

TECHNICAL CHARACTERISTICS

Models without heater

Model	Maximum airflow (m³/h)	Motor power (kW)	Electrical supply	Speed (rpm)	Maximum absorbed current*** (A)	Protection (IP)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))		
								Inlet	Outlet	Radiated
CADB-N D 05 TERMO-REG	500	2 x 0,29	230V/1F/50Hz	2880	2,9	IP44	53	43	55	38
CADB-N D 08 TERMO-REG	890	2 x 0,3	230V/1F/50Hz	2880	3,0	IP44	50	43	55	38
CADB-N D 12 TERMO-REG	1.420	2 x 0,373	230V/1F/50Hz	1357	6,0	IP20	50	55	66	49
CADB-N D 18 TERMO-REG	2.000	2 x 0,373	230V/1F/50Hz	1357	6,0	IP20	50	55,5	66,5	49,5
CADB-N D 23 TERMO-REG	2.400	2 x 0,55	230V/1F/50Hz	1324	9,7	IP20	60	56	67	50
CADB-N D 30 TERMO-REG	3.350	2 x 0,55	230V/1F/50Hz	1251	9,7	IP20	58	56,5	67,5	50
CADT-N D 45 TERMO-REG	4.600	2 x 1,5	400V/3F+N/50Hz	1462	13,4	IP44	56	58	70	53
CADT-N D 55 TERMO-REG	5.400	2 x 1,5	400V/3F+N/50Hz	1462	13,4	IP44	52	59	71	54
CADT-N D 80 TERMO-REG	8.350	2 x 2,2	400V/3F+N/50Hz	913	11,8	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.

*** Total of heat recovery unit (both fans)

Models with built in electric heater

Model	Max.airflow (m³/h)	Motor power (kW)	Electrical supply	Speed (rpm)	Maximum absorbed current*** (A)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))			Power electric heater (kW)
							Inlet	Outlet	Radiated	
CADB-N DI 05 TERMO-REG	500	2 x 0,29	230V/1F/50Hz	2880	12	53	43	55	38	2
CADB-N DI 08 TERMO-REG	890	2 x 0,3	230V/1F/50Hz	2880	19	50	43	55	38	3,5
CADB-N DI 12 TERMO-REG	1.420	2 x 0,373	230V/1F/50Hz	1357	22	50	55	66	49	3,5
CADB-N DI 18 TERMO-REG	2.000	2 x 0,373	400V/3F+N/50Hz	1357	15,3	50	55,5	66,5	49,5	6
CADB-N DI 23 TERMO-REG	2.400	2 x 0,55	400V/3F+N/50Hz	1324	18,9	60	56	67	50	6
CADB-N DI 30 TERMO-REG	3.350	2 x 0,55	400V/3F+N/50Hz	1251	23,4	58	56,5	67,5	50	9
CADT-N DI 45 TERMO-REG	4.600	2 x 1,5	400V/3F+N/50Hz	1462	29,4	56	58	70	53	10,5
CADT-N DI 55 TERMO-REG	5.400	2 x 1,5	400V/3F+N/50Hz	1462	31,8	52	59	71	54	12
CADT-N DI 80 TERMO-REG	8.350	2 x 2,2	400V/3F+N/50Hz	913	39,2	56	61	72	75	18

* 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.

*** Total of heat recovery (both fans+ resistances at maximum power)

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

Model	Maximum airflow (m³/h)	Motor power (kW)	Electrical supply	Speed (rpm)	Maximum absorbed current*** (A)	Efficiency* (%)	Sound pressure level at 3m** (dB(A))			Thermal performance* (kW) 80/60°C	Water flow* (l/s)	Pressure drop water* (kPa)
							Inlet	Outlet	Radiated			
CADB-N DC 05 TERMO-REG	500	2 x 0,29	230V/1F/50Hz	2880	2,9	53	43	55	38	2,7	0,032	0,51
CADB-N DC 08 TERMO-REG	890	2 x 0,3	230V/1F/50Hz	2880	3,0	50	43	55	38	5,9	0,071	3,42
CADB-N DC 12 TERMO-REG	1.420	2 x 0,373	230V/1F/50Hz	1357	6,0	50	55	66	49	8,9	0,106	3,76
CADB-N DC 18 TERMO-REG	2.000	2 x 0,373	230V/1F/50Hz	1357	6,0	50	55,5	66,5	49,5	13,6	0,162	5
CADB-N DC 23 TERMO-REG	2.400	2 x 0,55	230V/1F/50Hz	1324	9,7	60	56	67	50	16,6	0,199	3,55
CADB-N DC 30 TERMO-REG	3.350	2 x 0,55	230V/1F/50Hz	1251	9,7	58	56,5	67,5	50	21,2	0,254	4,77
CADT-N DC 45 TERMO-REG	4.600	2 x 1,5	400V/3F+N/50Hz	1462	13,4	56	58	70	53	30,5	0,365	4,97
CADT-N DC 55 TERMO-REG	5.400	2 x 1,5	400V/3F+N/50Hz	1462	13,4	52	59	71	54	38,1	0,455	6,97
CADT-N DC 80 TERMO-REG	8.350	2 x 2,2	400V/3F+N/50Hz	913	11,8	56	61	72	75	55,3	0,661	4,71

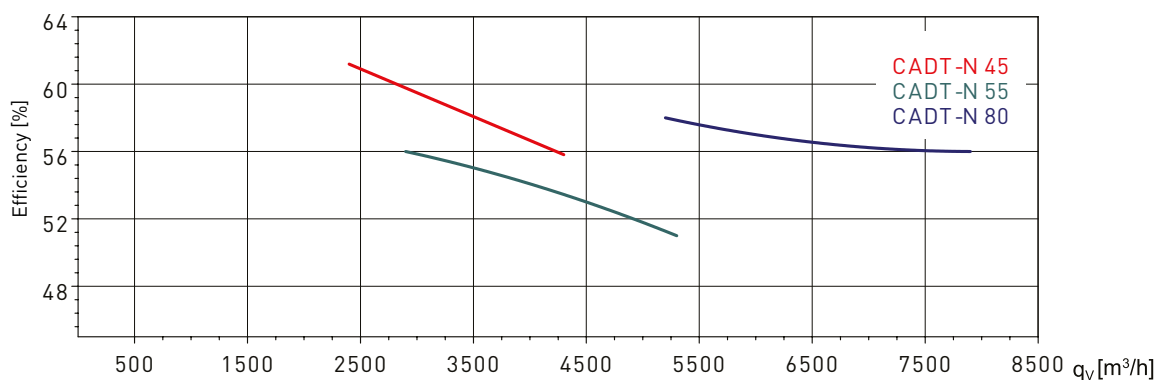
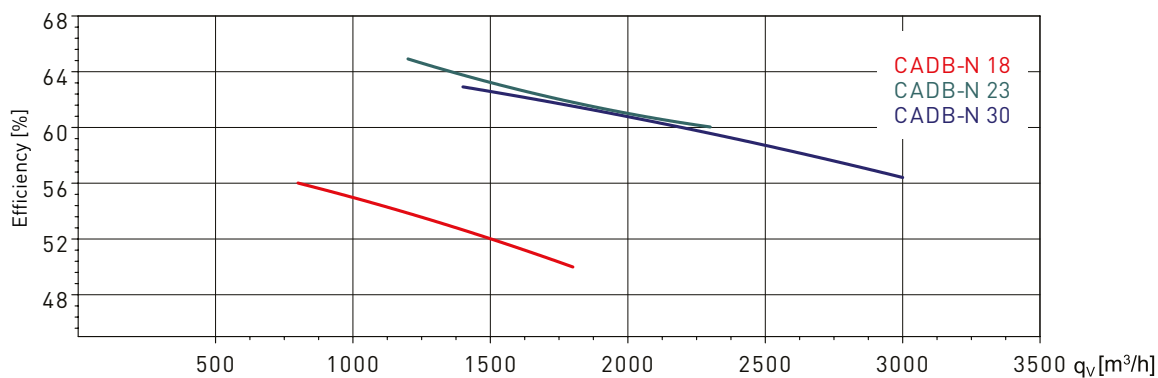
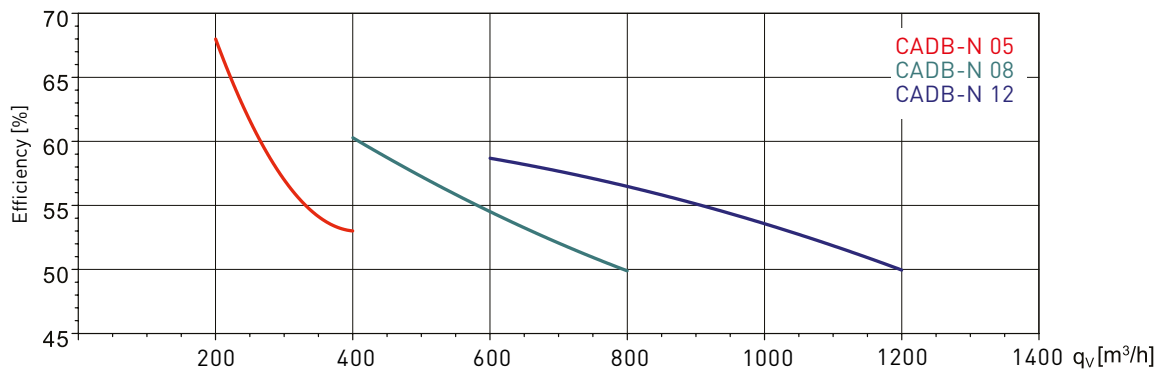
* Values referring to the following conditions: Outdoor temperature -5°C, Indoor temperature +20°C and RH 50% / max. airflow. Water inlet/outlet temperature=80°C/60°C.

** Sound pressure level in free field conditions.

*** Total of heat recovery unit (both fans)

RECOVERY EFFICIENCY ACCORDING TO THE AIRFLOW

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

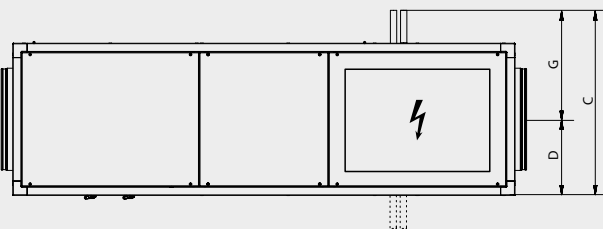
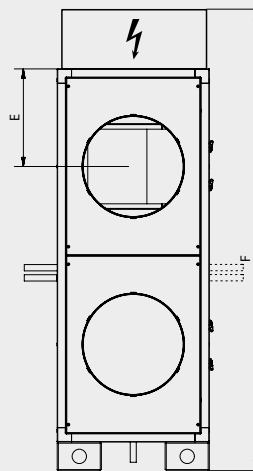
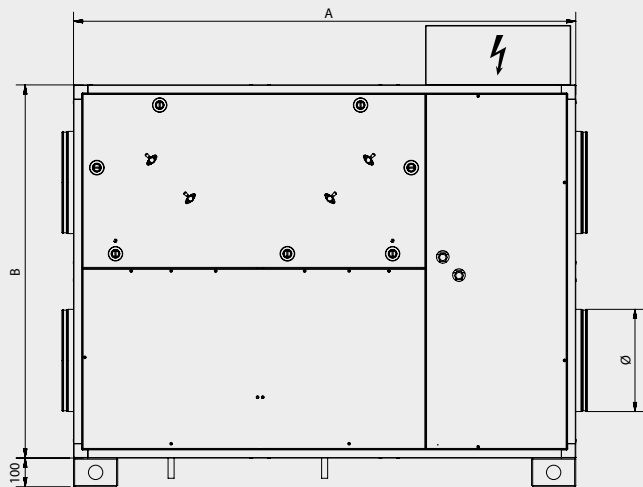


RECOVERY EFFICIENCY IN DEPENDENCE OF THE OUTDOOR TEMPERATURES

Model	Airflow m³/h	Indoor temperature		Outdoor temperature		Supply air temperature °C	Min. efficiency %	Thermal performance kW			
		°C	H.R. %	°C	H.R. %						
CADB-D-N 05 TERMO-REG	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			
				-10	80	8	60	3,1			
				-5	80	9	58	2,5			
			60	0	70	11	56	1,9			
				5	60	13	56	1,4			
				-10	80	5	52	4,8			
CADB-D-N 08 TERMO-REG	900	20	50	-5	80	8	50	3,8			
				0	70	10	50	3,0			
				5	60	13	53	2,3			
				-10	80	7	55	5,1			
				-5	80	9	55	4,1			
				0	70	11	53	3,1			
			60	5	60	13	53	2,3			
				-10	80	6	52	7,1			
				-5	80	8	50	7,6			
CADB-D-N 12 TERMO-REG	1200	20	50	0	70	10	50	4,4			
				5	60	13	53	3,4			
				-10	80	7	55	7,6			
				-5	80	9	55	6,1			
				0	70	11	53	4,6			
				5	60	13	53	3,4			
			60	-10	80	5	51	10,3			
				-5	80	7	50	8,2			
				0	70	10	50	6,5			
CADB-D-N 18 TERMO-REG	1900	20	50	5	60	13	52	5,0			
				-10	80	6	55	11,0			
				-5	80	9	54	8,9			
				0	70	11	53	6,8			
				5	60	13	52	5,0			
				-10	80	8	62	15,9			
			CADB-D-N 23 TERMO-REG	2300	20	50	-5	80	10	60	12,7
							0	70	12	59	9,7
							5	60	14	59	7,2
-10	80	10					66	17,0			
-5	80	11					64	13,6			
0	70	13					63	10,4			
60	5	60				14	61	7,5			
	-10	80				8	59	19,8			
	-5	80				9	58	15,8			
CADB-D-N 30 TERMO-REG	3300	20	50	0	70	11	56	12,2			
				5	60	13	57	9,0			
				-10	80	9	63	21,3			
				-5	80	10	62	17,0			
				0	70	12	60	12,9			
				5	60	14	59	9,3			
			60	-10	80	7	58	28,7			
				-5	80	9	56	22,8			
				0	70	11	55	17,6			
CADT-D-N 45 TERMO-REG	4400	20	50	5	60	13	55	13,0			
				-10	80	9	62	30,7			
				-5	80	10	60	24,6			
				0	70	12	59	18,7			
				5	60	14	57	13,5			
				-10	80	6	53	31,5			
			CADT-D-N 55 TERMO-REG	5200	20	50	-5	80	8	52	25,1
							0	70	10	51	19,2
							5	60	13	51	14,2
-10	80	7					57	33,9			
-5	80	9					56	27,0			
0	70	11					54	20,6			
60	5	60				13	53	14,8			
	-10	80				7	56	50,8			
	-5	80				9	56	41,5			
CADT-D-N 80 TERMO-REG	8000	20	50	0	70	11	55	31,7			
				5	60	14	57	24,4			
				-10	80	8	60	54,1			
				-5	80	10	60	44,2			
				0	70	12	59	34,3			
				5	60	14	57	24,4			
			60	-10	80	7	56	50,8			
				-5	80	9	56	41,5			
				0	70	11	55	31,7			

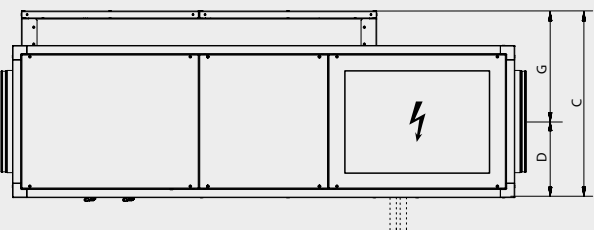
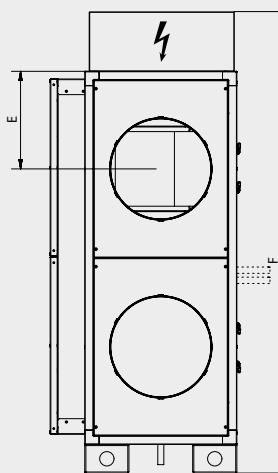
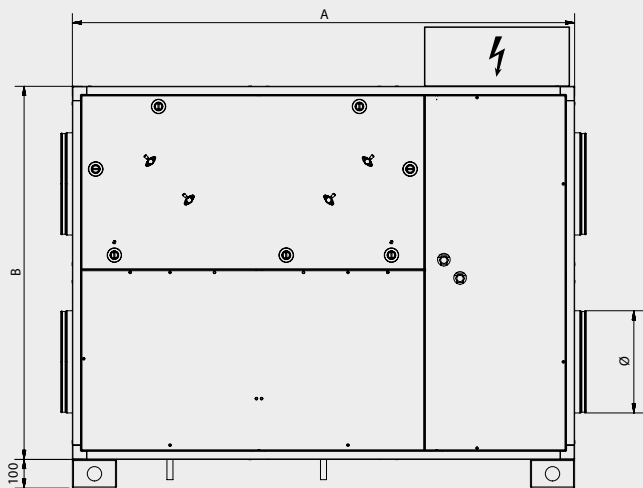
DIMENSIONS (mm)

VERSION DI and DC - Vertical configuration (V) - Without by-pass (BP)
 Models 05 to 23



Model	A	B	C	D	E	F	G	Ø	Weight (kg)
CADB-N DI/DC 05 V TERMO-REG	975	650	480	180	178	910	300	200	67
CADB-N DI/DC 08 V TERMO-REG	1150	850	480	180	228	850	300	250	93
CADB-N DI/DC 12 V TERMO-REG	1500	1050	620	250	278	1050	370	315	152
CADB-N DI/DC 18 V TERMO-REG	1600	1150	620	250	303	1150	370	355	174
CADB-N DI/DC 23 V TERMO-REG	1750	1300	650	265	340	1300	385	355	215

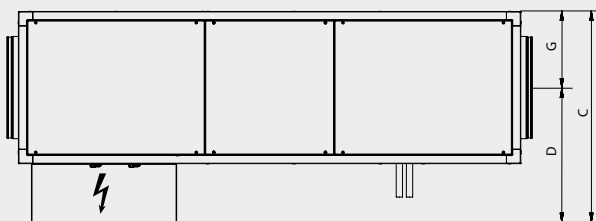
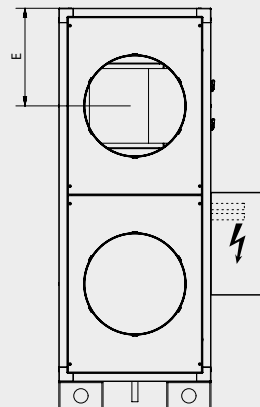
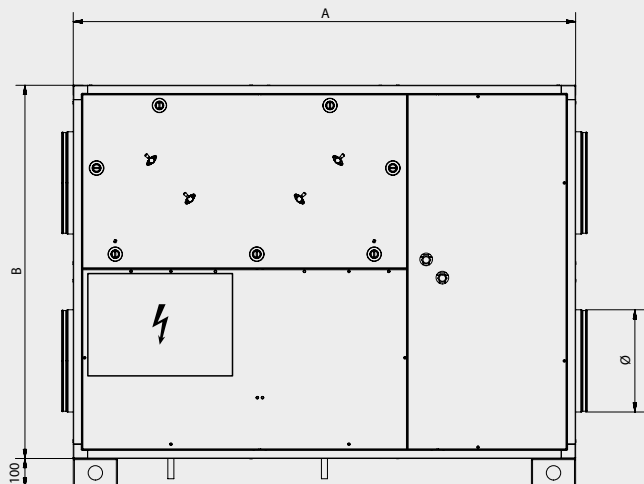
VERSION DI and DC - Vertical configuration (V) - With by-pass (BP)
 Models 05 to 23



Model	A	B	C	D	E	F	G	Ø	Weight (kg)
CADB-N DI/DC 05 V BP TERMO-REG	975	650	480	180	178	910	300	200	69
CADB-N DI/DC 08 V BP TERMO-REG	1150	850	480	180	228	850	300	250	96
CADB-N DI/DC 12 V BP TERMO-REG	1500	1050	620	250	278	1050	370	315	156
CADB-N DI/DC 18 V BP TERMO-REG	1600	1150	620	250	303	1150	370	355	178
CADB-N DI/DC 23 V BP TERMO-REG	1750	1300	650	265	340	1300	385	355	220

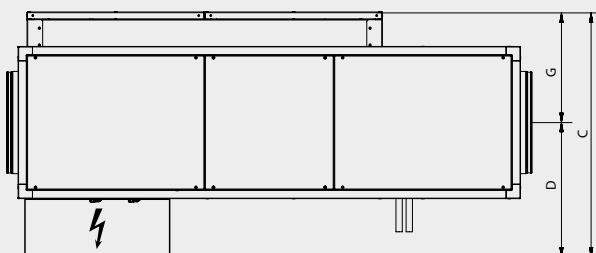
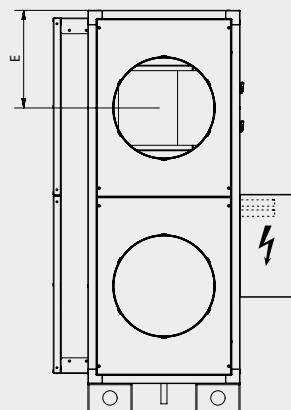
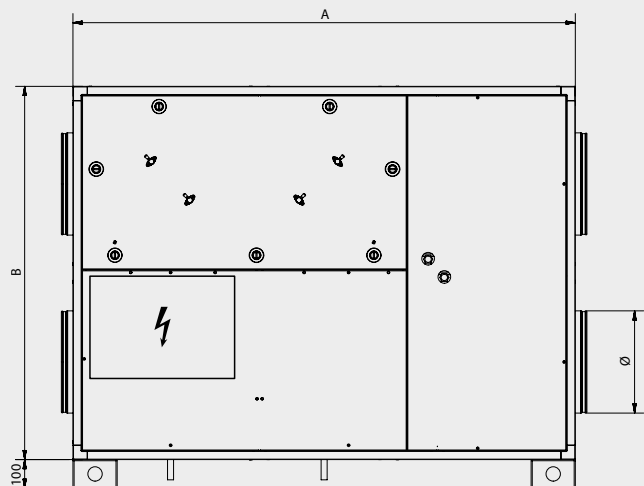
DIMENSIONS (mm)

VERSION DI and DC - Vertical configuration (V) - Without by-pass (BP)
 Models 30 to 80



Model	A	B	C	D	E	G	Ø	Weight (kg)
CADB-N DI/DC 30 V TERMO-REG	1950	1500	690	425	390	265	400	262
CADT-N DI/DC 45 V TERMO-REG	2050	1600	860	560	415	300	450	298
CADT-N DI/DC 55 V TERMO-REG	2700	2000	910	585	515	325	500	496
CADT-N DI/DC 80 V TERMO-REG	2850	2150	1080	670	553	410	630	633

VERSION DI and DC - Vertical configuration (V) - With by-pass (BP)
 Models 30 to 80



Model	A	B	C	D	E	G	Ø	Weight (kg)
CADB-N DI/DC 30 V BP TERMO-REG	1950	1500	810	425	390	385	400	269
CADT-N DI/DC 45 V BP TERMO-REG	2050	1600	980	560	415	420	450	306
CADT-N DI/DC 55 V BP TERMO-REG	2700	2000	1080	585	515	495	500	508
CADT-N DI/DC 80 V BP TERMO-REG	2850	2150	1250	670	553	580	630	646