

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.

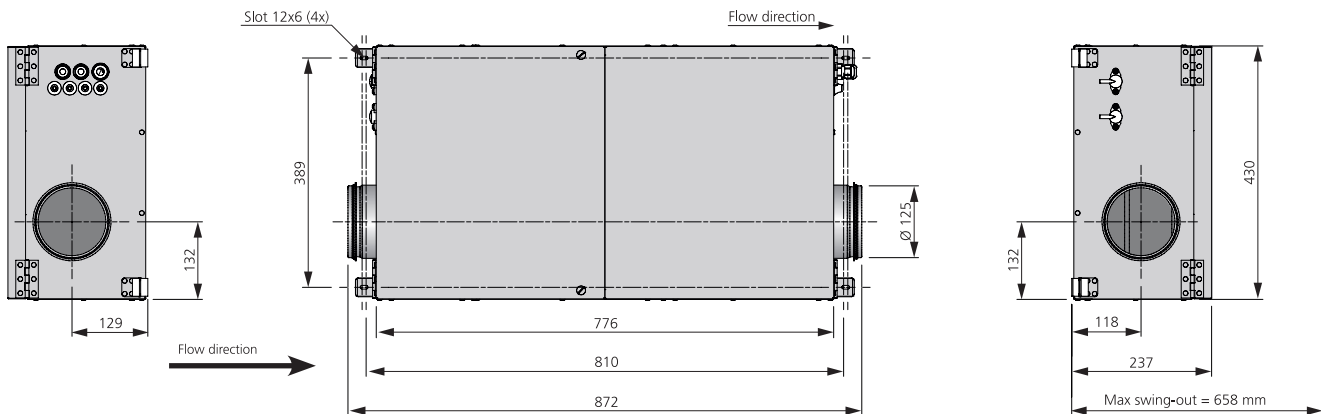
- Airflow is generated by a silent radial fan with EC motor, impeller with backward curved blades.
- The fan house and impeller is easy to clean.
- Comes with filter ISO ePM1 50% as standard. The filter is very easy to change.
- Duct connections are equipped with rubber seals.
- The unit is constructed 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 CO₂
- 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)



Type
SAU 125 C1 EC

Art.no.
8000063

Capacity

Duct connection (mm)

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1 = Single phase 3 = 3-Phase

EC = Fans with low-energy motors



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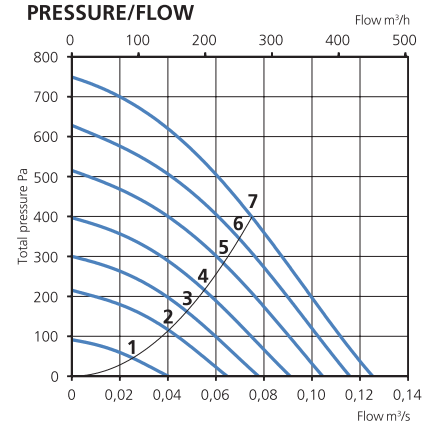
TECHNICAL DATA

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 _{PA}
Weight	20.4	kg
Wiring diagram	4040206	

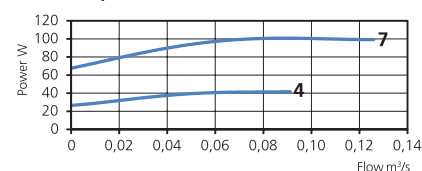
SOUND DATA (dB)

	Total (L _{WA})	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
10 V / 75 l/s									
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
9 V / 70 l/s									
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
8 V / 64 l/s									
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
7 V / 55 l/s									
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
6 V / 47 l/s									
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
5 V / 40 l/s									
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
3 V / 24 l/s									
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

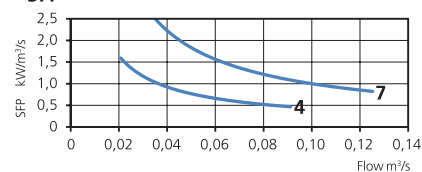
PRESSURE/FLOW



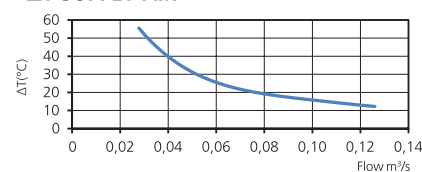
POWER, FAN/FLOW



SFP

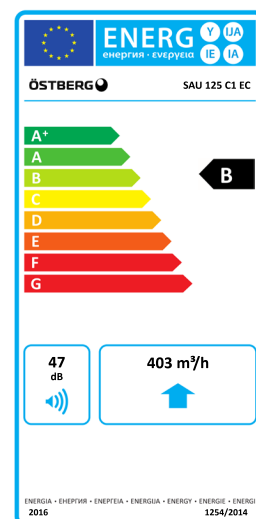


ΔT SUPPLY AIR



CONTROL VOLTAGE

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



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, CO₂, 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



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