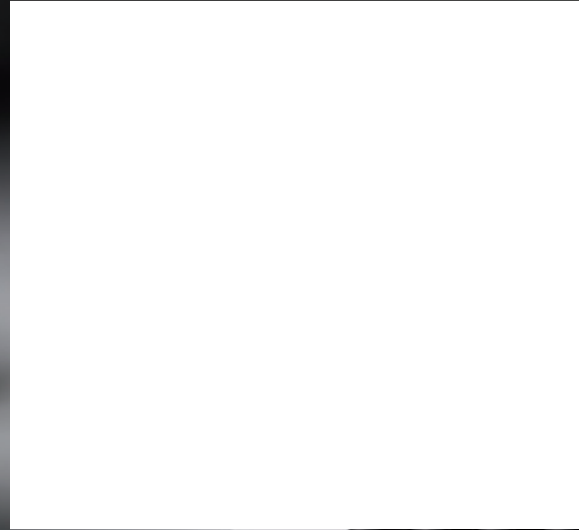
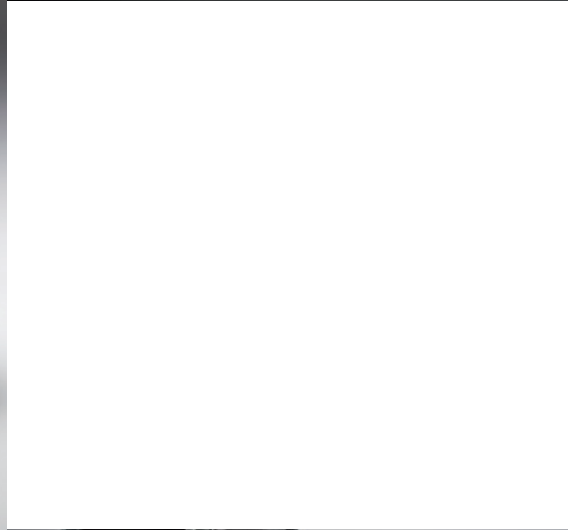


Brise

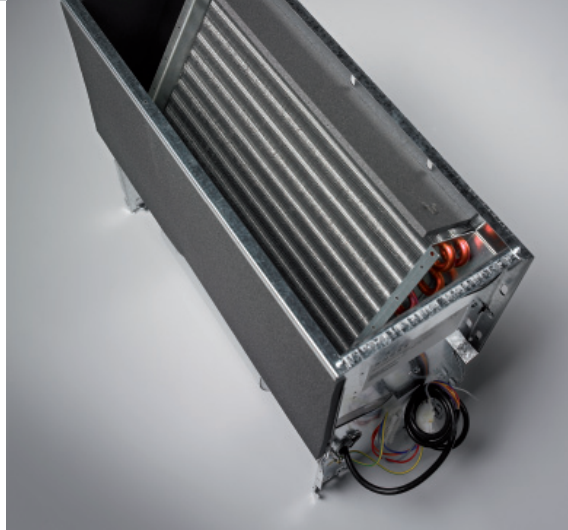




## Brise



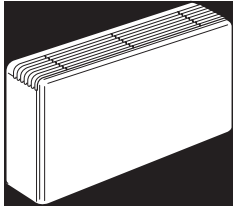
- 1. 3-speed speed control
- 2. BRIC ceiling model
- 3. BRIW wall model
- 4. BRBW wall build-in model
- 5. grille from ABS
- 6. Low-H2O element



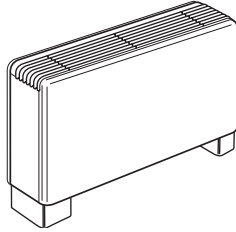
## Brise\_Wall mounted model



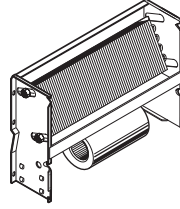
Brise



**Brise: Brise Wall**  
Wall mounted model



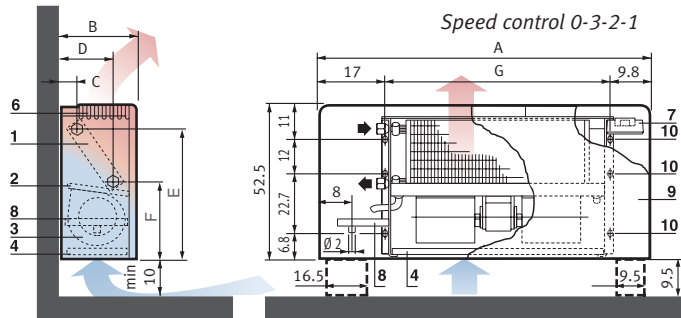
**BRIF: BRise Free-standing**  
Free-standing model



**BRBW: BRise Build in Wall**  
Built in wall mounted model

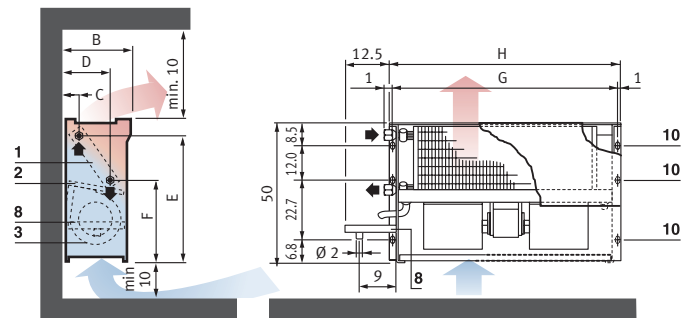
### Dimensions

#### BRIW: Brise Wall



$BRIF = BRIW + \text{feet} + \text{rear panel}$ .  
Feet can be used as a cover plate for connection tubes for the electrical circuit and hydraulic connections.

#### BRBW: Brise Build-in Wall



The model BRBW may also be fitted horizontally when it will only be used for heating.  
Provide an air vent on the central heating tube.

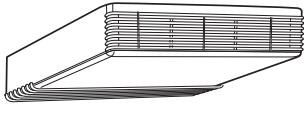
Dimensions in cm

Size	02	03	04	06	08	10
A	82.5	82.5	110.0	110.0	137.5	165.0
B	23.0	23.0	23.0	23.0	27.5	27.5
C	4.5	4.5	4.5	4.5	4.5	4.5
D	15.3	15.3	15.3	15.3	22.5	22.5
E	45.5	45.5	45.5	45.5	46.3	46.3
F	25.5	25.5	25.5	25.5	26.0	26.0
G	55.7	55.7	83.2	83.2	110.7	138.2
H	57.5	57.5	85.2	85.2	112.7	140.2
Conn. heat exchanger	1/2"G	1/2"G	1/2"G	3/4"G	3/4"G	3/4"G
conn. air vent 1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	

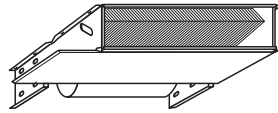
1. Heat exchanger
2. Condensation tray
3. Fan(s)
4. not recyclable air filter (option)
6. Air exhausting grille
7. Switch
8. Additional Condensation tray (option)
9. Casing
10. Holes for fixing to the wall

Weight in kg:	02	03	04	06	08	10
BRIW (with casing)	18.0	19.0	24.0	26.0	38.0	50.0
BRBW (without casing)	14.0	14.5	15.0	20.5	33.0	43.5

## Brise\_Ceiling-mounted model



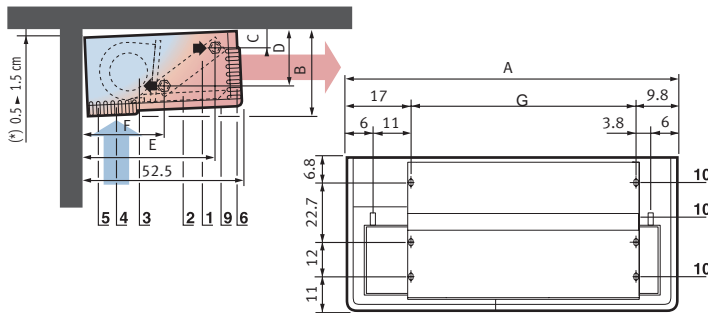
**BRIC: BRise Ceiling**  
ceiling mounted model



**BRBC: BRise Build-in Ceiling**  
built in ceiling mounted model

## Dimensions

### BRIC: Brise Ceiling



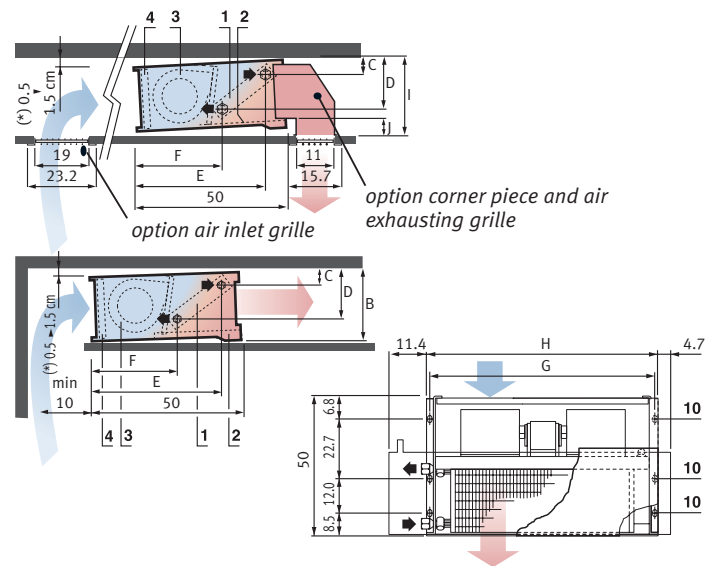
Max. height of the ceiling: 2.80 m.

(\*) Fit the ventilo-fan convector with a slight inclination to facilitate the drainage of the condensation water.

The model BRIC or BRBC may also be fitted vertically, when it will only be used for heating.

Provide an air vent on the central heating tube.

### BRBC: Brise Build-in Ceiling



Option air inlet grille: do not mount it too close to the brise to avoid that the exhausted hot air will be sucked in again.

Dimensions in cm

Size	02	03	04	06	08	10
A	82.5	82.5	110.0	110.0	137.5	165.0
B	23.0	23.0	23.0	23.0	27.5	27.5
C	4.5	4.5	4.5	4.5	4.5	4.5
D	5.3	15.3	15.3	15.3	22.5	22.5
E	45.5	45.5	45.5	45.5	46.3	46.3
F	25.5	25.5	25.5	25.5	26.0	26.0
G	55.7	55.7	83.2	83.2	110.7	138.2
H	57.5	57.5	85.2	85.2	112.7	140.2
I	36.5	36.5	36.5	36.5	41.0	41.0
J	13.5	13.5	13.5	13.5	13.5	13.5
Conn. heat exchanger	1/2" G	1/2" G	1/2" G	3/4" G	3/4" G	3/4" G
conn. air vent 1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"

1. Heat exchanger
2. Condensation tray
3. Fan(s)
4. Not recyclable air filter (option)
5. Air inlet grille
6. Air exhausting grille
9. Casing
10. Holes for fixing to the ceiling

Weight in kg:	02	03	04	06	08	10
BRIC (with casing)	18.0	19.0	24.0	26.0	38.0	50.0
BRBC (without casing)	14.5	15.0	20.0	22.0	33.0	43.5



# Brise

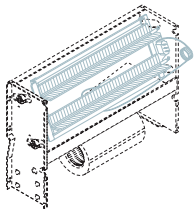


Brise

## Brise standard

model	Size	02	03	04	06	08	10
<b>BRIW</b>	CODE	BRIW.02	BRIW.03	BRIW.04	BRIW.06	BRIW.08	BRIW.10
<b>BRIF</b>	CODE	BRIF.02	BRIF.03	BRIF.04	BRIF.06	BRIF.08	BRIF.10
<b>BRBW</b>	CODE	BRBW.02	BRBW.03	BRBW.04	BRBW.06	BRBW.08	BRBW.10
<b>BRIC</b>	CODE	BRIC.02	BRIC.03	BRIC.04	BRIC.06	BRIC.08	BRIC.10
<b>BRBC</b>	CODE	BRBC.02	BRBC.03	BRBC.04	BRBC.06	BRBC.08	BRBC.10

## Additional electric element



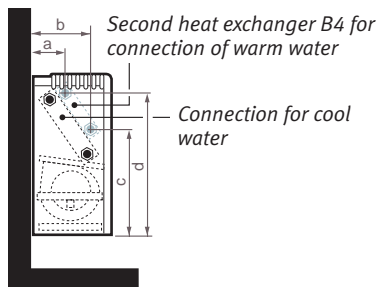
	Size	02	03	04	06	08	10
Nominal power	watt	1000	1000	2000	2000	2000	2000
Electric connection	V - f - Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
<b>CODE</b>	8721...	.6012	.6012	.6014	.6014	.6015	.6016
<b>E</b>							



Options are fitted when fan convector and options are ordered together. With built-in options, delivery time will be longer. Inclusive security thermostat. Do not combine with 2n<sup>d</sup> heat exchanger B4. Allow the air flow during the functioning of the electric element.

## Second heat exchanger B4

	Size	02	03	04	06	08	10
Heat output B4 at $\Delta T$ 50 75/65°C - 20°C	kW max.	2.07	2.85	3.83	5.63	9.22	10.65
	med.	1.86	2.57	3.45	5.06	7.71	9.58
	min.	1.57	2.17	2.92	4.28	7.01	8.09
Heat output B4 at $\Delta T$ 60 90/70°C - 20°C	kW max.	2.48	3.42	4.60	6.76	11.07	12.78
	med.	2.23	3.08	4.14	6.08	9.26	11.50
	min.	1.88	2.60	3.50	5.14	8.41	9.71
Water content B4	litre	0.21	0.27	0.44	0.65	1.24	1.34
<b>CODE</b>	8721...	.5111	.5112	.5113	.5114	.5115	.5116
<b>E</b>							



Options are fitted when fan convector and options are ordered together. With built-in options, delivery time will be longer. With second heat exchanger, the standard heat exchanger has to be used for cooling and the second heat exchanger for heating.

Dimensions in cm

Size	02	03	04	06	08	10
a	9.0	9.0	9.0	9.0	9.5	9.5
b	19.8	19.8	19.8	19.8	24.0	24.0
c	28.0	28.0	28.0	28.0	31.5	31.5
d	48.0	48.0	48.0	48.0	48.0	48.0

## Brise\_Technical data

		Size	02	03	04	06	08	10
Heat output at $\Delta T$ 50 75/65°C - 20°C	kW max.		4.00	5.56	8.07	11.53	19.48	21.02
	<b>med.</b>		<b>3.60</b>	<b>5.00</b>	<b>7.26</b>	<b>10.38</b>	<b>16.78</b>	<b>18.92</b>
	min.		3.04	4.22	6.13	8.76	14.17	15.97
Heat output at $\Delta T$ 60 90/70°C - 20°C	kW max.		4.80	6.67	9.69	13.84	23.38	25.23
	<b>med.</b>		<b>4.32</b>	<b>6.00</b>	<b>8.72</b>	<b>12.46</b>	<b>20.14</b>	<b>22.71</b>
	min.		3.65	5.07	7.36	10.52	17.01	19.17
Total cooling capacity at 7/12°C - 25°C D.B. - 55% RV	kW max.		1.63	2.28	3.37	4.88	8.02	9.97
	<b>med.</b>		<b>1.47</b>	<b>2.05</b>	<b>3.03</b>	<b>4.39</b>	<b>7.22</b>	<b>8.79</b>
	min.		1.24	1.73	2.56	3.71	6.10	7.40
Perceptible cooling capacity at 7/12°C - 25°C D.B. - 55% RV (1)	kW max.		1.16	1.67	2.40	3.50	5.80	6.90
	<b>med.</b>		<b>1.04</b>	<b>1.50</b>	<b>2.16</b>	<b>3.15</b>	<b>5.22</b>	<b>6.21</b>
	min.		0.88	1.27	1.28	2.66	4.41	5.24
Air flow	m <sup>3</sup> /u max.		380	500	700	880	1350	1700
	<b>med.</b>		<b>295</b>	<b>390</b>	<b>545</b>	<b>690</b>	<b>1050</b>	<b>1325</b>
	min.		220	290	410	510	720	955
Sound level weighted frame of reference 2.10 <sup>-5</sup> Pa (2)	dB(A) / NR max.		41/36	47/42	44/39	50/46	50/45	53/50
	<b>med.</b>		<b>35/31</b>	<b>35/31</b>	<b>36/32</b>	<b>37/33</b>	<b>43/38</b>	<b>43/38</b>
	min.		29/25	29/26	30/26	31/27	33/30	37/33
Sound output level dB frame reference=10 <sup>-12</sup> w	HZ 125 max./med./min.		48/45/42	52/46/42	49/44/38	53/45/38	55/49/45	58/50/46
	HZ 250 max./med./min.		46/44/39	52/45/40	50/43/38	55/44/39	57/50/43	60/51/46
	HZ 500 max./med./min.		46/40/35	51/41/36	49/41/36	56/42/37	54/47/40	57/50/44
	HZ 1000 max./med./min.		42/36/30	47/37/31	49/37/32	51/38/34	51/44/35	55/46/40
	HZ 2000 max./med./min.		37/30/23	44/31/23	39/30/24	46/30/25	47/39/30	53/44/34
	HZ 4000 max./med./min.		32/26/23	40/27/22	36/26/21	41/27/22	42/36/27	47/38/29
	HZ 8000 max./med./min.		25/24/20	37/26/20	33/25/20	37/26/21	34/30/21	39/29/27
Electric connection	V - f - Hz		230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Water content	litre		0.66	0.86	1.34	1.96	3.75	4.03
Number of fans (3)			1	1	2	2	2	3
Number of motors			1	1	1	1	1	1
Capacity condenser	µF		1.5	1.5	1.5	1.5	2	2
Mesured power	Watt		45	68	103	125	193	210
Mesured current	A		0.21	0.32	0.48	0.59	0.92	0.99
Throw distance approximate values at maximum speed (4)	m			4	6	7	9	7

(1) Normal calculation and selection at noticeable cooling capacity and preferably at medium speed.

(2) Measured model: model BRIW with casing and standard heat exchanger. Height: 1 m from the air exhaust grille.  
The sound level is influenced by the dimensions of the room, the reverberation time and other sound sources.

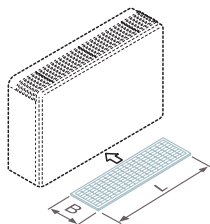
(3) Centrifugal fan(s) with motor (230 - 1 - 50 Hz) with continuously directed condenser.  
Safety with automatical reset. IP 41. Earthing supplied.  
Rollers.

(4) As is the case with almost all dynamic data these distances depend on how the appliances are mounted and how they are placed.  
Channels or connections tend to influence distance and debit to a large extent.



## Brise\_Options

### Filter



Size	02	03	04	06	08	10
Dimensions BxL	21x53	21x53	21x80.5	21x80.5	25x108	25x135.5
CODE 8721...	.121	.121	.125	.125	.115	.116

Recyclable air filter (standard at BRIW and BRIF, option at BRIC, BRBW and BRBC)

### Speed control



Idem for each size	
CODE	8761.0000

Position 0-1-2-3 for wall mounting. 1 per fan convector or 1 regulator for several fan-coils in combination with relay-contacts (see page 135). In both cases the already incorporated speed regulators of the BRIW/BRIF should be disconnected!

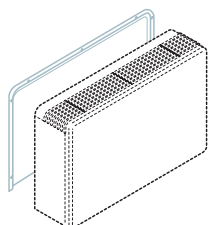
### Speed control / thermostat



Idem for each size	
CODE	8762.0000

Thermostat for wall mounting, with on/off switch and 3 position fan speed control. Suited for heating, cooling or ventilation. With continuous or automatically fan speed control. 1 per fan Brise or 1 regulator for several fan-coils in combination with relay-contacts. (see p.136).

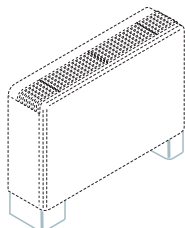
### Rear panel for model BRIW



Size	02	03	04	06	08	10
CODE 8770...	.121	.121	.125	.125	.115	.116

For free-standing models also order feet.

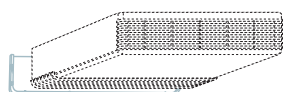
### Feet for model BRIW - BRBW



Size	02	03	04	06	08	10
CODE 8767...	.141	.141	.141	.141	.123	.123

Inclusive protective cover.

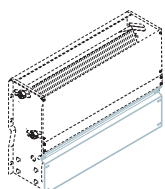
### Fan-seal panel for model BRIC



Size	02	03	04	06	08	10
CODE 8771...	.121	.121	.125	.125	.115	.116

For visible mounting. Seal panel in the same colour as the radiator.

### Fan-seal panel for model BRBW - BRBC

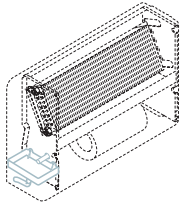


Size	02	03	04	06	08	10
CODE 8775...	.0021	.0021	.0025	.0025	.0015	.0016

For air intake at 1 side and as air-conducting compartments. With built-in models always order.

## Brise\_Options

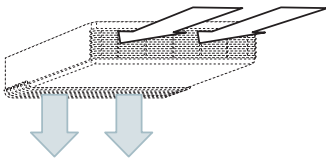
### Condensation tray for model BRIW - BRIF - BRBW



Size	02	03	04	06	08	10
CODE 8769...	.0041	.0041	.0041	.0041	.0023	.0023


Additional condensation tray for cooling. Position underneath the valves.

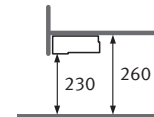
### Transformation to exhaust downwards for model BRIC



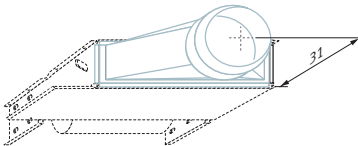
Size	02	03	04	06	08	10
CODE 8774...	...	...	.0025	.0025	.0015	.0016

Inclusive fan-seal panel for BRIC. Maximum height of ceiling: 2.6 m. Maximum fitting height: 2.3 m.

 Only available when ordering with the appliance



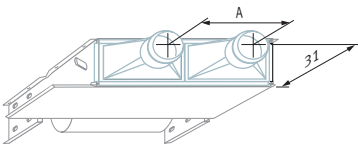
### Plenum with connection $\varnothing 31.5$ cm for model BRBC



Size	02	03	04	06	08	10
CODE 8764...	.0121	.0121	.0125	.0125	.0115	.0116

Exhaust plenum for connection of one air channel. Maximum length of the channel 2 metre, without loss of debit.

### Plenum with 2 connections $\varnothing 16$ cm for model BRBC



Size	02	03	04	06	08	10
CODE 8764...	.0221	.0221	.0225	.0225	.0215	.0216

Exhaust plenum for connection of two air channels. Maximum length of the channel 2 metre, without loss of debit.

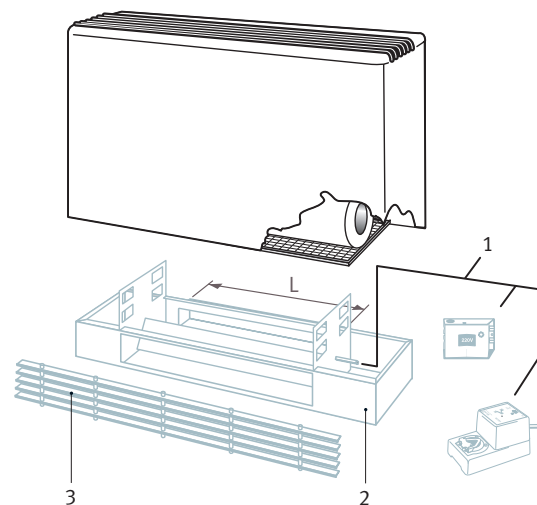
## Brise\_Air mixing box



Brise

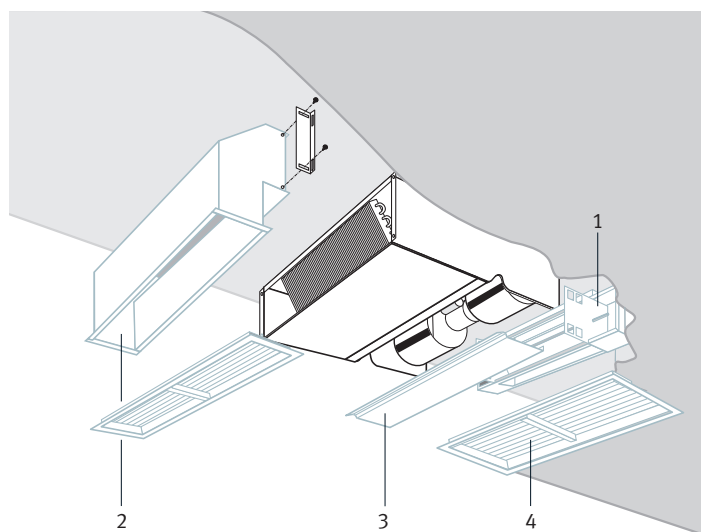
### BRIW\_Brise Wall

1. Servo motor
2. Air mixing box
3. Air inlet grille



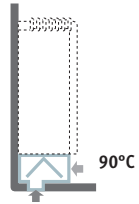
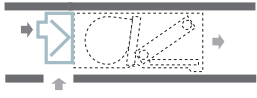
### BRBC\_Brise Build-in Ceiling

1. Air mixing box
2. Corner piece with adjustable air exhausting grille
3. Fan-seal panel
4. Adjustable air inlet grille



## Brise\_Air mixing box

### Air mixing box 90° for model BRIW - BRBW - BRBC

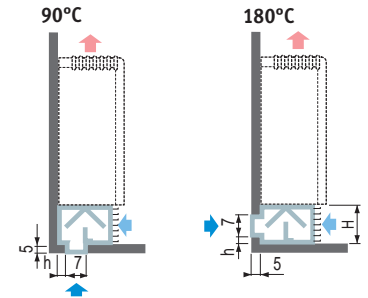


Size	02	03	04	06	08	10
CODE 8784...	.0021	.0021	.0025	.0025	.0015	.0016

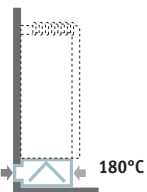
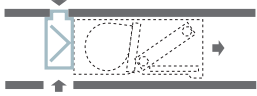
Manual controlled 0 - 100%

**!** MODEL BRIF: the air mixing box does not fit between the feet. For a freestanding model: order model BRIW, rear panel and air mixing box.

Always order a fan-seal panel at model BRBW and BRBC (code 8775).



### Air mixing box 180° for model BRIW - BRBW - BRBC

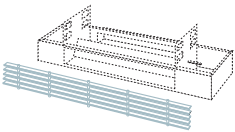


Size	02	03	04	06	08	10
CODE 8763...	.0021	.0021	.0025	.0025	.0015	.0016

Manual controlled 0 - 100%

Size	02	03	04	06	08	10
H	10,0	10,0	10,0	10,0	12,0	12,0
L	46,0	46,0	73,5	73,5	101,0	128,5
h	1,5	1,5	1,5	1,5	2,5	2,5

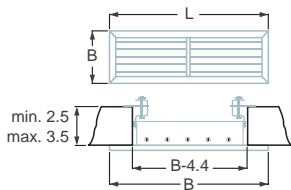
### Air inlet grille for air mixing box model BRIW - BRBW



Size	02	03	04	06	08	10
CODE 8766...	.0021	.0021	.0025	.0025	.0015	.0016

Natural anodized aluminium.

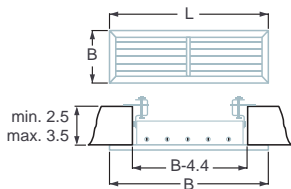
### Adjustable air inlet grille for model BRBC



Size	02	03	04	06	08	10
Dimensions BxL	15.7 x 56.7	15.7 x 56.7	15.7 x 84.2	15.7 x 84.2	15.7 x 111.7	15.7 x 139.2
CODE 8772...	.00211	.00211	.00251	.00251	.00151	.00161

Natural anodized aluminium.

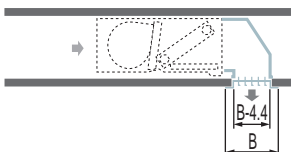
### Adjustable air exhausting grille for model BRBC



Size	02	03	04	06	08	10
Dimensions BxL	23.2 x 56.7	23.2 x 56.7	23.2 x 84.2	23.2 x 84.2	23.2 x 111.7	23.2 x 139.2
CODE 8772...	.0021	.0021	.0025	.0025	.0015	.0016

Natural anodized aluminium.

### Corner piece with adjustable air exhausting grille for model BRBC



Size	02	03	04	06	08	10
Dimensions BxL	15.7 x 56.7	15.7 x 56.7	15.7 x 84.2	15.7 x 84.2	15.7 x 111.7	15.7 x 139.2
CODE 8780...	.0021	.0021	.0025	.0025	.0015	.0016

Always order a fan-seal panel at model BRBW and BRBC (code 8775).

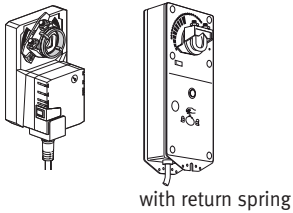


Brise

## Brise\_Servo motors for air mixing boxes

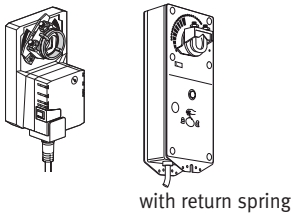
**!** Order Servo motor and/or thermostat for frost protection together with the air mixingbox (pre-mounted delivery).

### Servo motors "on/off"



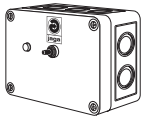
CODE	Drawing	Description
8783.2301	1	Servo motor "on/off-230 V"
8783.2302	2	Servo motor "on/off - 230 V" with return spring
8783.2403	3	Servo motor "on/off - 24 V" with return spring
8783.2304	8/9	Servo motor "on/off-230 V" for switch box 8751.070001 and 8751.070002

### Servo motors modulating



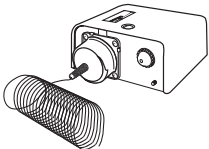
CODE	Drawing	Description
8783.2303	5	Servo motor "modulating - 230 V"
8783.2401	6	Servo motor "modulating - 24 V"
8783.2402	7	Servo motor "modulating - 24 V" with return spring

### Switch boxes for servo motors



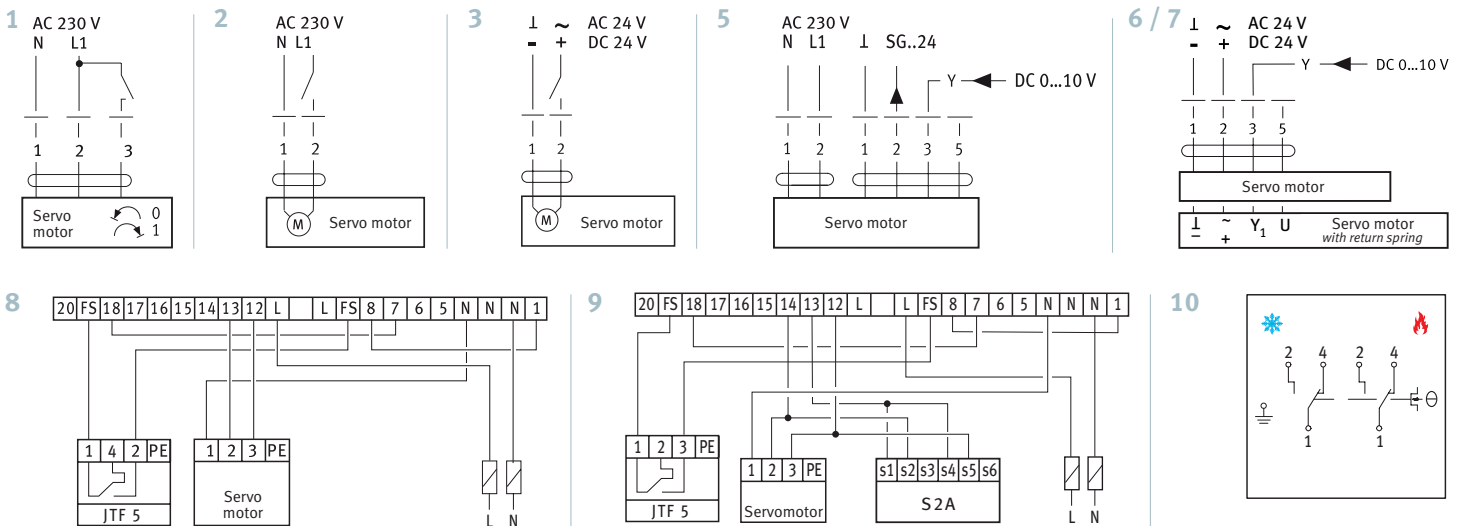
CODE	Drawing	Description
8751.070001	8	Switch box open/closed for servo motor 8783.2304
8751.070002	9	Switch box open/middle/closed, incl. second switch, for servo motor 8783.2304

### Thermostat for frost protection



CODE	Drawing	Description
8751.050003	10	Thermostat for frost protection (from -10° up to +12°C)

### Diagrams



## Brise\_Electric connection

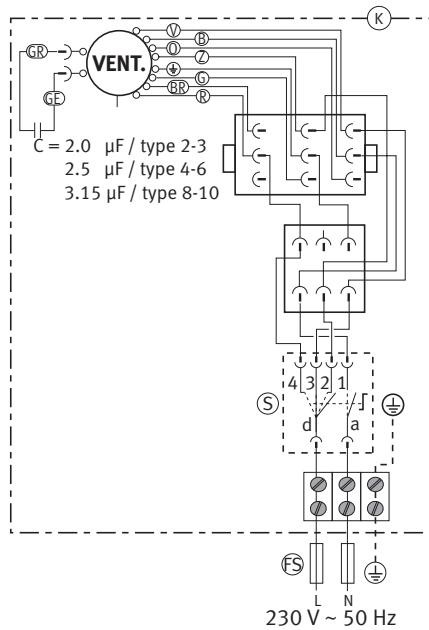


Use 1 switch with 3 speeds per fan convector.

Connect more ventilos at one switch, ONLY by using CONNECTORS.(see drawing).

### Model BRIW

Standard supplied with an integrated three speed control 0-3-2-1

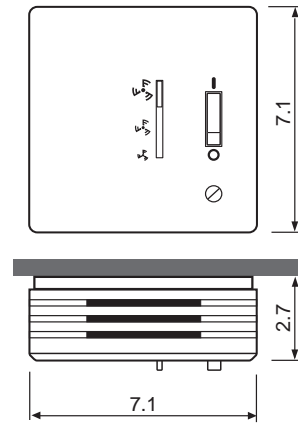


FS Mains connection: safety fuse max. 10 A  
K Brise  
S Speed control

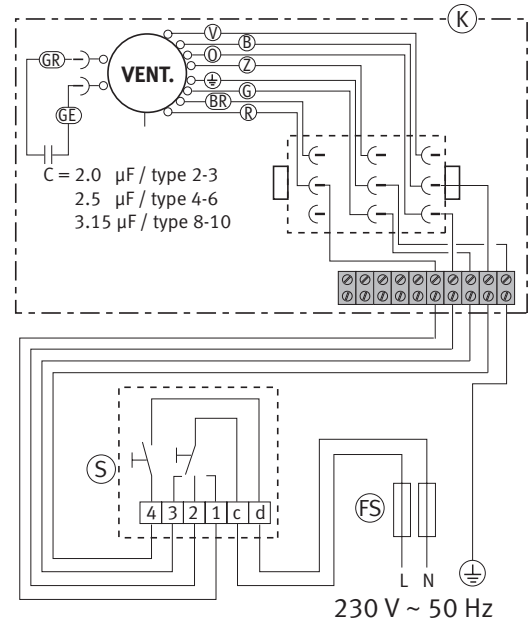
### Model BRIC / BRBW / BRBC

With wall mounted speed control 0-1-2-3

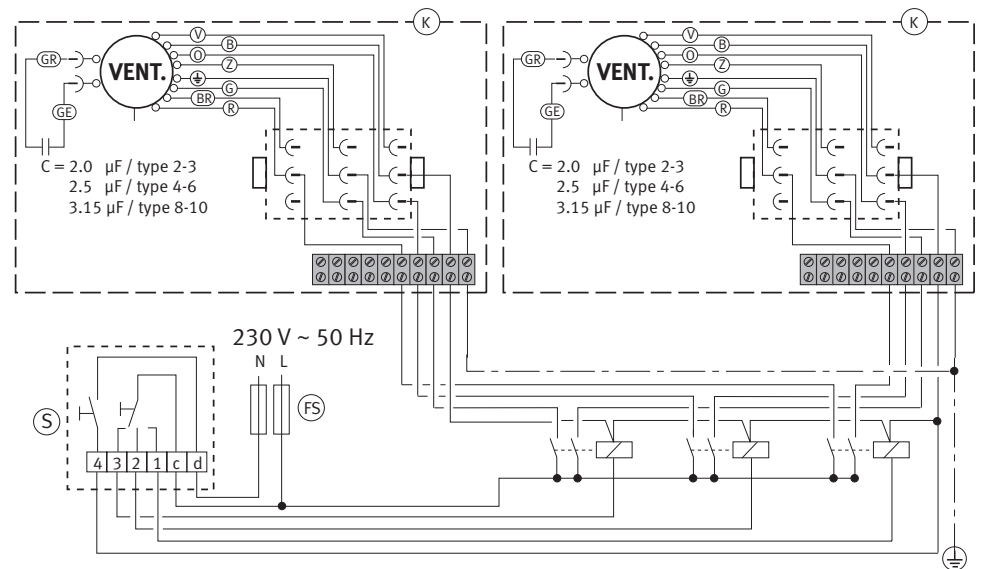
1 speed control per Brise



- code: 8761.0000



1 speed control for several Brise's.



FS Mains connection: safety fuse max. 10 A  
K Brise  
S Speed control



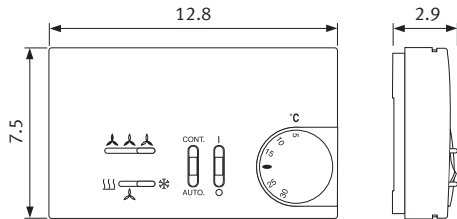
# Brise

## Model BRIC / BRBW / BRBC

With wall mounted thermostat heating/cooling, with speed control

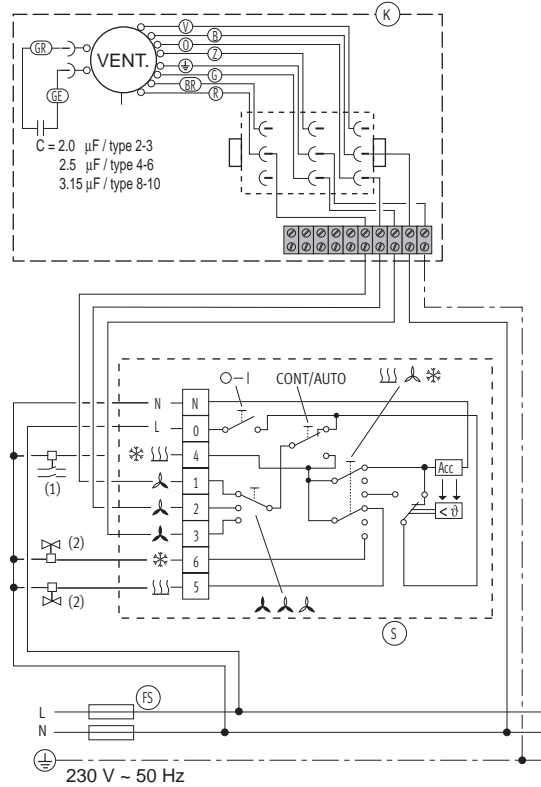


Brise



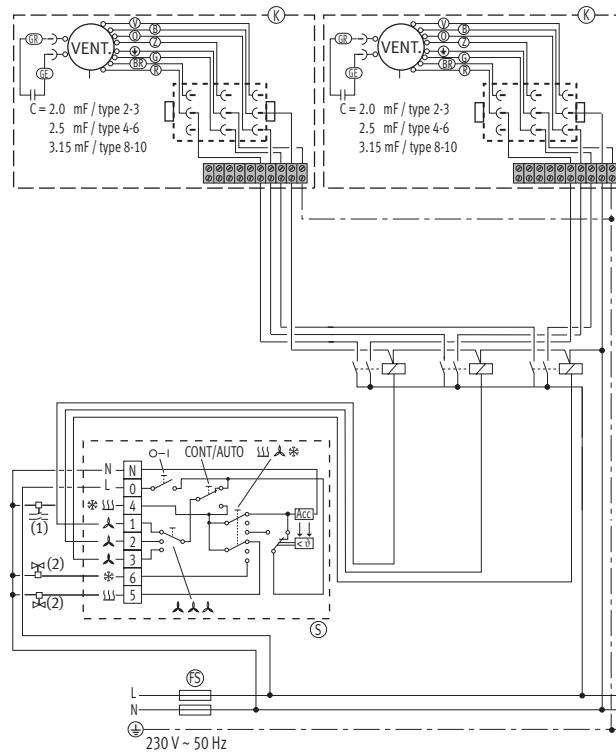
- CODE: 8762.0000

### 1 thermostatic per Brise



- FS Mains connection: safety fuse  
max. 10 A  
K Brise  
S Speed control:  
4 = exit heating/cooling (continuous)  
5 = exit heating (auto)  
6 = exit cooling ( auto)  
<math>\leq \emptyset</math> thermostatic function  
Acc accelerator heater  
O-I ON/OFF switch  
Wavy lines heating  
Fan ventilation  
\* cooling

### 1 thermostatic for several Brise's



- (1) heating or cooling by the standard heat exchanger on a hydraulic heating system.  
(2) heating and cooling by the standard battery and second heat exchanger in separate circuits.

## Brise\_Correction factors

### Average correction factors according 75/65/20°C

Tv	Tl	Tr > 20	25	30	35	40	45	50	55	60	65	70	75	80	85
90	20	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35
	24	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07	1.12	1.17	1.22	1.32
85	20	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	
	24	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07	1.12	1.17	
80	20	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15		
	24	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07		
75	20	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05			
	24	0.47	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.95			
70	20	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95				
	24	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.87				
65	20	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85					
	24	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.77					
60	20	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75						
	24	0.32	0.37	0.42	0.47	0.52	0.57	0.62	0.67						
55	20	0.35	0.40	0.45	0.50	0.55	0.60	0.65							
	24	0.27	0.32	0.37	0.42	0.47	0.52	0.57							
50	20	0.30	0.35	0.40	0.45	0.50	0.55								
	24	0.22	0.27	0.32	0.37	0.42	0.47								
45	20	0.25	0.30	0.35	0.40	0.45									
	24	0.17	0.22	0.27	0.32	0.37									
40	20	0.20	0.25	0.30	0.35										
	24	0.12	0.17	0.22	0.27										
35	20	0.15	0.20	0.25											
	24	0.07	0.12	0.17											
30	20	0.10	0.15												
	24	0.02	0.07												

*Example*

The indicated outputs with  $\Delta T$  50 are the exact outputs. An average correction factor is given in the table above for all other  $\Delta T$  outputs, applicable for all dimensions.

Tv = flow temperature

Tr = return temperature

Tl = desired air temperature

#### Example 1

Select a Brise of 1000 Watt at:

Tv = 75°C, Tr = 65°C and Tl = 20°.

When you want to know how these Brise delivers up at Tv=50°C, Tr=40°C and Tl=24°C.

In the table you can see the factor 0.42 with these temperatures.

The radiator would therefore deliver up on this temperature (10.000 x 0.42) = 420 Watt.

#### Example 2

You want to select a Brise that delivers up 10.000 Watt by

Tv = 50°C, Tr = 40°C and Tl = 24°.

In the table you can see the factor 0.42 with these temperatures.

On Tv = 75°C, Tr = 65°C and Tl = 20° you need to select a Brise of 10.000 : 0.42 = 23.809 Watt.

## Brise

### Correction factors sound level

#### Other room volume

Content (m <sup>3</sup> )	Correction [dB(A)]
80	0
150	-2.7
200	-4.0
250	-4.9
300	-5.7
350	-6.4
400	-7.0
500	-8.0
600	-8.8

Calculation of sound pressure for other local content.

$$P_2 = P_1 - 10 \log \frac{V_2}{V_1}$$

$P_1$  = table of sound level

$P_2$  = sound level to be calculated

$V_1$  = size of room of reference (80 m<sup>3</sup>)

$V_2$  = other room size

#### Other reverberation time

Reverberation Time (s)	Correction [dB(A)]
T2	
2.5	+6.2
2.0	+5.2
1.5	+4.0
1.0	+2.2

$$P_2 = P_1 - 10 \log \frac{T_2}{T_1}$$

$P_1$  = table of sound level

$P_2$  = sound level to be calculated

$T_1$  = reverberation time of room of reference ( $T_1=0.6s$ )

$T_2$  = other reverberation time of room

#### Several appliances with an equal sound level in a room

Number	Correction [dB(A)]
2	+3.0
3	+4.8

$$P_2 = P_1 + 10 \log n$$

$P_1$  = sound level one appliance

$P_2$  = sound level to be calculated

$n$  = number of appliances

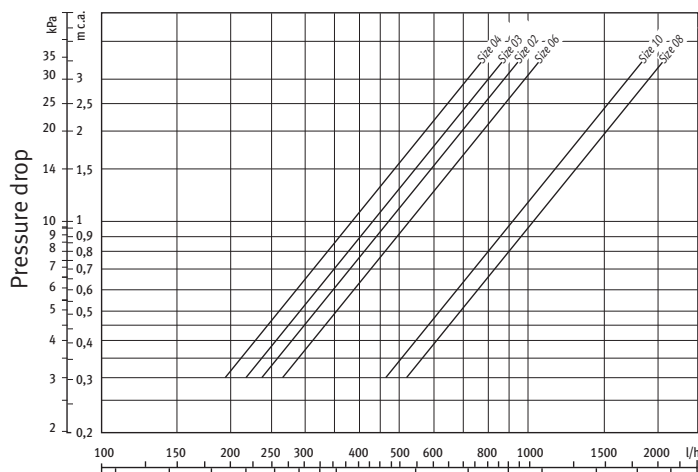
#### The sound level of two sound sources with different values

Difference [dB(A)]	Correction [dB(A)]
0	+3.0
3	+1.8
4	+1.5
5	+1.2
6	+1.0
7	+0.8
8	+0.8
9	+0.6
10	+0.5
>10	+0.4

Use this table to determine the total sound in a room with two sound sources of a different sound level (f.i. immediate air inlet and outlet in the room), one can use the following table. The correction value had to be added to the highest value.

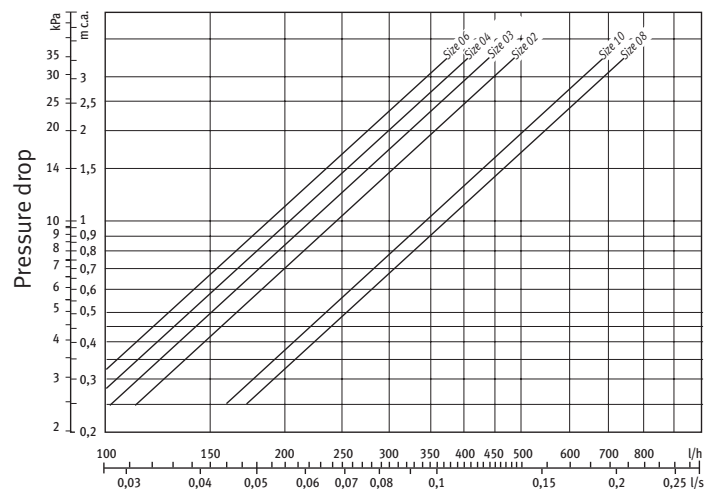
## Correction factors hydraulic pressure drop

#### Pressure drop standard heat exchanger



Average water temperature 60°C.

#### Pressure drop second heat exchanger (B4)



Average water temperature 60°C.

#### Correction factors for other speeds

	max.	med.	min.
Cf	1	0.9	0.76



**Caution:**  
the indicated pressure drop only applies for the heat exchanger without shields, pipes, etc...

# Brise

## Determination relative humidity, dry and wet bulb temperature

T	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
°C																
-5	100	77	58	32	...	...	...	...	...	...	...	...	...	...	...	...
0	100	90	63	46	30	13	...	...	...	...	...	...	...	...	...	...
+5	100	85	70	55	43	29	17	...	...	...	...	...	...	...	...	...
10	100	86	74	62	50	39	27	16	..	...	...	...	...	...	...	...
11	100	87	75	63	52	41	31	19	9	...	...	...	...	...	...	...
12	100	88	76	64	54	43	33	22	12	4	...	...	...	...	...	...
13	100	88	77	65	55	45	35	25	15	6	...	...	...	...	...	...
14	100	88	77	67	56	46	37	27	18	9	...	...	...	...	...	...
15	100	88	78	68	58	48	39	30	22	13	5	...	...	...	...	...
16	100	90	78	69	60	50	41	32	24	16	7	...	...	...	...	...
17	100	90	80	69	60	51	42	34	26	18	10	...	...	...	...	...
18	100	90	80	71	61	53	44	37	28	20	13	6	...	...	...	...
19	100	90	81	72	62	54	46	38	30	23	15	9	...	...	...	...
20	100	90	81	73	64	56	47	40	32	25	18	11	...	...	...	...
21	100	91	81	73	65	57	49	41	35	27	20	14	6	...	...	...
22	100	91	82	74	66	58	50	43	36	29	22	16	9	...	...	...
23	100	91	83	75	67	58	52	45	37	31	25	18	12	6	...	...
24	100	92	83	75	67	60	52	46	39	33	26	21	14	9	...	...
25	100	92	83	76	68	61	54	47	41	34	28	22	17	11	6	...
26	100	92	84	76	69	62	55	48	42	36	30	24	18	13	8	3
27	100	92	85	77	70	63	56	50	43	37	31	26	20	15	10	5
28	100	92	85	77	70	63	57	51	45	38	33	28	22	17	12	8
29	100	93	85	79	71	64	58	51	46	40	34	29	24	19	14	9
30	100	93	86	79	72	65	59	53	47	41	36	30	25	21	16	11

Example:

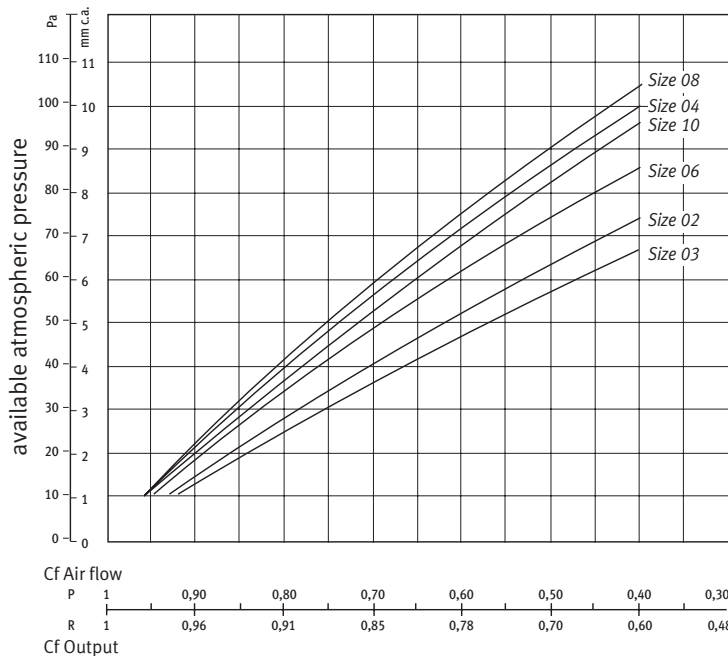
dry bulb temperature. = 24 °C

relative humidity = 60 %  $\Delta T=5$

wet bulb temperature = dry bulb temperature -  $\Delta T$

wet bulb temperature = example 24 - 5 = 19°C

## Available atmospheric pressure and correction factors for built in BRBC/BRBW



### Correction factors for other speeds

	max.	med.	min.
Cf	1	0.9	0.76



Brise