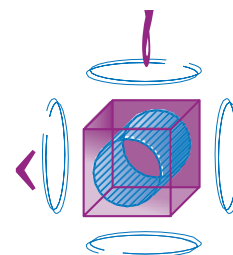



ERP2018
 CALADAIR RESPECT


The perfect match between dimensional criteria, air handling and acoustic performance.

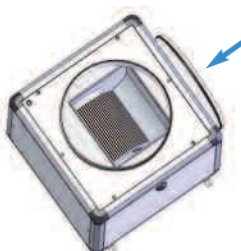


Configurations

HH



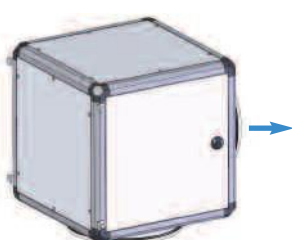
HV



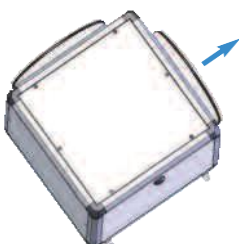
VV



VH



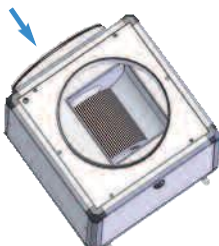
OH



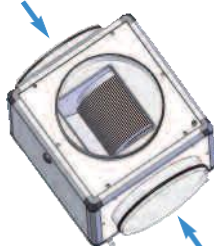
2 OH



OV



2 OV



APPLICATION

- Ventilation of premises requiring average and high air flows.
- Can be used for air extraction or blowing.
- Particularly suited where there are high sound and heat insulation requirements.

RANGE

- Available in 2 sizes and 4 models, the CBI range covers air flows from 200 to 2 900 m³/h.

CONSTRUCTION

- Structure in aluminium profile.
- Corners in reinforced polyamide.
- Removable and interchangeable panels.
- RAL 7035 pre-lacquered external face with protective film.
- High density 25 mm A2-s1, d0 (M0) mineral wool insulation.
- Internal face in galvanized steel.
- Access panel to internal components fitted with a safety latch.
- Nuts crimped into the structure for floor/wall/ceiling fixing.
- Module fitted as standard with intake and outlet panels with circular connections and double lip seals...

MOTOR FAN

- Simple opening reaction CBI4-094.
- Impulse centrifugal wheel with double opening.
- Direct drive motor with thermal protection.
- Motor fan assembly mounted on vibration mounts.
- Flexible connection from the fan to the air supply panel.

INSTALLATION

- The CBI COMBIBOX CONCEPT® range can be used in all positions. The interchangeable panels allow for all possible installation configurations except sauf CBI 4DP094 (only HH et VV).
- Can be installed internally or externally (rain visor).
- Ground/wall/ceiling fixing brackets.

INSTALLATION AND ELECTRICAL OPTIONS

- Various options are available.

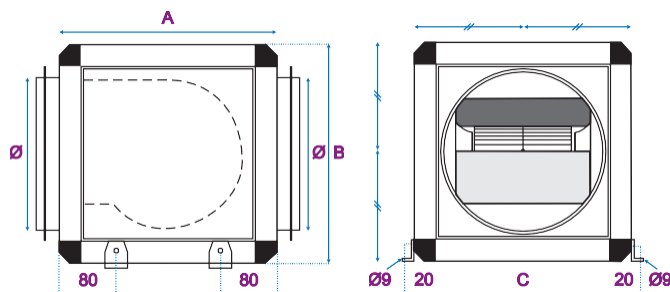
DIMENSIONS CHARACTERISTICS

CBI



1

CBI Model	COMBIBOX® Module size	A mm	B mm	C mm	Ø mm	Weight CBI (kg) DP
CBI 094	4	445	445	445	250	27
CBI 153		445	445	445	315	32
CBI 203		445	445	445	315	34
CBI 304	5	545	545	545	400	46



1A

ELECTRICAL CHARACTERISTICS

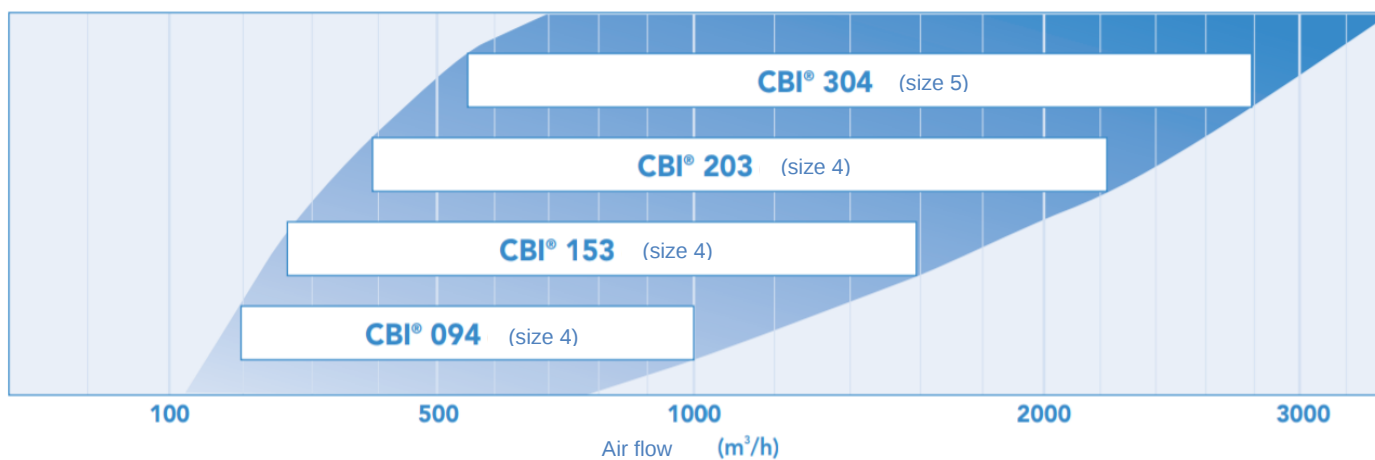
CBI

CBI Model	COMBIBOX® Module size	Power supply voltage (V / Ph / Hz)	Power rating (W)	Protection current (A)	Usage temp. (°C/°C)	Motor IP/Class	Thermal protection *	Speed variation
CBI 094	4	230 / 1 / 50	155	0,68	-25 / 60	IP44 / F	PTI	AUTOTRANSFORMER OR ELECTRONIC
CBI 153		230 / 1 / 50	147	1,6	-20 / 40	IP55 / F	PTI	
CBI 253		230 / 1 / 50	300	2,4	-20 / 40	IP55 / F	PTI	
CBI 304	5	230 / 1 / 50	500	4,6	-20 / 40	IP15 / F	PTI	

*PTI: Integrated thermal protection

PRESELECTION

CBI



- The values "Lp4m dB(A)" (○) shown on the curves correspond to the sound pressure level to 4m in hemispherical free field on a reflective surface, rejection not connected box.
- The values "LWA cond suction dB (A)" (□) shown on the curves correspond to the total sound power level radiated into the suction line.
- For the acoustic spectrum of sound power "LWA cond suction dB (A)" suction side, add the following values to the sound power level "LWA cond suction dB (A)" mentioned on the curves (□).

Upstream acoustic spectrum weighting function "LWA cond aspiration" dB(A) □ shown on the curves

Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
CBI 4 DP 094	-34	-21	-11	-8	-4	-6	-11	-18
CBI 4 DP 153	-28	-17	-12	-8	-4	-6	-10	-16
CBI 4 DP 203	-28	-17	-12	-8	-4	-6	-10	-16
CBI 5 DP 304	-28	-17	-12	-8	-4	-6	-10	-16

- The overall sound power level radiated into the downstream pipe "cond refolement LwA dB (A)" is obtained by adding 20 dB (A) values "Lp4m dB (A)" (○) indicated on the curves.
- To get the sound pressure level Lp dB (A), hemispherical free field, at a distance, AHU (Air Handling Unit) floor standing on reflective surface, connected to the suction side, not connected discharge side, add the following values to Lp4m dB (A) (○) indicated on the curves.

Weighted Lp at various distances depending on Lp4m (○)

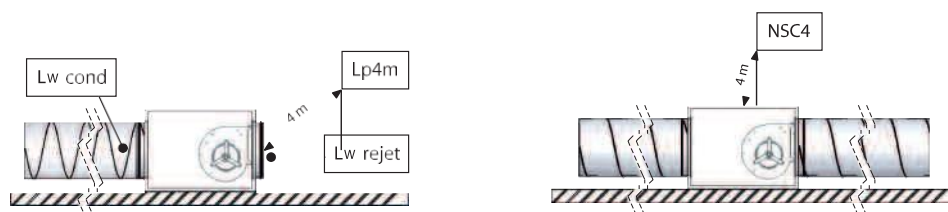
Distance	2m	3m	4m	5m	7m	10m
Distance weighting dB(A)	6	2	0	-2	-5	-8

NOTA :

Tolerance = Global Values
+ / - 3 dB (A)
Acoustic spectra

+ / - 5 dB

- For the sound level to 4m (NSC4) connected to the suction and discharge by a sheath as well as the soundproofing box, subtract 19 dB (A) to the value of Lp4m indicated on the curves.



REFERENCE TO GIVE WHEN ORDER

Example:

CBI

4

DP

203

Module
size

Max. operating range
20 ≈ 2 000 m³/h max
3 ≈ 300 Pa max

Range

Type

CB = CombiBox®

of construction

I = Motor Incorporated

NI = Non Insulated RAL 7035

DP = 25 mm Double-skin insulation RAL 7035

Attenuation in dB(A)

COMBIBOX® Module Size	Sound power INTAKE side CBX BA UPSTREAM of the CBI module	Sound power DISCHARGE side CBX BA DOWNSTREAM of the CBI module
4	PSA - 10	PSA - 8
5	PSA - 11	PSA - 9
6	PSA - 14	PSA - 12
7	PSA - 12	PSA - 10



PSA: Sound power at Intake for the AHU in dB(A) shown in the table p.78

Spectra:

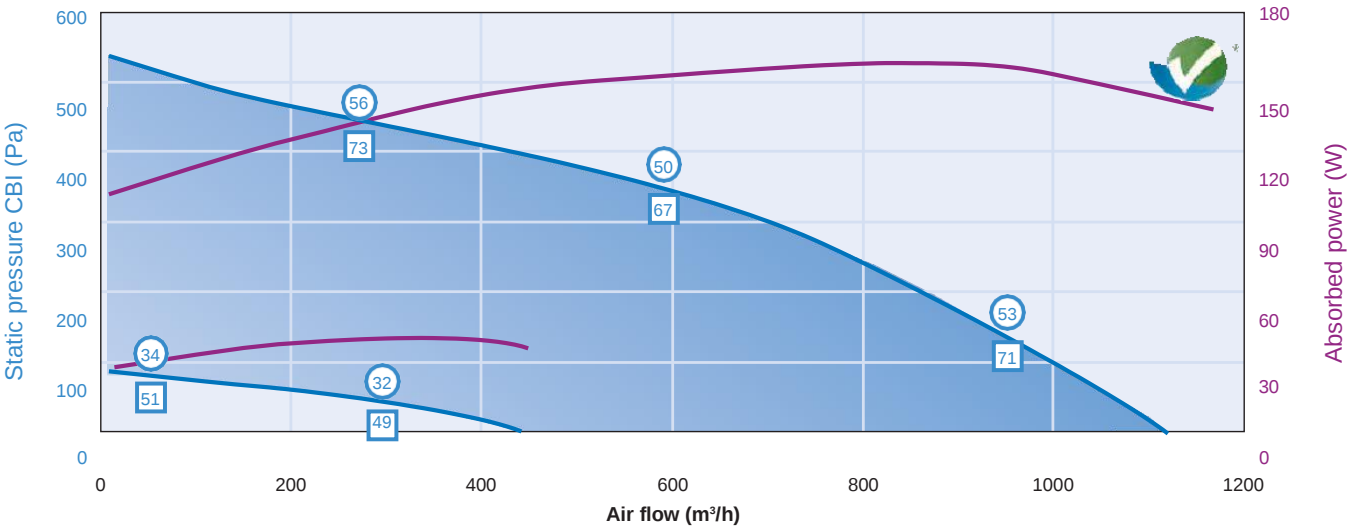
ATTENUATION OF THE ACOUSTIC MODULE, INCLUDING REGENERATION PHENOMENON

	63	125	250	500	1000	2000	4000	8000	
CBX 4 BA	0	2	6	10	25	28	18	10	dB
CBX 5 BA	1	3	7	12	22	21	17	10	dB
CBX 6 BA	3	5	10	20	24	24	20	11	dB
CBX 7 BA	2	4	9	15	23	22	17	7	dB

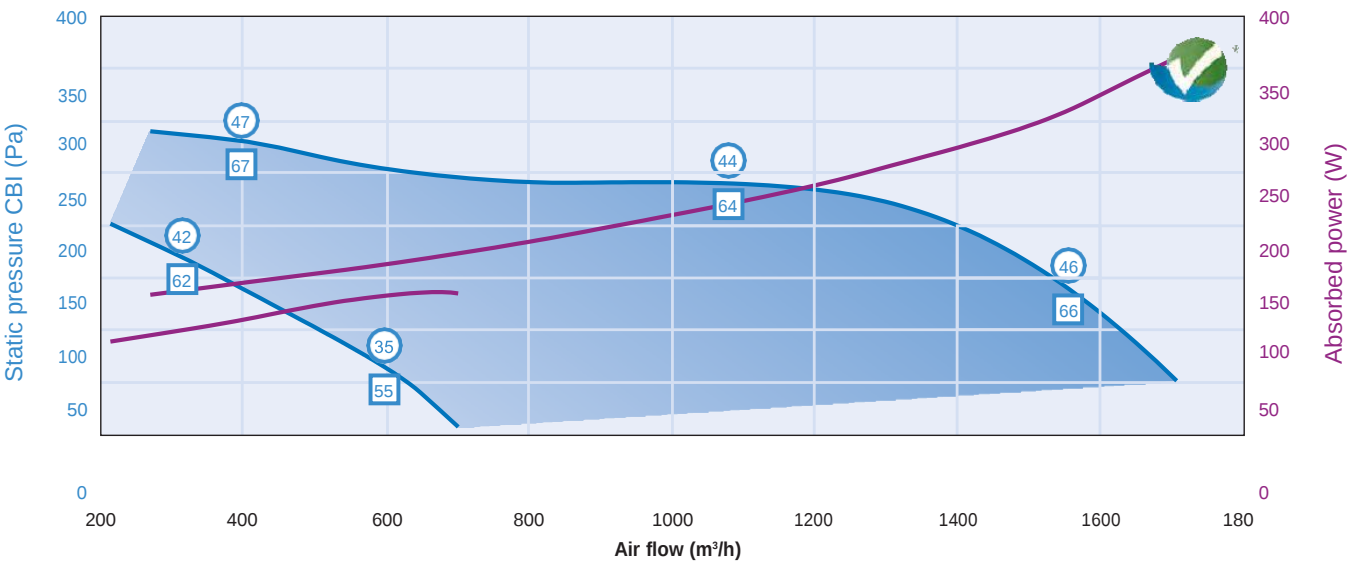


Nota : The curves are made with suction and discharge chamber connected (D configuration according to NF N 13141-4) nozzles.

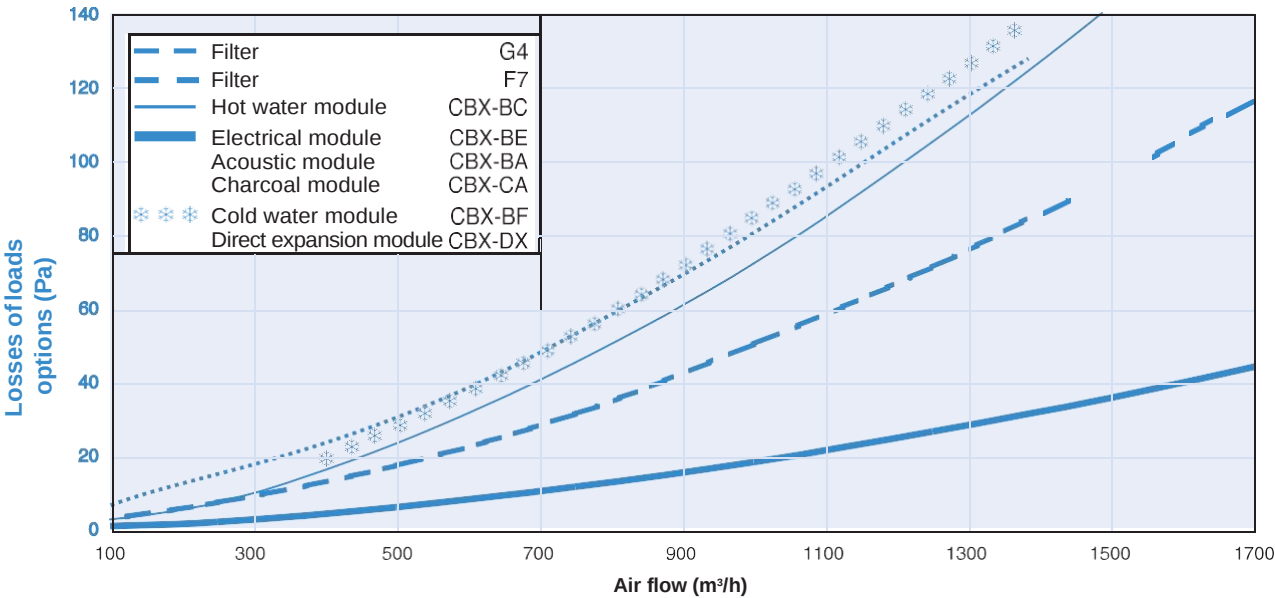
CBI 4 DP 094



CBI 4 DP 153



Additional modules CBX 4



HEAT MODULES SIZE4 PERFORMANCE CHARACTERISTICS

CBX4



1

CBX 4 BC

Hot water module

Water temp. (°C/°C)	Temp. of incoming air (°C)	Air flow (m³/h)	600	800	1 000	1 200	1 400	1 600	1 700
90/70	-15	Power (kW)/Air outlet temp (°C)	10,6 / 31,5	12,7 / 26,9	14,6 / 23,4	16,2 / 20,6	17,7 / 18,4	19,1 / 16,5	19,8 / 15,6
		Water flow(l/h)/DP water (kPa)	470 / 8	570 / 11	650 / 14	720 / 16	79 / 19	850 / 22	880 / 23
	-7	Power (kW)/Air outlet temp (°C)	9,7 / 36,8	11,6 / 32,4	13,3 / 29,1	14,8 / 26,5	16,2 / 24,3	17,4 / 22,5	18,0 / 21,7
		Water flow(l/h)/DP water (kPa)	430 / 7	510 / 9	590 / 12	660 / 14	720 / 16	770 / 18	800 / 20
	7	Power (kW)/Air outlet temp (°C)	8 / 45,4	9,6 / 41,5	11 / 38,6	12,2 / 36,3	13,4 / 34,4	14,4 / 32,8	14,9 / 32,1
		Water flow(l/h)/DP water (kPa)	360 / 5	430 / 7	490 / 8	540 / 10	590 / 12	640 / 13	660 / 14
80/60	15	Power (kW)/Air outlet temp (°C)	7,1 / 50,1	8,5 / 46,5	9,7 / 43,8	10,8 / 41,7	11,8 / 40,0	12,7 / 38,5	13,1 / 37,9
		Water flow(l/h)/DP water (kPa)	310 / 4	380 / 5	430 / 7	480 / 8	520 / 9	560 / 11	580 / 11
	-15	Power (kW)/Air outlet temp (°C)	9,4 / 26,1	11,2 / 22	12,9 / 18,9	14,3 / 16,4	15,6 / 14,4	16,8 / 12,7	17,4 / 12
		Water flow(l/h)/DP water (kPa)	410 / 6	500 / 9	570 / 11	630 / 13	690 / 16	740 / 18	770 / 19
	-7	Power (kW)/Air outlet temp (°C)	8,4 / 31,2	10,1 / 27,3	11,6 / 24,4	12,9 / 22,1	14,1 / 20,3	15,1 / 18,7	15,6 / 18
		Water flow(l/h)/DP water (kPa)	370 / 5,3	450 / 7	510 / 9	570 / 11	620 / 13	670 / 15	690 / 16
	7	Power (kW)/Air outlet temp (°C)	6,8 / 39,6	8,1 / 36,2	9,3 / 33,7	10,3 / 31,7	11,3 / 30,1	12,1 / 28,8	12,5 / 28,2
		Water flow(l/h)/DP water (kPa)	300 / 4	360 / 5	410 / 6	460 / 8	500 / 9	540 / 10	550 / 11
	15	Power (kW)/Air outlet temp (°C)	5,9 / 44,0	7 / 41	8 / 38,8	8,9 / 37	9,7 / 35,6	10,4 / 34,3	10,8 / 33,8
		Water flow(l/h)/DP water (kPa)	260 / 3	310 / 4	350 / 5	390 / 6	430 / 7	460 / 8	480 / 8

CBX 4 BF

Cold water module

Water temp. (°C/°C)	Temp. of incoming air (°C-%HR)	Air flow (m³/h)	400	600	800	1 000	1 200	1 400
7/12	32/40	Power (kW)/Air outlet temp (°C-%HR)	3,4 / 14,5-82	4,4 / 16,4-79	5,1 / 17,7-77	5,7 / 18,8-75	6,1 / 19,6-74	6,4 / 20,3-74
		Water flow(l/h)/DP water (kPa)	580 / 5	750 / 8	880 / 10	970 / 12	1040 / 13	1090 / 15
	27/50	Power (kW)/Air outlet temp (°C-%HR)	2,6 / 13,9-86	3,3 / 15,4-83	3,8 / 16,5-82	4,2 / 17,3-81	4,5 / 17,9-80	4,7 / 18,4-79
		Water flow(l/h)/DP water (kPa)	440 / 3	560 / 5	650 / 6	720 / 7	770 / 8	800 / 9
	25/50	Power (kW)/Air outlet temp (°C-%HR)	2,0 / 13,6-85	2,5 / 15-83	2,9 / 15,9-82	3,1 / 16,6-81	3,3 / 17,1-80	3,4 / 17,6-79
		Water flow(l/h)/DP water (kPa)	350 / 2	430 / 3	490 / 4	530 / 4	560 / 4	580 / 5
6/11	32/40	Power (kW)/Air outlet temp (°C-%HR)	3,6 / 13,8-82	4,7 / 15,7-79	5,5 / 17,1-77	6,2 / 18,2-75	6,7 / 19-74	7,0 / 19,8-74
		Water flow(l/h)/DP water (kPa)	620 / 5	800 / 9	940 / 11	1050 / 14	1140 / 16	1200 / 17
	27/50	Power (kW)/Air outlet temp (°C-%HR)	2,8 / 13,2-86	3,6 / 14,7-84	4,2 / 15,8-82	4,7 / 16,7-81	5,1 / 17,3-80	5,3 / 17,9-79
		Water flow(l/h)/DP water (kPa)	480 / 4	620 / 5	720 / 7	810 / 9	870 / 10	910 / 11
	25/50	Power (kW)/Air outlet temp (°C-%HR)	2,3 / 12,9-85	2,9 / 14,3-83	3,3 / 15,2-82	3,6 / 16-81	3,8 / 16,6-80	4,0 / 17,1-79
		Water flow(l/h)/DP water (kPa)	390 / 2	490 / 4	560 / 5	620 / 5	650 / 6	680 / 6

CBX 4 DX

Direct expansion module

Evap. temp. (°C)	Temp. of incoming air (°C-%HR)	Air flow (m³/h)	400	600	800	1 000	1 200	1 300
7	32/40	Power (kW)	3,4	4,1	4,5	4,6	4,6	4,6
		Air outlet temp (°C-%HR)	14,6-82	17-78	18,7-76	20-75	21-74	21,5-75
	27/50	Power (kW)	2,7	3,3	3,6	3,7	3,7	3,7
		Air outlet temp (°C-%HR)	13,5-86	15,5-83	16,8-82	17,8-81	18,6-80	19-80
	25/50	Power (kW)	2,25	2,6	2,8	2,9	2,9	3
		Air outlet temp (°C-%HR)	13-85	14,8-83	16-81	16,9-81	17,6-79	17,9-77
5	32/40	Power (kW)	3,8	4,6	5,2	5,5	5,5	5,5
		Air outlet temp (°C-%HR)	13,2-82	15,8-79	17,7-77	19-75	20,2-74	20,6-74
	27/50	Power (kW)	3,1	3,8	4,3	4,6	4,7	4,7
		Air outlet temp (°C-%HR)	12,1-86	14,2-84	15,7-82	16,9-81	17,7-80	18,1-80
	25/50	Power (kW)	2,6	3,2	3,5	3,7	3,7	3,7
		Air outlet temp (°C-%HR)	11,6-86	13,5-83	14,9-82	15,9-81	16,7-80	17,1-80

CBX 4 BE

Electrical module

Reference	Total power kW	Total power in kW per stage	Voltage V	Weight CBX-BE kg	ELECTROPACK® type
CBX 4 BE 025	2,5	2,5	230 MONO	30	-
CBX 4 BE 037	3,75	3,75	400 TRI	31	271 TA ou DF*
CBX 4 BE 075	7,5	7,5	400 TRI	32	271 TA ou DF*
CBX 4 BE 112	11,25	11,25	400 TRI	34	271 TA ou DF*

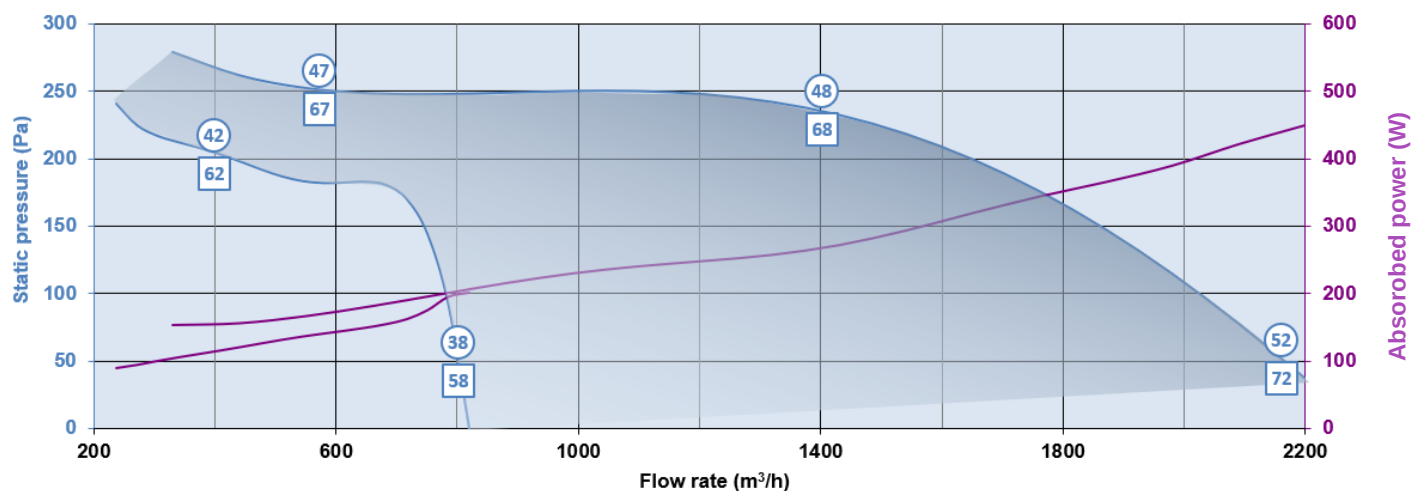
*DF if the extraction fan is piloted by ELECTROPACK®

Reminder : simplified calculation rule to determine the power of the electrical coil.

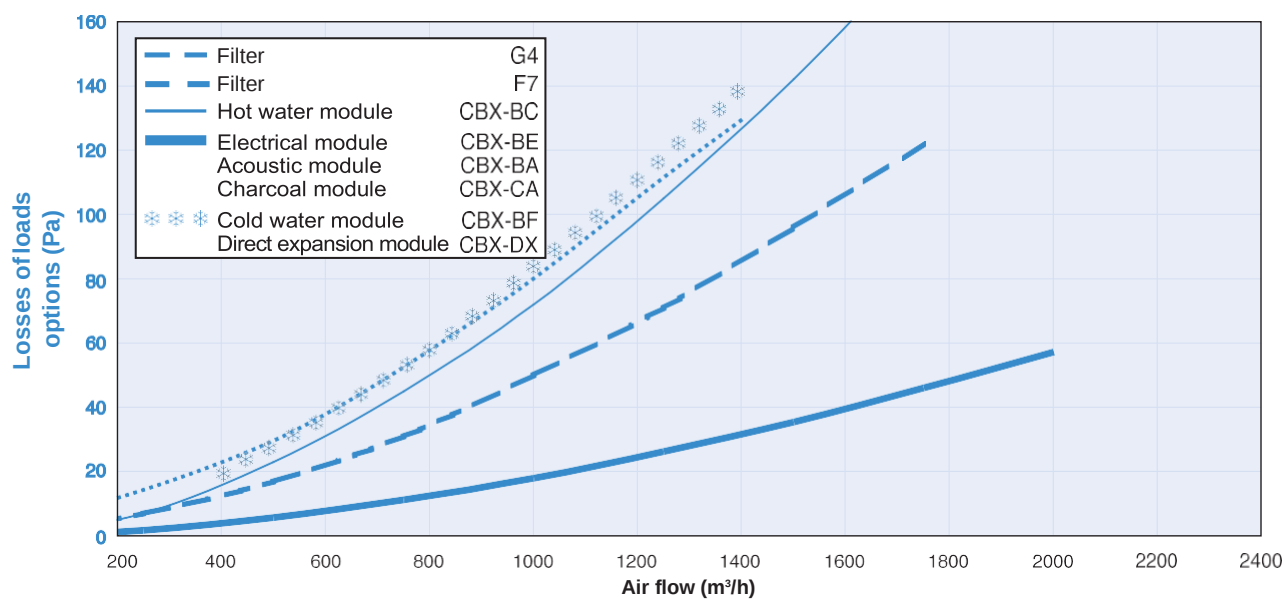
$$\frac{\text{Air flow (m}^3\text{/h)}}{3000} \times T \text{ (}^\circ\text{C)} = \text{Power (kW)}$$



CBI 4 DP 203



Additional modules CBX 4





CBX 4 BC

Hot water module

Water temp. (°C/°C)	Temp. of incoming air (°C)	Air flow (m³/h)	600	800	1 000	1 200	1 400	1 600	1 700
90/70	-15	Power (kW)/Air outlet temp (°C)	10,6 / 31,5	12,7 / 26,9	14,6 / 23,4	16,2 / 20,6	17,7 / 18,4	19,1 / 16,5	19,8 / 15,6
		Water flow(l/h)/DP water (kPa)	470 / 8	570 / 11	650 / 14	720 / 16	79 / 19	850 / 22	880 / 23
	-7	Power (kW)/Air outlet temp (°C)	9,7 / 36,8	11,6 / 32,4	13,3 / 29,1	14,8 / 26,5	16,2 / 24,3	17,4 / 22,5	18,0 / 21,7
		Water flow(l/h)/DP water (kPa)	430 / 7	510 / 9	590 / 12	660 / 14	720 / 16	770 / 18	800 / 20
	7	Power (kW)/Air outlet temp (°C)	8 / 45,4	9,6 / 41,5	11 / 38,6	12,2 / 36,3	13,4 / 34,4	14,4 / 32,8	14,9 / 32,1
		Water flow(l/h)/DP water (kPa)	360 / 5	430 / 7	490 / 8	540 / 10	590 / 12	640 / 13	660 / 14
80/60	15	Power (kW)/Air outlet temp (°C)	7,1 / 50,1	8,5 / 46,5	9,7 / 43,8	10,8 / 41,7	11,8 / 40,0	12,7 / 38,5	13,1 / 37,9
		Water flow(l/h)/DP water (kPa)	310 / 4	380 / 5	430 / 7	480 / 8	520 / 9	560 / 11	580 / 11
	-15	Power (kW)/Air outlet temp (°C)	9,4 / 26,1	11,2 / 22	12,9 / 18,9	14,3 / 16,4	15,6 / 14,4	16,8 / 12,7	17,4 / 12
		Water flow(l/h)/DP water (kPa)	410 / 6	500 / 9	570 / 11	630 / 13	690 / 16	740 / 18	770 / 19
	-7	Power (kW)/Air outlet temp (°C)	8,4 / 31,2	10,1 / 27,3	11,6 / 24,4	12,9 / 22,1	14,1 / 20,3	15,1 / 18,7	15,6 / 18
		Water flow(l/h)/DP water (kPa)	370 / 5,3	450 / 7	510 / 9	570 / 11	620 / 13	670 / 15	690 / 16
	7	Power (kW)/Air outlet temp (°C)	6,8 / 39,6	8,1 / 36,2	9,3 / 33,7	10,3 / 31,7	11,3 / 30,1	12,1 / 28,8	12,5 / 28,2
		Water flow(l/h)/DP water (kPa)	300 / 4	360 / 5	410 / 6	460 / 8	500 / 9	540 / 10	550 / 11
	15	Power (kW)/Air outlet temp (°C)	5,9 / 44,0	7 / 41	8 / 38,8	8,9 / 37	9,7 / 35,6	10,4 / 34,3	10,8 / 33,8
		Water flow(l/h)/DP water (kPa)	260 / 3	310 / 4	350 / 5	390 / 6	430 / 7	460 / 8	480 / 8

CBX 4 BF

Cold water module

Water temp. (°C/°C)	Temp. of incoming air (°C-%HR)	Air flow (m³/h)	400	600	800	1 000	1 200	1 400
7/12	32/40	Power (kW)/Air outlet temp (°C-%HR)	3,4 / 14,5-82	4,4 / 16,4-79	5,1 / 17,7-77	5,7 / 18,8-75	6,1 / 19,6-74	6,4 / 20,3-74
		Water flow(l/h)/DP water (kPa)	580 / 5	750 / 8	880 / 10	970 / 12	1040 / 13	1090 / 15
	27/50	Power (kW)/Air outlet temp (°C-%HR)	2,6 / 13,9-86	3,3 / 15,4-83	3,8 / 16,5-82	4,2 / 17,3-81	4,5 / 17,9-80	4,7 / 18,4-79
		Water flow(l/h)/DP water (kPa)	440 / 3	560 / 5	650 / 6	720 / 7	770 / 8	800 / 9
	25/50	Power (kW)/Air outlet temp (°C-%HR)	2,0 / 13,6-85	2,5 / 15-83	2,9 / 15,9-82	3,1 / 16,6-81	3,3 / 17,1-80	3,4 / 17,6-79
		Water flow(l/h)/DP water (kPa)	350 / 2	430 / 3	490 / 4	530 / 4	560 / 4	580 / 5
6/11	32/40	Power (kW)/Air outlet temp (°C-%HR)	3,6 / 13,8-82	4,7 / 15,7-79	5,5 / 17,1-77	6,2 / 18,2-75	6,7 / 19-74	7,0 / 19,8-74
		Water flow(l/h)/DP water (kPa)	620 / 5	800 / 9	940 / 11	1050 / 14	1140 / 16	1200 / 17
	27/50	Power (kW)/Air outlet temp (°C-%HR)	2,8 / 13,2-86	3,6 / 14,7-84	4,2 / 15,8-82	4,7 / 16,7-81	5,1 / 17,3-80	5,3 / 17,9-79
		Water flow(l/h)/DP water (kPa)	480 / 4	620 / 5	720 / 7	810 / 9	870 / 10	910 / 11
	25/50	Power (kW)/Air outlet temp (°C-%HR)	2,3 / 12,9-85	2,9 / 14,3-83	3,3 / 15,2-82	3,6 / 16-81	3,8 / 16,6-80	4,0 / 17,1-79
		Water flow(l/h)/DP water (kPa)	390 / 2	490 / 4	560 / 5	620 / 5	650 / 6	680 / 6

CBX 4 DX

Direct expansion module

Temp. évap. (°C)	Temp. of incoming air (°C-%HR)	Air flow (m³/h)	400	600	800	1 000	1 200	1 300
7	32/40	Power (kW)	3,4	4,1	4,5	4,6	4,6	4,6
		Air outlet temp (°C-%HR)	14,6-82	17-78	18,7-76	20-75	21-74	21,5-75
	27/50	Power (kW)	2,7	3,3	3,6	3,7	3,7	3,7
		Air outlet temp (°C-%HR)	13,5-86	15,5-83	16,8-82	17,8-81	18,6-80	19-80
	25/50	Power (kW)	2,25	2,6	2,8	2,9	2,9	3
		Air outlet temp (°C-%HR)	13-85	14,8-83	16-81	16,9-81	17,6-79	17,9-77
5	32/40	Power (kW)	3,8	4,6	5,2	5,5	5,5	5,5
		Air outlet temp (°C-%HR)	13,2-82	15,8-79	17,7-77	19-75	20,2-74	20,6-74
	27/50	Power (kW)	3,1	3,8	4,3	4,6	4,7	4,7
		Air outlet temp (°C-%HR)	12,1-86	14,2-84	15,7-82	16,9-81	17,7-80	18,1-80
	25/50	Power (kW)	2,6	3,2	3,5	3,7	3,7	3,7
		Air outlet temp (°C-%HR)	11,6-86	13,5-83	14,9-82	15,9-81	16,7-80	17,1-80

CBX 4 BE

Electrical module

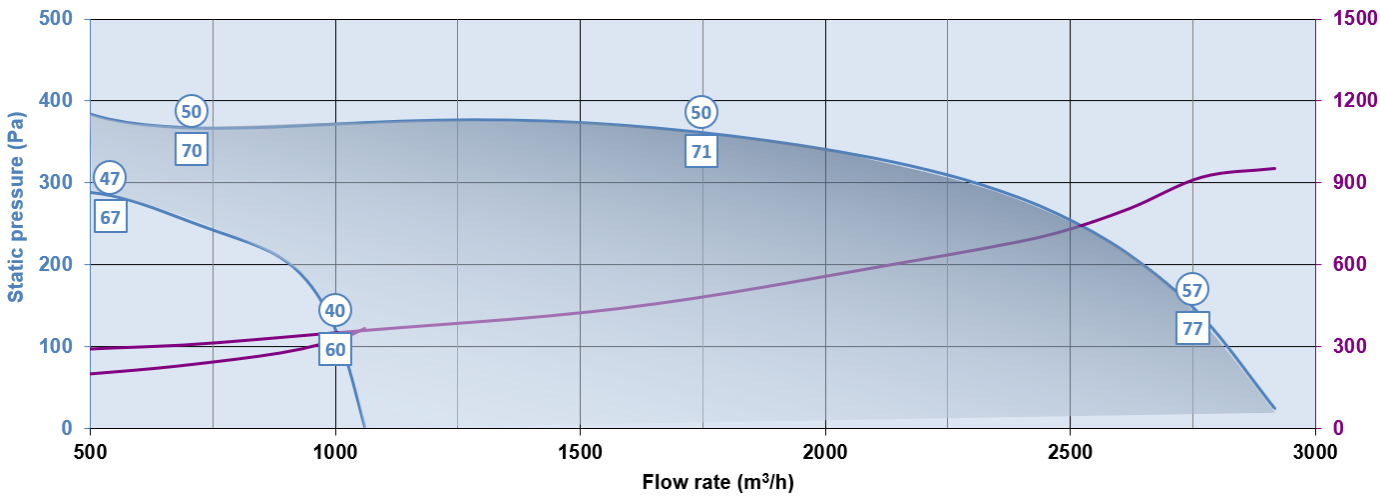
Reference	Total power kW	Total power in kW per stage	Voltage V	Weight CBX-BE kg	ELECTROPACK® type
CBX 4 BE 025	2,5	2,5	230 MONO	30	271 TA ou DF*
CBX 4 BE 037	3,75	3,75	400 TRI	31	271 TA ou DF*
CBX 4 BE 075	7,5	7,5	400 TRI	32	271 TA ou DF*
CBX 4 BE 112	11,25	11,25	400 TRI	34	271 TA ou DF*

*DF if extraction fan piloted by ELECTROPACK®

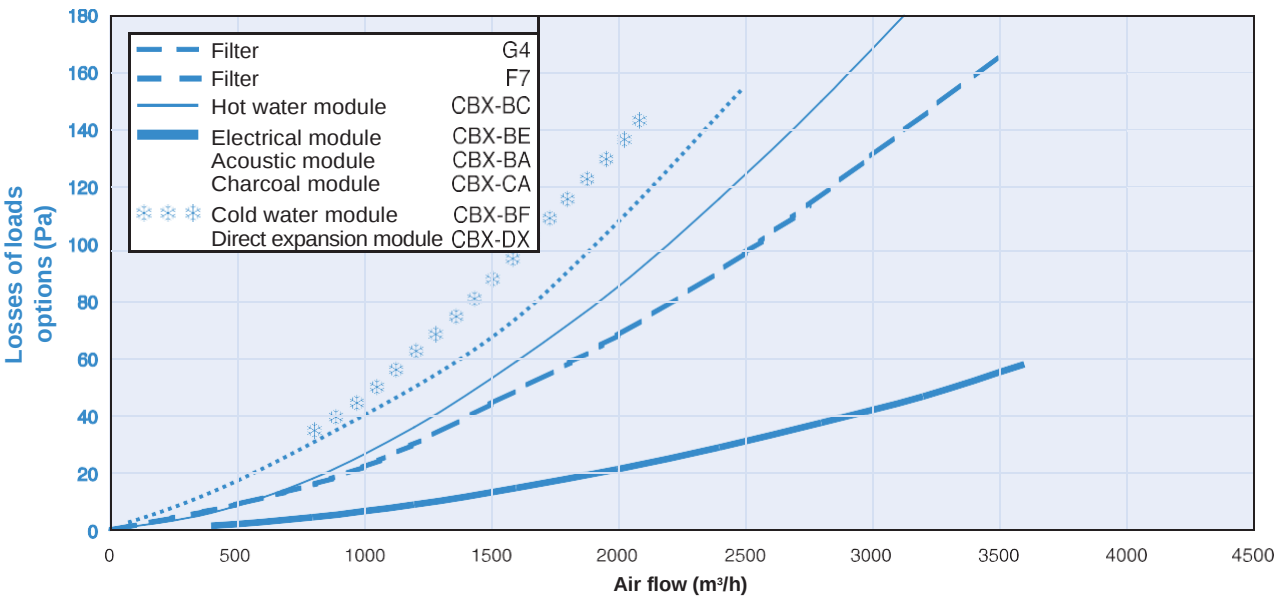
Reminder : simplified calculation rule to determine the power of the electrical coil.

$$\frac{\text{Air flow (m}^3\text{/h)}}{3000} \times T \text{ (}^\circ\text{C)} = \text{Power (kW)}$$

CBI 5 DP 304



Additional modules CBX 5



HEAT MODULES SIZE5 PERFORMANCE CHARACTERISTICS

CBX5



1

CBX 5 BC

Hot water module

Water Temp. of incoming air (°C/°C)		Air flow (m³/h)	1 200	1 600	2 000	2 400	2 800	3 000
90/70	-15	Power (kW)/Air outlet temp (°C)	20,8 / 30,5	24,9 / 25,9	28,4 / 22,4	31,6 / 19,6	34,5 / 17,4	35,8 / 16,4
		Water flow(l/h)/DP water (kPa)	920 / 14	1 100 / 6	1 260	1 400 / 30	1 530 / 34	1 590 / 36
	-7	Power (kW)/Air outlet temp (°C)	18,9 / 35,8	22,7 / 31,4	25,9 / 28,2	28,8 / 25,6	31,4 / 23,4	32,7 / 22,6
		Water flow(l/h)/DP water (kPa)	840 / 12	1 010 / 17	1 150 / 21	1 280 / 25	1 400 / 29	1 450 / 31
	7	Power (kW)/Air outlet temp (°C)	15,8 / 44,6	18,8 / 40,7	21,5 / 437,8	23,9 / 35,5	26,1 / 33,6	27,1 / 32,9
		Water flow(l/h)/DP water (kPa)	700 / 9	840 / 12	950 / 15	1 060 / 18	1 160 / 21	1 200 / 22
80/60	15	Power (kW)/Air outlet temp (°C)	13,9 / 49,3	16,7 / 45,7	19 / 43,1	21,1 / 41	23 / 39,3	23,9 / 38,7
		Water flow(l/h)/DP water (kPa)	620 / 7	740 / 10	830 / 12	940 / 15	1 020 / 17	1 060 / 18
	-15	Power (kW)/Air outlet temp (°C)	18,4 / 25,3	22 / 21,2	25,1 / 18,1	27,9 / 15,6	30,5 / 13,6	31,7 / 12,8
		Water flow(l/h)/DP water (kPa)	810 / 12	970 / 16	1 110 / 20	1 230 / 24	1 350 / 28	1 400 / 30
	-7	Power (kW)/Air outlet temp (°C)	16,6 / 30,4	19,8 / 26,6	22,6 / 23,7	25,1 / 21,4	27,4 / 19,6	28,5 / 18,8
		Water flow(l/h)/DP water (kPa)	730 / 10	870 / 13	1 000 / 17	1 110 / 20	1 210 / 24	1 260 / 25
	7	Power (kW)/Air outlet temp (°C)	13,4 / 38,9	16 / 35,6	18,2 / 33,1	20,2 / 31,1	22,1 / 29,5	22,9 / 28,9
		Water flow(l/h)/DP water (kPa)	590 / 7	710 / 9	810 / 12	890 / 14	970 / 16	1 010 / 17
	15	Power (kW)/Air outlet temp (°C)	11,6 / 43,4	13,8 / 40,5	15,7 / 38,2	17,5 / 36,5	19 / 35	19,7 / 34,5
		Water flow(l/h)/DP water (kPa)	510 / 5	610 / 7	700 / 9	770 / 11	840 / 12	870 / 13

CBX 5 BF

Cold water module

Water Temp. of incoming air (°C-%HR)		Air flow (m³/h)	1 000	1 200	1 400	1 600	1 800	2 000	2 100
7/12	32/40	Power (kW)/Air outlet temp (°C-%HR)	7,3 / 16,4-78	8,1 / 17,2-77	8,8 / 18-76	9,4 / 18,6-75	9,8 / 19,1-74	10,2 / 19,6-74	10,4 / 19,8-74
		Water flow(l/h)/DP water (kPa)	1 260 / 16	1 390 / 19	1 510 / 22	1 600 / 24	1 680 / 26	1 750 / 28	1 780 / 29
	27/50	Power (kW)/Air outlet temp (°C-%HR)	5,6 / 15,3-83	6,2 / 16-82	6,7 / 16,6-81	7,1 / 17-81	7,4 / 17,5-80	7,7 / 17,5-80	7,8 / 18-79
		Water flow(l/h)/DP water (kPa)	960 / 10	1 060 / 12	1 140 / 13	1 210 / 15	1 270 / 16	1 310 / 17	1 330 / 17
	25/50	Power (kW)/Air outlet temp (°C-%HR)	4,3 / 15-82	4,6 / 15,6-82	4,9 / 16,1-81	5,1 / 16,5-80	5,3 / 16,9-80	5,4 / 17,2-79	5,5 / 17,3-79
		Water flow(l/h)/DP water (kPa)	730 / 6	790 / 7	840 / 8	880 / 8	910 / 9	930 / 9	940 / 9
6/11	32/40	Power (kW)/Air outlet temp (°C-%HR)	7,7/15,9-78	8,6 / 16,8-77	9,3 / 17,5-76	9,9 / 18,2-75	10,4 / 18,7-74	10,9 / 19,2-74	11,1 / 19,5-74
		Water flow(l/h)/DP water (kPa)	1320 / 17	1470 / 20	1590 / 23	1700 / 26	1790 / 29	1860 / 31	1900 / 32
	27/50	Power (kW)/Air outlet temp (°C-%HR)	6,0 / 14,8-83	6,7 / 15,5-82	7,2 / 16,1-81	7,7 / 16,6-81	8,0 / 17-80	8,4 / 17,4-80	8,5 / 17,6-79
		Water flow(l/h)/DP water (kPa)	1030 / 11	1140 / 13	1230 / 15	1310 / 17	1380 / 18	1430 / 19	1460 / 20
	25/50	Power (kW)/Air outlet temp (°C-%HR)	4,8 / 14,3-83	5,2 / 14,9-82	5,6 / 15,5-81	5,9 / 15,9-80	6,2 / 16,3-80	6,4 / 16,6-79	6,4 / 16,8-79
		Water flow(l/h)/DP water (kPa)	820 / 7	900 / 9	960 / 10	1010 / 11	1060 / 11	1090 / 12	1100 / 12

CBX 5 DX

Direct expansion module

Temp. évap. (°C)		Temp. of incoming air (°C-%HR)	Air flow (m³/h)	1 000	1 200	1 400	1 600	1 800	2 000
7	32/40	Power (kW)	8,1	8,9	9,5	9,8	10,1	10,2	
		Air outlet temp (° C-%HR)	15-82	16-81	16,9-80	17,8-79	18,5-78	19,2-77	
	27/50	Power (kW)	6,6	7,1	7,6	7,9	8,1	8,2	
		Air outlet temp (° C-%HR)	13,7-86	14,7-85	15,4-84	16,1-83	16,7-83	17,2-82	
	25/50	Power (kW)	5,4	5,8	6,0	6,2	6,3	6,3	
		Air outlet temp (° C-%HR)	13,2-86	14-85	14,7-84	15,3-83	15,9-83	16,3-82	
5	32/40	Power (kW)	9,2	10,1	10,8	11,3	11,7	12,0	
		Air outlet temp (° C-%HR)	13,4-83	14,7-81	15,7-80	16,6-79	17,4-78	18,1-77	
	27/50	Power (kW)	7,6	8,3	8,9	9,3	9,7	10,0	
		Air outlet temp (° C-%HR)	12,3-87	13,4-86	14,2-85	14,9-84	15,6-83	16,1-83	
	25/50	Power (kW)	6,4	6,9	7,4	7,7	7,9	8,1	
		Air outlet temp (° C-%HR)	11,8-86	12,7-85	13,5-84	14,2-83	14,8-83	15,3-82	

CBX 5 BE

Electrical module

Reference	Total power kW	Total power in kW per stage	Voltage V	Weight CBX-BE kg	ELECTROPACK® type
CBX 5 BE 052	5,25	5,25	400 TRI	38	271 TA ou DF*
CBX 5 BE 105	10,5	10,5	400 TRI	40	271 TA ou DF*
CBX 5 BE 157	15,75	15,75	400 TRI	42	271 TA ou DF*
CBX 5 BE 210	21	21	400 TRI	44	271 TA ou DF*

*DF if fan extraction piloted by ELECTROPACK

Reminder: simplified calculation rule to determine the power of the electrical coil.

$$\frac{\text{Air flow (m}^3\text{/h)}}{\text{(kW)}} \times T (^{\circ}\text{C)} = \text{Power}$$