

Water terminal unit
Cassette-type indoor installation
Capacity from 3,02 to 10,64 kW

ELFOSpace BOX3

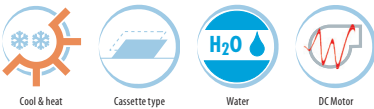


The **ELFOSpace BOX3** terminal unit has been designed for installation in suspended ceilings without requiring any extra part for operation. The ELFOSpace BOX3 is therefore suited for use in environments such as shops, restaurants, hotels and gyms, where the excellent outflowing air control makes them ideal air-conditioning units:

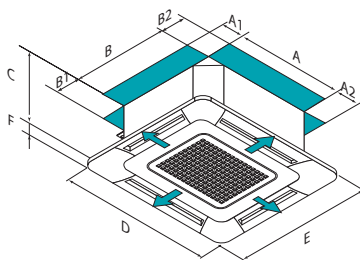
- ▶ versions for 2 and 4-pipe systems;
- ▶ available with standard DC Brushless motor;
- ▶ suited for installation in standard suspended ceilings with 600 x 600 mm module;
- ▶ high standards of efficiency and quiet operation for unit with 800 X 800 mm module;
- ▶ standard version with infrared electronics;
- ▶ the unit comes with a condensate drain pump built-in.



functions and features



dimensions and clearances



CAUTION! For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Size – CFK			007.0	011.0	015.0	021.0	031.0	041.0
CC2	A - Length	mm	575	575	575	840	840	840
CC2	B - Width	mm	575	575	575	840	840	840
CC2	C - Height	mm	261	261	261	230	300	300
CC2	D - Length	mm	647	647	647	950	950	950
CC2	E - Width	mm	647	647	647	950	950	950
CC2	F - Height	mm	50	50	50	45	45	45
CC2	A1	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC2	A2	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC2	B1	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC2	B2	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC2	Operating weight	kg	16,5+2,5	16,5+2,5	16,5+2,5	23+6	27+6	29,5+6
CC4	A - Length	mm	575	575	575	840	840	840
CC4	B - Width	mm	575	575	575	840	840	840
CC4	C - Height	mm	261	261	261	300	300	300
CC4	D - Length	mm	647	647	647	950	950	950
CC4	E - Width	mm	647	647	647	950	950	950
CC4	F - Height	mm	50	50	50	45	45	45
CC4	A1	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC4	A2	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC4	B1	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC4	B2	mm	>1000	>1000	>1000	>1000	>1000	>1000
CC4	Operating weight	kg	16,7+2,5	16,7+2,5	16,7+2,5	27,5+6	30+6	30+6

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Technical Bulletin.

CC2 2 pipes
CC4 4-pipe

versions and configurations

PLASTIC FRAME FOR AIR SUPPLY AND RETURN:

- ▶ **PLAX** Plastic frame for air supply and return

COIL CONFIGURATION:

- ▶ **CC2** Coil configuration for 2-pipe system (Standard)
- ▶ **CC4** Coil configuration for 4-pipe system

STANDARD CONFIGURATION:

- ▶ **IRPCB** Electronics with infrared remote control
- ▶ **R05** R05 infrared remote control
- ▶ **VEC** High efficiency EC fan

technical data

Size – CFK		007.0	011.0	015.0	021.0	031.0	041.0
2-pipe							
HIGH SPEED							
Airflow	m ³ /h	560	717	785	1.133	1.596	1.850
▶ Cooling capacity	(1) kW	3,02	3,93	4,24	5,58	7,01	10,64
Sensible capacity	(1) kW	2,23	2,93	3,16	4,21	5,27	7,92
Water flow-rate	(1) l/h	520	680	730	960	1.210	1.830
Water pressure drop	(1) kPa	7,40	12,00	9,40	21,00	23,00	36,00
▶ Heating capacity	(2) kW	3,48	4,53	4,90	6,57	8,20	12,19
Water flow-rate	(2) l/h	600	790	850	1.140	1.420	2.120
Water pressure drop	(2) kPa	10,64	14,08	12,54	30,22	27,17	44,62
Total power input	W	23	27	32	42	90	124
MEDIUM SPEED							
Airflow	m ³ /h	392	502	550	793	1.117	1.295
▶ Cooling capacity	(1) kW	2,29	3,00	3,25	4,42	5,52	8,10
Sensible capacity	(1) kW	1,67	2,21	2,39	3,29	4,09	5,95
Water flow-rate	(1) l/h	390	520	560	760	950	1.400
Water pressure drop	(1) kPa	4,63	7,60	5,98	14,17	15,34	22,66
▶ Heating capacity	(2) kW	2,62	3,44	3,72	5,15	6,40	9,19
Water flow-rate	(2) l/h	450	600	650	890	1.110	1.600
Water pressure drop	(2) kPa	6,49	8,76	7,80	19,89	17,77	27,47
Total power input	W	12	17	22	29	35	57
LOW SPEED							
Airflow	m ³ /h	280	359	393	567	798	925
▶ Cooling capacity	(1) kW	1,74	2,31	2,49	3,45	4,29	6,17
Sensible capacity	(1) kW	1,26	1,67	1,80	2,54	3,15	4,48
Water flow-rate	(1) l/h	300	400	430	590	740	1060
Water pressure drop	(1) kPa	2,91	4,78	3,62	9,24	9,90	11,87
▶ Heating capacity	(2) kW	1,95	2,59	2,80	4,00	4,95	6,90
Water flow-rate	(2) l/h	340	450	490	690	860	1.200
Water pressure drop	(2) kPa	3,92	5,39	4,79	12,88	11,43	16,84
Total power input	W	8	12	14	18	17	39
4-pipe							
HIGH SPEED							
Airflow	m ³ /h	560	717	785	1.187	1.768	1.852
▶ Cooling capacity	(1) kW	2,39	2,88	3,24	4,94	9,02	9,16
Sensible capacity	(1) kW	1,88	2,33	2,63	3,97	6,98	7,11
Water flow-rate	(1) l/h	410	500	560	850	1.550	1.580
Water pressure drop	(1) kPa	19,10	14,50	20,90	15,00	70,00	72,00
▶ Heating capacity	(3) kW	3,31	3,97	4,05	5,80	8,82	9,34
Water flow-rate	(3) l/h	290	350	350	500	770	810
Water pressure drop	(3) kPa	11,56	16,32	16,35	17,13	19,84	23,96
Total power input	W	23	27	39	47	106	124
MEDIUM SPEED							
Airflow	m ³ /h	397	502	550	831	1.238	1.323
▶ Cooling capacity	(1) kW	1,90	2,31	2,60	3,94	6,87	7,11
Sensible capacity	(1) kW	1,46	1,81	2,04	3,08	5,20	5,41
Water flow-rate	(1) l/h	330	400	450	680	1.180	1.230
Water pressure drop	(1) kPa	12,91	9,79	13,70	7,91	42,74	46,31
▶ Heating capacity	(3) kW	2,57	3,09	3,15	4,50	6,62	7,15
Water flow-rate	(3) l/h	220	270	270	390	580	620
Water pressure drop	(3) kPa	7,50	10,65	10,68	11,14	12,15	15,23
Total power input	W	12	17	22	41	85	92
LOW SPEED							
Airflow	m ³ /h	284	359	393	594	884	945
▶ Cooling capacity	(1) kW	1,47	1,81	2,04	3,09	5,19	5,40
Sensible capacity	(1) kW	1,11	1,39	1,56	2,36	3,87	4,04
Water flow-rate	(1) l/h	250	310	350	530	890	930
Water pressure drop	(1) kPa	8,16	4,81	6,27	4,45	17,89	20,94
▶ Heating capacity	(3) kW	1,96	2,38	2,42	3,45	4,93	5,35
Water flow-rate	(3) l/h	170	210	210	300	430	470
Water pressure drop	(3) kPa	4,73	6,84	6,80	6,42	6,01	8,42
Total power input	W	8	12	14	30	42	58
Standard power supply	V	220-240/1/50					
Type of supply fan	(4) -	RAD DC					
No. of supply fans	-	1					
H Sound pressure level	(5) dB(A)	34	40	43	42	48	50
M Sound pressure level	(5) dB(A)	29	36	37	33	39	40
L Sound pressure level	(5) dB(A)	21	28	30	26	32	33
H Sound power level	(5) dB(A)	45	51	54	53	59	61
M Sound power level	(5) dB(A)	40	47	49	45	51	52
L Sound power level	(5) dB(A)	32	40	41	37	43	45

Notes

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

- (1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.
- (2) Entering exchanger water 45°C (temperature differential 5°C) - Ambient air 20°C

(3) Entering exchanger water 65°C (temperature differential 10°C) - Ambient air 20°C

(4) RAD DC = DC Brushless radial fan

(5) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems. The sound pressure level refers to 1 m from the external surface of the unit operating in the open field.



accessories

- ▶ **3V2X** Three-way valve kit for 2-pipe "on/off" system
- ▶ **3V4X** Three-way valve kit for 4-pipe "on/off" system
- ▶ **KJR90X** KJR90 electronic room control for wall installation
- ▶ **KJR150X** Indoor units group controller
- ▶ **CCM30BX** Centralized controller with case
- ▶ **CCM08X** Bacnet gateway
- ▶ **LONGWX** Lonworks gateway
- ▶ **CCM18UX** Modbus gateway up to 16 indoor units
- ▶ **CCM18X** Modbus gateway up to 64 indoor units
- ▶ **DTX** Auxiliary condensate collection tray

Key to symbols and notes

- Accessories separately supplied

For compatibility between the various accessories, please refer to the dedicated Technical Bulletin or our website in the Systems and Products section.

