



Compact heat recovery unit with cross-flow heat exchanger in 9 sizes from 500 m³/h to 8.350 m³/h. The casing is made from aluminium profile frame with double skinned 25 mm steel panels with mineral wool insulation. It is designed to be as compact as possible for false ceiling applications. The casings incorporate top, bottom and side access panels for maintenance. The outside skin is from PVC coated steel and the inner skin is pre-galvanised steel. The units are available in horizontal and vertical versions.

Applications

Public buildings, commercial offices, stores, schools and restaurants.

CADB/T-N D

Heat recovery units without additional incorporated heater.

CADB/T-N DI

Heat recovery units with built-in electric heater.


CADB/T-N DC

Heat recovery units with built-in hot water coil.

Motors

IP44, Class F (Models 05, 08, 45 and 55).
IP20, Class F (Models 12, 18, 23 and 30).
IP55, Class F (Model 80).

Fans

All fans installed in CADB/T-N models, comply with the efficiency requirements of the ErP Directive 

Filters

2 options:
- F7: Filters F7 for supply and extract air.
- F7+F9: Filters F7+F9 for supply and F7 for extract air.

Additional information

Single phase (CADB-N) and three phase models (CADT-N).
Horizontal and vertical version with by-pass available.
Highest mounting flexibility given by the interchangeable side panels.

Specific applications




Selection software



Heat recovery units



All fans installed in CADB/T-N models, comply with the efficiency requirements of the ErP Directive.




Low noise level
 Double skinned 25 mm steel panels with mineral wool insulation.



Easy mounting
 Single phase models with integrated mounting feet.



Versions with by-pass
 Enables the air to by-pass the cross-flow exchanger.



2 options of filtrations:
 - F7: Filters F7 for supply and extract air.
 - F7+F9: Filters F7+F9 for supply and F7 for extract air.



Airtight connectors
 Inlet and discharge connection flanges with EPDM rubber seal strip.



Robust construction
 High quality finishing with aluminium profile and Nylon corners.



Condensation drain
 Drain pipe to evacuate the condensate.



Pressure tappings
 Measurement of filter contamination level.



External terminal box
 IP65 terminal box fixed on the casing for easy wiring access.

HIGHEST FLEXIBILITY



Versatile assembly

The design of our heat recovery units makes it possible for the user to configure them on site. All side panels are interchangeable, which makes it possible to directly position the intake and outtake connections on site depending on the specific requirements.

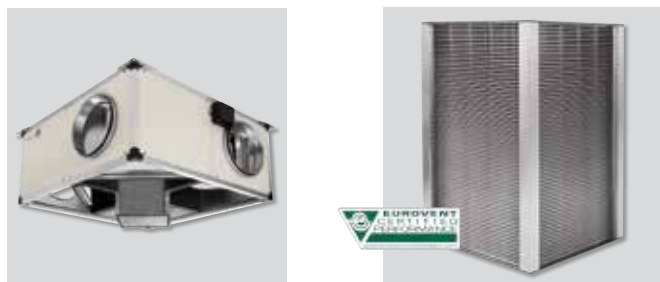


All side panels are interchangeable.



Easy maintainance

Rapid access to the filters from top, bottom and side.



Easy access for cleaning the cross-flow exchanger from top and bottom. The cross-flow exchangers are certified by EUROVENT.

REFERENCE

C	A	D	B	-	N	D	I	2	3	C	H	B	P	F7		
					1			2		3		4	5	6		7

- 1 - **CADB-N/CADT-N**: Serie.
 2 - **D**: Standard range.
 DI: Range with built-in electric heater.
 DC: Range with built-in hot water coil.
 3 - Size.
 4 - Type of configuration A, B, C, D, E, F.
 5 - **H**: Horizontal version.
 V: Upright version.
 6 - **BP**: Version with bypass incorporated.
 7 - **F7**: Filters F7 for supply and extract air.
 F7+F9: Filters F7+F9 for supply and F7 for extract air.

TECHNICAL CHARACTERISTICS

Models without heater

Model	Maximum airflow (m³/h)	Motor power (kW)	Maximum absorbed current (A)		Speed (rpm)	Protection (IP)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))		
			230V 50Hz	230/400V 50Hz				Inlet	Outlet	Radiated
CADB-N D 05	500	2 x 0,29	2 x 1,32	-	2880	IP44	53	43	55	38
CADB-N D 08	890	2 x 0,3	2 x 1,38	-	2880	IP44	50	43	55	38
CADB-N D 12	1.420	2 x 0,373	2 x 2,75	-	1357	IP20	50	55	66	49
CADB-N D 18	2.000	2 x 0,373	2 x 2,75	-	1357	IP20	50	55,5	66,5	49,5
CADB-N D 23	2.400	2 x 0,55	2 x 4,44	-	1324	IP20	60	56	67	50
CADB-N D 30	3.350	2 x 0,55	2 x 4,4	-	1251	IP20	58	56,5	67,5	50
CADT-N D 45	4.600	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	56	58	70	53
CADT-N D 55	5.400	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	52	59	71	54
CADT-N D 80	8.350	2 x 2,2	-	2 x 8,8/5,1	913	IP55	56	61	72	55

* Values referring to the following conditions: Outdoor temperature -5°C, Indoor temperature +20°C and RH 50% / max. airflow.

** Sound pressure level in free field conditions.

Models with built in electric heater

Model	Max. airflow (m³/h)	Motor power (kW)	Maximum absorbed current (A)		Speed (rpm)	Protection (IP)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))			Power electric heater (kW)	Nº Steps	Absorbed current electric heater*** (A)	Power electric heater (V)
			230V 50Hz	230/400V 50Hz				Inlet	Outlet	Radiated				
CADB-N DI 05	500	2 x 0,29	2 x 1,32	-	2880	IP44	53	43	55	38	2	1	Step 1 (2 kW): 8,70	230 1-phase
CADB-N DI 08	890	2 x 0,3	2 x 1,38	-	2880	IP44	50	43	55	38	3,5	2	Step 1 (2 kW): 8,70 Step 2 (1,5 kW): 6,52	230 1-phase
CADB-N DI 12	1.420	2 x 0,373	2 x 2,75	-	1357	IP20	50	55	66	49	3,5	2	Step 1 (2 kW): 8,70 Step 2 (1,5 kW): 6,52	230 1-phase
CADB-N DI 18	2.000	2 x 0,373	2 x 2,75	-	1357	IP20	50	55,5	66,5	49,5	6	2	Step 1 (3 kW): 7,50 Step 2 (3 kW): 7,50	400 2-phase
CADB-N DI 23	2.400	2 x 0,55	2 x 4,44	-	1324	IP20	60	56	67	50	6	2	Step 1 (3 kW): 7,50 Step 2 (3 kW): 7,50	400 2-phase
CADB-N DI 30	3.350	2 x 0,55	2 x 4,4	-	1251	IP20	58	56,5	67,5	50	9	2	Step 1 (4,5 kW): 6,52 Step 2 (4,5 kW): 6,52	400 3-phase
CADT-N DI 45	4.600	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	56	58	70	53	10,5	2	Step 1 (6 kW): 8,70 Step 2 (4,5 kW): 6,52	400 3-phase
CADT-N DI 55	5.400	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	52	59	71	54	12	2	Step 1 (6 kW): 8,70 Step 2 (6 kW): 8,70	400 3-phase
CADT-N DI 80	8.350	2 x 2,2	-	2 x 8,8/5,1	913	IP55	56	61	72	75	18	2	Step 1 (9 kW): 13,00 Step 2 (9 kW): 13,00	400 3-phase

* Values referring to the following conditions: Outdoor temperature -5°C, Indoor temperature +20°C and RH 50% / max. airflow.

** Sound pressure level in free field conditions.

*** In order to obtain the maximum absorbed current from the unit please add all single maximum absorbed currents (fans + steps of the electric heater).

Models with built in hot water coil (water 60/80°C)

Model	Maximum airflow (m³/h)	Motor power (kW)	Maximum absorbed current (A)		Speed (rpm)	Protection (IP)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))			Thermal performance (kW) 80/60°C	Water flow (l/s)	Pressure drop water (kPa)
			230V 50Hz	230/400V 50Hz				Inlet	Outlet	Radiated			
			CADB-N DC 05	500									
CADB-N DC 08	890	2 x 0,3	2 x 1,38	-	2880	IP44	50	43	55	38	5,9	0,071	3,42
CADB-N DC 12	1.420	2 x 0,373	2 x 2,75	-	1357	IP20	50	55	66	49	8,9	0,106	3,76
CADB-N DC 18	2.000	2 x 0,373	2 x 2,75	-	1357	IP20	50	55,5	66,5	49,5	13,6	0,162	5
CADB-N DC 23	2.400	2 x 0,55	2 x 4,44	-	1324	IP20	60	56	67	50	16,6	0,199	3,55
CADB-N DC 30	3.350	2 x 0,55	2 x 4,4	-	1251	IP20	58	56,5	67,5	50	21,2	0,254	4,77
CADT-N DC 45	4.600	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	56	58	70	53	30,5	0,365	4,97
CADT-N DC 55	5.400	2 x 1,5	-	2 x 10,1/5,8	1462	IP44	52	59	71	54	38,1	0,455	6,97
CADT-N DC 80	8.350	2 x 2,2	-	2 x 8,8/5,1	913	IP55	56	61	72	75	55,3	0,661	4,71

* Values referring to the following conditions: Outdoor temperature -5°C, Indoor temperature +20°C and RH 50% / max. airflow.

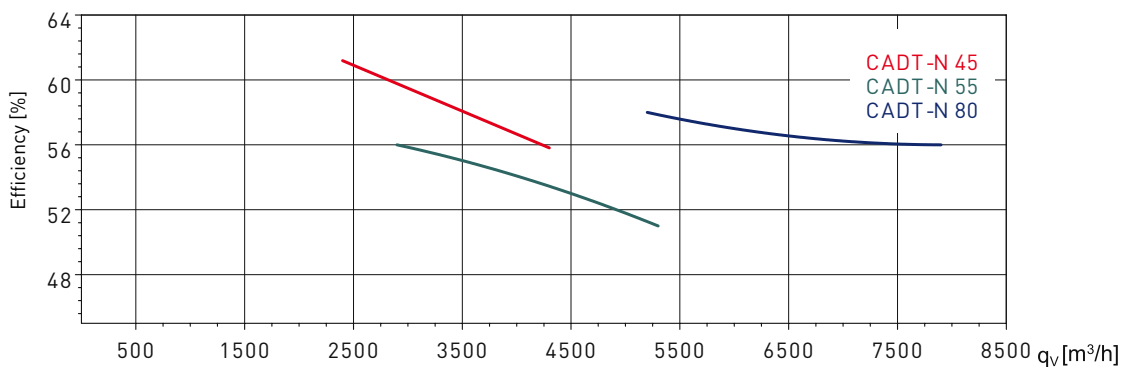
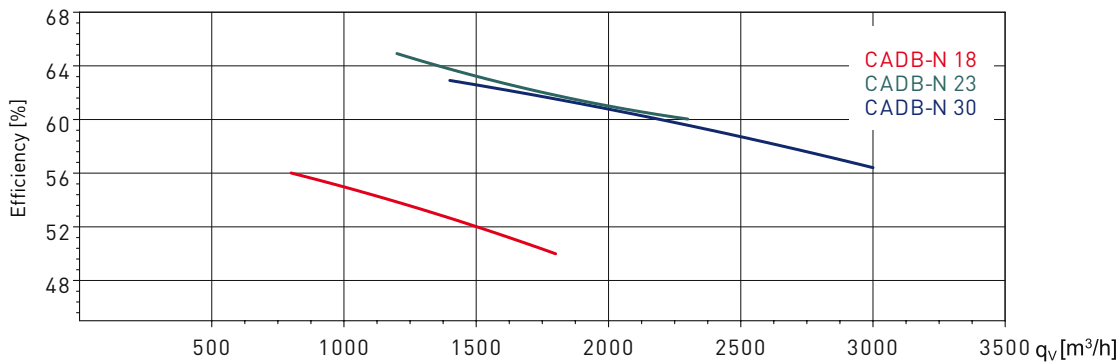
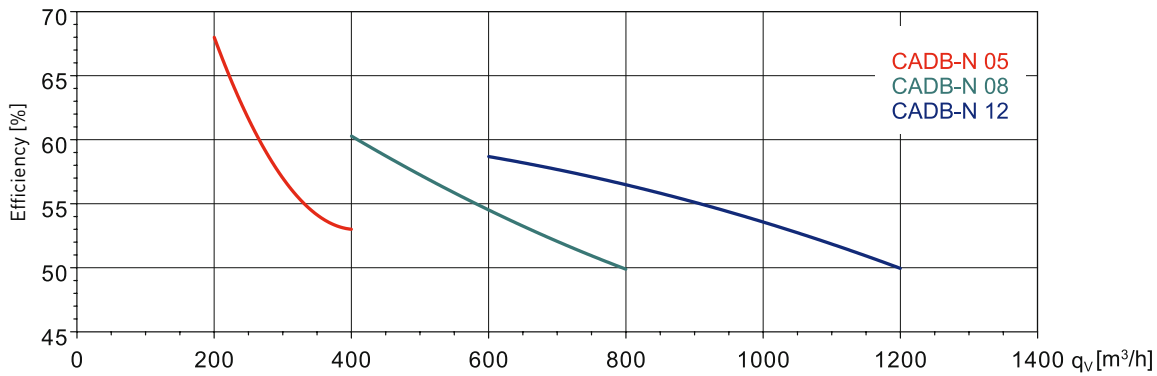
** Sound pressure level in free field conditions.

RECOVERY EFFICIENCY ACCORDING TO THE AIRFLOW

Values referring to the following conditions:

Outdoor temperature -5°C.

Indoor temperature +20°C, RH 50%.



RECOVERY EFFICIENCY IN DEPENDENCE OF THE OUTDOOR TEMPERATURES

Model	Airflow m ³ /h	Indoor temperature		Outdoor temperature		Inlet air temperature (°C)	Minimum efficiency (%)	Thermal performance (kW)
		°C	H.R. %	°C	H.R. %			
CADB-D-N 05	490	20	50	-10	80	7	56	2,9
				-5	80	8	53	2,3
				0	70	11	53	1,8
				5	60	13	56	1,4
			60	-10	80	8	60	3,1
				-5	80	9	58	2,5
				0	70	11	56	1,9
				5	60	13	56	1,4
CADB-D-N 08	900	20	50	-10	80	5	52	4,8
				-5	80	8	50	3,8
				0	70	10	50	3,0
				5	60	13	53	2,3
			60	-10	80	7	55	5,1
				-5	80	9	55	4,1
				0	70	11	53	3,1
				5	60	13	53	2,3
CADB-D-N 12	1200	20	50	-10	80	6	52	7,1
				-5	80	8	50	7,6
				0	70	10	50	4,4
				5	60	13	53	3,4
			60	-10	80	7	55	7,6
				-5	80	9	55	6,1
				0	70	11	53	4,6
				5	60	13	53	3,4
CADB-D-N 18	1900	20	50	-10	80	5	51	10,3
				-5	80	7	50	8,2
				0	70	10	50	6,5
				5	60	13	52	5,0
			60	-10	80	6	55	11,0
				-5	80	9	54	8,9
				0	70	11	53	6,8
				5	60	13	52	5,0
CADB-D-N 23	2300	20	50	-10	80	8	62	15,9
				-5	80	10	60	12,7
				0	70	12	59	9,7
				5	60	14	59	7,2
			60	-10	80	10	66	17,0
				-5	80	11	64	13,6
				0	70	13	63	10,4
				5	60	14	61	7,5
CADB-D-N 30	3300	20	50	-10	80	8	59	19,8
				-5	80	9	58	15,8
				0	70	11	56	12,2
				5	60	13	57	9,0
			60	-10	80	9	63	21,3
				-5	80	10	62	17,0
				0	70	12	60	12,9
				5	60	14	59	9,3
CADT-D-N 45	4400	20	50	-10	80	7	58	28,7
				-5	80	9	56	22,8
				0	70	11	55	17,6
				5	60	13	55	13,0
			60	-10	80	9	62	30,7
				-5	80	10	60	24,6
				0	70	12	59	18,7
				5	60	14	57	13,5
CADT-D-N 55	5200	20	50	-10	80	6	53	31,5
				-5	80	8	52	25,1
				0	70	10	51	19,2
				5	60	13	51	14,2
			60	-10	80	7	57	33,9
				-5	80	9	56	27,0
				0	70	11	54	20,6
				5	60	13	53	14,8
CADT-D-N 80	8000	20	50	-10	80	7	56	50,8
				-5	80	9	56	41,5
				0	70	11	55	31,7
				5	60	14	57	24,4
			60	-10	80	8	60	54,1
				-5	80	10	60	44,2
				0	70	12	59	34,3
				5	60	14	57	24,4

COMPLETE CHART OF STANDARD VERSIONS CADB/T-N F7

CADB/T-N D

HORIZONTAL

CADB-N	D	05	CH		F7
CADB-N	D	08	CH		F7
CADB-N	D	12	CH		F7
CADB-N	D	18	CH		F7
CADB-N	D	23	CH		F7
CADB-N	D	30	CH		F7
CADT-N	D	45	CH		F7
CADT-N	D	55	CH		F7
CADT-N	D	80	CH		F7

CADB-N	D	05	CH	BP	F7
CADB-N	D	08	CH	BP	F7
CADB-N	D	12	CH	BP	F7
CADB-N	D	18	CH	BP	F7
CADB-N	D	23	CH	BP	F7
CADB-N	D	30	CH	BP	F7
CADT-N	D	45	CH	BP	F7
CADT-N	D	55	CH	BP	F7
CADT-N	D	80	CH	BP	F7

VERTICAL

CADB-N	D	05	BV		F7
CADB-N	D	08	BV		F7
CADB-N	D	12	BV		F7
CADB-N	D	18	BV		F7
CADB-N	D	23	BV		F7
CADB-N	D	30	BV		F7
CADT-N	D	45	BV		F7
CADT-N	D	55	BV		F7
CADT-N	D	80	BV		F7

CADB-N	D	05	BV	BP	F7
CADB-N	D	08	BV	BP	F7
CADB-N	D	12	BV	BP	F7
CADB-N	D	18	BV	BP	F7
CADB-N	D	23	BV	BP	F7
CADB-N	D	30	BV	BP	F7
CADT-N	D	45	BV	BP	F7
CADT-N	D	55	BV	BP	F7
CADT-N	D	80	BV	BP	F7

CADB-N	D	05	AV		F7
CADB-N	D	08	AV		F7
CADB-N	D	12	AV		F7
CADB-N	D	18	AV		F7
CADB-N	D	23	AV		F7
CADB-N	D	30	AV		F7
CADT-N	D	45	AV		F7
CADT-N	D	55	AV		F7
CADT-N	D	80	AV		F7

CADB-N	D	05	AV	BP	F7
CADB-N	D	08	AV	BP	F7
CADB-N	D	12	AV	BP	F7
CADB-N	D	18	AV	BP	F7
CADB-N	D	23	AV	BP	F7
CADB-N	D	30	AV	BP	F7
CADT-N	D	45	AV	BP	F7
CADT-N	D	55	AV	BP	F7
CADT-N	D	80	AV	BP	F7

CADB-N	D	05	EV	BP	F7
CADB-N	D	08	EV	BP	F7
CADB-N	D	12	EV	BP	F7
CADB-N	D	18	EV	BP	F7
CADB-N	D	23	EV	BP	F7
CADB-N	D	30	EV	BP	F7
CADT-N	D	45	EV	BP	F7
CADT-N	D	55	EV	BP	F7
CADT-N	D	80	EV	BP	F7

CADB/T-N DI

HORIZONTAL

CADB-N	DI	05	AH		F7
CADB-N	DI	08	AH		F7
CADB-N	DI	12	AH		F7
CADB-N	DI	18	AH		F7
CADB-N	DI	23	AH		F7
CADB-N	DI	30	AH		F7
CADT-N	DI	45	AH		F7
CADT-N	DI	55	AH		F7
CADT-N	DI	80	AH		F7

CADB-N	DI	05	AH	BP	F7
CADB-N	DI	08	AH	BP	F7
CADB-N	DI	12	AH	BP	F7
CADB-N	DI	18	AH	BP	F7
CADB-N	DI	23	AH	BP	F7
CADB-N	DI	30	AH	BP	F7
CADT-N	DI	45	AH	BP	F7
CADT-N	DI	55	AH	BP	F7
CADT-N	DI	80	AH	BP	F7

VERTICAL

CADB-N	DI	05	DV		F7
CADB-N	DI	08	DV		F7
CADB-N	DI	12	DV		F7
CADB-N	DI	18	DV		F7
CADB-N	DI	23	DV		F7
CADB-N	DI	30	DV		F7
CADT-N	DI	45	DV		F7
CADT-N	DI	55	DV		F7
CADT-N	DI	80	DV		F7

CADB-N	DI	05	DV	BP	F7
CADB-N	DI	08	DV	BP	F7
CADB-N	DI	12	DV	BP	F7
CADB-N	DI	18	DV	BP	F7
CADB-N	DI	23	DV	BP	F7
CADB-N	DI	30	DV	BP	F7
CADT-N	DI	45	DV	BP	F7
CADT-N	DI	55	DV	BP	F7
CADT-N	DI	80	DV	BP	F7

CADB-N	DI	05	DH		F7
CADB-N	DI	08	DH		F7
CADB-N	DI	12	DH		F7
CADB-N	DI	18	DH		F7
CADB-N	DI	23	DH		F7
CADB-N	DI	30	DH		F7
CADT-N	DI	45	DH		F7
CADT-N	DI	55	DH		F7
CADT-N	DI	80	DH		F7

CADB-N	DI	05	DH	BP	F7
CADB-N	DI	08	DH	BP	F7
CADB-N	DI	12	DH	BP	F7
CADB-N	DI	18	DH	BP	F7
CADB-N	DI	23	DH	BP	F7
CADB-N	DI	30	DH	BP	F7
CADT-N	DI	45	DH	BP	F7
CADT-N	DI	55	DH	BP	F7
CADT-N	DI	80	DH	BP	F7

CADB-N	DI	05	FV	BP	F7
CADB-N	DI	08	FV	BP	F7
CADB-N	DI	12	FV	BP	F7
CADB-N	DI	18	FV	BP	F7
CADB-N	DI	23	FV	BP	F7
CADB-N	DI	30	FV	BP	F7
CADT-N	DI	45	FV	BP	F7
CADT-N	DI	55	FV	BP	F7
CADT-N	DI	80	FV	BP	F7

CADB-N	DI	05	EH		F7
CADB-N	DI	08	EH		F7
CADB-N	DI	12	EH		F7
CADB-N	DI	18	EH		F7
CADB-N	DI	23	EH		F7
CADB-N	DI	30	EH		F7
CADT-N	DI	45	EH		F7
CADT-N	DI	55	EH		F7
CADT-N	DI	80	EH		F7

CADB-N	DI	05	EH	BP	F7
CADB-N	DI	08	EH	BP	F7
CADB-N	DI	12	EH	BP	F7
CADB-N	DI	18	EH	BP	F7
CADB-N	DI	23	EH	BP	F7
CADB-N	DI	30	EH	BP	F7
CADT-N	DI	45	EH	BP	F7
CADT-N	DI	55	EH	BP	F7
CADT-N	DI	80	EH	BP	F7

CADB-N	DI	05	GH		F7
CADB-N	DI	08	GH		F7
CADB-N	DI	12	GH		F7
CADB-N	DI	18	GH		F7
CADB-N	DI	23	GH		F7
CADB-N	DI	30	GH		F7
CADT-N	DI	45	GH		F7
CADT-N	DI	55	GH		F7
CADT-N	DI	80	GH		F7

CADB-N	DI	05	GH	BP	F7
CADB-N	DI	08	GH	BP	F7
CADB-N	DI	12	GH	BP	F7
CADB-N	DI	18	GH	BP	F7
CADB-N	DI	23	GH	BP	F7
CADB-N	DI	30	GH	BP	F7
CADT-N	DI	45	GH	BP	F7
CADT-N	DI	55	GH	BP	F7
CADT-N	DI	80	GH	BP	F7

COMPLETE CHART OF STANDARD VERSIONS CADB/T-N F7

CADB/T-N DC

HORIZONTAL

CADB-N	DC	05	AH	F7
CADB-N	DC	08	AH	F7
CADB-N	DC	12	AH	F7
CADB-N	DC	18	AH	F7
CADB-N	DC	23	AH	F7
CADB-N	DC	30	AH	F7
CADT-N	DC	45	AH	F7
CADT-N	DC	55	AH	F7
CADT-N	DC	80	AH	F7

CADB-N	DC	05	AH	BP	F7
CADB-N	DC	08	AH	BP	F7
CADB-N	DC	12	AH	BP	F7
CADB-N	DC	18	AH	BP	F7
CADB-N	DC	23	AH	BP	F7
CADB-N	DC	30	AH	BP	F7
CADT-N	DC	45	AH	BP	F7
CADT-N	DC	55	AH	BP	F7
CADT-N	DC	80	AH	BP	F7

CADB-N	DC	05	DH	F7
CADB-N	DC	08	DH	F7
CADB-N	DC	12	DH	F7
CADB-N	DC	18	DH	F7
CADB-N	DC	23	DH	F7
CADB-N	DC	30	DH	F7
CADT-N	DC	45	DH	F7
CADT-N	DC	55	DH	F7
CADT-N	DC	80	DH	F7

CADB-N	DC	05	DH	BP	F7
CADB-N	DC	08	DH	BP	F7
CADB-N	DC	12	DH	BP	F7
CADB-N	DC	18	DH	BP	F7
CADB-N	DC	23	DH	BP	F7
CADB-N	DC	30	DH	BP	F7
CADT-N	DC	45	DH	BP	F7
CADT-N	DC	55	DH	BP	F7
CADT-N	DC	80	DH	BP	F7

CADB-N	DC	05	EH	F7
CADB-N	DC	08	EH	F7
CADB-N	DC	12	EH	F7
CADB-N	DC	18	EH	F7
CADB-N	DC	23	EH	F7
CADB-N	DC	30	EH	F7
CADT-N	DC	45	EH	F7
CADT-N	DC	55	EH	F7
CADT-N	DC	80	EH	F7

CADB-N	DC	05	EH	BP	F7
CADB-N	DC	08	EH	BP	F7
CADB-N	DC	12	EH	BP	F7
CADB-N	DC	18	EH	BP	F7
CADB-N	DC	23	EH	BP	F7
CADB-N	DC	30	EH	BP	F7
CADT-N	DC	45	EH	BP	F7
CADT-N	DC	55	EH	BP	F7
CADT-N	DC	80	EH	BP	F7

CADB-N	DC	05	GH	F7
CADB-N	DC	08	GH	F7
CADB-N	DC	12	GH	F7
CADB-N	DC	18	GH	F7
CADB-N	DC	23	GH	F7
CADB-N	DC	30	GH	F7
CADT-N	DC	45	GH	F7
CADT-N	DC	55	GH	F7
CADT-N	DC	80	GH	F7

CADB-N	DC	05	GH	BP	F7
CADB-N	DC	08	GH	BP	F7
CADB-N	DC	12	GH	BP	F7
CADB-N	DC	18	GH	BP	F7
CADB-N	DC	23	GH	BP	F7
CADB-N	DC	30	GH	BP	F7
CADT-N	DC	45	GH	BP	F7
CADT-N	DC	55	GH	BP	F7
CADT-N	DC	80	GH	BP	F7

VERTICAL

CADB-N	DC	05	DV	F7
CADB-N	DC	08	DV	F7
CADB-N	DC	12	DV	F7
CADB-N	DC	18	DV	F7
CADB-N	DC	23	DV	F7
CADB-N	DC	30	DV	F7
CADT-N	DC	45	DV	F7
CADT-N	DC	55	DV	F7
CADT-N	DC	80	DV	F7

CADB-N	DC	05	DV	BP	F7
CADB-N	DC	08	DV	BP	F7
CADB-N	DC	12	DV	BP	F7
CADB-N	DC	18	DV	BP	F7
CADB-N	DC	23	DV	BP	F7
CADB-N	DC	30	DV	BP	F7
CADT-N	DC	45	DV	BP	F7
CADT-N	DC	55	DV	BP	F7
CADT-N	DC	80	DV	BP	F7

CADB-N	DC	05	FV	BP	F7
CADB-N	DC	08	FV	BP	F7
CADB-N	DC	12	FV	BP	F7
CADB-N	DC	18	FV	BP	F7
CADB-N	DC	23	FV	BP	F7
CADB-N	DC	30	FV	BP	F7
CADT-N	DC	45	FV	BP	F7
CADT-N	DC	55	FV	BP	F7
CADT-N	DC	80	FV	BP	F7



COMPLETE CHART OF STANDARD VERSIONS CADB/T-N F7+F9

CADB/T-N D

HORIZONTAL

CADB-N	D	05	CH	F7+F9
CADB-N	D	08	CH	F7+F9
CADB-N	D	12	CH	F7+F9
CADB-N	D	18	CH	F7+F9
CADB-N	D	23	CH	F7+F9
CADB-N	D	30	CH	F7+F9
CADT-N	D	45	CH	F7+F9
CADT-N	D	55	CH	F7+F9
CADT-N	D	80	CH	F7+F9

CADB-N	D	05	CH	BP	F7+F9
CADB-N	D	08	CH	BP	F7+F9
CADB-N	D	12	CH	BP	F7+F9
CADB-N	D	18	CH	BP	F7+F9
CADB-N	D	23	CH	BP	F7+F9
CADB-N	D	30	CH	BP	F7+F9
CADT-N	D	45	CH	BP	F7+F9
CADT-N	D	55	CH	BP	F7+F9
CADT-N	D	80	CH	BP	F7+F9

VERTICAL

CADB-N	D	05	BV	F7+F9
CADB-N	D	08	BV	F7+F9
CADB-N	D	12	BV	F7+F9
CADB-N	D	18	BV	F7+F9
CADB-N	D	23	BV	F7+F9
CADB-N	D	30	BV	F7+F9
CADT-N	D	45	BV	F7+F9
CADT-N	D	55	BV	F7+F9
CADT-N	D	80	BV	F7+F9

CADB-N	D	05	BV	BP	F7+F9
CADB-N	D	08	BV	BP	F7+F9
CADB-N	D	12	BV	BP	F7+F9
CADB-N	D	18	BV	BP	F7+F9
CADB-N	D	23	BV	BP	F7+F9
CADB-N	D	30	BV	BP	F7+F9
CADT-N	D	45	BV	BP	F7+F9
CADT-N	D	55	BV	BP	F7+F9
CADT-N	D	80	BV	BP	F7+F9

CADB-N	D	05	AV	F7+F9
CADB-N	D	08	AV	F7+F9
CADB-N	D	12	AV	F7+F9
CADB-N	D	18	AV	F7+F9
CADB-N	D	23	AV	F7+F9
CADB-N	D	30	AV	F7+F9
CADT-N	D	45	AV	F7+F9
CADT-N	D	55	AV	F7+F9
CADT-N	D	80	AV	F7+F9

CADB-N	D	05	AV	BP	F7+F9
CADB-N	D	08	AV	BP	F7+F9
CADB-N	D	12	AV	BP	F7+F9
CADB-N	D	18	AV	BP	F7+F9
CADB-N	D	23	AV	BP	F7+F9
CADB-N	D	30	AV	BP	F7+F9
CADT-N	D	45	AV	BP	F7+F9
CADT-N	D	55	AV	BP	F7+F9
CADT-N	D	80	AV	BP	F7+F9

CADB-N	D	05	EV	BP	F7+F9
CADB-N	D	08	EV	BP	F7+F9
CADB-N	D	12	EV	BP	F7+F9
CADB-N	D	18	EV	BP	F7+F9
CADB-N	D	23	EV	BP	F7+F9
CADB-N	D	30	EV	BP	F7+F9
CADT-N	D	45	EV	BP	F7+F9
CADT-N	D	55	EV	BP	F7+F9
CADT-N	D	80	EV	BP	F7+F9

CADB/T-N DI

HORIZONTAL

CADB-N	DI	05	AH	F7+F9
CADB-N	DI	08	AH	F7+F9
CADB-N	DI	12	AH	F7+F9
CADB-N	DI	18	AH	F7+F9
CADB-N	DI	23	AH	F7+F9
CADB-N	DI	30	AH	F7+F9
CADT-N	DI	45	AH	F7+F9
CADT-N	DI	55	AH	F7+F9
CADT-N	DI	80	AH	F7+F9

CADB-N	DI	05	AH	BP	F7+F9
CADB-N	DI	08	AH	BP	F7+F9
CADB-N	DI	12	AH	BP	F7+F9
CADB-N	DI	18	AH	BP	F7+F9
CADB-N	DI	23	AH	BP	F7+F9
CADB-N	DI	30	AH	BP	F7+F9
CADT-N	DI	45	AH	BP	F7+F9
CADT-N	DI	55	AH	BP	F7+F9
CADT-N	DI	80	AH	BP	F7+F9

VERTICAL

CADB-N	DI	05	DV	F7+F9
CADB-N	DI	08	DV	F7+F9
CADB-N	DI	12	DV	F7+F9
CADB-N	DI	18	DV	F7+F9
CADB-N	DI	23	DV	F7+F9
CADB-N	DI	30	DV	F7+F9
CADT-N	DI	45	DV	F7+F9
CADT-N	DI	55	DV	F7+F9
CADT-N	DI	80	DV	F7+F9

CADB-N	DI	05	DV	BP	F7+F9
CADB-N	DI	08	DV	BP	F7+F9
CADB-N	DI	12	DV	BP	F7+F9
CADB-N	DI	18	DV	BP	F7+F9
CADB-N	DI	23	DV	BP	F7+F9
CADB-N	DI	30	DV	BP	F7+F9
CADT-N	DI	45	DV	BP	F7+F9
CADT-N	DI	55	DV	BP	F7+F9
CADT-N	DI	80	DV	BP	F7+F9

CADB-N	DI	05	DH	F7+F9
CADB-N	DI	08	DH	F7+F9
CADB-N	DI	12	DH	F7+F9
CADB-N	DI	18	DH	F7+F9
CADB-N	DI	23	DH	F7+F9
CADB-N	DI	30	DH	F7+F9
CADT-N	DI	45	DH	F7+F9
CADT-N	DI	55	DH	F7+F9
CADT-N	DI	80	DH	F7+F9

CADB-N	DI	05	DH	BP	F7+F9
CADB-N	DI	08	DH	BP	F7+F9
CADB-N	DI	12	DH	BP	F7+F9
CADB-N	DI	18	DH	BP	F7+F9
CADB-N	DI	23	DH	BP	F7+F9
CADB-N	DI	30	DH	BP	F7+F9
CADT-N	DI	45	DH	BP	F7+F9
CADT-N	DI	55	DH	BP	F7+F9
CADT-N	DI	80	DH	BP	F7+F9

CADB-N	DI	05	FV	BP	F7+F9
CADB-N	DI	08	FV	BP	F7+F9
CADB-N	DI	12	FV	BP	F7+F9
CADB-N	DI	18	FV	BP	F7+F9
CADB-N	DI	23	FV	BP	F7+F9
CADB-N	DI	30	FV	BP	F7+F9
CADT-N	DI	45	FV	BP	F7+F9
CADT-N	DI	55	FV	BP	F7+F9
CADT-N	DI	80	FV	BP	F7+F9

CADB-N	DI	05	EH	F7+F9
CADB-N	DI	08	EH	F7+F9
CADB-N	DI	12	EH	F7+F9
CADB-N	DI	18	EH	F7+F9
CADB-N	DI	23	EH	F7+F9
CADB-N	DI	30	EH	F7+F9
CADT-N	DI	45	EH	F7+F9
CADT-N	DI	55	EH	F7+F9
CADT-N	DI	80	EH	F7+F9

CADB-N	DI	05	EH	BP	F7+F9
CADB-N	DI	08	EH	BP	F7+F9
CADB-N	DI	12	EH	BP	F7+F9
CADB-N	DI	18	EH	BP	F7+F9
CADB-N	DI	23	EH	BP	F7+F9
CADB-N	DI	30	EH	BP	F7+F9
CADT-N	DI	45	EH	BP	F7+F9
CADT-N	DI	55	EH	BP	F7+F9
CADT-N	DI	80	EH	BP	F7+F9

CADB-N	DI	05	GH	F7+F9
CADB-N	DI	08	GH	F7+F9
CADB-N	DI	12	GH	F7+F9
CADB-N	DI	18	GH	F7+F9
CADB-N	DI	23	GH	F7+F9
CADB-N	DI	30	GH	F7+F9
CADT-N	DI	45	GH	F7+F9
CADT-N	DI	55	GH	F7+F9
CADT-N	DI	80	GH	F7+F9

CADB-N	DI	05	GH	BP	F7+F9
CADB-N	DI	08	GH	BP	F7+F9
CADB-N	DI	12	GH	BP	F7+F9
CADB-N	DI	18	GH	BP	F7+F9
CADB-N	DI	23	GH	BP	F7+F9
CADB-N	DI	30	GH	BP	F7+F9
CADT-N	DI	45	GH	BP	F7+F9
CADT-N	DI	55	GH	BP	F7+F9
CADT-N	DI	80	GH	BP	F7+F9

COMPLETE CHART OF STANDARD VERSIONS CADB/T-N F7+F9

CADB/T-N DC

HORIZONTAL

CADB-N	DC	05	AH	F7+F9
CADB-N	DC	08	AH	F7+F9
CADB-N	DC	12	AH	F7+F9
CADB-N	DC	18	AH	F7+F9
CADB-N	DC	23	AH	F7+F9
CADB-N	DC	30	AH	F7+F9
CADT-N	DC	45	AH	F7+F9
CADT-N	DC	55	AH	F7+F9
CADT-N	DC	80	AH	F7+F9

CADB-N	DC	05	AH	BP	F7+F9
CADB-N	DC	08	AH	BP	F7+F9
CADB-N	DC	12	AH	BP	F7+F9
CADB-N	DC	18	AH	BP	F7+F9
CADB-N	DC	23	AH	BP	F7+F9
CADB-N	DC	30	AH	BP	F7+F9
CADT-N	DC	45	AH	BP	F7+F9
CADT-N	DC	55	AH	BP	F7+F9
CADT-N	DC	80	AH	BP	F7+F9

CADB-N	DC	05	DH	F7+F9
CADB-N	DC	08	DH	F7+F9
CADB-N	DC	12	DH	F7+F9
CADB-N	DC	18	DH	F7+F9
CADB-N	DC	23	DH	F7+F9
CADB-N	DC	30	DH	F7+F9
CADT-N	DC	45	DH	F7+F9
CADT-N	DC	55	DH	F7+F9
CADT-N	DC	80	DH	F7+F9

CADB-N	DC	05	DH	BP	F7+F9
CADB-N	DC	08	DH	BP	F7+F9
CADB-N	DC	12	DH	BP	F7+F9
CADB-N	DC	18	DH	BP	F7+F9
CADB-N	DC	23	DH	BP	F7+F9
CADB-N	DC	30	DH	BP	F7+F9
CADT-N	DC	45	DH	BP	F7+F9
CADT-N	DC	55	DH	BP	F7+F9
CADT-N	DC	80	DH	BP	F7+F9

CADB-N	DC	05	EH	F7+F9
CADB-N	DC	08	EH	F7+F9
CADB-N	DC	12	EH	F7+F9
CADB-N	DC	18	EH	F7+F9
CADB-N	DC	23	EH	F7+F9
CADB-N	DC	30	EH	F7+F9
CADT-N	DC	45	EH	F7+F9
CADT-N	DC	55	EH	F7+F9
CADT-N	DC	80	EH	F7+F9

CADB-N	DC	05	EH	BP	F7+F9
CADB-N	DC	08	EH	BP	F7+F9
CADB-N	DC	12	EH	BP	F7+F9
CADB-N	DC	18	EH	BP	F7+F9
CADB-N	DC	23	EH	BP	F7+F9
CADB-N	DC	30	EH	BP	F7+F9
CADT-N	DC	45	EH	BP	F7+F9
CADT-N	DC	55	EH	BP	F7+F9
CADT-N	DC	80	EH	BP	F7+F9

CADB-N	DC	05	GH	F7+F9
CADB-N	DC	08	GH	F7+F9
CADB-N	DC	12	GH	F7+F9
CADB-N	DC	18	GH	F7+F9
CADB-N	DC	23	GH	F7+F9
CADB-N	DC	30	GH	F7+F9
CADT-N	DC	45	GH	F7+F9
CADT-N	DC	55	GH	F7+F9
CADT-N	DC	80	GH	F7+F9

CADB-N	DC	05	GH	BP	F7+F9
CADB-N	DC	08	GH	BP	F7+F9
CADB-N	DC	12	GH	BP	F7+F9
CADB-N	DC	18	GH	BP	F7+F9
CADB-N	DC	23	GH	BP	F7+F9
CADB-N	DC	30	GH	BP	F7+F9
CADT-N	DC	45	GH	BP	F7+F9
CADT-N	DC	55	GH	BP	F7+F9
CADT-N	DC	80	GH	BP	F7+F9

VERTICAL

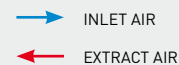
CADB-N	DC	05	DV	F7+F9
CADB-N	DC	08	DV	F7+F9
CADB-N	DC	12	DV	F7+F9
CADB-N	DC	18	DV	F7+F9
CADB-N	DC	23	DV	F7+F9
CADB-N	DC	30	DV	F7+F9
CADT-N	DC	45	DV	F7+F9
CADT-N	DC	55	DV	F7+F9
CADT-N	DC	80	DV	F7+F9

CADB-N	DC	05	DV	BP	F7+F9
CADB-N	DC	08	DV	BP	F7+F9
CADB-N	DC	12	DV	BP	F7+F9
CADB-N	DC	18	DV	BP	F7+F9
CADB-N	DC	23	DV	BP	F7+F9
CADB-N	DC	30	DV	BP	F7+F9
CADT-N	DC	45	DV	BP	F7+F9
CADT-N	DC	55	DV	BP	F7+F9
CADT-N	DC	80	DV	BP	F7+F9

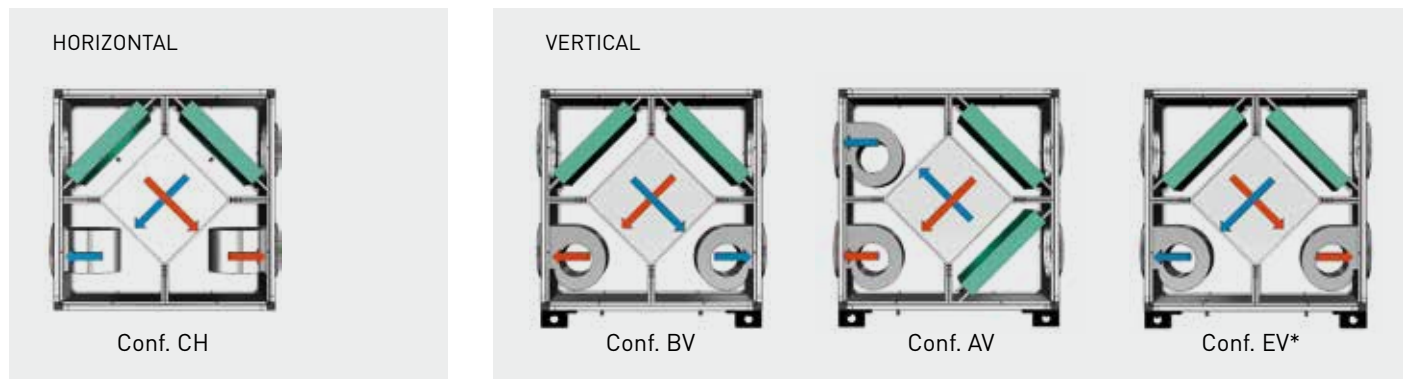
CADB-N	DC	05	FV	BP	F7+F9
CADB-N	DC	08	FV	BP	F7+F9
CADB-N	DC	12	FV	BP	F7+F9
CADB-N	DC	18	FV	BP	F7+F9
CADB-N	DC	23	FV	BP	F7+F9
CADB-N	DC	30	FV	BP	F7+F9
CADT-N	DC	45	FV	BP	F7+F9
CADT-N	DC	55	FV	BP	F7+F9
CADT-N	DC	80	FV	BP	F7+F9

STANDARD CONFIGURATIONS CADB/T-N D/DI/DC

Based on these standard configurations other configurations can be quickly adapted by the installer.

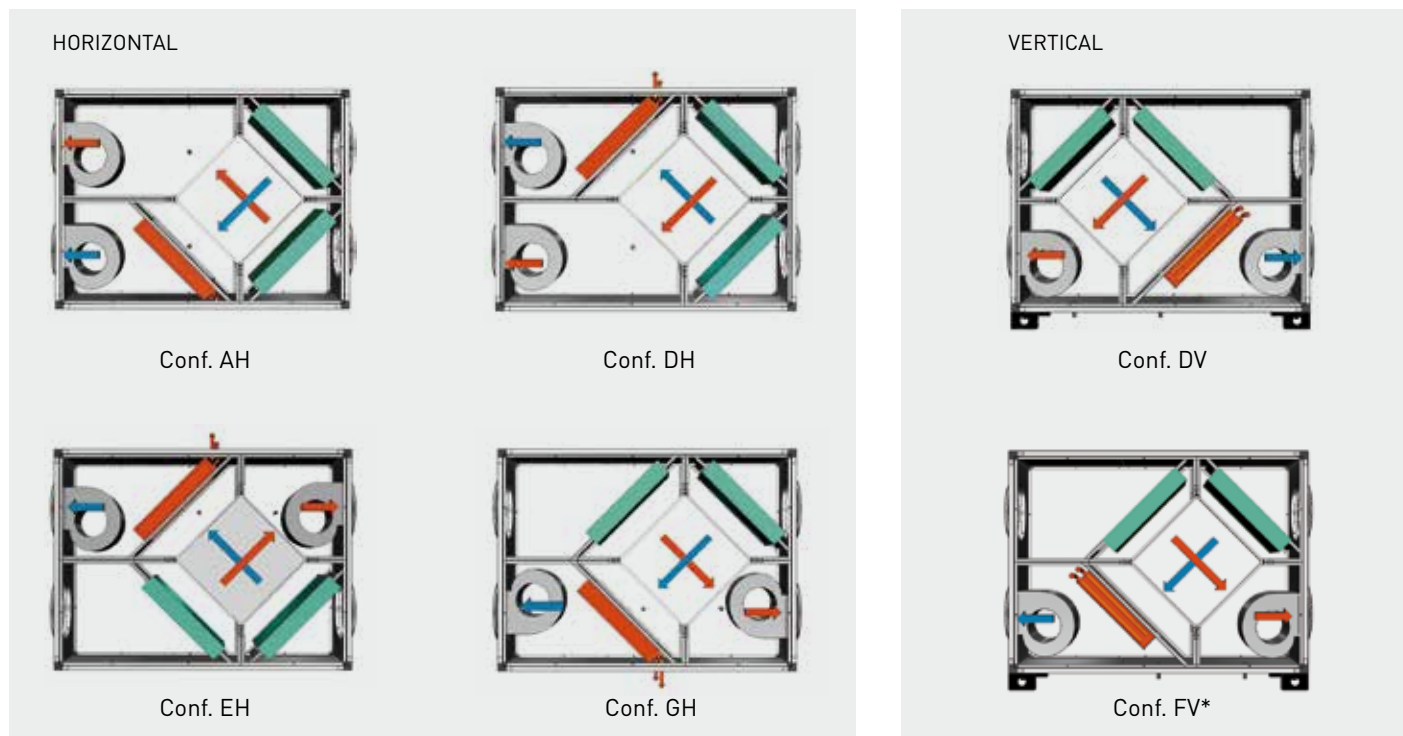


CONFIGURATIONS VERSIONS WITHOUT ELECTRIC HEATER: CADB/T-D



* Only available with by-pass. The EV version without BP is obtained from BV version.

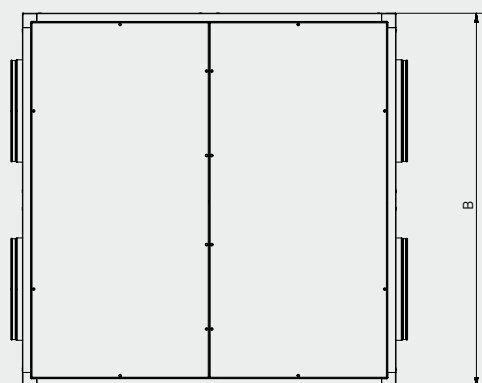
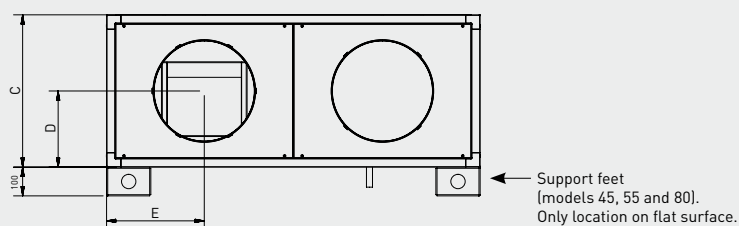
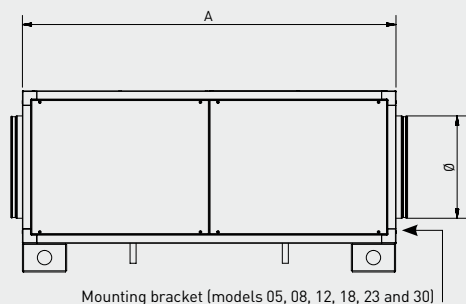
CONFIGURATIONS VERSIONS WITH ELECTRIC HEATER: CADB/T-DI and DC



* Only available with by-pass. The FV version without BP is obtained from BV version by means of a simple modification made by the installer.

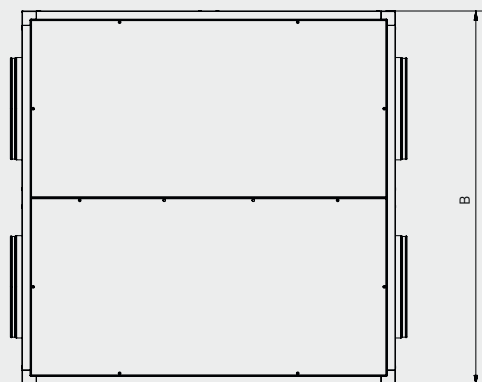
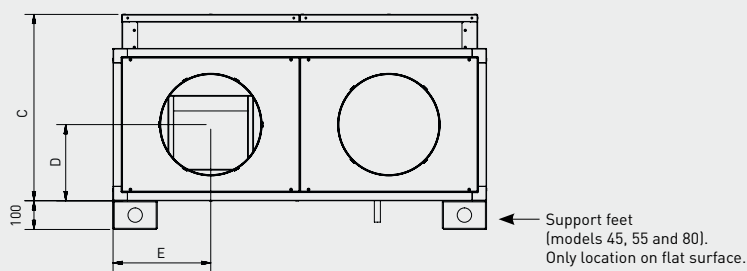
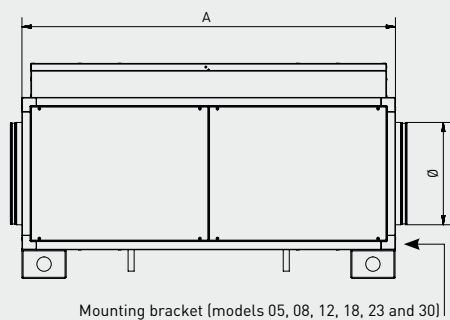
DIMENSIONS (mm)

VERSION D - Horizontal configuration (H)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N D 05 H	650	650	360	180	178	200	58
CADB-N D 08 H	850	850	360	180	228	250	83
CADB-N D 12 H	1050	1050	500	250	278	315	141
CADB-N D 18 H	1150	1150	500	250	303	355	162
CADB-N D 23 H	1300	1300	530	265	340	355	202
CADB-N D 30 H	1500	1500	530	265	390	400	248
CADT-N D 45 H	1600	1600	600	300	415	450	283
CADT-N D 55 H	2000	2000	650	325	515	500	479
CADT-N D 80 H	2150	2150	820	410	553	630	612

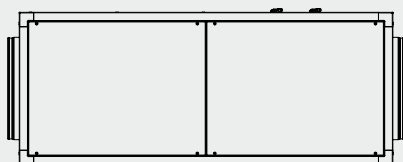
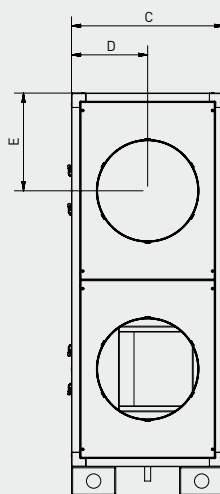
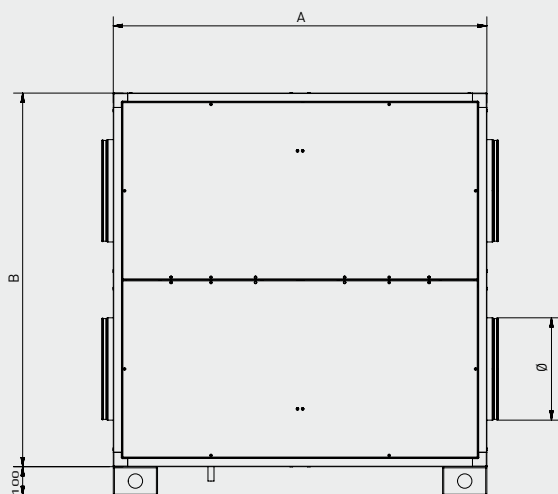
VERSION D - Horizontal configuration (H) - With by-pass (BP)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N D 05 H BP	650	650	480	180	178	200	60
CADB-N D 08 H BP	850	850	480	180	228	250	87
CADB-N D 12 H BP	1050	1050	620	250	278	315	145
CADB-N D 18 H BP	1150	1150	620	250	303	355	167
CADB-N D 23 H BP	1300	1300	650	265	340	355	208
CADB-N D 30 H BP	1500	1500	650	265	390	400	255
CADT-N D 45 H BP	1600	1600	720	300	415	450	291
CADT-N D 55 H BP	2000	2000	820	325	515	500	491
CADT-N D 80 H BP	2150	2150	990	410	553	630	625

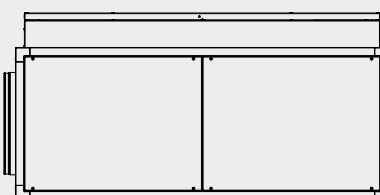
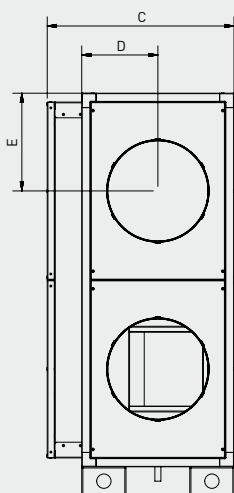
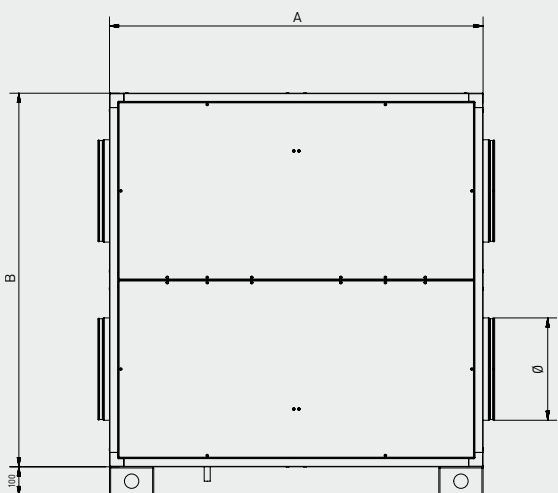
DIMENSIONS (mm)

VERSION D - Vertical configuration (V)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N D 05 V	650	650	360	180	178	200	58
CADB-N D 08 V	850	850	360	180	228	250	83
CADB-N D 12 V	1050	1050	500	250	278	315	141
CADB-N D 18 V	1150	1150	500	250	303	355	162
CADB-N D 23 V	1300	1300	530	265	340	355	202
CADB-N D 30 V	1500	1500	530	265	390	400	248
CADT-N D 45 V	1600	1600	600	300	415	450	283
CADT-N D 55 V	2000	2000	650	325	515	500	479
CADT-N D 80 V	2150	2150	820	410	553	630	612

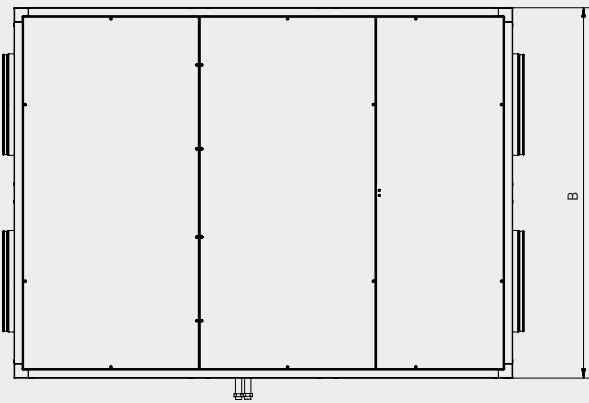
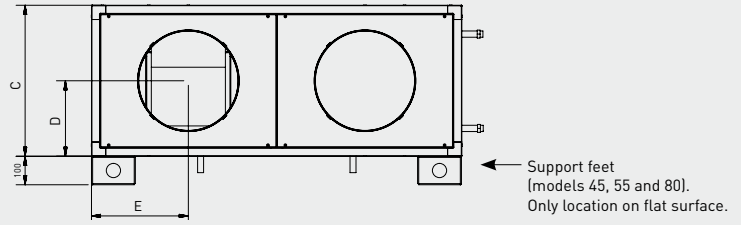
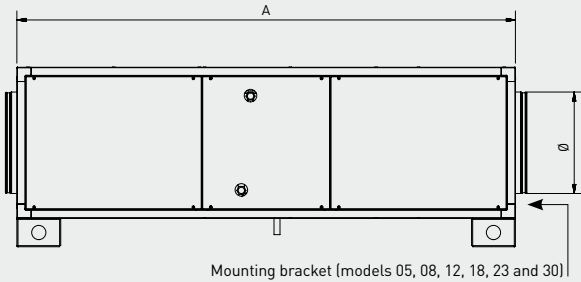
VERSION D - Vertical configuration (V) - With by-pass (BP)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N D 05 V BP	650	650	480	180	178	200	60
CADB-N D 08 V BP	850	850	480	180	228	250	87
CADB-N D 12 V BP	1050	1050	620	250	278	315	145
CADB-N D 18 V BP	1150	1150	620	250	303	355	167
CADB-N D 23 V BP	1300	1300	650	265	340	355	208
CADB-N D 30 V BP	1500	1500	650	265	390	400	255
CADT-N D 45 V BP	1600	1600	720	300	415	450	291
CADT-N D 55 V BP	2000	2000	820	325	515	500	491
CADT-N D 80 V BP	2150	2150	990	410	553	630	625

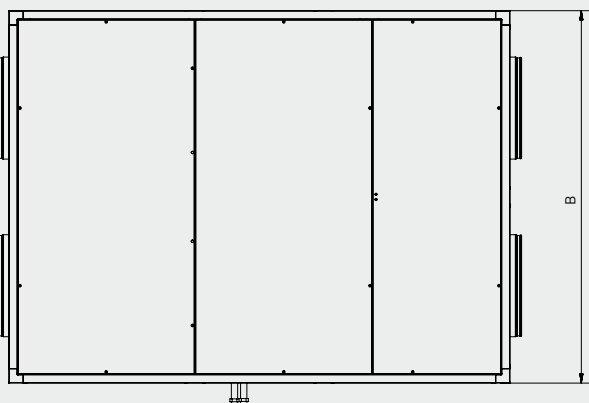
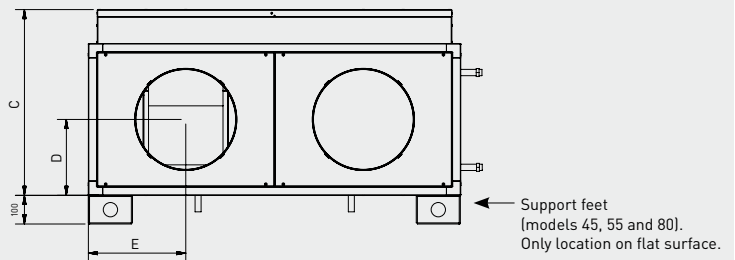
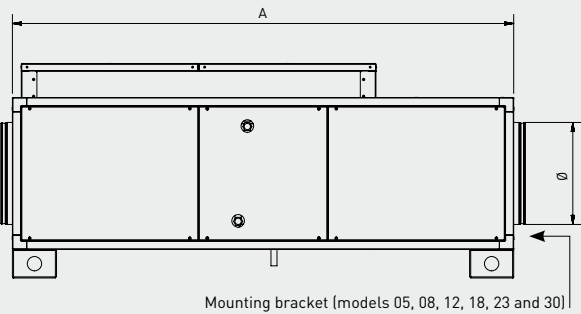
DIMENSIONS (mm)

VERSION DI and DC - Horizontal configuration (H)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N DI/DC 05 H	975	650	360	180	178	200	67
CADB-N DI/DC 08 H	1150	850	360	180	228	250	93
CADB-N DI/DC 12 H	1500	1050	500	250	278	315	152
CADB-N DI/DC 18 H	1600	1150	500	250	303	355	174
CADB-N DI/DC 23 H	1750	1300	530	265	340	355	215
CADB-N DI/DC 30 H	1950	1500	530	265	390	400	262
CADT-N DI/DC 45 H	2050	1600	600	300	415	450	298
CADT-N DI/DC 55 H	2700	2000	650	325	515	500	496
CADT-N DI/DC 80 H	2850	2150	820	410	553	630	633

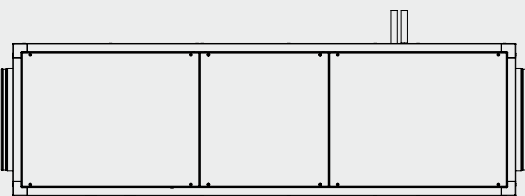
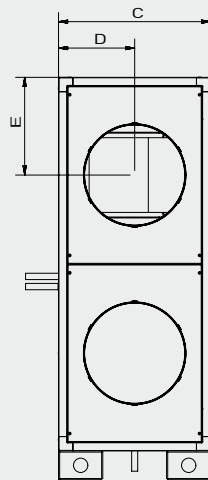
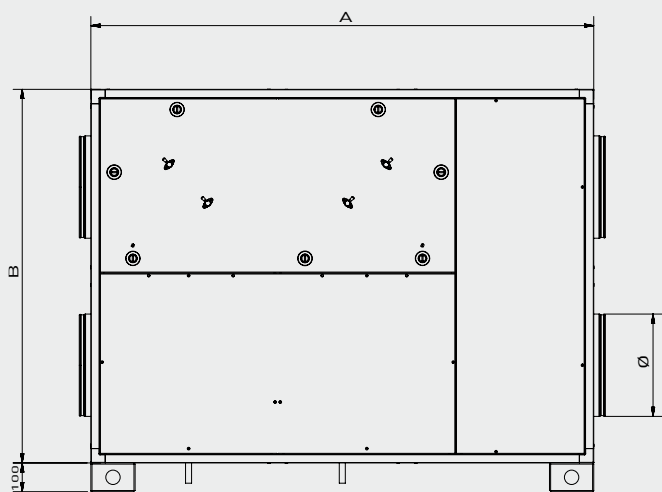
VERSION DI and DC - Horizontal configuration (H) - With by-pass (BP)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N DI/DC 05 H BP	975	650	480	180	178	200	69
CADB-N DI/DC 08 H BP	1150	850	480	180	228	250	96
CADB-N DI/DC 12 H BP	1500	1050	620	250	278	315	156
CADB-N DI/DC 18 H BP	1600	1150	620	250	303	355	178
CADB-N DI/DC 23 H BP	1750	1300	650	265	340	355	220
CADB-N DI/DC 30 H BP	1950	1500	650	265	390	400	269
CADT-N DI/DC 45 H BP	2050	1600	720	300	415	450	306
CADT-N DI/DC 55 H BP	2700	2000	820	325	515	500	508
CADT-N DI/DC 80 H BP	2850	2150	990	410	553	630	646

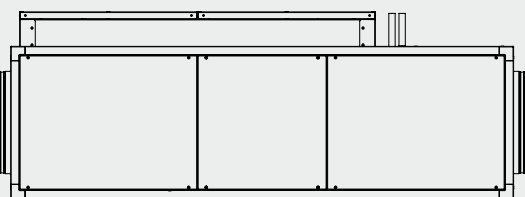
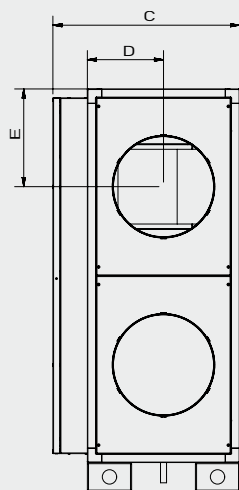
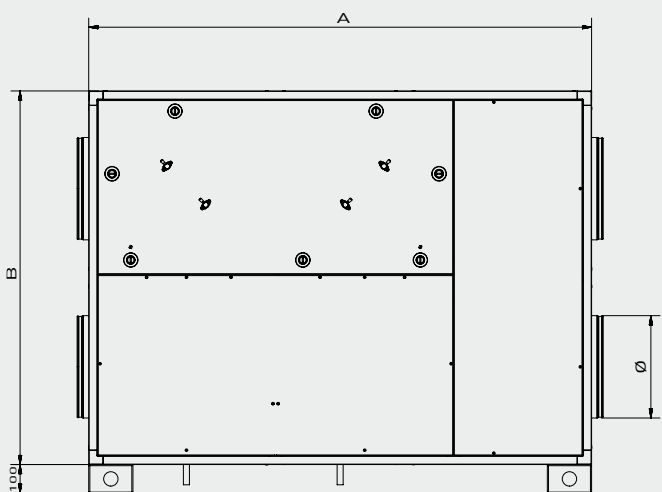
DIMENSIONS (mm)

VERSION DI and DC - Vertical configuration (V)



Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N DI/DC 05 V	975	650	360	180	178	200	67
CADB-N DI/DC 08 V	1150	850	360	180	228	250	93
CADB-N DI/DC 12 V	1500	1050	500	250	278	315	152
CADB-N DI/DC 18 V	1600	1150	500	250	303	355	174
CADB-N DI/DC 23 V	1750	1300	530	265	340	355	215
CADB-N DI/DC 30 V	1950	1500	530	265	390	400	262
CADT-N DI/DC 45 V	2050	1600	600	300	415	450	298
CADT-N DI/DC 55 V	2700	2000	650	325	515	500	496
CADT-N DI/DC 80 V	2850	2150	820	410	553	630	633

VERSION DI and DC - Vertical configuration (V) - With by-pass (BP)

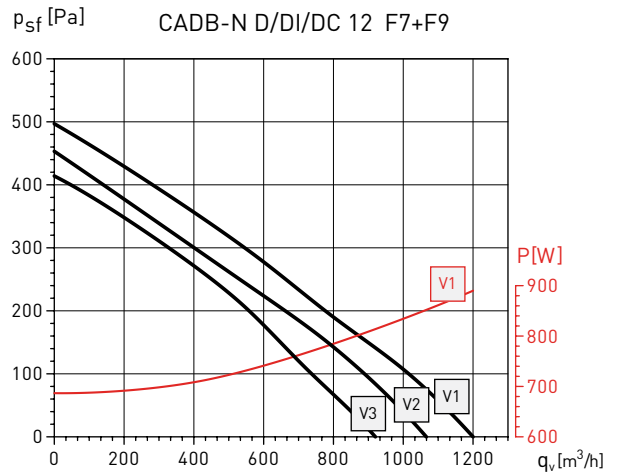
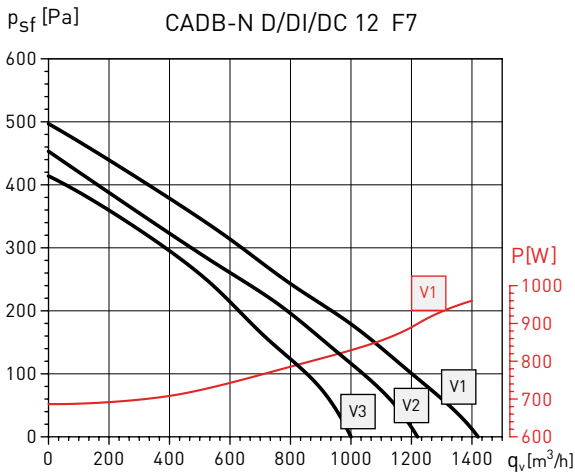
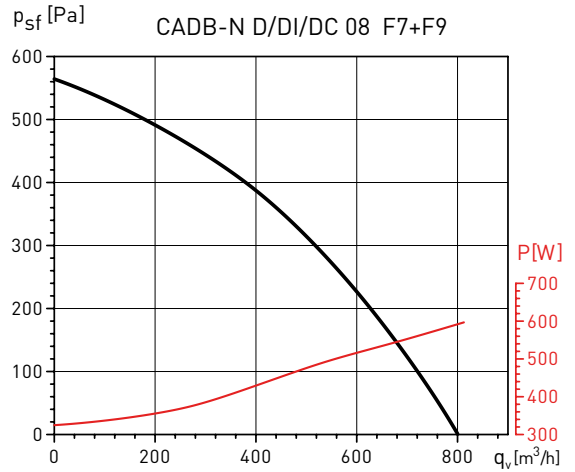
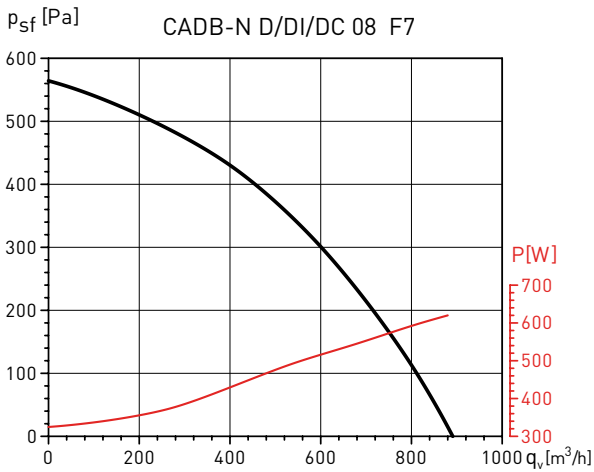
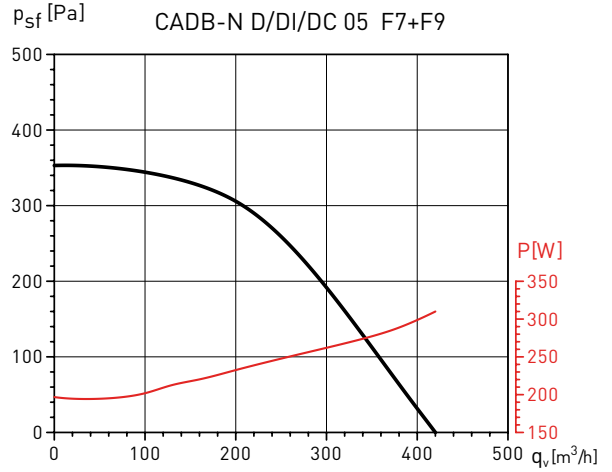
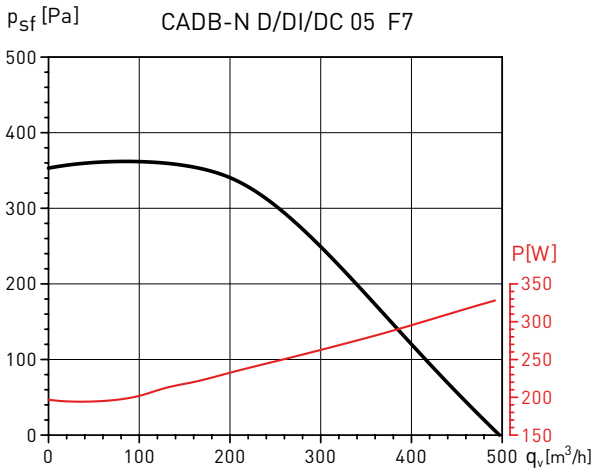


Model	A	B	C	D	E	Ø	Weight (kg)
CADB-N DI/DC 05 V BP	975	650	480	180	178	200	69
CADB-N DI/DC 08 V BP	1150	850	480	180	228	250	96
CADB-N DI/DC 12 V BP	1500	1050	620	250	278	315	156
CADB-N DI/DC 18 V BP	1600	1150	620	250	303	355	178
CADB-N DI/DC 23 V BP	1750	1300	650	265	340	355	220
CADB-N DI/DC 30 V BP	1950	1500	650	265	390	400	269
CADT-N DI/DC 45 V BP	2050	1600	720	300	415	450	306
CADT-N DI/DC 55 V BP	2700	2000	820	325	515	500	508
CADT-N DI/DC 80 V BP	2850	2150	990	410	553	630	646

PERFORMANCE CURVES

- q_v : Airflow in m^3/h .
- p_{sf} : Static pressure in Pa.
- P_{abs} : Absorbed power at maximum speed [W].
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

Additional pressure drop
 Electric heater: all models 10 Pa.
 Hot water coils: 45Pa.

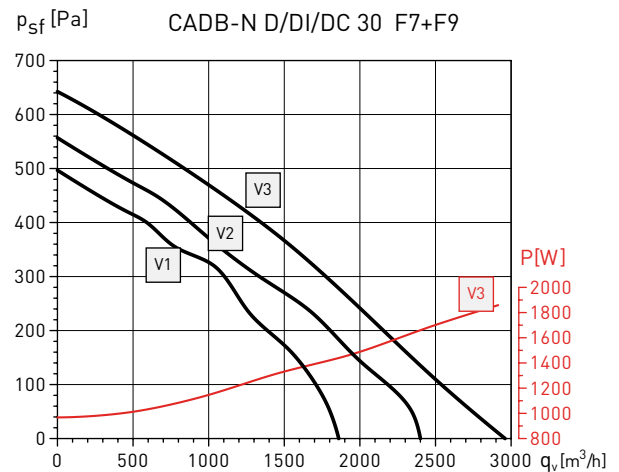
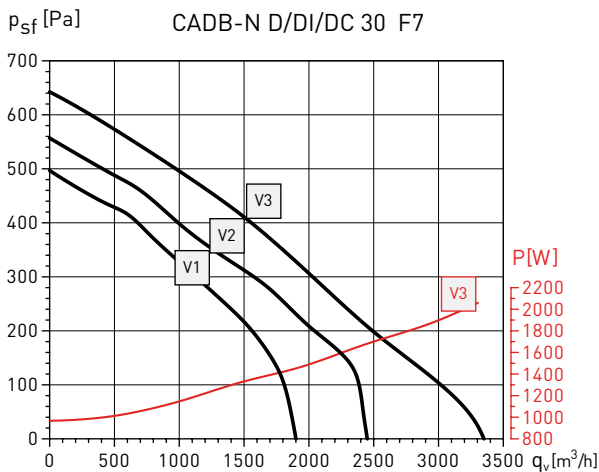
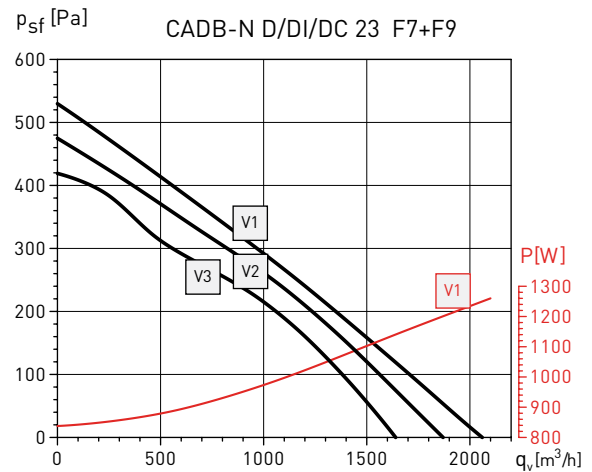
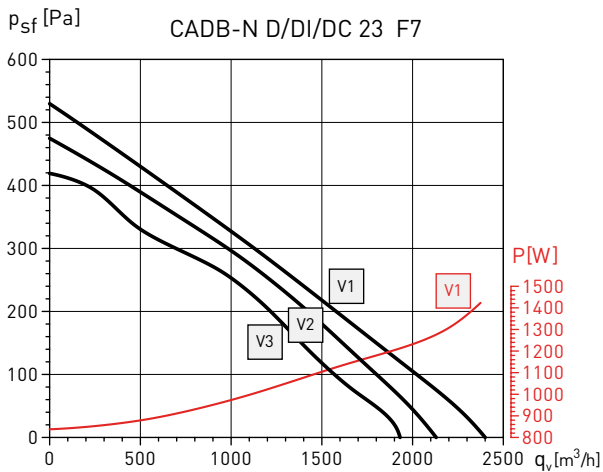
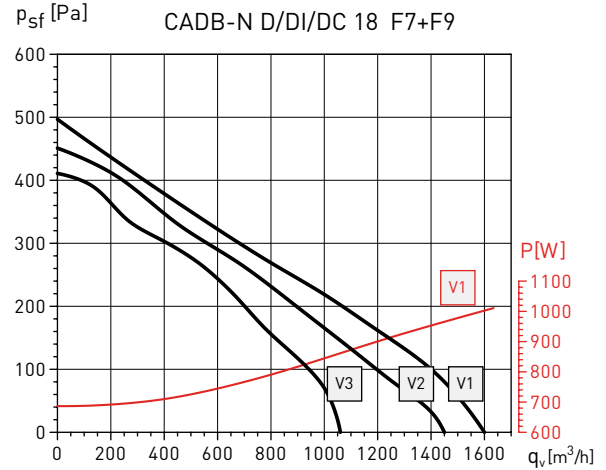
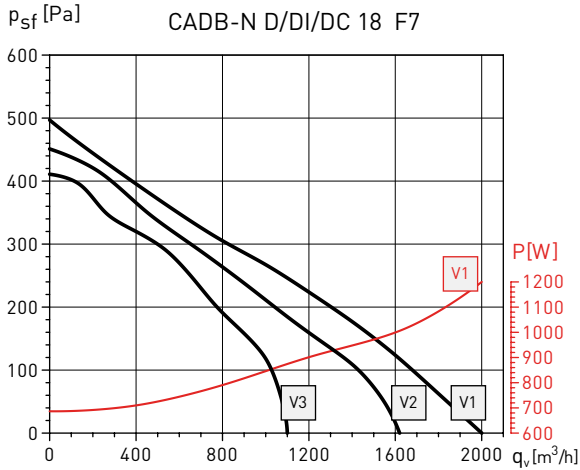


PERFORMANCE CURVES

- q_v : Airflow in m^3/h .
- p_{sf} : Static pressure in Pa.
- P_{abs} : Absorbed power at maximum speed (W).
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

Additional pressure drop

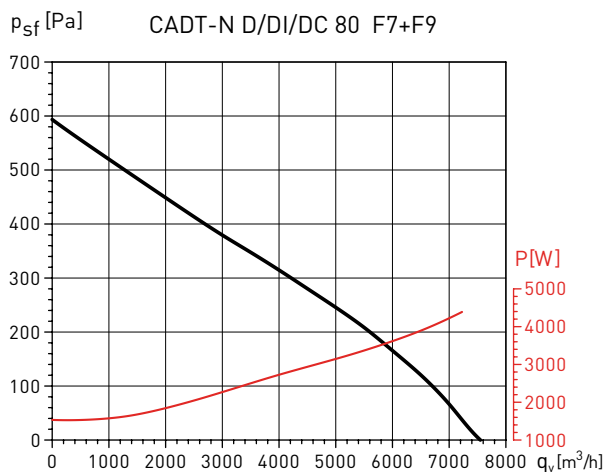
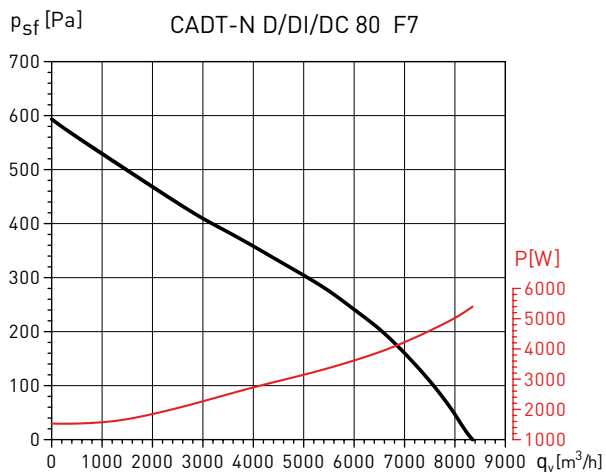
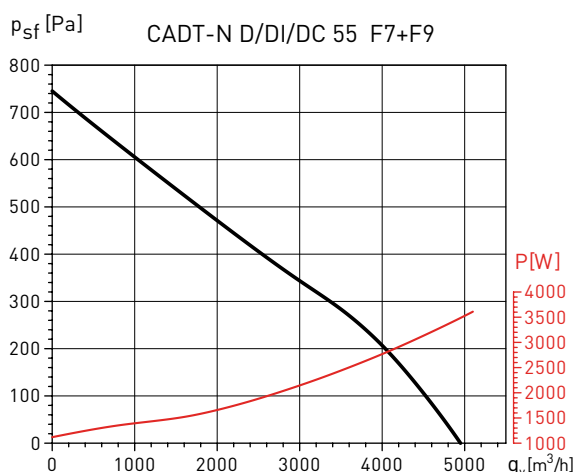
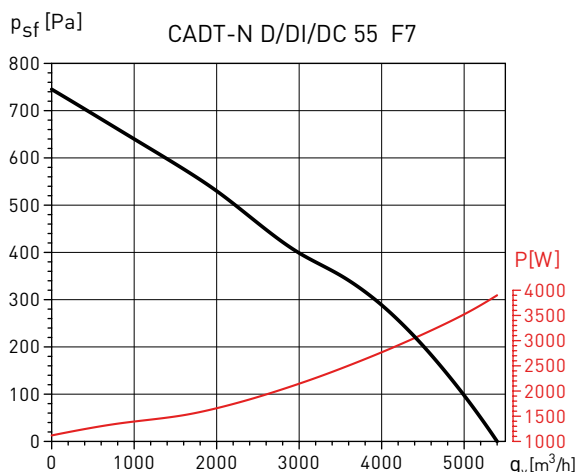
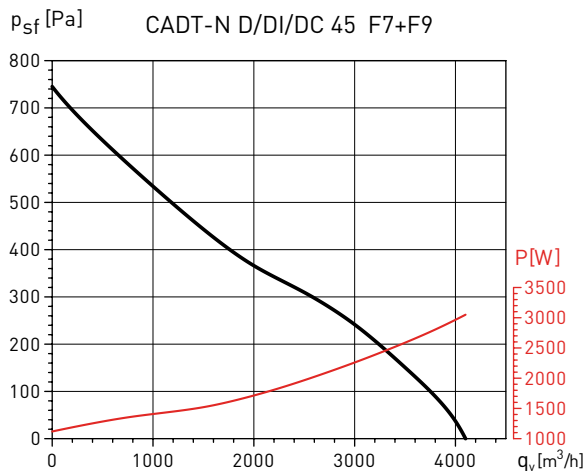
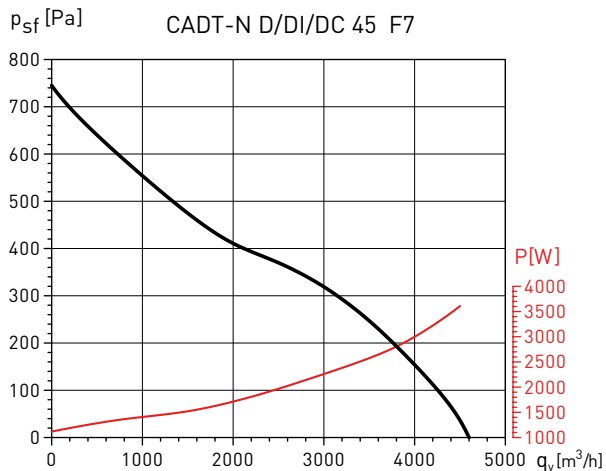
- Electric heater: all models 10 Pa.
- Hot water coils: 45Pa.



PERFORMANCE CURVES

- q_v : Airflow in m^3/h .
- p_{sf} : Static pressure in Pa.
- P_{abs} : Absorbed power at maximum speed [W].
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

Additional pressure drop
 Electric heater: all models 10 Pa.
 Hot water coils: 45Pa.

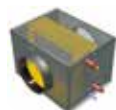


MOUNTING ACCESSORIES

For more information see "Heat recovery accessories" and/or "Mounting accessories".



Model	Ø (mm)	FBL-N Filter box	AFR-N (spare filter for CADB/T-N and FBL-N)				APC Inlet/outlet protection guards	ACOPEL F400 N Circular flexible connector
			AFR-N G4	AFR-N M5	AFR-N F7	AFR-N F9		
CADB-N D/DI/DC 05	200	FBL-N-200	AFR-N-200/05 G4	AFR-N-200/05 M5	AFR-N-200/05 F7	AFR-N-200/05 F9	APC-200	ACOPEL F400-200/160 N
CADB-N D/DI/DC 08	250	FBL-N-250	AFR-N-250/08 G4	AFR-N-250/08 M5	AFR-N-250/08 F7	AFR-N-250/08 F9	APC-250	ACOPEL F400-250/160 N
CADB-N D/DI/DC 12	315	FBL-N-315	AFR-N-315/12 G4	AFR-N-315/12 M5	AFR-N-315/12 F7	AFR-N-315/12 F9	APC-315	ACOPEL F400-315/160 N
CADB-N D/DI/DC 18	355	FBL-N-355/18	AFR-N-355/18 G4	AFR-N-355/18 M5	AFR-N-355/18 F7	AFR-N-355/18 F9	APC-355	ACOPEL F400-355/160 N
CADB-N D/DI/DC 23	355	FBL-N-355/23	AFR-N-355/23 G4	AFR-N-355/23 M5	AFR-N-355/23 F7	AFR-N-355/23 F9	APC-355	ACOPEL F400-355/160 N
CADB-N D/DI/DC 30	400	FBL-N-400	AFR-N-400/30 G4	AFR-N-400/30 M5	AFR-N-400/30 F7	AFR-N-400/30 F9	APC-400	ACOPEL F400-400/160 N
CADT-N D/DI/DC 45	450	FBL-N-450	AFR-N-450/45 G4	AFR-N-450/45 M5	AFR-N-450/45 F7	AFR-N-450/45 F9	APC-450	ACOPEL F400-450/160 N
CADT-N D/DI/DC 55	500	FBL-N-500	AFR-N-500/55 G4	AFR-N-500/55 M5	AFR-N-500/55 F7	AFR-N-500/55 F9	APC-500	ACOPEL F400-500/160 N
CADT-N D/DI/DC 80	630	FBL-N-630	AFR-N-630/80 G4	AFR-N-630/80 M5	AFR-N-630/80 F7	AFR-N-630/80 F9	APC-630	ACOPEL F400-630/160 N



Model	Ø (mm)	SIL Circular sound attenuators	SIFÓN Drain water drainage	Water coils		PWW Mounting kits	
				BA-AF (Cold water)	BA-AC-N (Hot water)	Water temperature (80/60°C)	Water temperature (50/45°C)
CADB-N D/DI/DC 05	200	SIL-200	SIFÓN	BA-AF 200	BA-AC-N 200	PWW-SE1	PWW-SE1
CADB-N D/DI/DC 08	250	SIL-250	SIFÓN	BA-AF 250	BA-AC-N 250		
CADB-N D/DI/DC 12	315	SIL-315	SIFÓN	BA-AF 315	BA-AC-N 315		
CADB-N D/DI/DC 18	355	SIL-355	SIFÓN	BA-AF 355-18	BA-AC-N 355/18		
CADB-N D/DI/DC 23	355	SIL-355	SIFÓN	BA-AF 355-23	BA-AC-N 355/23		
CADB-N D/DI/DC 30	400	SIL-400	SIFÓN	BA-AF 400	BA-AC-N 400	PWW-SE3	-
CADT-N D/DI/DC 45	450	SIL-450	SIFÓN	BA-AF 450	BA-AC-N 450		
CADT-N D/DI/DC 55	500	SIL-500	SIFÓN	BA-AF 500	BA-AC-N 500		
CADT-N D/DI/DC 80	630	SIL-630	SIFÓN	BA-AF 630	BA-AC-N 630		

* Selection of the 3-way valve according to the characteristic chart (see "Electrical accessories").

SPECIFIC MOUNTING ACCESSORIES

TPP-N: Rain protection canopy

TPP-N D-H / TPP-N D-V

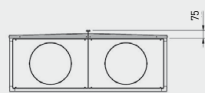
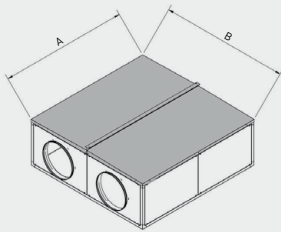
TPP-N DI/DC-H / TPP-N DI/DC-V

Model	Rain protection canopy			
	Horizontal		Vertical	
	Without by-pass	With by-pass	Without by-pass	With by-pass
CADB-N D 05	TPP-N D-H 05	TPP-N D-H 05 BP	TPP-N D-V 05	TPP-N D-V 05 BP
CADB-N D 08	TPP-N D-H 08	TPP-N D-H 08 BP	TPP-N D-V 08	TPP-N D-V 08 BP
CADB-N D 12	TPP-N D-H 12	TPP-N D-H 12 BP	TPP-N D-V 12	TPP-N D-V 12 BP
CADB-N D 18	TPP-N D-H 18	TPP-N D-H 18 BP	TPP-N D-V 18	TPP-N D-V 18 BP
CADB-N D 23	TPP-N D-H 23	TPP-N D-H 23 BP	TPP-N D-V 23	TPP-N D-V 23 BP
CADB-N D 30	TPP-N D-H 30	TPP-N D-H 30 BP	TPP-N D-V 30	TPP-N D-V 30 BP
CADT-N D 45	TPP-N D-H 45	TPP-N D-H 45 BP	TPP-N D-V 45	TPP-N D-V 45 BP
CADT-N D 55	TPP-N D-H 55	TPP-N D-H 55 BP	TPP-N D-V 55	TPP-N D-V 55 BP
CADT-N D 80	TPP-N D-H 80	TPP-N D-H 80 BP	TPP-N D-V 80	TPP-N D-V 80 BP

Model	Rain protection canopy			
	Horizontal		Vertical	
	Without by-pass	With by-pass	Without by-pass	With by-pass
CADB-N DI/DC 05	TPP-N DI/DC-H 05	TPP-N DI/DC-H 05 BP	TPP-N DI/DC-V 05	TPP-N DI/DC-V 05 BP
CADB-N DI/DC 08	TPP-N DI/DC-H 08	TPP-N DI/DC-H 08 BP	TPP-N DI/DC-V 08	TPP-N DI/DC-V 08 BP
CADB-N DI/DC 12	TPP-N DI/DC-H 12	TPP-N DI/DC-H 12 BP	TPP-N DI/DC-V 12	TPP-N DI/DC-V 12 BP
CADB-N DI/DC 18	TPP-N DI/DC-H 18	TPP-N DI/DC-H 18 BP	TPP-N DI/DC-V 18	TPP-N DI/DC-V 18 BP
CADB-N DI/DC 23	TPP-N DI/DC-H 23	TPP-N DI/DC-H 23 BP	TPP-N DI/DC-V 23	TPP-N DI/DC-V 23 BP
CADB-N DI/DC 30	TPP-N DI/DC-H 30	TPP-N DI/DC-H 30 BP	TPP-N DI/DC-V 30	TPP-N DI/DC-V 30 BP
CADT-N DI/DC 45	TPP-N DI/DC-H 45	TPP-N DI/DC-H 45 BP	TPP-N DI/DC-V 45	TPP-N DI/DC-V 45 BP
CADT-N DI/DC 55	TPP-N DI/DC-H 55	TPP-N DI/DC-H 55 BP	TPP-N DI/DC-V 55	TPP-N DI/DC-V 55 BP
CADT-N DI/DC 80	TPP-N DI/DC-H 80	TPP-N DI/DC-H 80 BP	TPP-N DI/DC-V 80	TPP-N DI/DC-V 80 BP

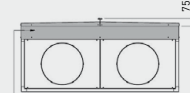
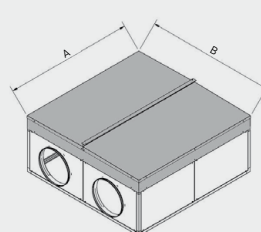
HORIZONTAL

CADB/T-N D WITHOUT BY-PASS



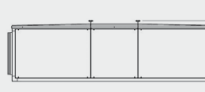
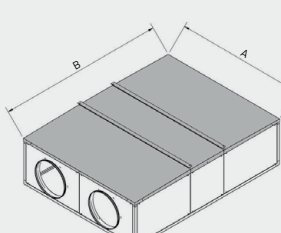
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CADB-N D 08	853	853
CADB-N D 12	1053	1053
CADB-N D 18	1153	1153
CADB-N D 23	1303	1303
CADB-N D 30	1503	1503
CADT-N D 45	1603	1603
CADT-N D 55	2003	2003
CADT-N D 80	2153	2153

CADB/T-N D WITH BY-PASS



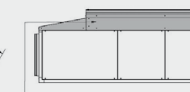
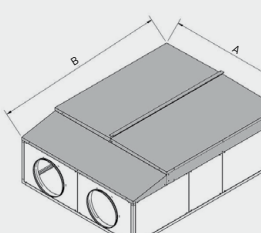
Model	A	B
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CADB-N D 08	853	853
CADB-N D 12	1053	1053
CADB-N D 18	1153	1153
CADB-N D 23	1303	1303
CADB-N D 30	1503	1503
CADT-N D 45	1603	1603
CADT-N D 55	2003	2003
CADT-N D 80	2153	2153

CADB/T-N DI/DC WITHOUT BY-PASS



Model	A	B
CADB-N DI/DC 05	653	978
CADB-N DI/DC 08	853	1153
CADB-N DI/DC 12	1053	1503
CADB-N DI/DC 18	1153	1603
CADB-N DI/DC 23	1303	1753
CADB-N DI/DC 30	1503	1953
CADT-N DI/DC 45	1603	2053
CADT-N DI/DC 55	2003	2703
CADT-N DI/DC 80	2153	2853

CADB/T-N DI/DC WITH BY-PASS



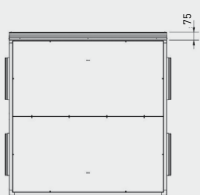
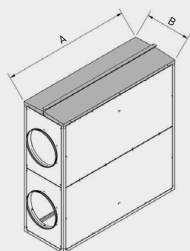
Model	A	B
CADB-N DI/DC 05	653	978
CADB-N DI/DC 08	853	1153
CADB-N DI/DC 12	1053	1503
CADB-N DI/DC 18	1153	1603
CADB-N DI/DC 23	1303	1753
CADB-N DI/DC 30	1503	1953
CADT-N DI/DC 45	1603	2053
CADT-N DI/DC 55	2003	2703
CADT-N DI/DC 80	2153	2853

SPECIFIC MOUNTING ACCESSORIES

TPP-N: Rain protection canopy

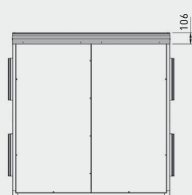
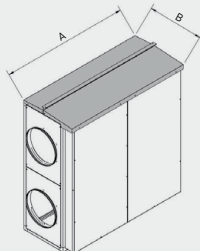
VERTICAL

CADB/T-N D WITHOUT BY-PASS



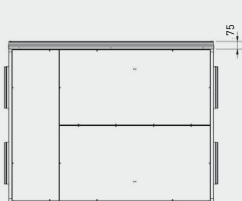
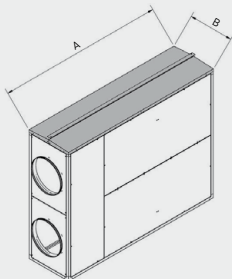
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CADB-N D 08	853	365
CADB-N D 12	1053	505
CADB-N D 18	1153	505
CADB-N D 23	1303	535
CADB-N D 30	1503	535
CADT-N D 45	1603	605
CADT-N D 55	2003	655
CADT-N D 80	2153	825

CADB/T-N D WITH BY-PASS



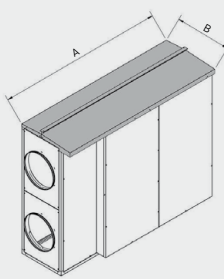
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CADB-N D 08	853	455
CADB-N D 12	1053	595
CADB-N D 18	1153	595
CADB-N D 23	1303	625
CADB-N D 30	1503	625
CADT-N D 45	1603	695
CADT-N D 55	2003	795
CADT-N D 80	2153	965

CADB/T-N DI/DC WITHOUT BY-PASS



Model	A	B
CADB-N DI/DC 05	978	365
CADB-N DI/DC 08	1153	365
CADB-N DI/DC 12	1503	505
CADB-N DI/DC 18	1603	505
CADB-N DI/DC 23	1753	535
CADB-N DI/DC 30	1953	535
CADT-N DI/DC 45	2053	605
CADT-N DI/DC 55	2703	655
CADT-N DI/DC 80	2853	825

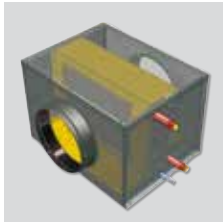
CADB/T-N DI/DC WITH BY-PASS



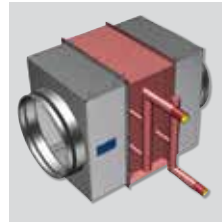
Model	A	B
CADB-N DI/DC 05	978	455
CADB-N DI/DC 08	1153	455
CADB-N DI/DC 12	1503	595
CADB-N DI/DC 18	1603	595
CADB-N DI/DC 23	1753	625
CADB-N DI/DC 30	1953	625
CADT-N DI/DC 45	2053	695
CADT-N DI/DC 55	2703	795
CADT-N DI/DC 80	2853	965

AIR TRAITMENT ACCESSORIES

For more information see "Heat recovery accessories".



BA-AF
Cold water coil.



BA-AC-N
Hot water coil.



FBL-N
Filter box in galvanized steel for inserting the AFR-N filters with capacity for a maximum of 2 filters.

Filter box	Filters*			
FBL-N	AFR-N G4	AFR-N M5	AFR-N F7	AFR-N F9
FBL-N-200	AFR-N-200/05 G4	AFR-N-200/05 M5	AFR-N-200/05 F7	AFR-N-200/05 F9
FBL-N-250	AFR-N-250/08 G4	AFR-N-250/08 M5	AFR-N-250/08 F7	AFR-N-250/08 F9
FBL-N-315	AFR-N-315/12 G4	AFR-N-315/12 M5	AFR-N-315/12 F7	AFR-N-315/12 F9
FBL-N-355/18	AFR-N-355/18 G4	AFR-N-355/18 M5	AFR-N-355/18 F7	AFR-N-355/18 F9
FBL-N-355/23	AFR-N-355/23 G4	AFR-N-355/23 M5	AFR-N-355/23 F7	AFR-N-355/23 F9
FBL-N-400	AFR-N-400/30 G4	AFR-N-400/30 M5	AFR-N-400/30 F7	AFR-N-400/30 F9
FBL-N-450	AFR-N-450/45 G4	AFR-N-450/45 M5	AFR-N-450/45 F7	AFR-N-450/45 F9
FBL-N-500	AFR-N-500/55 G4	AFR-N-500/55 M5	AFR-N-500/55 F7	AFR-N-500/55 F9
FBL-N-630	AFR-N-630/80 G4	AFR-N-630/80 M5	AFR-N-630/80 F7	AFR-N-630/80 F9

* Maximum working temperature: 70°C. Maximum pressure lost: 250Pa.



CONTROL AERO-REG
Specific accessory to control the heat recovery units without additional incorporated heater equipped with single-phase motor (models CADB-N-D 05 to 30).
Not suitable for controlling the heat recovery units with built-in electric heater or heat recovery units with built-in hot water coil.
Supplied as an accessory (wiring and installation not included).

Functions:

- On / off of recovery.
- Regulation manual / automatic fan speed.
- Detection of fouling of filters (it is necessary to install two switches DPS 2.30, not included with the supply of control).
- Detection of damage to the fans (it is necessary to install two switches DPS 2.30, not included with the supply of control).
- Modbus communication.

Operation:

- Manual potentiometer: fan speed manual control using the potentiometer located at the top.
- Proportional with entry analog. fan speed control using an external probe CO₂ (accessory) humidity and temperature (0-10V / 4-20mA).
- Proportional Integral PI: pressure control or constant airflow through a differential pressure transmitter TDP-D (accessory) (0-10V / 4-20mA).

Model	Electrical supply	Maximum current (A)	Motors output voltage	IP Protection	Operating temperature range	Dimensions LxWxH (mm)
Control AERO-REG	230 VAC	11	110 to 230VAC	IP 55	-10°C to +50°C	175x250x120



PROSYS CADB-N
Remote controls one or more AERO-REG.
- Monitoring the operational parameters of each heat recovery unit of the network. Easy heat recovery configuration.
- A single remote control allows adjustment up to 16 heat recovery units connected in the network.



COM-3
3 speed switch commutator for motors 230V-1-50Hz.
Maximum current: 16A.
Dimensions (LxWxH): 48x48x94 mm.

ELECTRICAL ACCESSORIES

Required control elements for regulating the fan speed.

For more information see "Heat recovery accessories" and/or "Electrical accessories".



Model	Accessories for variable airflow by CO ₂		Accessories for operation Constant Pressure		Accessories for manual speed control			
	Controller	Sensor	Controller	Sensor	3 speed switch	Electronic speed control	Autotransformer	Variable frequency inverter
CADB-N D 05	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	-	REB-5	RMB-3,5	-
CADB-N D 08	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	-	REB-5	RMB-3,5	-
CADB-N D 12	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	COM-3	REB-10	RMB-8	-
CADB-N D 18	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	COM-3	REB-10	RMB-8	-
CADB-N D 23	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	COM-3	REB-10	RMB-10	-
CADB-N D 30	CONTROL AERO-REG	SC02-A/SC02-AD/ SC02-G	CONTROL AERO-REG	TDP-D	COM-3	REB-10	RMB-10	-
CADT-N D 45	VFTM TRI 4	SC02-A/SC02-AD/ SC02-G	VFTM TRI 4	TDP-S/TDP-D	-	-	-	VFTM TRI 4
CADT-N D 55	VFTM TRI 4	SC02-A/SC02-AD/ SC02-G	VFTM TRI 4	TDP-S/TDP-D	-	-	-	VFTM TRI 4
CADT-N D 80	VFTM TRI 5,5	SC02-A/SC02-AD/ SC02-G	VFTM TRI 5,5	TDP-S/TDP-D	-	-	-	VFTM TRI 5,5

Heat recovery units CADB/T-N DI

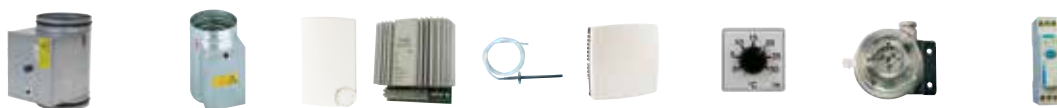
Required control elements for managing the operation of the built-in electrical heater.

Model	Supply	Power (kW)	Steps	Controller	Temperature sensor		External potentiometer	Pressure switch	Timer*
					Duct sensor	Room sensor			
CADB-N DI 05	Single phase 230V	2	1	Pulser	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N DI 08	Single phase 230V	3,5	2	Pulser	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N DI 12	Single phase 230V	3,5	2	Pulser	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N DI 18	Two phase 400V	6	2	Pulser	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N DI 23	Two phase 400V	6	2	Pulser	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N DI 30	Three phase 400V	9	2	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N DI 45	Three phase 400V	10,5	2	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N DI 55	Three phase 400V	12	2	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N DI 80	Three phase 400V	18	2	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1

* The timer has to be installed directly on the supply of the fan.

HEAT RECOVERY UNITS WITH ADDITIONAL EXTERNAL ELECTRIC HEATER AND ACCESSORIES

For more information see "Heating range" and/or "Electrical accessories".



Model	Connection diameter (mm)	Electric heater with built-in control	Electric heater without built-in control	Controller	Duct sensor	Room sensor	External potentiometer	Pressure switch	Timer with set point between 1 second and 100 hours
CADB-N 05	200	MBE-200/20T-R	MBE-200/20T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N 08	250	MBE-250/30T-R	MBE-250/30T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N 12	315	MBE-315/30T-R	MBE-315/30T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N 18	355	MBE-355/60T-R	MBE-355/60T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N 23	355	MBE-355/60T-R	MBE-355/60T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADB-N 30	400	MBE-400/60T-R	MBE-400/60T	PULSER	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N 45	450	MBE-450/150T-R	MBE-450/150T	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N 55	500	MBE-500/150T-R	MBE-500/150T	TTC-25	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1
CADT-N 80	630	-	-	-	TG-K330	TG-R530	TBI-30	DPS 2.30	MCR-1