

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

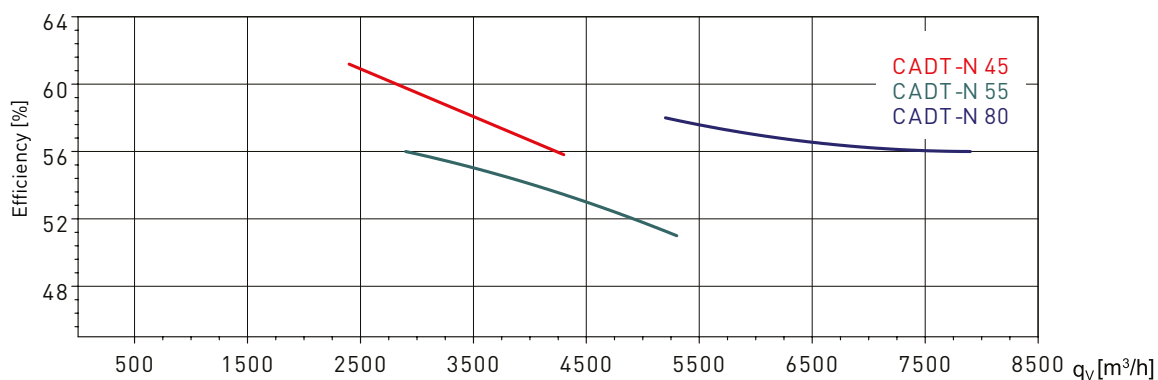
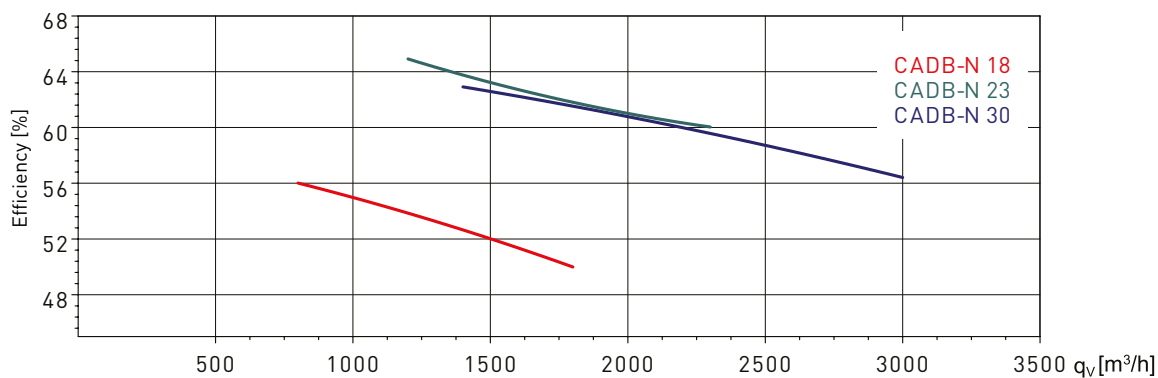
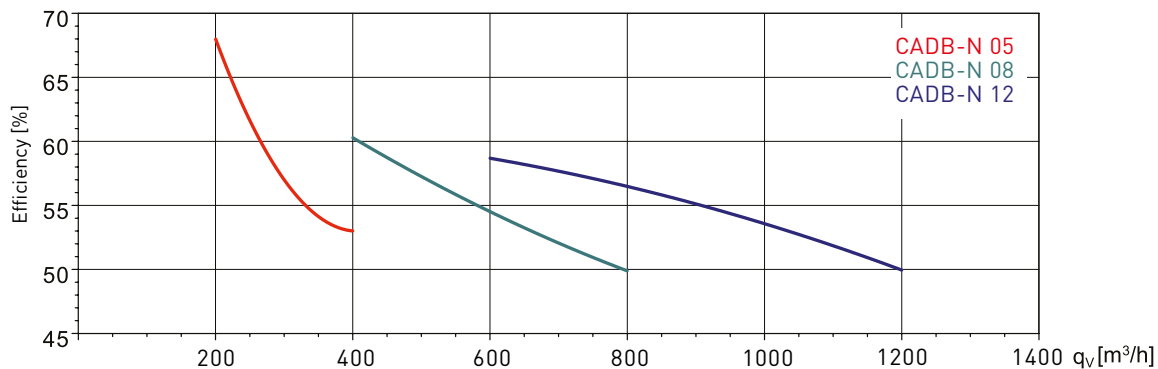
* Values referring to the following conditions: Outdoor temperature -5°C, Indoor temperature +20°C and RH 50% / max. airflow. Water inlet/outlet temperature=80°C/60°C.

** 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%.

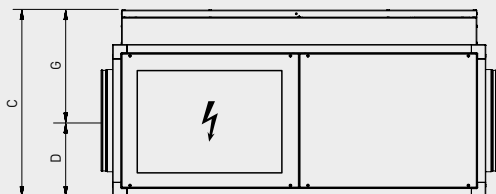
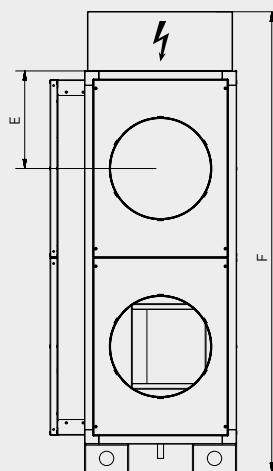
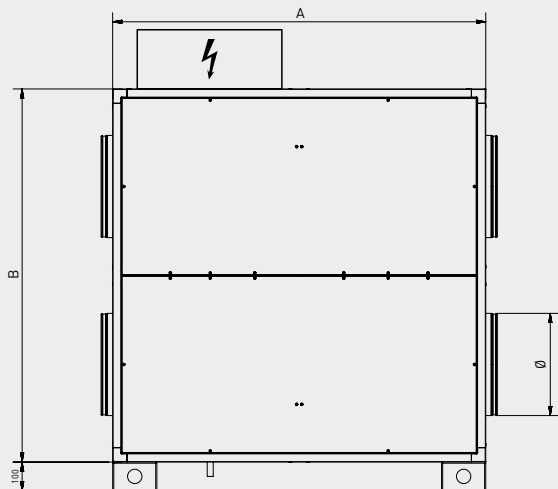


RECOVERY EFFICIENCY IN DEPENDENCE OF THE OUTDOOR TEMPERATURES

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
			60	-5	80	10	60	12,7
				0	70	12	59	9,7
				5	60	14	59	7,2
CADB-D-N 23 TERMO-REG	2300	20	50	-10	80	10	66	17,0
				-5	80	11	64	13,6
				0	70	13	63	10,4
				5	60	14	61	7,5
				-10	80	8	59	19,8
				-5	80	9	58	15,8
			60	0	70	11	56	12,2
				5	60	13	57	9,0
				-10	80	9	63	21,3
CADB-D-N 30 TERMO-REG	3300	20	50	-5	80	10	62	17,0
				0	70	12	60	12,9
				5	60	14	59	9,3
				-10	80	7	58	28,7
				-5	80	9	56	22,8
				0	70	11	55	17,6
			60	5	60	13	55	13,0
				-10	80	9	62	30,7
				-5	80	10	60	24,6
CADT-D-N 45 TERMO-REG	4400	20	50	0	70	12	59	18,7
				5	60	14	57	13,5
				-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
CADT-D-N 55 TERMO-REG	5200	20	50	5	60	13	53	14,8
				-10	80	7	56	50,8
				-5	80	9	56	41,5
				0	70	11	55	31,7
				5	60	14	57	24,4
				-10	80	8	60	54,1
			60	-5	80	10	60	44,2
				0	70	12	59	34,3
				5	60	14	57	24,4
CADT-D-N 80 TERMO-REG	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
				-10	80	8	60	54,1
				-5	80	10	60	44,2
			60	0	70	12	59	34,3
				5	60	14	57	24,4

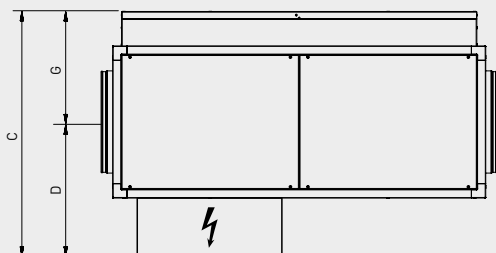
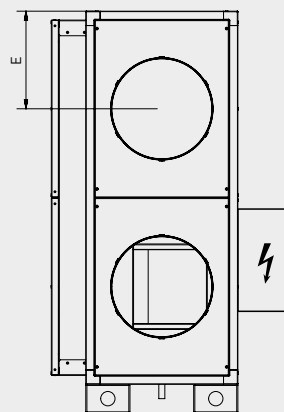
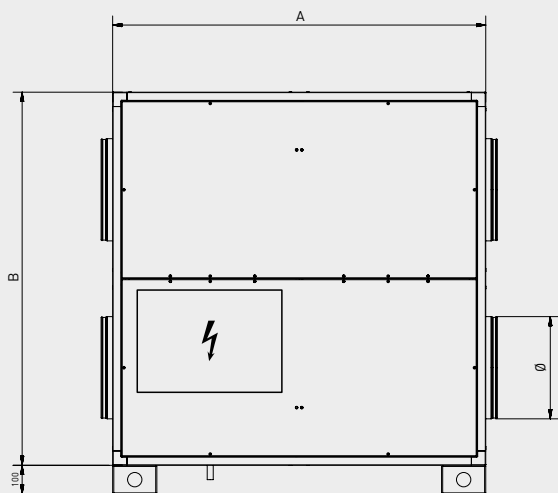
DIMENSIONS (mm)

VERSION D - Vertical configuration (V) - With by-pass (BP)
 Models 05 to 23



Model	A	B	C	D	E	F	G	Ø	Weight (kg)
CADB-N D 05 V BP TERMO-REG	650	650	480	180	178	910	300	200	60
CADB-N D 08 V BP TERMO-REG	850	850	480	180	228	850	300	250	87
CADB-N D 12 V BP TERMO-REG	1050	1050	620	250	278	1050	370	315	145
CADB-N D 18 V BP TERMO-REG	1150	1150	620	250	303	1150	370	355	167
CADB-N D 23 V BP TERMO-REG	1300	1300	650	265	340	1300	385	355	208

VERSION D - Vertical configuration (V) - With by-pass (BP)
 Models 30 to 80



Model	A	B	C	D	E	G	Ø	Weight (kg)
CADB-N D 30 V BP TERMO-REG	1500	1500	810	425	390	385	400	255
CADT-N D 45 V BP TERMO-REG	1600	1600	980	560	415	420	450	291
CADT-N D 55 V BP TERMO-REG	2000	2000	1080	585	515	495	500	491
CADT-N D 80 V BP TERMO-REG	2150	2150	1250	670	553	580	630	625