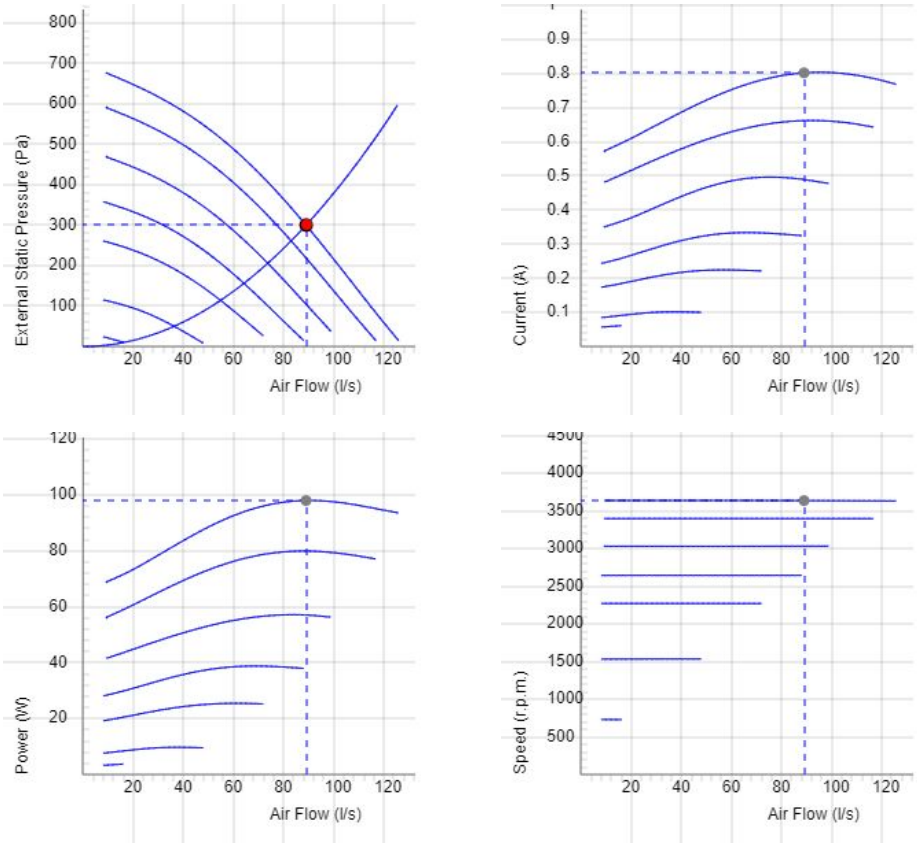
SAU 125 C1 EC

- 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 eletrical 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.

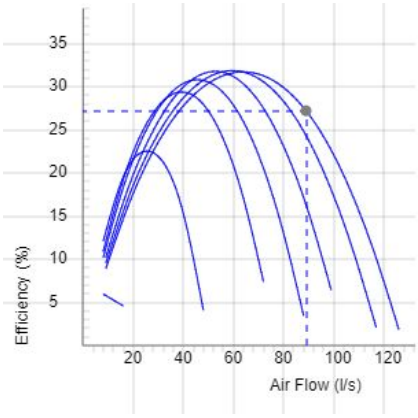
DIAGRAMS

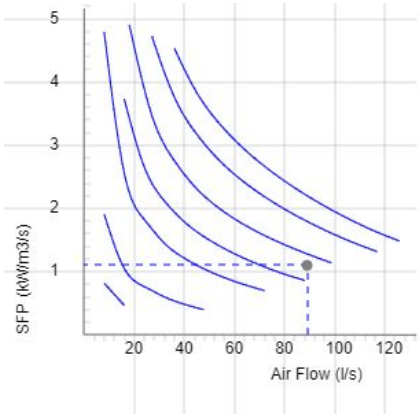


Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
89	300	98	3637	0.802	10

DIAGRAMS

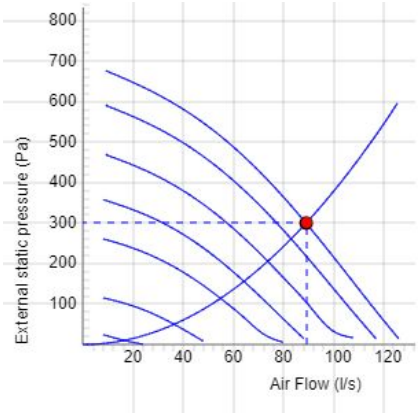




DATA

Efficiency (%) 27.2
SFP (kW/m3/s) 1.1

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	62	52	57	58	51	44	43	43	33
Outlet Lw dB(A)	72	58	63	65	65	63	66	59	53
Surrounding Lw dB(A)	53	31	45	50	48	39	34	32	29
Surrounding Lp dB (A) 20m² Sabine, hemispherical 3m	46								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m3/s)	Voltage (V)
89	300	98	3637	0.802	27.2	1.1	10

TECHNICAL DATA

	SAU 125 C1 EC-y1 8000069	
Parameter	**Value**	**Unit**
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	2110	W
Power, fans	98	W
Power, heater	2000	W
Current	9.6	A
Current, fans	0.82	A
Current, heater	8.7	A
Speed	3630	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	46	dB(A)
Weight	17.7	kg
Enclosure class	44	IP
Insulation class, motor	F	
Capacitor	-	µF
Duct connection	125	mm
Max. flow @ 0Pa	128	l/s
Max. pressure	700	Pa
Voltage range	220-240	V

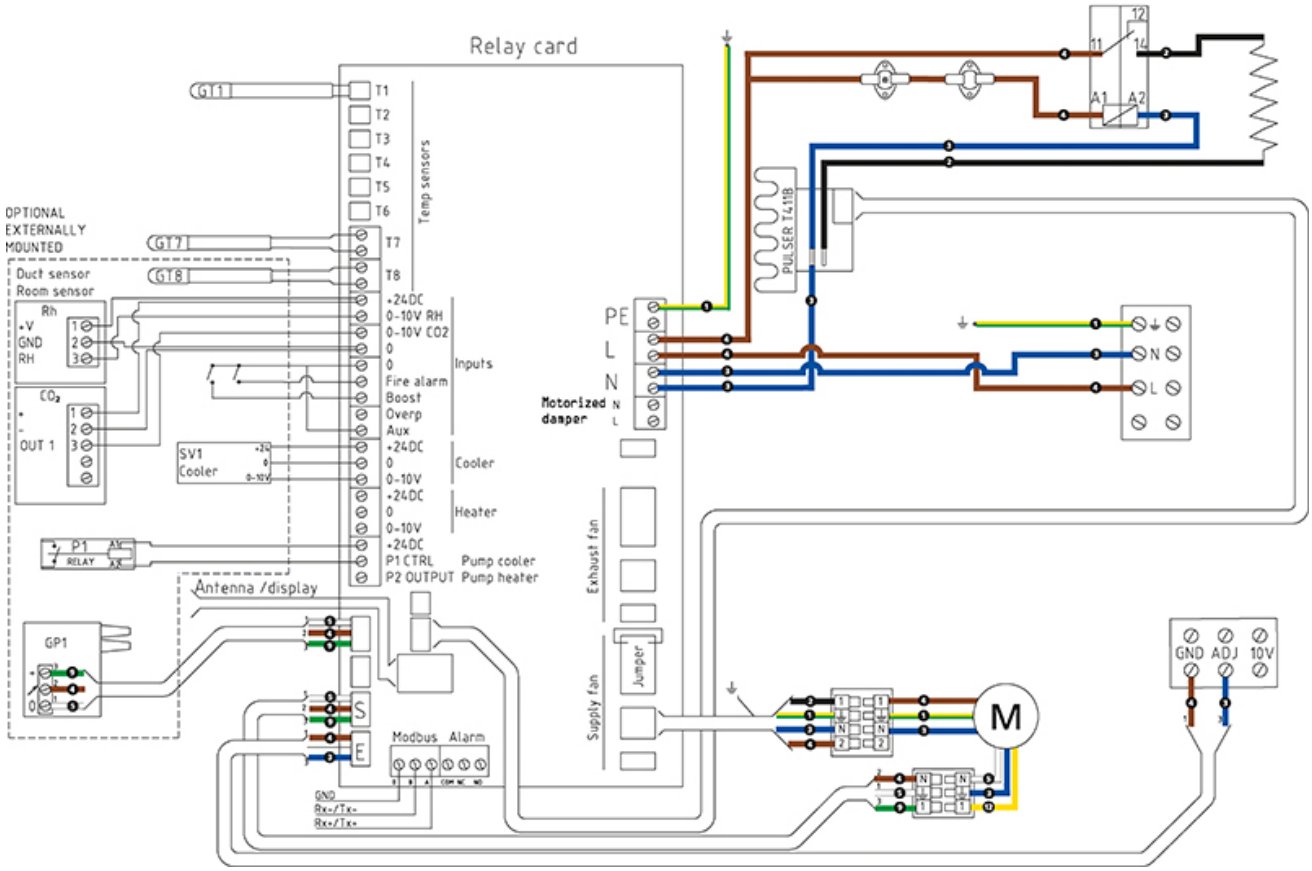
PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	SAU 125 C1 EC	-
(c) SEC average climate	-26.6	kWh/m^2
SEC average climate, class	B	-
SEC warm climate	-11.1	kWh/m^2
SEC warm climate, class	E	-
SEC cold climate	-53.6	kWh/m^2
SEC cold climate, class	A+	-
(d) Declared type	RVU / UVU	-
(e) Type of drive	Variable speed drive	-
(f) Type of heat recovery	N/A	-
(g) Thermal efficiency	N/A	%
(h) Max. flow rate (@100Pa)	413	m^3/h
(i) Power at max. flow rate	95	W
(j) Sound power level	46	dB LwA
(k) Reference flow rate	0.082	m^3/s
(l) Reference pressure difference	50	Pa
(m) SPI	0.13	W/(m^3/h)
(n) Type of control/ctrl factor	Local demand control(accessory)/0.65	-
(o) External (and internal) leakage rate	1.83 (N/A)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	N/A	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	fsp.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	69	kWh

Parameter	Value	Unit
(w) AHS average	2830	kWh
AHS warmer	1280	kWh
AHS colder	5536	kWh

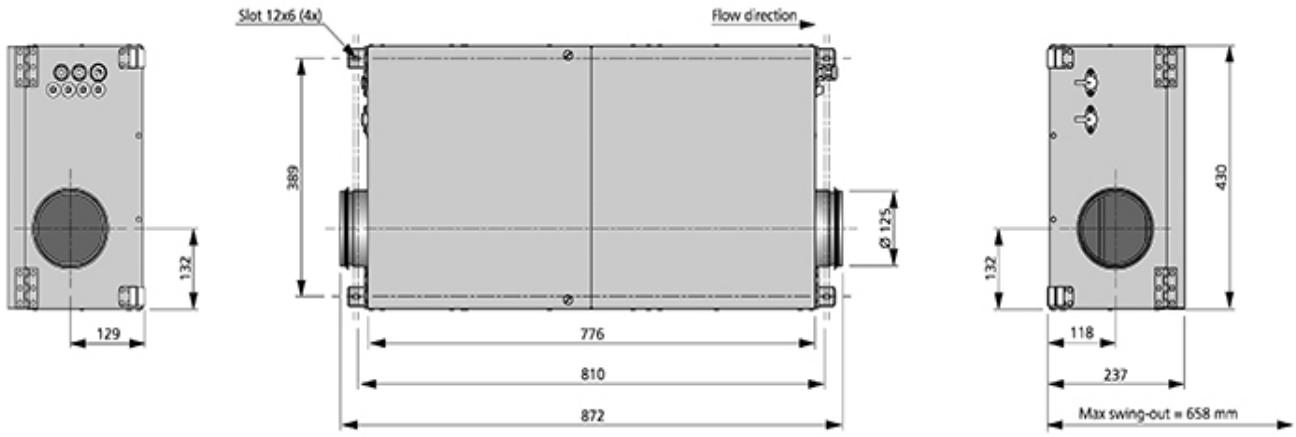
WIRING DIAGRAM

4040215



Ⓜ = Fan Motor
Ⓜ1 = Fan Motor
Ⓜ2 = Fan Motor
Ⓜ3 = Rotor Motor
❶ = Yellow/Green
❷ = Black
❸ = Blue
❹ = Brown
❺ = White
❻ = Orange
❼ = Grey
❽ = Red
❾ = Green
❿ = Violet
⓫ = Quick switch
⓬ = Yellow

DIMENSIONS


Slot 12x6 (4x)
Flow direction
389
Ø 125
132
129
776
810
872
132
430
118
237
Max swing-out = 658 mm

ACCESSORIES

Mechanical accessories

Mounting clamp MK 125

Safety grille BSV 125

Back draught shutter RSK 125

Louvre YG 125

Louvre shutter VK 125

Filter SAU 125 EC

Silencer LDC 125

Electrical accessories

Control unit

Connection cable, control unit

Constant pressure sensor Kit SAU EC

Carbon dioxide sensor CO2

Room sensor

Humidity/temperature sensor

Damper motor