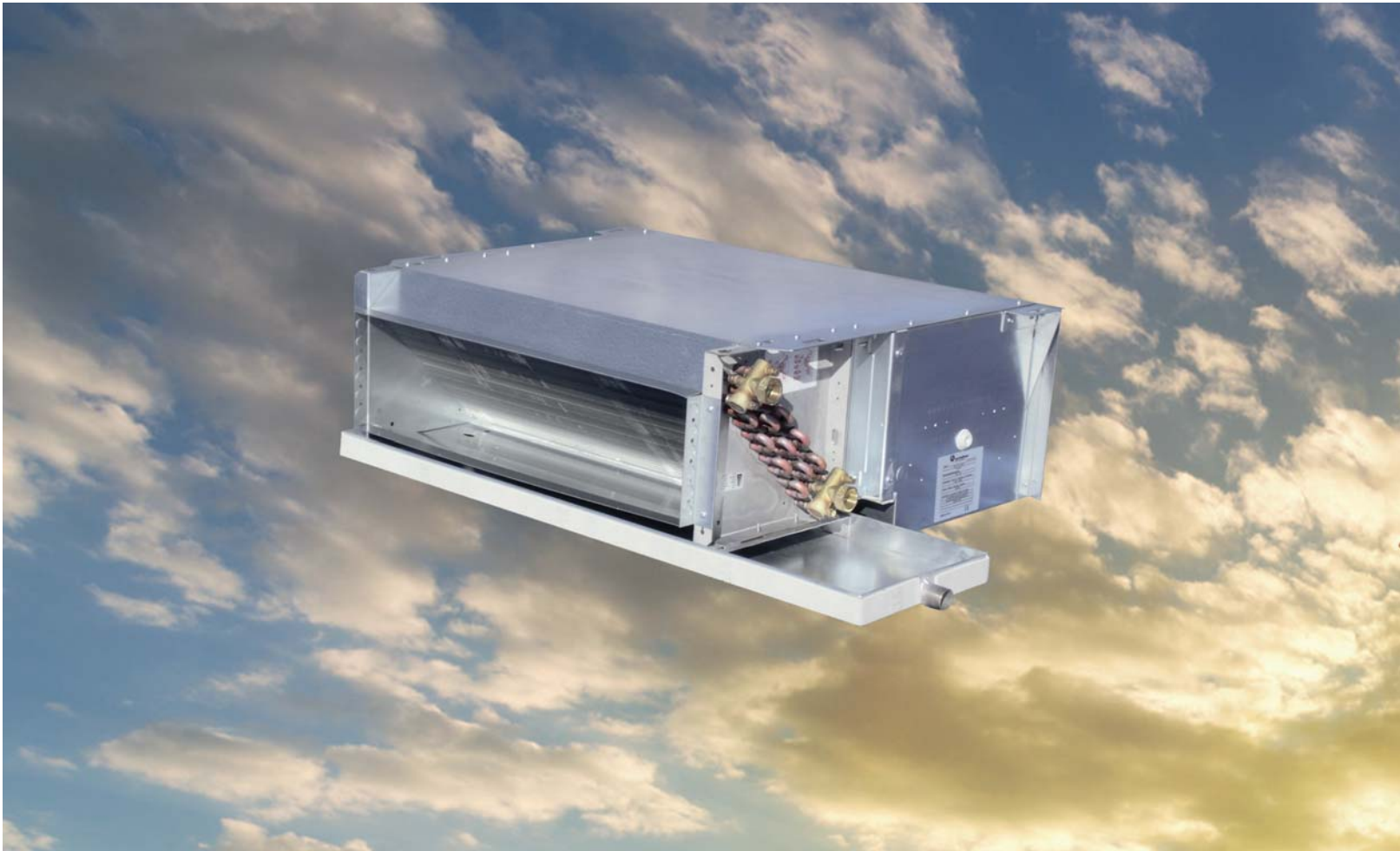


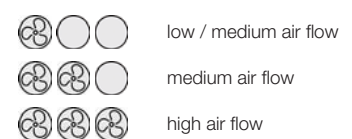
DUCTED UNITS



Bini Clima ducted units are the optimal solution for **limited space** mainly used for **installation in the false ceiling**.

The **design** of the units and the **optimally selected fans** guarantee **quiet operation** even at high external static pressure.

The units can be vertical or horizontal.



DUCTED UNITS

FOH, FOH-EC



horizontal

- rear or bottom intake (on request)
- horizontal discharge
- easily removable G2 (MERV 2-4) filter
- 2 or 4 pipe systems
- coil with 3 or 3+1 rows
- extended drain pan insulated 5 mm
- AC-motor (FOH) and EC-motor (FOH-EC)
- vertical version FIH (AC) & FIH-EC (EC)

**FOH 50 Pa
FOH-EC 90 Pa**



Size (data - ESP 0 Pa)	FOH	025	035	050	070	090
Nominal airflow ⁽⁰⁾	m ³ /h	450	505	900	1160	1360
Total cooling capacity ⁽¹⁾	kW	2,89	3,78	6,55	8,64	10,29
Sensible cooling capacity ⁽¹⁾	kW	2,02	2,48	4,20	5,58	6,57
Heating capacity ⁽²⁾	kW	3,68	4,43	7,62	10,04	11,81
Heating capacity ⁽³⁾	kW	6,25	7,44	12,73	16,79	19,72
Sound Power Level Lw ⁽⁴⁾	dB(A)	54,0	53,2	56,8	58,6	58,6
Sound pressure Level Lp ⁽⁴⁾	dB(A)	36,0	35,2	38,6	40,6	40,6
Width "A"	mm	700	900	1100	1500	1700

FOH-EC	025	035	050	070	090
m ³ /h	530	570	785	1065	1415
kW	2,32	3,26	4,74	6,44	8,62
kW	1,84	2,25	3,16	4,34	5,63
kW	3,21	4,23	5,88	8,08	10,57
kW	5,62	7,19	9,91	13,67	17,84
dB(A)	58,4	58,9	56,7	60,7	61,8
dB(A)	40,4	40,9	38,7	42,7	43,8
mm	700	900	1100	1500	1700

⁽⁰⁾ 3R (10T) - Maximum speed
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: octave band center frequency - Lp=Lw-18dB(A)

⁽⁰⁾ 3R (10T) - Voltage 10 Vdc
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: Octave band center frequency - Lp=Lw-18dB(A)

FK



horizontal

- rear or bottom intake (on request)
- horizontal discharge
- easily removable G2 (MERV 2-4) filter
- 2 or 4 pipe systems
- coil with 3 or 3+1 rows
- extended drain pan insulated 5 mm
- AC-motor

FK 120 Pa



Size (data - ESP 0 Pa)	FK	600	700
Nominal airflow ⁽⁰⁾	m ³ /h	1270	1460
Total cooling capacity ⁽¹⁾	kW	8,91	10,30
Sensible cooling capacity ⁽¹⁾	kW	5,72	6,63
Heating capacity ⁽²⁾	kW	10,48	12,14
Heating capacity ⁽³⁾	kW	17,59	20,35
Sound Power Level Lw ⁽⁴⁾	dB(A)	69,1	69,3
Sound pressure Level Lp ⁽⁴⁾	dB(A)	51,1	51,3
Width "A"	mm	1300	1500

⁽⁰⁾ 3R (10T) - Maximum speed
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: octave band center frequency - Lp=Lw-18dB(A)

DUCTED UNITS

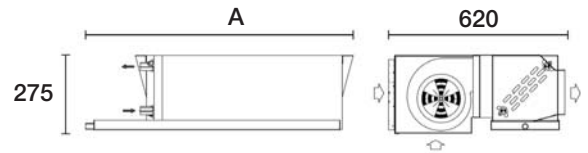
CKH, CEH



horizontal

- bottom or rear intake (on request)
- horizontal discharge
- easily removable G3 (MERV 5) filter
- 2 or 4 pipe systems
- coil with 3, 4 or 3+1 rows
- extended drain pan insulated 5 mm
- AC-motor (CKH) and EC-motor (CEH)
- vertical version CKV (AC) & CEV (EC)

**CKH 150 Pa
CEH 120 Pa**



Size (data - ESP 0 Pa)	CKH	09	11	17	20	23	32
Nominal airflow ⁽⁰⁾	m ³ /h	830	990	1680	1850	2490	2825
Total cooling capacity ⁽¹⁾	kW	5,59	7,17	11,55	13,24	17,38	21,48
Sensible cooling capacity ⁽¹⁾	kW	3,68	4,72	7,54	8,59	12,23	13,75
Heating capacity ⁽²⁾	kW	6,82	8,50	13,83	15,63	20,63	24,62
Heating capacity ⁽³⁾	kW	11,47	14,23	23,22	26,17	34,58	41,11
Sound Power Level Lw ⁽⁴⁾	dB(A)	63,3	64,4	66,9	66,7	68,1	69,1
Sound pressure Level Lp ⁽⁴⁾	dB(A)	45,3	46,4	48,9	48,7	50,1	51,1
Width "A"	mm	700	900	1100	1300	1500	1900

CEH	09	11	17	20M	23	32M
m ³ /h	948	1238	1422	1718	2595	3012
kW	5,03	6,91	8,71	10,67	15,33	18,35
kW	3,51	4,77	5,80	7,05	10,12	12,14
kW	6,60	8,96	10,77	13,11	18,99	22,60
kW	11,31	15,26	18,17	22,12	32,07	38,15
dB(A)	64,9	66,0	68,9	63,5	71,3	69,0
dB(A)	46,9	48,0	50,9	45,5	53,3	51,0
mm	700	900	1100	1300	1500	1900

⁽⁰⁾ 4R (10T) - Maximum speed
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: octave band center frequency - Lp=Lw-18dB(A)

⁽⁰⁾ 4R (10T) - Voltage 10 Vdc
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: Octave band center frequency - Lp=Lw-18dB(A)

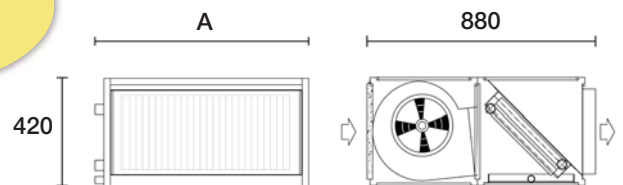
TO-EC



horizontal

- rear intake and horizontal discharge
- easily removable G3 (MERV 5) filter
- 2 or 4 pipe systems
- coil with 4, 5, 4+1 or 5+1 rows
- drain pan insulated 5 mm
- auxiliary drain pan insulated 5 mm (on request)
- EC-motor

TO-EC 200 Pa



Size (data - ESP 0 Pa)	TO-EC	20	25	30	35	50	60
Nominal airflow ⁽⁰⁾	m ³ /h	2500	3060	3745	4180	5225	6870
Total cooling capacity ⁽¹⁾	kW	15,14	18,76	22,98	26,01	31,86	40,12
Sensible cooling capacity ⁽¹⁾	kW	9,74	12,05	14,68	16,59	20,30	25,66
Heating capacity ⁽²⁾	kW	19,49	24,00	29,31	33,01	40,63	51,88
Heating capacity ⁽³⁾	kW	32,94	40,54	49,52	55,66	68,57	87,74
Sound Power Level Lw ⁽⁴⁾	dB(A)	68,9	64,9	69,1	70,3	69,9	74,6
Sound pressure Level Lp ⁽⁴⁾	dB(A)	50,9	46,9	51,1	52,3	51,9	56,6
Width "A"	mm	1000	1200	1400	1600	1800	2000

⁽⁰⁾ 4R (16T) - Voltage 10 Vdc
⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C
⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling
⁽³⁾ Air: 20° C - Water in 70 / 60° C
⁽⁴⁾ Lw: Octave band center frequency - Lp=Lw-18dB(A)

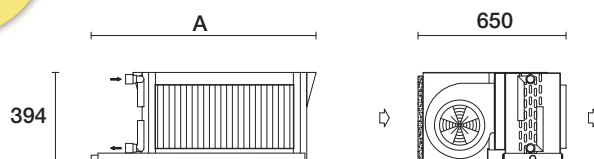
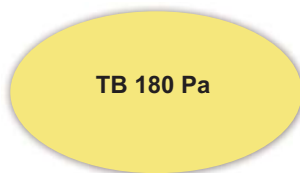
DUCTED UNITS

TB



vertical

- bottom intake and vertical discharge
- easily removable G3 (MERV 5) filter
- 2 or 4 pipe systems
- coil with 4, 5, 4+1 or 5+1 rows
- drain pan insulated 5 mm
- auxiliary drain pan insulated 5 mm (on request)
- EC-motor



Size (data - ESP 0 Pa)	TB	10	11	22	23	31	32
Nominal airflow ⁽⁰⁾	m ³ /h	1530	1720	2990	3300	4390	4880
Total cooling capacity ⁽¹⁾	kW	10,97	12,02	21,88	23,56	31,50	33,96
Sensible cooling capacity ⁽¹⁾	kW	7,14	7,77	14,08	15,15	20,15	21,82
Heating capacity ⁽²⁾	kW	12,96	14,26	25,52	27,69	36,85	40,14
Heating capacity ⁽³⁾	kW	21,72	23,94	42,68	46,36	61,67	67,29
Sound Power Level Lw ⁽⁴⁾	dB(A)	69,0	68,7	72,2	72,1	73,5	73,3
Sound pressure Level Lp ⁽⁴⁾	dB(A)	51,0	50,7	54,2	54,1	55,5	55,3
Width "A"	mm	980	980	1580	1580	1980	1980

⁽⁰⁾ 4R (16T) - Voltage 10 Vdc

⁽¹⁾ Air: 27° C, 50 % - Water in: 7 / 12° C

⁽²⁾ Air: 20° C - Water in 50° C same water flow as cooling

⁽³⁾ Air: 20° C - Water in 70 / 60° C

⁽⁴⁾ Lw: Octave band center frequency - Lp=Lw-18dB(A)