand-controlled humidity function is standard.

Indoor environmental quality

Ventilation control

The unit is controlled steplessly with automation functions to quarantee the best indoor environmental quality. The user can select five operating modes home, away, boost, travelling and home+ by using control panel, cooker hood or Swegon CASA app. Operation modes can be automated with unit's weekly programs.

Temperature control

The supply air temperature is controlled with heat exchanger and if needed with optional heating or cooling element.

The unit has automatic summer time detection. The function sets lower supply air temperature setpoint and boost ventilation in order to bring more fresh outdoor air to the apartment during summer nights.

Available variants

Standard units are available in following variants:

- Unit with RH-sensor, connection power 1240 W
  L (exhaust air left) / **R** (exhaust air right)

- Unit with RH- and CO2-sensor,
  connection power 1240 W
  L (exhaust air left) / **R** (exhaust air right)

- Unit with RH- and VOC-sensor,
  connection power 1240 W
  L (exhaust air left) / **R** (exhaust air right)

- Unit with RH-sensor, connection power 740 W
  L (exhaust air left) / **R** (exhaust air right)

2024-01-31   Swegon reserves the right to alter specifications.

Components

Fans

CASA W3 xs is equipped with energy efficient EC fans.

Filter

The ventilation unit is equipped with ISO ePM1 50% (F7) filter for supply air and ISO coarse (G3) for extract air. The need of filter replacement is indicated on the control panel and on the CASA cooker hood.

Heat exchanger

The ventilation unit is equipped with **a plate heat exchanger which is based on the counterflow technology**. The incoming and outgoing air flows in a counterflow plate heat exchanger use separate channels, and thanks to this the heat exchanger does not return any odours back into the room air. It also does not return moisture and is therefore very well suited to dwellings with high humidity (eg abundant sauna and laundry).

The heat exchanger operates with the best possible efficiency in all conditions. This is possible with the demand and learning defrosting technology, which steplessly controls the heaters. Intelligent defrosting never leads cold outdoor air past the heat exchanger, keeping the supply air temperature constantly at a comfortable level.

External connections

All connections can be made without opening the electrical box. Plug-in modules are available for external connections. Wide variety of IO functions are available.

The ventilation unit is equipped with In-build Modbus and connection box.

Modbus cabling can also be made easily with external cable (SEC) or module (SEM). Unit can be fully controlled with Modbus and all external IO´s can be configured to Modbus usage.

Protective functions

The heat exchanger freeze protection

The defrosting function guarantees continuous ventilation and maintains units performance even during extreme conditions. If reheat can't maintain sufficient supply air temperature, the air flows are reduced.

The fan overheating protection

The fan overheat protection stops the fan if the temperature rises too high and is reseted automatically. If protection stops the fans an alarm is generated.

Electric air heaters

The electric heater is equipped with automatic and manual overtemperature protection. Overheat cuts the heating circuit and generates an alarm.

Cold supply air

The ventilation unit has built-in condensation protection. If the supply air is too cold, the ventilation unit stops and an alarm is generated

High temperature

If supply air or units internal temperature is detected dangerously high the unit is stopped and an alarm is generated.
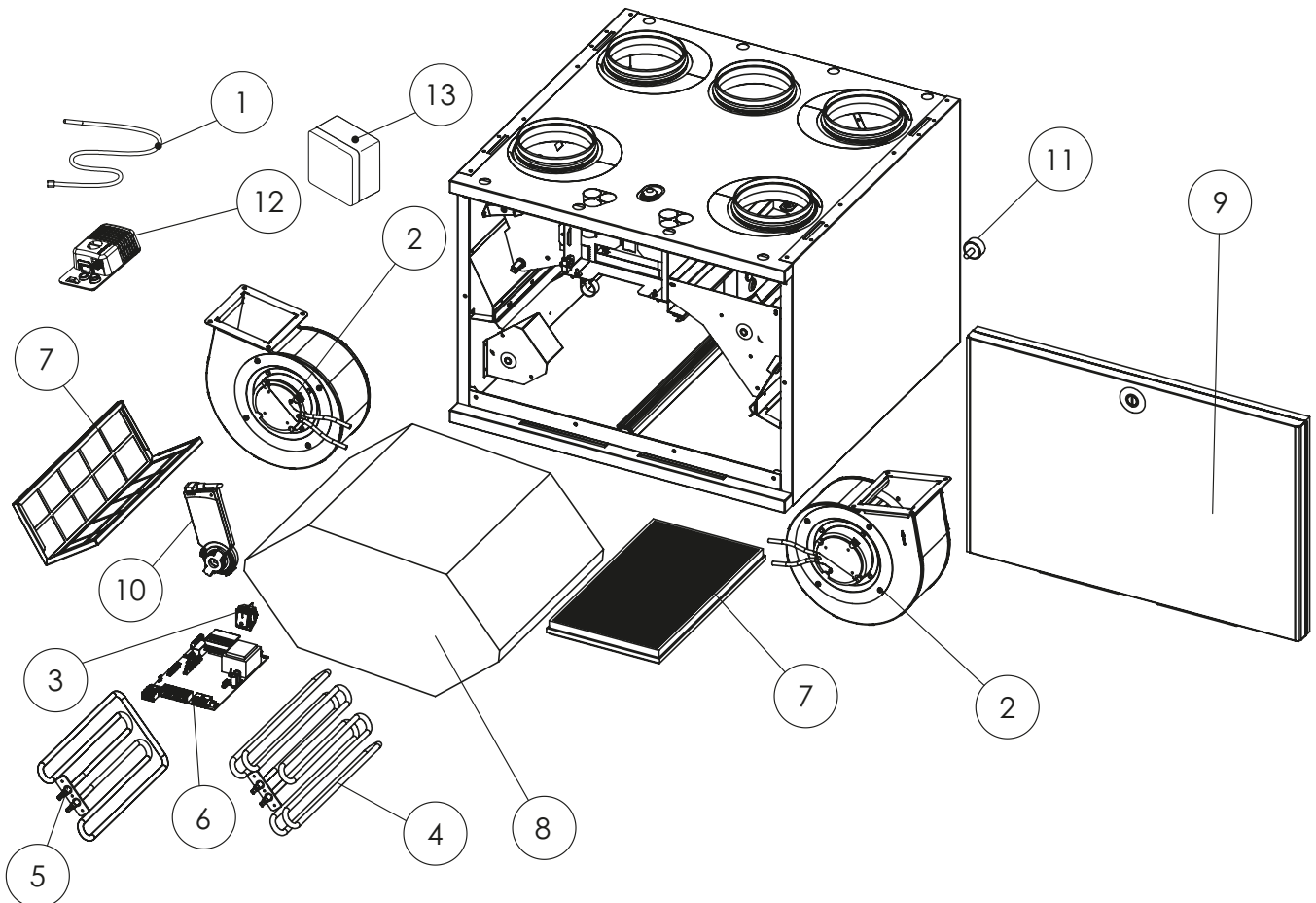
Temperature sensors

If a sensor fault is detected, an alarm is generated. If the faulted sensor is critical the ventilation unit is stopped. The ventilation unit returns to normal mode once the fault has been corrected.

Swegon

The delivery includes

- Ventilation unit
- Anti-vibration mountings (2 pcs.)
- Quick Guide
- Installation and commissioning instruction
- Product fiche

Standard connections

- Power cord with earthed plug (2 m)
- SEM connection module with cable (2 m)
- Modular cable with RJ9 connector (1.5 m)
- Freely configurable I/O contacts for connection of accessories (2 pcs.)

1. **Temperature sensor**
2. **Fan (left + right)**
3. **Operating switch**
4. **Pre-heating module**
5. **Reheating module**
6. **Genius control board**
7. **Set of filters: ISO ePM1 50% (F7) for supply air, ISO coarse (G3) for extract air**
8. **Heat exchanger**
9. **Door**
10. **Damper motor**
11. **Anti-vibration mountings (2 pcs.)**
12. **Sensor package, RH**
13. **Connection box**

Swegon

Swegon CASA Genius
Intelligent control of the ventilation

With Swegon CASA Genius residents can monitor the indoor air quality (RH, CO2, VOC, °C), adjust ventilation to their wishes or let the intelligent control to adjust ventilation automatically while saving energy and providing fresh and healthy indoor air.

The Swegon CASA control panel (GC10)
Wall-mounted touch screen for external or flush mounting. From the touch screen user can monitor ventilation, change ventilation mode, change the settings and commission the ventilation unit. The screen can be connected to the home WLAN, enabling the ventilation to be controlled remotely from a Swegon CASA mobile app

The Swegon CASA app
With Swegon CASA app residents can use all the control functions remotely from their own smartphone. Users get more information about their home's air quality as well as valuable instructions and advice about the ventilation (requires Swegon Genius control panel).
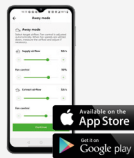
The CASA Service app
for quick and easy commissioning. The app works locally together with the ventilation unit and doesn't require connection to network. The app defines the I/O connections, presets the fan speeds that correspond to specified air volumes, as well as automatically sets air volumes for home and boost mode. Finished settings can be saved in the app and copied to the next apartment (requires Swegon Genius control panel).

Swegon CASA cooker hood
With cooker hoods, it is possible to control the ventilation unit's operating mode (home, away, boost), the cooker hood's shut-off damper and the lighting in the hood. The system balances the ventilation automatically when using the cooker hood.
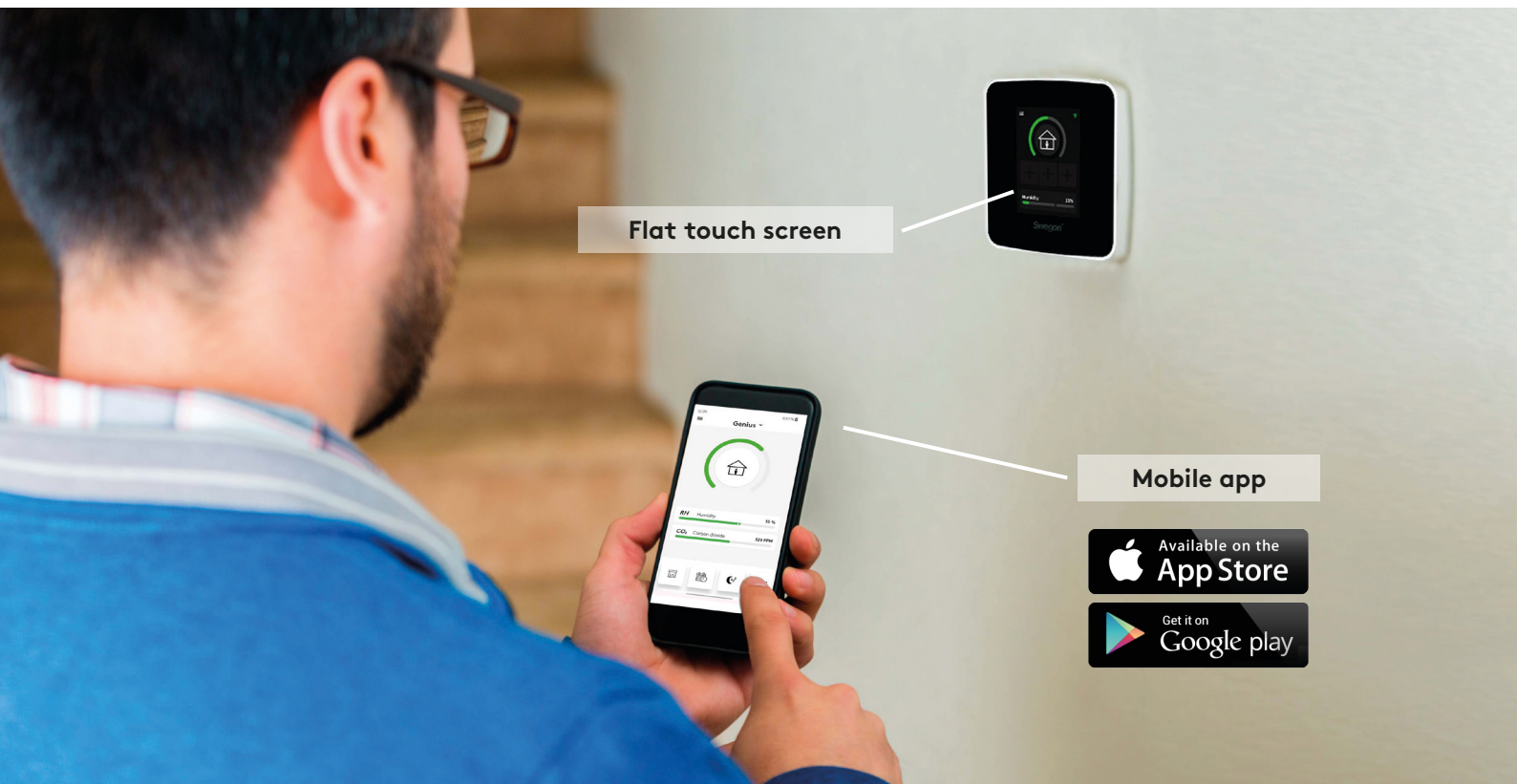
The Swegon CASA HOME/AWAY/BOOST control switch (GC04)
Wall-mounted control switch for selecting boost, home and away modes.

Home automation
Can be connected to the home automation for centralised monitoring and control, either directly via configurable I/O or with the aid of a separate Modbus connection module (SEM).

Flat touch screen

Mobile app

Basic modes

You can switch as required to an appropriate operating mode or let the pre-programmed weekly clock switch operating mode according to the diurnal rhythm you want.

Home
Normal air flow. Sufficient amount of fresh indoor air to ensure the wellbeing of the residents and the structural building elements when there are people in the home.

Home+
Higher air flow. Can be used when more ventilation is required. The home owner can change the efficiency of the operating mode from the settings.

Boost
High air flow. Used if the ventilation requirement increases, for example, when cooking, taking a bath or drying laundry, or when an unusually large number of people are in the home.

Away
Low air flow. Reduces the energy consumption when nobody is present in the home.

Travelling
Very low air flow and lower supply air temperature. Used when nobody is present in the home.

Automatic functions

The intelligent ventilation monitors the quality of the indoor air and adjusts the ventilation automatically.

| RH | Humidity | 35% |

Automatic RH system included as standard
Humidity automation removes damaging moisture. The intelligent control analyses the indoor air continuously and regulates the ventilation steplessly so that excess moisture is removed, for example when you are washing.

| CO_2 | Carbon dioxide | 520 PPM |

Automatic CO2 system as optional equipment
Automatically lowers the ventilation and saves energy when nobody is in the home. When the residents are at home, the ventilation is automatically boosted to bring exactly the right amount of fresh air into the home.

| VOC | Air quality | 950 PPM |

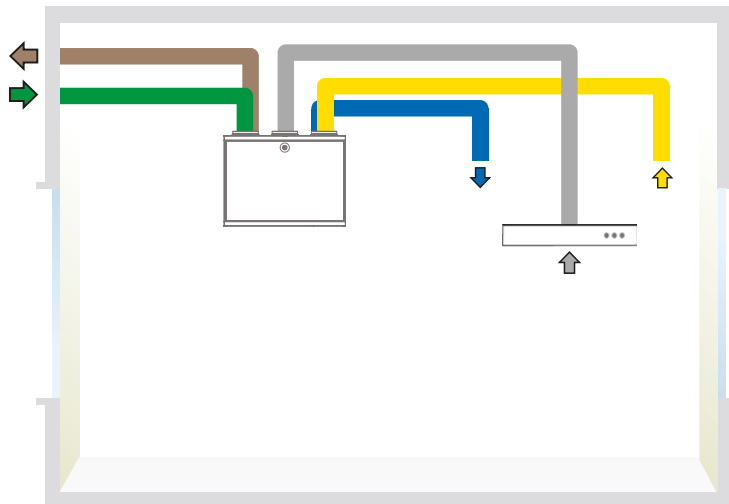**Automatic VOC system as optional equipment**
The automatic air quality system boosts the ventilation if pollution, odours or vapours (evaporating organic compounds) are detected in the indoor air.

Swegon CASA -liesikuvulta voi ohjata ilmanvaihtoa

Design data

CASA W3 xs L, duct connections and cooker hood connected to the ventilation unit's kitchen duct connection.
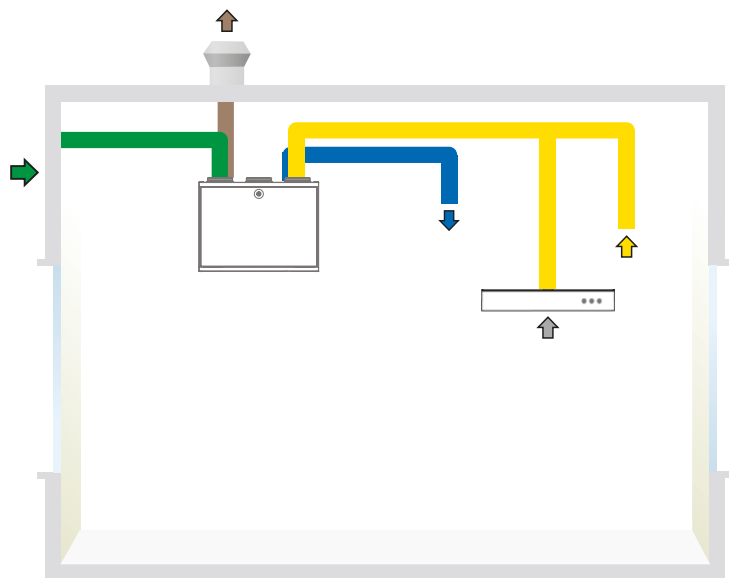
CASA W3 xs L, duct connections and cooker hood connected to the extract air duct.
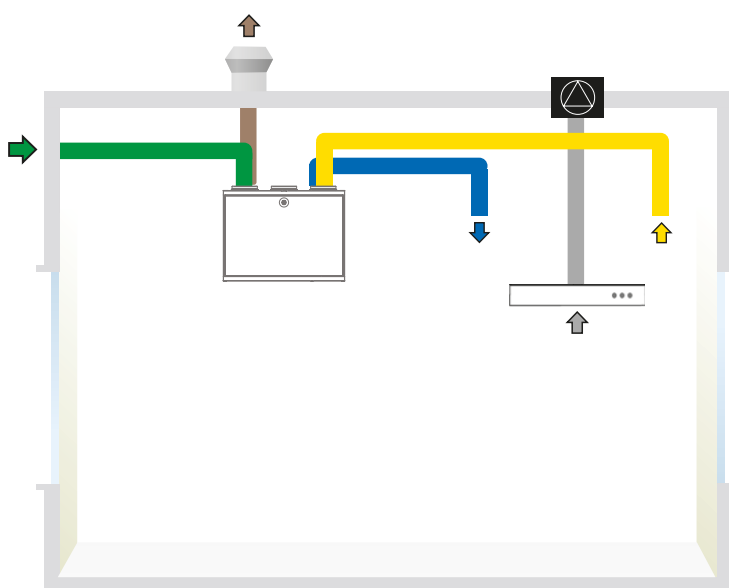
CASA W3 xs L, duct connections and cooker hood connected to external ceiling fan.

Outdoor air   Supply air   Extract air   Exhaust air

Note! Always check the unit design (L/R) and correct duct sequence in the installation instructions.

Swegon reserves the right to alter specifications.   2024-01-31   **Swegon**

ProCASA®

Energy calculation, functional diagram and acoustic data on ProCASA.

procasa.swegon.com

Energy calculator

Select area

CAN - Ottawa

-33ºC 28ºC
Source: ASHRAE Fundamentals 2021

Select and print pages
☑ Energy calculation and dimensions

Print

Project	
Customer	
Designed by	
Location	

Default values

Metric

l/s

	Supply air		Extract air	
Air flow	50	l/s	50	l/s
Duct pressure	80	Pa	80	Pa

Click here for dynamic fan curves
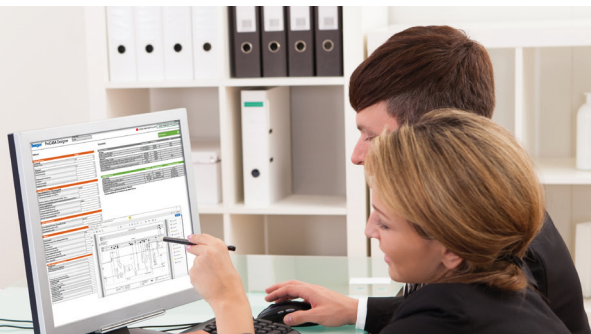
Cooker hood airflow   0   l/s
usage time per day   0   h/d

Indoor temperature 21ºC
Minimum supply air temperature (+10ºC...+21ºC)

+10 +11 +12 +13 +14 +15 +16 +17 +18 +19 +20 +21

*) Additional accessories may be needed

Max airflow rate   82 l/s
Sound power level: 39 dB(A)

R3 is ventilation unit with rotary heat exchanger
The minimum air flow is 25 l/s

Fan power and energy use EN13141-7

Supply air	36 W
Extract air	36 W
SPI	0.45 W / (m³/h)
SFP	1.63 kW / (m³/s) ⓘ
Annual energy use of fans	631 kWh

Energy used to heat the air EN13141-7

Reheating to 17 ºC	314 kWh	367W peak load
Energy used without heat recovery	7016 kWh	
Annual energy efficiency for AHU (17 ºC)	96 %	ⓘ
Temperature efficiency of heat exchanger	84 %	ⓘ
Temperature efficiency of air handling unit	80 %	ⓘ

Acoustic data

Octave band (Hz)	63, L_W	125, L_W	250, L_W	500, L_W	1k, L_W	2k, L_W	4k, L_W	8k, L_W	L_WA
Sound emitted to:	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
supply air duct	81	74	68	64	61	57	49	39	67
extract air duct	69	65	57	51	42	34	21	22	54
outdoor air duct	71	66	58	47	43	31	21	22	54
exhaust air duct	74	74	69	65	61	56	48	36	67
kitchen bypass duct	64	65	57	52	46	38	33	19	54
surroundings	49	50	42	35	35	17	0	15	40
surroundings at -4dB sound attenuation								L_pa. dB(A)	36

Operating area

Supply air:

At the selected working point the supply air flow is   50 l/s
and the duct system's pressure loss is   80 Pa
The chosen ventilation unit's maximum air flow is then   75 l/s
and the duct system's pressure loss is   180 Pa
The degree of boost is   51 %

Extract air

At the selected working point the extract air flow is   50 l/s
and the duct system's pressure loss is   80 Pa
The chosen ventilation unit's maximum air flow is then   76 l/s
and the duct system's pressure loss is   183 Pa
The degree of boost is   52 %

MagiCAD

3D models and CAD dimension sketches for all Swegon CASA products are available from MagiCloud. You can download DXF files directly from MagiCloud or use a MagiCAD plugin to transfer dimension sketches to the Revit and AutoCAD software packages.

www.magicloud.com

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Air flows

Air flows EN 13141-4

W3 xs

——————— Supply airflow

- - - - - Extract airflow

Swegon

Pa

Pressure differential Pa

SFP 1,8

SFP 1,5

SFP 1

90 %
100 %
80 %
70 %
60 %
50 %
40 %

| l/s | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| m³/h | 0 | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 | 324 | 360 |

Air flow
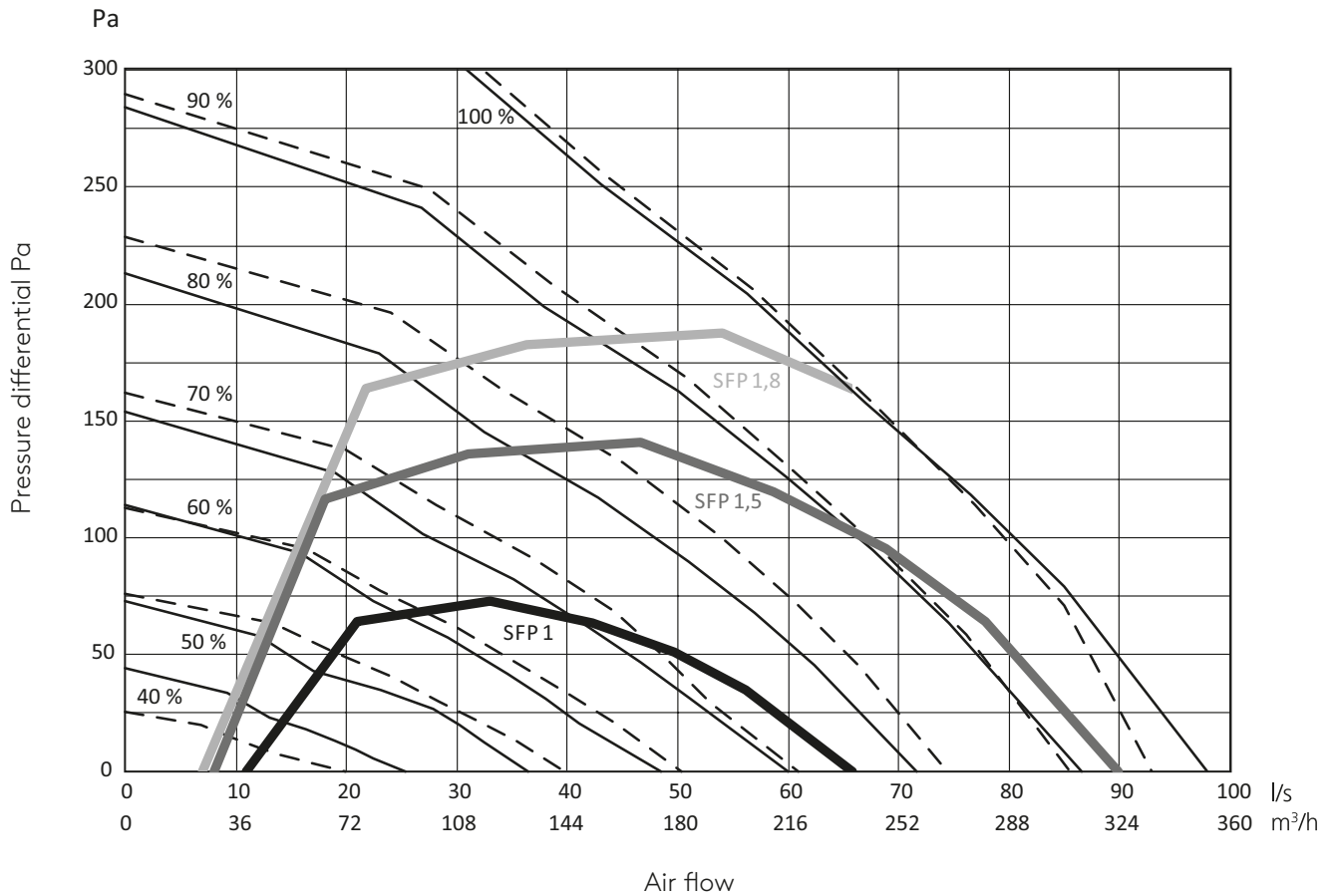
Acoustic data

See acoustic data on ProCASA.

procasa.swegon.com

Swegon reserves the right to alter specifications. 2024-01-31 Swegon

Dimensions and weight

Dimensions
W3 xs

Weight of the unit: **45 kg**

Condensate connection

W3 **L**   W3 **R**

72   72

160   160

467   446

597   599   9

0   105   298   491   597

0

130

432

599

∅ 125

| 4 | 5 | 1 | | 1 | 5 | 4 |
| 3 | | 2 | | 2 | | 3 |

L   **R**

1. Supply air
2. Extract air
3. Outdoor air
4. Exhaust air
5. Extract air from the cooker hood
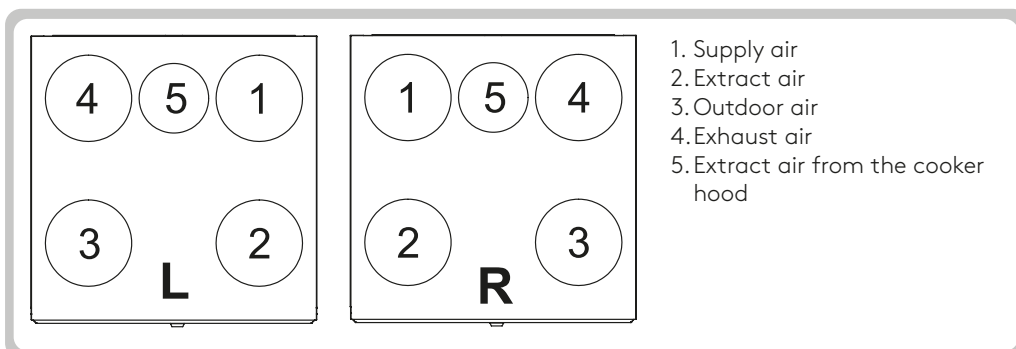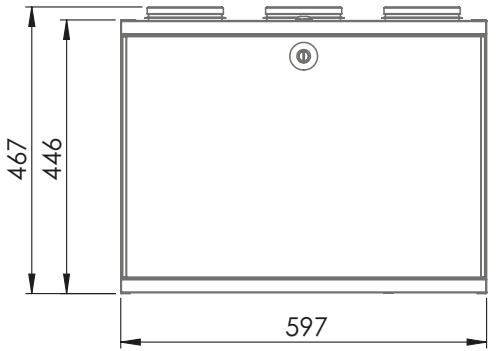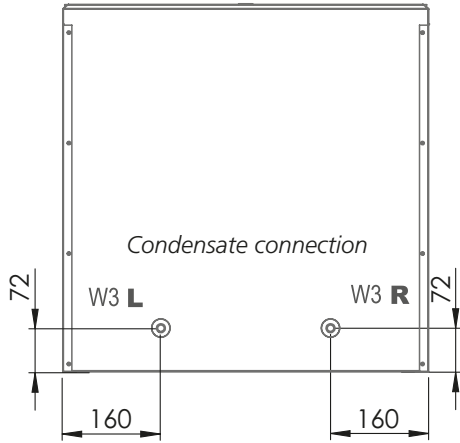
Functional diagram

Functional diagram
W3 xs

- CONFIGURATION AT SITE
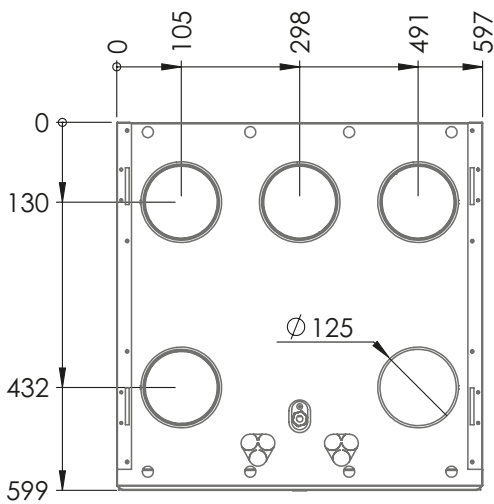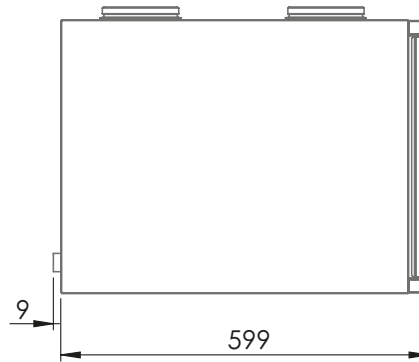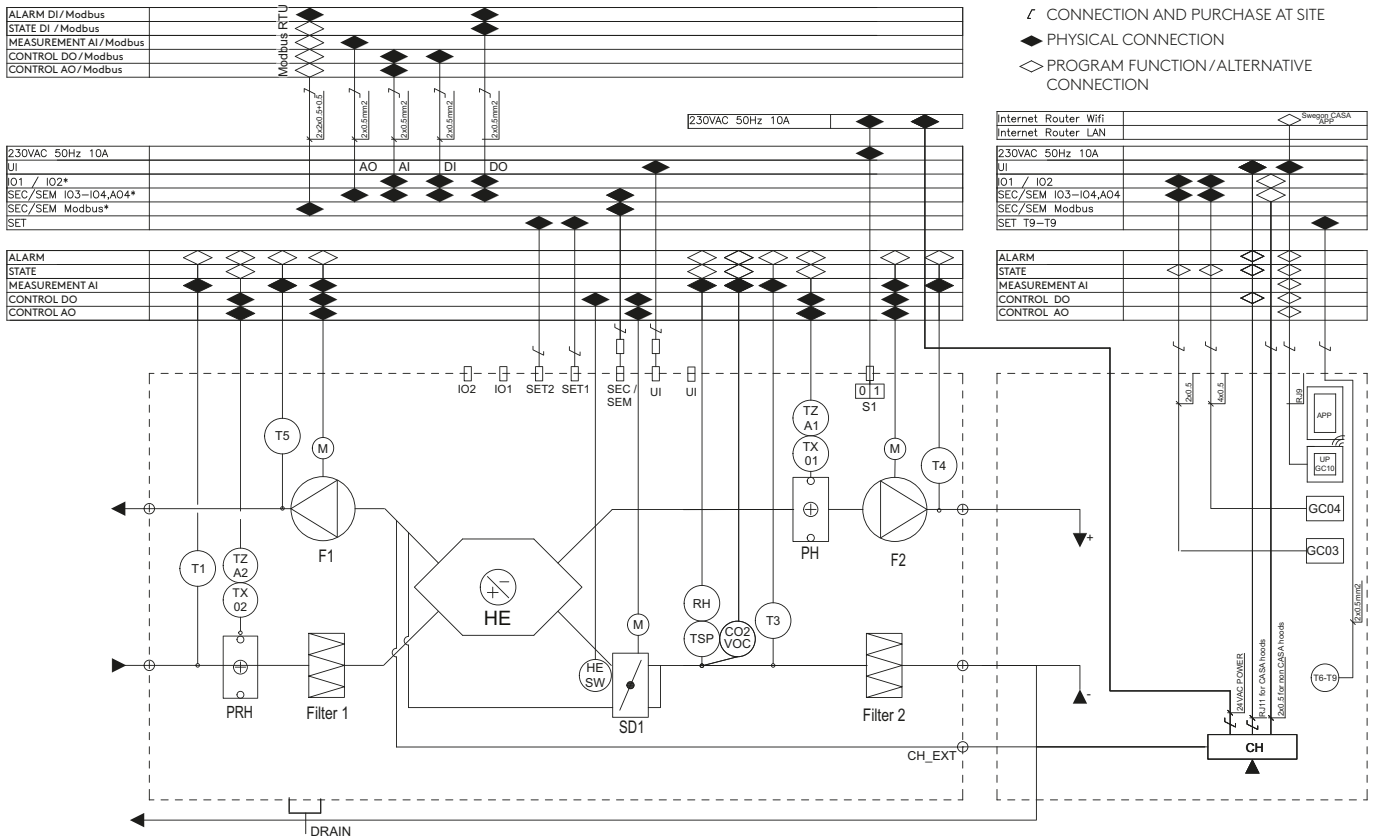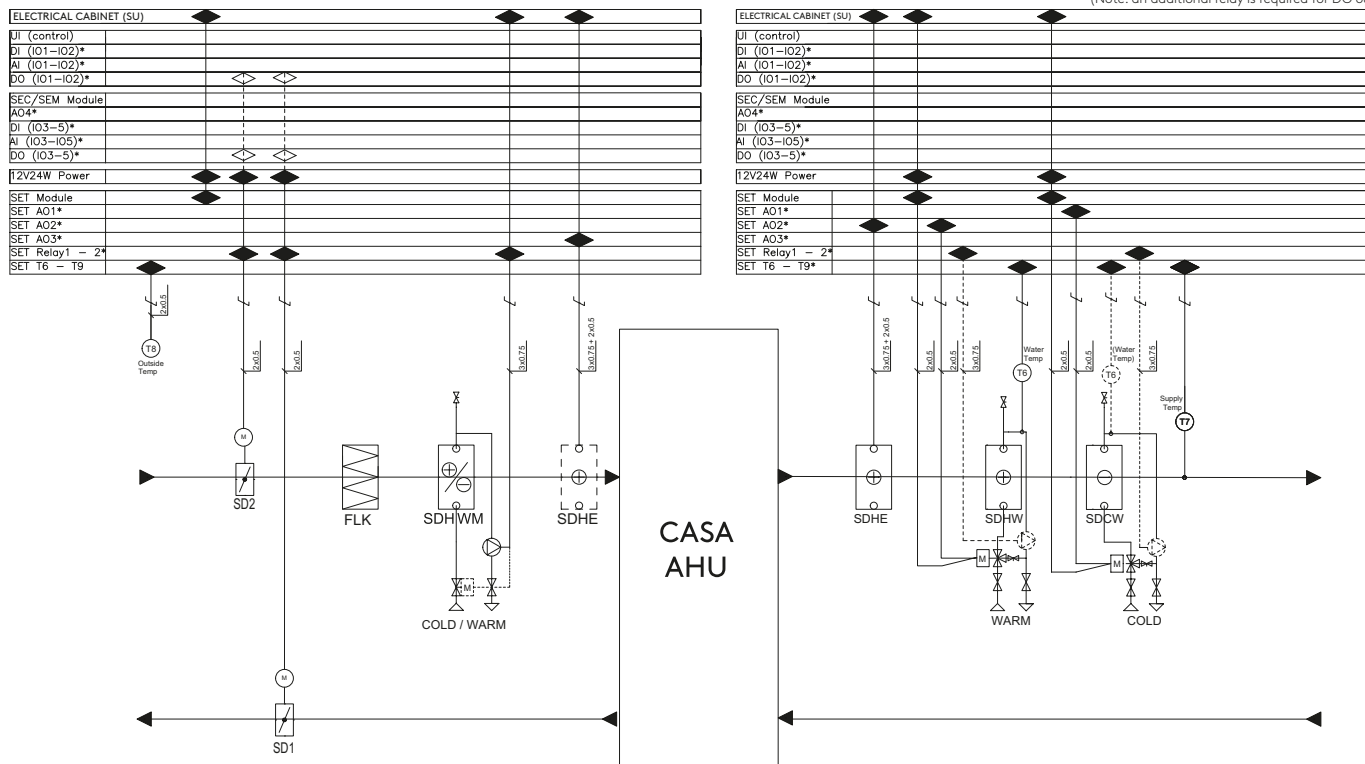- ⌐ CONNECTION AND PURCHASE AT SITE
- ◆ PHYSICAL CONNECTION
- ◇ PROGRAM FUNCTION / ALTERNATIVE CONNECTION

Device	Description	Modbus register
T1	Temperature sensor, outdoor air	3x6201 (0,1°C)
T3	Temperature sensor, extract air	3x6204 (0,1°C)
T4	Temperature sensor, supply air	3x6203 (0,1°C)
T5	Temperature sensor, exhaust air	3x6205 (0,1°C)
TZ01, TZ02	Manual overheat protection 70°C	Alarm 3x6117
TZA1, TZA2	Automatic overheat protection 55°C	Alarm 3x6117
Filter 1	Fresh air filters ISO ePM1 50% (F7)	Service reminder info 3x6129
Filter 2	Extract air filter ISO coarse (G3)	Service reminder info 3x6129
F1	Extract fan including internal overheat protection.	Control 3x6304(%), RPM 3x6306
F2	Supply fan including internal overheat protection.	Control 3x6303(%), RPM 3x6305
PRH	Pre heater, controlled steplessly according to demand	Control 3x6344 (%)
PH	Post heater, controlled steplessly according to demand. Ignored if the preheater is on.	Control 3x6317 (%)
HE	Heat exchanger	
SD1	Heat exchanger bypass damper and damper motor. Note, the wiring according to the handiness of the unit.	Control 3x6348 (%)
S1	Use Switch. Note! power off the unit by removing the socket from the Mains when Service	
RH	Humidity sensor for RH automation	RH 3x6214
TSP	Extract air temperature sensor for humidity measurement	
CH_EXT	Extra duct connection for the cooker hood. Duct bypasses the heat exchanger. Note! Do not connect the general ventilation of the kitchen here. Connect the hood status information to the ventilation unit. (Duct connection is plugged at the factory)	
DRAIN	Condensate discharge drain. Connect the water trap and drain hose to the condensate connection. Check the operation of the water trap.	

Functional diagram
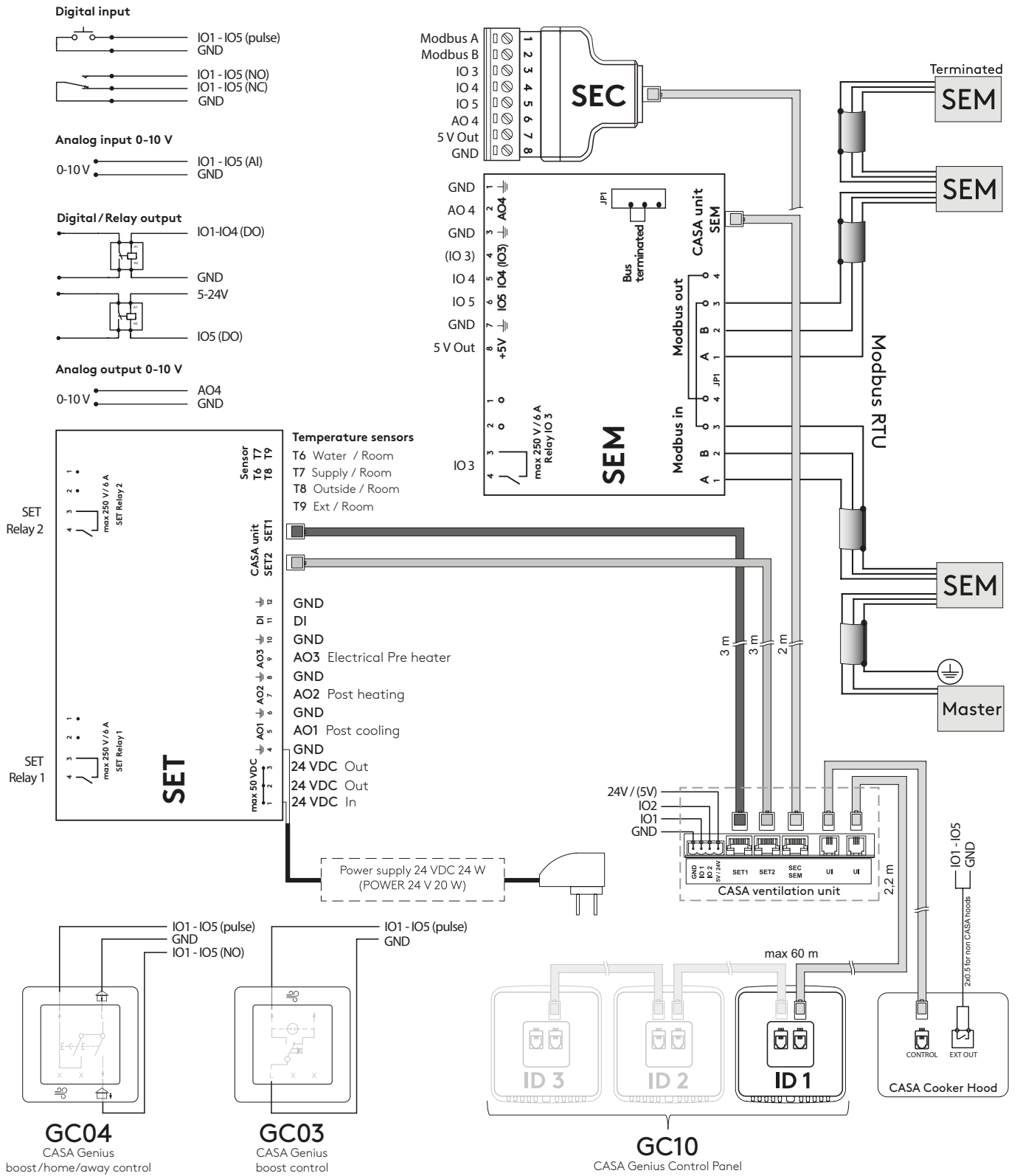# Duct actuators

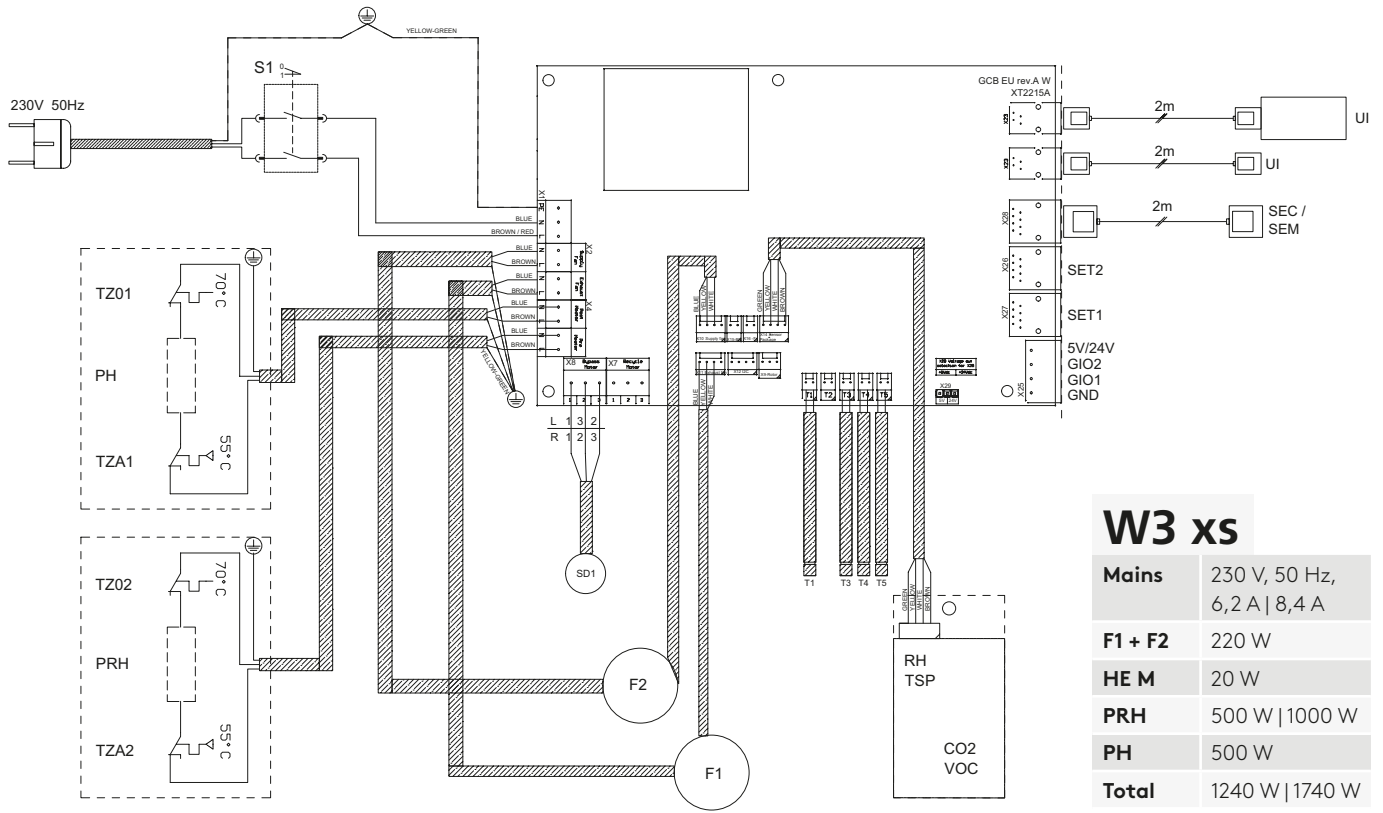| Device	Description
T6-T9	Temperature sensor. Connection to the SET module. The sensor must be defined on the control panel.
SD1, SD2	Duct Plate for Outdoor/Exhaust duct.
FLK	Duct filter in combination with an electric pre heater (SDHE)
SDHWM	Ground Liquid preheating/cooling coil for outdoor air duct. (Inc SET, heating/cooling coil, sensor)
SDHE	Electrical duct heater for Supply/Outdoor air duct (Inc. SET, duct heater and sensors) Note! A duct filter (FLK) is required for the preheater.
SDHW	Heating coil for supply air duct (Inc. SET, three-way valve + actuator, heating coil, sensors).
SDCW	Cooling coil for supply air duct (Inc. SET, three-way valve + actuator, cooling coil, sensors).
CO2	CO2 sensor for CO2 automation
VOC	VOC sensor for VOC automation
SEM	Modbus module (Inc. 2m RJ-45 cable)
SEC	IO extension module (Inc. 2m RJ-45 cable)
SET	Connection module for duct batteries and temperature sensors. (Inc. 2 x 3m RJ-45 cable)
APP	Swegon CASA mobile application for ventilation control and monitoring. Requires a Genius control panel (GC10) to operate.
UP GC10	Genius control panel that can be connected to Swegon CASA application via WiFi.
GC04	Control switch to select boost, home and away mode.
GC03	Control switch to select boost mode.
CH	Cooker hood. The CASA hood is connected to the ventilation unit with a modular cable. With other hoods, you can control the cooking function with a switch input that is determined for the function.

External connections

External connections
CASA Genius

Digital input

IO1 - IO5 (pulse)
GND

IO1 - IO5 (NO)
IO1 - IO5 (NC)
GND

Analog input 0-10 V

0-10 V
IO1 - IO5 (AI)
GND

Digital / Relay output

IO1-IO4 (DO)

GND
5-24V

IO5 (DO)

Analog output 0-10 V

0-10 V
AO4
GND

Temperature sensors

Sensor T6 T7 T8 T9

T6 Water / Room
T7 Supply / Room
T8 Outside / Room
T9 Ext / Room

SET Relay 2
max 250 V / 6 A
SET Relay 2

SET Relay 1
max 250 V / 6 A
SET Relay 1

SET

CASA unit SET2 SET1

GND
DI
GND
AO3 Electrical Pre heater
GND
AO2 Post heating
GND
AO1 Post cooling
GND
24 VDC Out
24 VDC Out
24 VDC In

max 50 VDC

Power supply 24 VDC 24 W
(POWER 24 V 20 W)

Modbus A
Modbus B
IO 3
IO 4
IO 5
AO 4
5 V Out
GND

SEC

1 2 3 4 5 6 7 8

Terminated

SEM

SEM

GND
AO 4
GND
(IO 3)
IO 4
IO 5
GND
5 V Out

+5V IO5 IO4 (IO3) AO4

JP1

Bus terminated

CASA unit SEM

Modbus out
4
3
B 2
A 1 JP1

Modbus in
4
3
B 2
A 1

SEM

max 250 V / 6 A
Relay IO 3

IO 3

Modbus RTU

SEM

Master

3 m 3 m 2 m

24V / (5V)
IO2
IO1
GND

GND IO1 IO2 5V/24V   SET1 SET2   SEC SEM   UI   UI

CASA ventilation unit

2.2 m

IO1 - IO5
GND

2x0.5 for non CASA hoods

IO1 - IO5 (pulse)
GND
IO1 - IO5 (NO)

IO1 - IO5 (pulse)
GND

max 60 m

ID 3   ID 2   ID 1

CONTROL   EXT OUT

CASA Cooker Hood

GC04
CASA Genius
boost/home/away control

GC03
CASA Genius
boost control

GC10
CASA Genius Control Panel

SEC IO extension cable with Modbus RTU
SEM IO extension module with relay and Modbus RTU (input and output connections)
SET IO extension module for control of external accessories

Swegon

Internal connections
W3 xs

W3 xs

Mains	230 V, 50 Hz, 6,2 A | 8,4 A
F1 + F2	220 W
HE M	20 W
PRH	500 W | 1000 W
PH	500 W
Total	1240 W | 1740 W

Device	Description
T1	Temperature sensor, outdoor air
T3	Temperature sensor, extract air
T4	Temperature sensor, supply air
T5	Temperature sensor, exhaust air
PRH	Pre heater, controlled steplessly according to demand
PH	Post heater, controlled steplessly according to demand. Ignored if the preheater is on.
TZ01, TZ02	Manual overheat protection 70°C
TZA1, TZA2	Automatic overheat protection 55°C
F1	Extract fan including internal overheat protection.
F2	Supply fan including internal overheat protection.
SD1	Damper motor. Note, the wiring according to the handiness of the unit.
S1	Use Switch. Note! power off the unit by removing the socket from the Mains when Service
RH	Humidity sensor for RH automation
TSP	Extract air temperature sensor for humidity measurement
CO2	CO2 sensor for CO2 automation (accessory)
VOC	VOC sensor for VOC automation (accessory)
UI	Connectors for connecting the control panel and/or CASA cooker hood. One connection point is wired outside the unit.
SEC/SEM	Connector for connecting the SEC or SEM module. The connection point is wired outside the unit.
SET 1&2	Connectors for connecting the SET module
5V/24V	24V voltage output, which can be changed to 5V output with a jumper on the circuit board.
IO 1&2	Two general-purpose IO connectors. Connectors must be configured for the desired functions.
GND	Ground for IO connections.

Installation options

Ventilation unit installation site

The temperature in the space where the unit will be installed must be more than +10 °C. Due to the risk of disruptive noise, the ventilation unit should not be installed on the wall towards the living room or bedroom.

Wall mounting

A wall mountin bracket is an accessory.

If it is a question of a light partition wall, the wall must be reinforced with horizontal studs (A) that support the weight of the ventilation unit. In addition, Swegon also recommends that the wall be insulated with mineral wool or similar insulation (B) for preventing sound from propagating to other rooms.

Screw the wall mount firmly in horizontal position onto the wall where a wall stud will support the weight of the unit. Lift up the ventilation unit onto the wall mounting bracket so that the ears on the bracket engage in the corresponding notches at the top on the backside of the unit. Set the final position of the ventilation unit with the help of the adjustable anti-vibration mountings so that the ventilation unit tilts slightly backward.
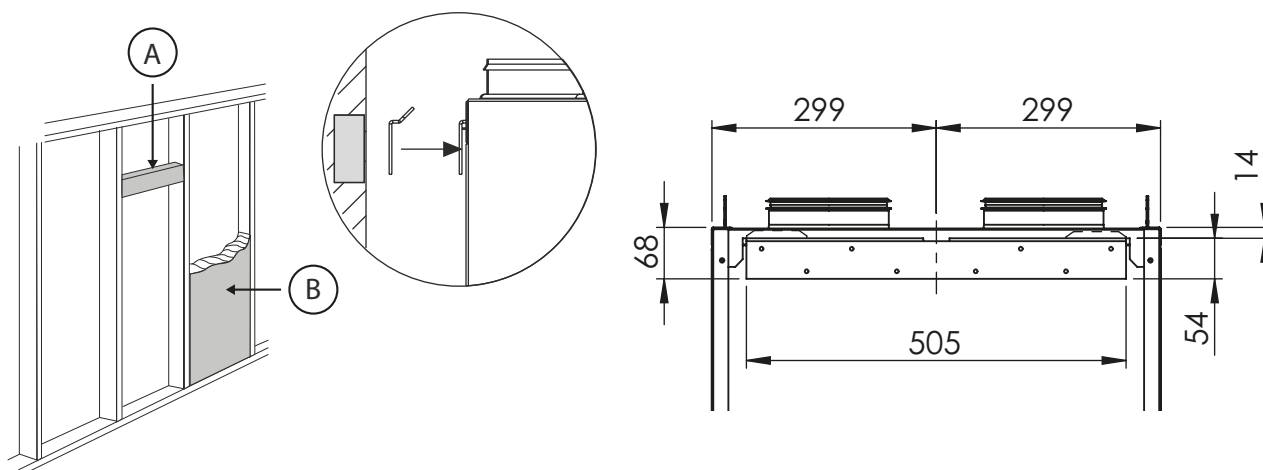
Ceiling mounting

The ventilation unit can also be mounted in a ceiling mounting frame (available as an accessory) on the ceiling.

The ceiling mounting frame must not be used as part of a support structure for the ducts, the duct support must be sufficient even without the support effect provided by the ceiling mounting frame.

Swegon reserves the right to alter specifications.   2024-01-31   **Swegon**

Product codes

W3 xs

Product	Part no.	GTIN
W3xs Genius R 1240W A-bp RH MOD	W3SVR05G1YHA	6430080090365
CASA W3xs Genius L 1240W RH+CO2	W3SVL05G10CA	6430080090372
CASA W3xs Genius L 1240W Abp RH	W3SVL05G10HA	6430080090389
CASA W3xs Genius L 1240W RH+VOC	W3SVL05G10VA	6430080090396
CASA W3xs Genius L 740W Abp RH	W3SVL05GL0HA	6430080090419
W3xs Genius L 1240W A-bp RH MOD	W3SVL05G1YHA	6430080090433
CASA W3xs Genius R 1240W RH+CO2	W3SVR05G10CA	6430080090440
CASA W3xs Genius R 1240W Abp RH	W3SVR05G10HA	6430080090457
CASA W3xs Genius R 1240W RH+VOC	W3SVR05G10VA	6430080090464
CASA W3xs Genius R 740W Abp RH	W3SVR05GL0HA	6430080090488

Accessories

Product	Part no.	GTIN
Wall mounting bracket	WRWMB	6415879067438
Ceiling mounting frame	W03CMB	6415879068275
Cover plate for ceiling mounting frame, for flush mounting	W034CMP	6415879068299
Frame with sound trap	W034CNR	6415879069104
Mounting frame with vapour barrier	PW080YP	6415879066097
Water trap	UVLL	6415879069302
Condensate discharge tube	CDH3	6415879066776

CASA - Accessories

Control accessories	Part no.	GTIN
GC10 CASA Genius control panel and WiFi	GC10	6430080090846
GC10 control panel + 10 m long cable	GC14	6430080090853
GC10 control panel + 10 m long cable + frame	GC15	6430080090860
GC10 control panel + frame	GC16	6430080090877
Frame for control panel GC10	102SAK	6415879066752
CASA Genius boost/home/away control button	GC04	6430080090013

Building automation	Part no.	GTIN
Modbus connection module	SEM	6415879067346
Connection cable (configurable I/O) for Genius ventilation units	SEC	6415879067353
Room temperature sensor, total package with connection unit for ventilation units. The sensor is installed on the wall or in a recessed junction box (60 mm between holes).	WSTC	6415879069395

Automatic functions	Part no.	GTIN
RH + CO2 automation	SRHCO2	6415879066936
RH + VOC automation	SRHVOC	6415879066943

Waterborne air coolers	Part no.	GTIN
Cooling coil package Ø 160	SDCW160	6415879068053

Waterborne air heaters	Part no.	GTIN
Heating coil package Ø 125	SDHW125	6415879068039

Brine air heater/cooler for ground source heat pump	Part no.	GTIN
Heating/cooling coil Ø250, G4	SDHW250F	6415879068084

Electric air heater	Part no.	GTIN
Electric heater Ø 125	SDHE125-1T	6415879067230
Prefilter box Ø 125 mm, G4	FLK12	6415879067452

Duct mounted shut-off dampers	Part no.	GTIN
Damper Ø 125 mm	SDD125	6415879069890

Other accessories	Part no.	GTIN
Connection module for control of the duct mounted air heater/cooler / control of shut-off dampers	SET	6415879067339
SET / power source for actuators	POWER24V20W	6415879068404
PTH Regulation for constant duct pressure	PTH	6415879067285

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