



## SUPPLY AIR UNIT

# SAU 125 C1 EC

- An insulated supply air unit with circular connections.
- Designed to provide a comfortable indoor climate with controlled heating and filtered, clean air.
- The unit has an external control unit for operating and to preset the required temperature as well as monitor the unit's status.
- Low sound level, high operating reliability and provides clean indoor air.
- Comes with Modbus communication via RS485 as standard.
- Comes complete with filter, fan, duct sensor and electrical heater as standard.

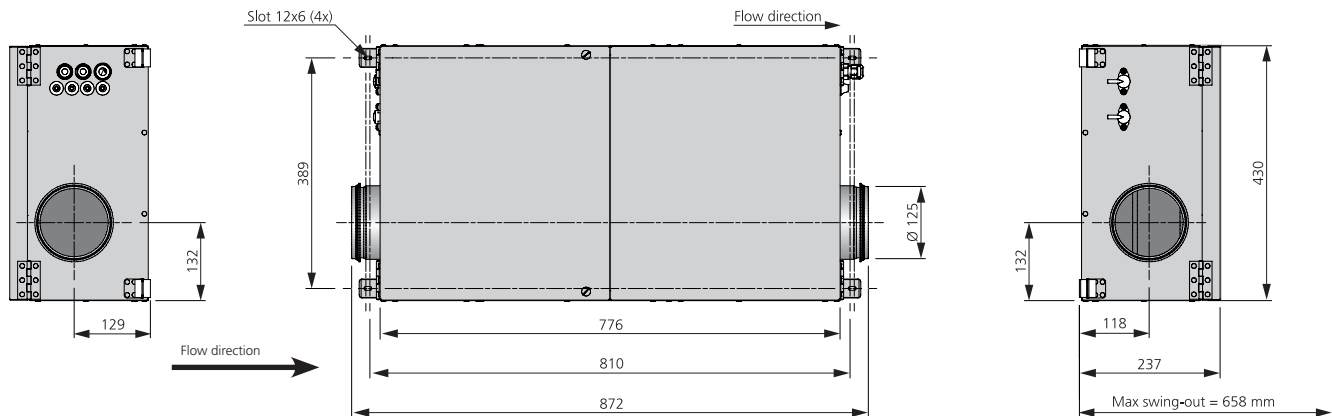
- Airflow is generated by a silent radial fan with EC motor, impeller with backward curved blades.
- The fan house and impeller is easy to clean.
- Comes with filter ISO ePM1 50% as standard. The filter is very easy to change.
- Duct connections are equipped with rubber seals.
- The unit is constructed from galvanized steel sheet and insulated with an easy to clean 30 mm fiberglass.
- For placement in warm or cold areas.

### ACCESSORIES

- Filter ISO ePM2.5 60%
- Remote control
- Antenna
- Duct sensor
- Room sensor Temp
- Carbon dioxide sensor CO<sub>2</sub>
- Humidity sensor RH
- Silencer LDC 125
- Mounting clamp MK 125
- Back draught shutter RSK 125
- Safety grille BSR/BSV 125
- Louvre shutter VK 125



### DIMENSIONS (mm)



Capacity

1 = Single phase 3 = 3-Phase

Duct connection (mm)

EC = Fans with low-energy motors

Type

Art.no.

SAU 125 C1 EC

8000063

**SAU 125 C1 EC**



# SUPPLY AIR UNIT

## SAU 125 C1 EC

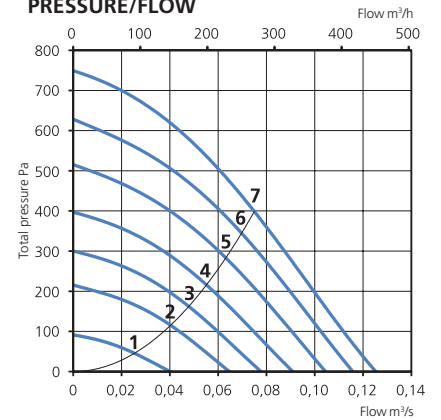
### TECHNICAL DATA

SAU 125 C1 EC		
Voltage	230	V
Voltage, range	220-240	V
Frequency	50	Hz
Phase	1	~
Total current	9.60	A
Power, fans	101	W
Power, electric heater	2000	W
Total power	2110	W
Speed	3540	rpm
Capacitor	5	µF
Max. temp of transported air	60	°C
Sound pressure level, 3 m	45	dB L <sub>pA</sub>
Weight	20.4	kg
Wiring diagram	4040206	

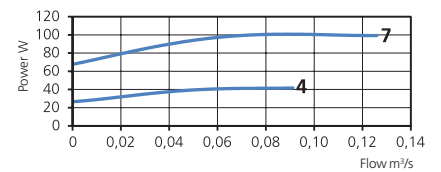
### SOUND DATA (dB)

	Total (L <sub>wa</sub> )	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
<b>10 V / 75 l/s</b>									
Surrounding	52	32	45	50	46	37	34	34	30
Outlet	73	57	61	64	67	63	67	60	52
Inlet	61	51	54	57	51	43	48	44	33
<b>9 V / 70 l/s</b>									
Surrounding	51	29	43	48	45	36	33	32	29
Outlet	72	56	60	63	67	62	66	58	50
Inlet	60	51	54	56	50	41	47	42	31
<b>8 V / 64 l/s</b>									
Surrounding	49	30	42	46	40	33	31	30	29
Outlet	69	55	59	62	61	59	64	55	46
Inlet	58	50	53	54	46	38	44	39	27
<b>7 V / 55 l/s</b>									
Surrounding	47	27	40	44	38	30	29	28	28
Outlet	66	54	58	60	57	55	61	52	42
Inlet	55	47	51	51	42	36	41	36	23
<b>6 V / 47 l/s</b>									
Surrounding	44	22	37	41	34	28	26	27	28
Outlet	63	51	54	58	53	51	57	47	36
Inlet	53	46	49	48	39	32	37	32	19
<b>5 V / 40 l/s</b>									
Surrounding	41	20	33	38	31	26	24	27	28
Outlet	59	49	51	56	49	47	52	41	29
Inlet	51	44	45	49	35	28	33	26	13
<b>3 V / 24 l/s</b>									
Surrounding	34	16	26	27	23	24	23	27	28
Outlet	48	43	43	39	37	36	39	25	13
Inlet	42	38	37	33	25	17	20	13	9

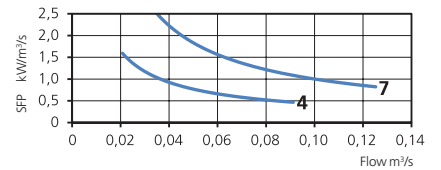
### PRESSURE/FLOW



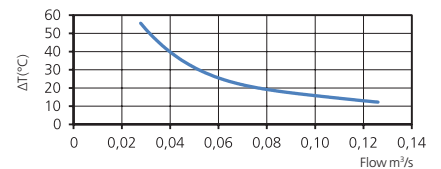
### POWER, FAN/FLOW



### SFP

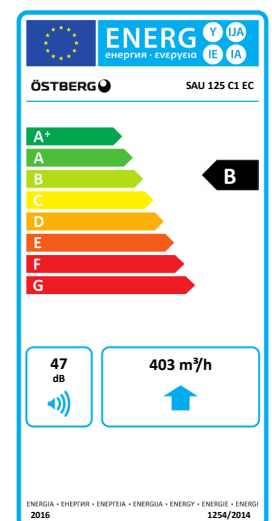


### ΔT SUPPLY AIR



### CONTROL VOLTAGE

1	2	3	4	5	6	7
3V	5V	6V	7V	8V	9V	10V



# SUPPLY AIR UNIT

## SAU 200 B3 EC

- An insulated supply air unit with circular connections.
- Designed to provide a comfortable indoor climate with controlled heating and filtered, clean air.
- The unit has an external control unit for operating and to preset the required temperature as well as monitor the unit's status.
- Low sound level, high operating reliability and provides clean indoor air.
- Comes with Modbus communication via RS485 as standard.
- Comes complete with filter, fan, duct sensor and electrical heater as standard.

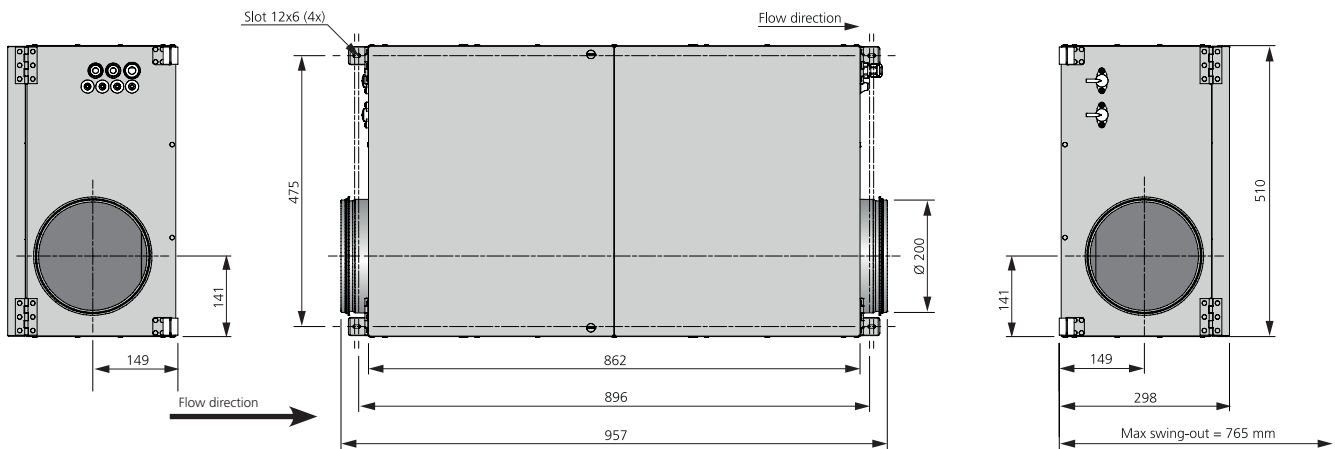
- Airflow is generated by a silent radial fan with EC motor, impeller with backward curved blades.
- The fan house and impeller is easy to clean.
- Comes with filter ISO ePM1 50% as standard. The filter is very easy to change.
- Duct connections are equipped with rubber seals.
- The unit is constructed from galvanized steel sheet and insulated with an easy to clean 30 mm fiberglass.
- For placement in warm or cold areas.

### ACCESSORIES

- Filter ISO ePM2.5 60%
- Remote control
- Antenna
- Duct sensor
- Room sensor Temp
- Carbon dioxide sensor CO<sub>2</sub>
- Humidity sensor RH
- Silencer LDC 200
- Mounting clamp MK 200
- Back draught shutter RSK 200
- Safety grille BSR/BSV 200
- Louvre shutter VK 200



### DIMENSIONS (mm)



Capacity

1 = Single phase 3 = 3-Phase

Duct connection (mm)

EC = Fans with low-energy motors

Type

Art.no.

SAU 200 B3 EC

8000065

**SAU 200 B3 EC**



# SUPPLY AIR UNIT

## SAU 200 B3 EC

### TECHNICAL DATA

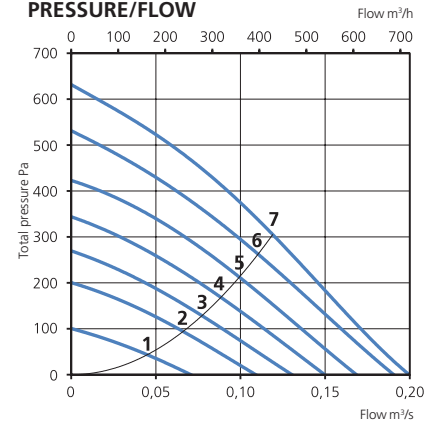
#### SAU 200 B3 EC

<b>Voltage</b>	400	V
<b>Voltage, range</b>	220-240	V
<b>Frequency</b>	50	Hz
<b>Phase</b>	3	~
<b>Total current</b>	13.5	A
<b>Power, fans</b>	0.95	W
<b>Power, electric heater</b>	5000	W
<b>Total power</b>	5130	W
<b>Speed</b>	2860	rpm
<b>Capacitor</b>	-	µF
<b>Max. temp of transported air</b>	60	°C
<b>Sound pressure level, 3 m</b>	46	dB L <sub>pA</sub>
<b>Weight</b>	26.0	kg
<b>Wiring diagram</b>	4040207	

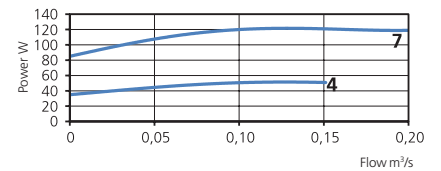
### SOUND DATA (dB)

	Total (L <sub>wa</sub> )	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
<b>10 V / 119 l/s</b>									
Surrounding	53	33	42	52	45	35	33	30	28
Outlet	73	59	59	69	66	62	60	59	53
Inlet	63	52	55	61	52	44	42	42	32
<b>9 V / 109 l/s</b>									
Surrounding	52	30	40	51	43	34	31	29	27
Outlet	70	56	58	67	65	60	58	57	50
Inlet	61	50	53	60	50	42	41	40	30
<b>8 V / 97 l/s</b>									
Surrounding	52	27	39	51	41	31	28	27	27
Outlet	70	53	57	68	62	58	56	54	46
Inlet	60	47	52	59	47	40	38	37	26
<b>7 V / 87 l/s</b>									
Surrounding	49	26	38	48	39	29	26	26	27
Outlet	69	51	55	68	60	55	53	51	42
Inlet	61	45	48	60	44	36	35	33	20
<b>6 V / 76 l/s</b>									
Surrounding	46	25	35	45	35	27	24	25	27
Outlet	66	49	54	65	56	51	50	46	36
Inlet	57	43	46	56	41	34	32	30	16
<b>5 V / 42 l/s</b>									
Surrounding	41	23	31	39	31	26	22	25	27
Outlet	61	48	51	60	51	47	46	40	28
Inlet	55	41	44	54	38	30	28	24	11
<b>3 V / 24 l/s</b>									
Surrounding	34	19	27	27	23	24	21	25	27
Outlet	49	43	42	43	41	37	32	22	11
Inlet	42	37	35	37	28	20	15	10	8

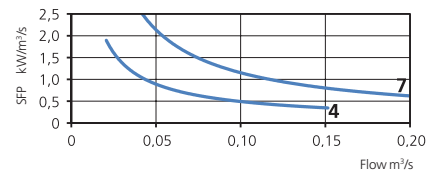
### PRESSURE/FLOW



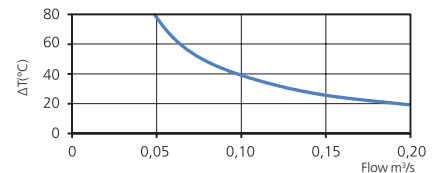
### POWER, FAN/FLOW



### SFP



### ΔT SUPPLY AIR



### CONTROL VOLTAGE

1	2	3	4	5	6	7
3V	5V	6V	7V	8V	9V	10V

# SUPPLY AIR UNIT

## SAU 250 B3 EC

- An insulated supply air unit with circular connections.
- Designed to provide a comfortable indoor climate with controlled heating and filtered, clean air.
- The unit has an external control unit for operating and to preset the required temperature as well as monitor the unit's status.
- Low sound level, high operating reliability and provides clean indoor air.
- Comes with Modbus communication via RS485 as standard.
- Comes complete with filter, fan, duct sensor and electrical heater as standard.

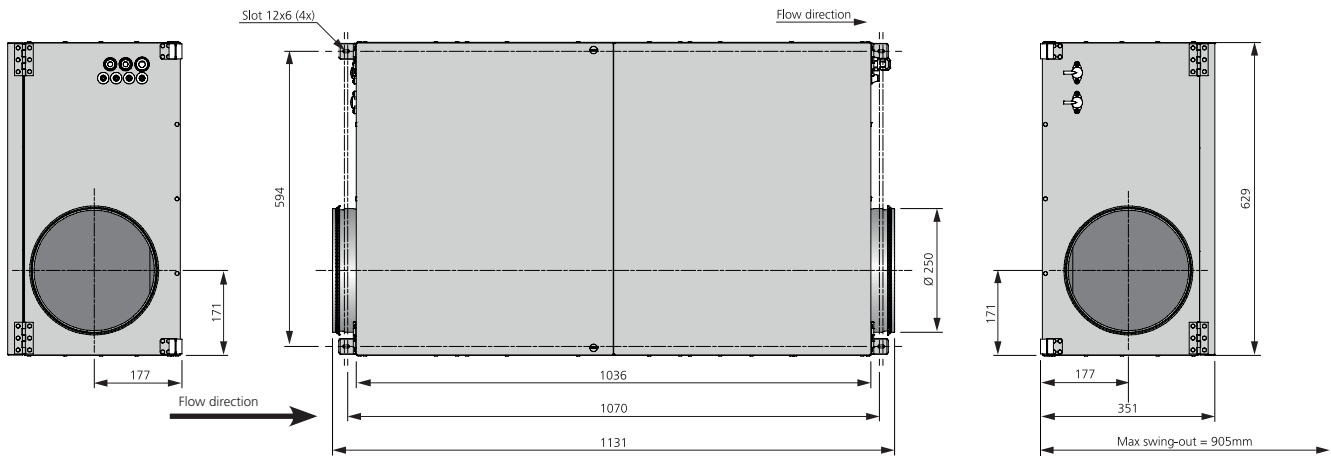
- Airflow is generated by a silent radial fan with EC motor, impeller with backward curved blades.
- The fan house and impeller is easy to clean.
- Comes with filter ISO ePM1 50% as standard. The filter is very easy to change.
- Duct connections are equipped with rubber seals.
- The unit is constructed from galvanized steel sheet and insulated with an easy to clean 30 mm fiberglass.
- For placement in warm or cold areas.

### ACCESSORIES

- Filter ISO ePM2.5 60%
- Remote control
- Antenna
- Duct sensor
- Room sensor Temp
- Carbon dioxide sensor CO<sub>2</sub>
- Humidity sensor RH
- Silencer LDC 250
- Mounting clamp MK 250
- Back draught shutter RSK 250
- Safety grille BSR/BSV 250
- Louvre shutter VK 250



### DIMENSIONS (mm)



Capacity

1 = Single phase 3 = 3-Phase

Duct connection (mm)

EC = Fans with low-energy motors

Type

Art.no.

SAU 250 B3 EC

8000067

**SAU 250 B3 EC**



# SUPPLY AIR UNIT

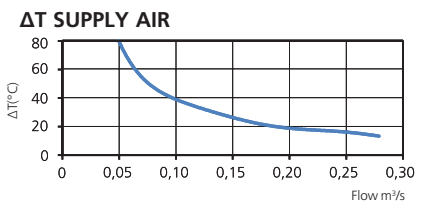
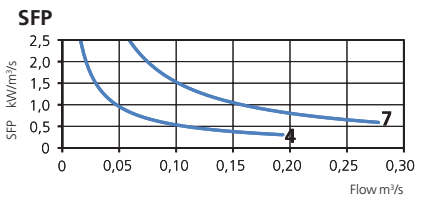
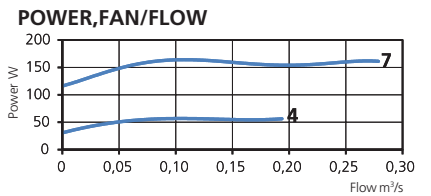
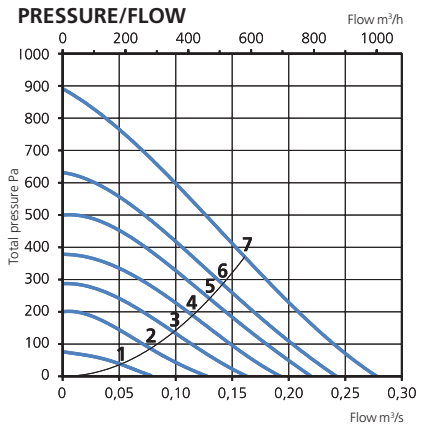
## SAU 250 B3 EC

### TECHNICAL DATA

SAU 250 B3 EC		
Voltage	400	V
Voltage, range	220-240	V
Frequency	50	Hz
Phase	3	~
Total current	13.9	A
Power, fans	166	W
Power, electric heater	5000	W
Total power	5180	W
Speed	2970	rpm
Capacitor	-	µF
Max. temp of transported air	45	°C
Sound pressure level, 3 m	41	dB L <sub>pA</sub>
Weight	36.1	kg
Wiring diagram	4040207	

### SOUND DATA (dB)

	Total (L <sub>wa</sub> )	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
<b>10 V / 161 l/s</b>									
Surrounding	49	40	36	48	40	35	32	32	29
Outlet	70	63	56	66	61	62	58	57	50
Inlet	58	53	53	54	43	41	40	38	31
<b>8 V / 142 l/s</b>									
Surrounding	47	30	33	46	37	32	30	30	27
Outlet	67	51	52	64	60	59	54	54	46
Inlet	54	48	45	52	38	38	36	36	27
<b>7 V / 132 l/s</b>									
Surrounding	46	27	31	45	35	30	28	27	26
Outlet	65	49	50	62	58	56	52	52	42
Inlet	54	45	43	52	35	35	34	34	23
<b>6 V / 115 l/s</b>									
Surrounding	46	30	31	45	34	29	26	26	26
Outlet	64	45	48	62	55	52	50	48	36
Inlet	53	42	41	52	34	32	32	30	18
<b>5 V / 98 l/s</b>									
Surrounding	40	22	27	39	30	26	24	25	26
Outlet	58	42	45	56	49	48	46	41	29
Inlet	53	39	37	53	31	28	29	26	14
<b>4 V / 79 l/s</b>									
Surrounding	34	20	27	28	26	25	22	25	26
Outlet	51	40	45	46	43	42	40	32	20
Inlet	43	36	40	37	25	22	23	19	12
<b>2 V / 52 l/s</b>									
Surrounding	32	17	20	23	22	24	22	25	26
Outlet	42	30	37	37	33	30	24	22	14
Inlet	35	26	32	30	17	13	16	15	12



### CONTROL VOLTAGE

1	2	3	4	5	6	7
2V	4V	5V	6V	7V	8V	10V

ENERGIA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA - ENERGIJA  
2016 1254/2014

ÖSTBERG SAU 250 B3 EC

Energy class: B

Sound power level: 46 dB

Flow: 864 m³/h

# healthy indoor climate

**ÖSTBERG** 

**THE SUPPLY UNIT SAU EC** is small, compact and designed to provide a comfortable indoor climate in smaller premises such as warehouses, workshops, stairwells and workstations. SAU EC heats and filters the supply air using its smart control system. With the possibility of scheduling temperature and air flow, the ventilation is adapted to the use of the room. The units are supplied complete with filters, fan and heater.

## **NEWS SAU EC**

- EC motor
- Meets ErP Lot6 2018
- Simple installation with 2-parted door
- Integrated control with efficient energy saving functions and built-in weekly schedule.
- Can be regulated based on supply air temperature, room temperature, CO<sub>2</sub>, humidity, constant pressure with stepless increase of air flow.
- Preheat the supply air to the desired temperature (5-30 C°)
- Prepared to control external cooling
- Modbus communication via RS485
- Small, compact and easy to clean
- Filter class ISO ePM1 50%
- Automatic filter guard indicating filter change
- Possibility to control the extract air fan



**ÖSTBERG** 

## **H ÖSTBERG AB**

Box 54, SE-774 22 Avesta, Sweden  
Phone: +46 226 860 00  
E-mail: [info@ostberg.com](mailto:info@ostberg.com)

[www.ostberg.com](http://www.ostberg.com)