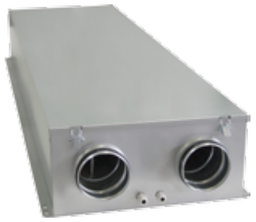
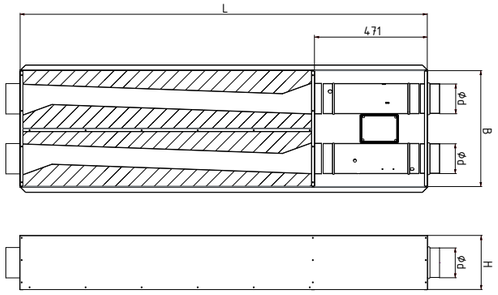
klimaoprema
klimaoprema

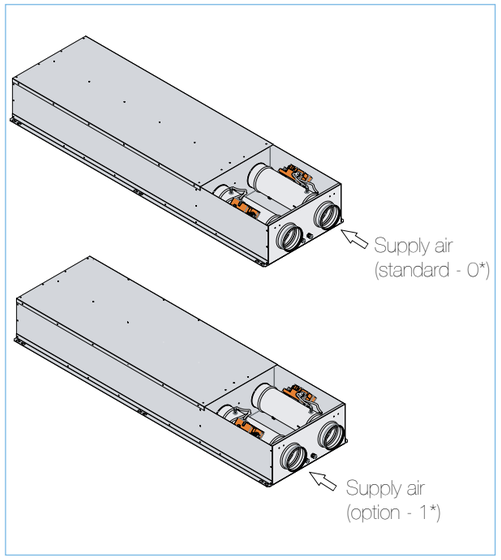
4/S4
v 3.3 (en)

COMPACT APARTMENT VAV UNIT

CAVU





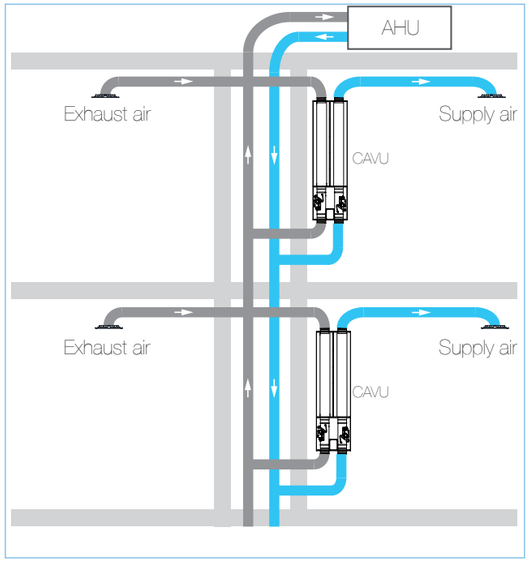


CAVU

- Main purpose of CAVU is to control air volumes, reduce airborne sound and casing brakeout according to user needs.
- It is mainly used in residential or office buildings with central air preparation.
- CAVU consists of two VAV units (supply and extract) with integrated silencers.

CAVU offers you:

- Compact (all in one) casing
- Minimal installation cost
- Adjustable air volume
- Maintenance free
- Low sound power levels
- Energy saving (demand controlled)
- Indoor air quality improvement
- Simple and easy to use
- Wide variety of control modes
- Protocols: MPBUS, LONBUS, MODBUS, BACNET, KNX



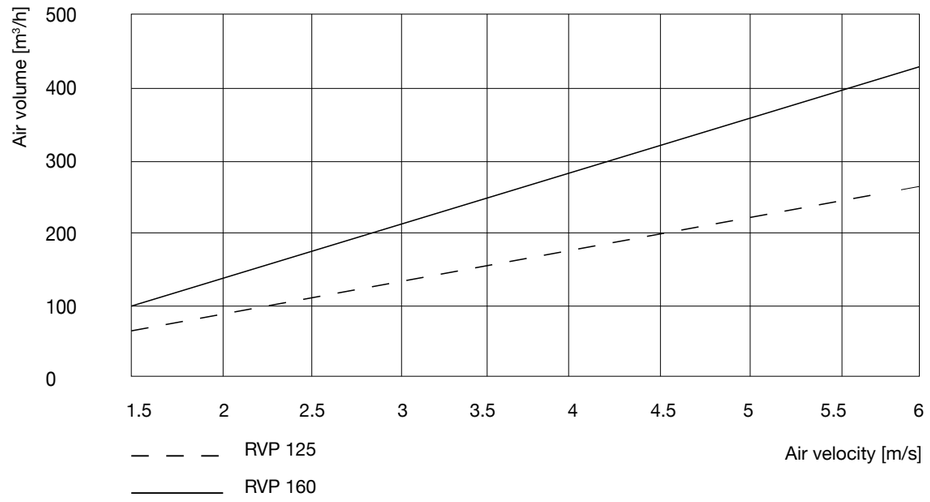
CAVU - Dimensions

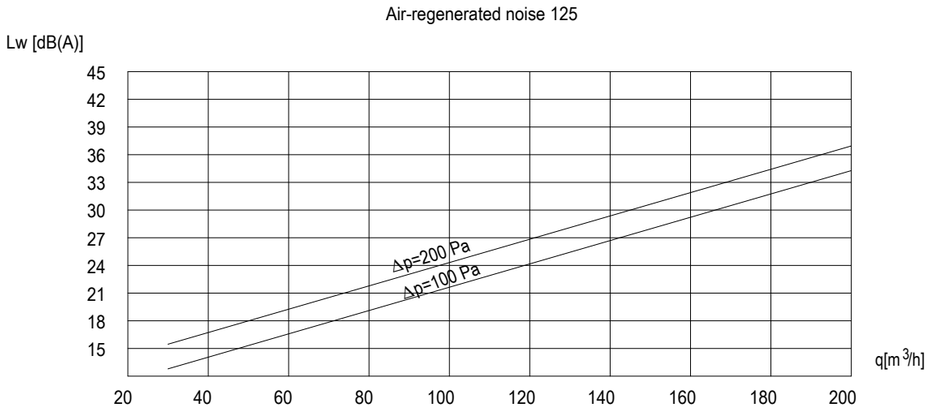
VAV ød [mm]	B [mm]	H [mm]	L [mm]
125	490	230	1700
160	535	260	1700

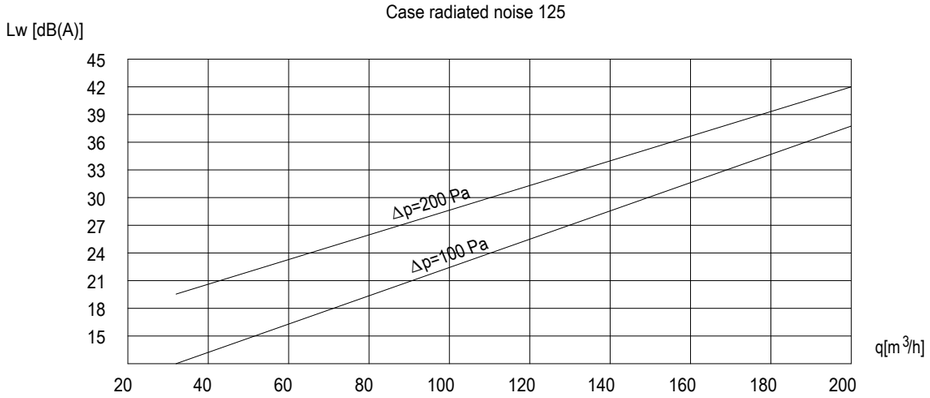
Ordering key

Damper type	**CAVU**	**- ød**	**- MP**	**-0**
Diameter				
Communication type **MP** - MP-Bus (standard) **LON** - LONWORKS **MOD** - Modbus **KNX** - KNX protocol (Siemens) **BAC** - BACNET **MF** - no bus				
Supply air side **0** - Supply air right / Extract air left **1** - Supply air left / Extract air right When viewing service access cover with supply air from below				

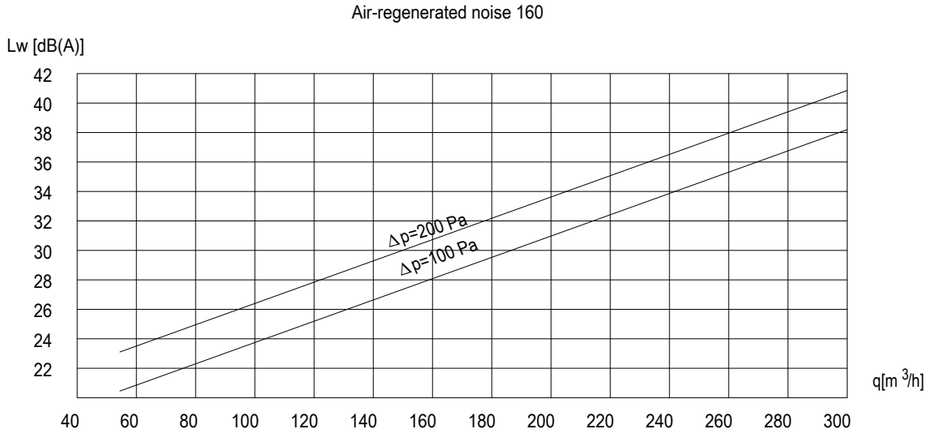
TECHNICAL DATA

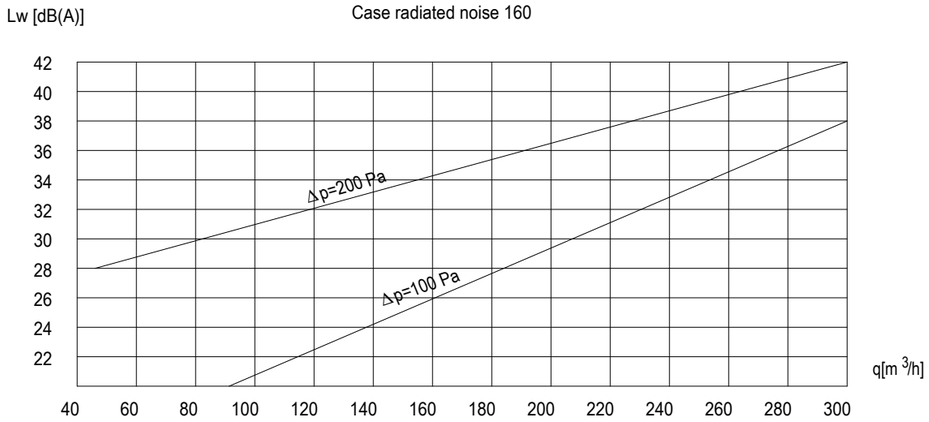






TECHNICAL DATA



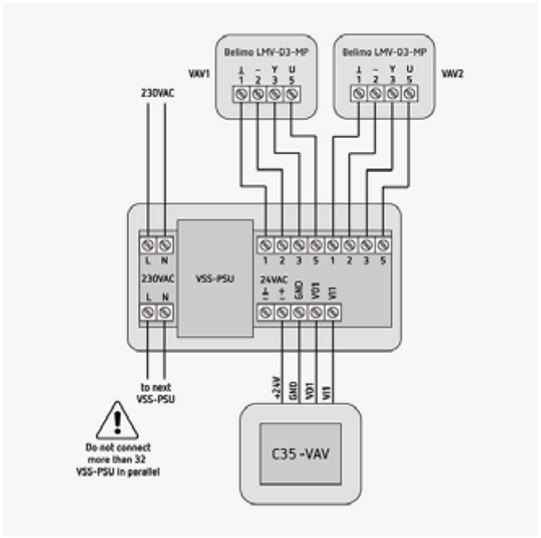


SOUND POWER LEVEL

Nominal size	v_L [m/s]	Volume flow [m³/h]	Volume flow [l/s]	Δpt = 50 Pa									Δpt = 125 Pa									Δpt = 250 Pa								
				L_w [dB/Oct] Hz								L_{WA} [dB(A)]	L_w [dB/Oct] Hz								L_{WA} [dB(A)]	L_w [dB/Oct] Hz								L_{WA} [dB(A)]
				63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000	
ø 100	1	28	8	34	24	18	<16	<16	<16	<16	<16	18	34	26	19	<16	<16	<16	<16	<16	19	29	26	20	<16	<16	<16	<16	<16	19
	3	85	24	51	51	32	<16	<16	<16	<16	<16	35	55	54	32	19	<16	<16	<16	<16	36	53	52	38	27	<16	<16	<16	<16	36
	5	141	39	56	53	38	29	<16	<16	<16	<16	40	58	58	40	30	21	<16	<16	<16	41	62	63	44	31	21	<16	<16	<16	45
ø 125	1	44	12	45	38	24	<16	<16	<16	<16	<16	21	46	40	26	<16	<16	<16	<16	<16	23	44	40	26	17	<16	<16	<16	<16	25
	3	133	37	58	50	33	22	<16	<16	<16	<16	37	61	53	34	22	22	<16	<16	<16	39	62	58	40	27	<16	<16	<16	<16	42
	5	221	61	59	55	42	34	24	<16	<16	<16	41	61	57	44	34	34	<15	<15	<16	42	70	66	46	34	24	<16	<16	<16	50
ø 160	1	83	23	43	36	27	23	<16	<16	<16	<16	25	45	38	29	24	24	<16	<16	<16	27	43	37	28	24	<16	<16	<16	<16	26
	3	217	60	57	54	40	29	<16	<16	<16	<16	38	59	56	41	29	29	<16	<16	<16	40	60	54	47	39	22	<16	<16	<16	43
	5	362	101	60	55	45	36	28	17	<16	<16	42	62	58	47	37	37	19	<16	<16	44	67	65	51	41	29	19	<16	<16	49

Lw [dB(A)] - Sound power level, flow noise
vL [m/s] - Flow speed, air duct
Δpt [Pa] - Total pressure difference

WIRING DIAGRAM



ACCESSORIES

EXT-SN - With this 4 step switch you can choose between 4 pre-defined modes

1) CONTROL 2...10V = CLOSED; Vmin - Vmax (default)
   a) **0** = CLOSED
   b) **I** = Vmin
   c) **II** = Vmid(50%)
   d) **III** = Vmax
2) CONTROL 0...10V = Vmin - Vmax
   a) **0** = Vmin
   b) **I** = Vmid(20%)
   c) **II** = Vmid (60%)
   d) **III** = Vmax

* For more technical information visit www.belimo.eu

BELIMO CRA-B3 BELIMO CRA-B3P

BELIMO CRA-B3 - Room controller specially adapted for the requirements of a controlled apartment ventillation. The system combines individual room comfort and minimum energy consumption in an economically optimised solution.

MODES:
COMF - setpoint according to external signal
MIN - the air volume is maintained at a minimum value set on the VAV controller
MAX - the air volume is regulated at a maximum value set on the VAV controller

* For more technical information visit www.belimo.eu

CODIS 35 VAV - Offers a wide selection of options for measuring temperature, humidity and air quality within single device. It is designed for demand controlled ventilation and room temperature applications.

FEATURES:
- Touch screen LCD display
- Temperature measurement
- Indoor air quality measurement
- Humidity measurement
- Timers and working modes
- Communication protocols
- Mobile applications
- Wi-Fi connectivity
- Inputs and outputs
- Quick and easy installation

* For more technical information visit www.koer.com

CAVU

NOTES: