

Water terminal unit

Cased and uncased, vertical and horizontal indoor installation
Capacity from 1,5 to 10,7 kW

ELFOSpace



ELFOSpace
OUT-V



ELFOSpace
OUT-H



ELFOSpace
IN-V



ELFOSpace
IN-H

ELFOSpace OUT and IN are the cased and uncased water terminal for installation in the commercial sector.

- Versions for 2 and 4-pipe systems;
- Available with DC Brushless ventilating unit (sizes 003.0÷031.0);
- The available controls are simple and user-friendly, satisfying the most varied of requirements;
- Designed for connection to the ELFOControl² or general supervisors;
- Low noise operation and easy to clean;
- Twelve sizes available with an almost countless number of accessories for resolving any service application.

functions and features



Cool & heat



Vertical: cased



Vertical: uncased



Horizontal: cased



Horizontal: uncased



Water

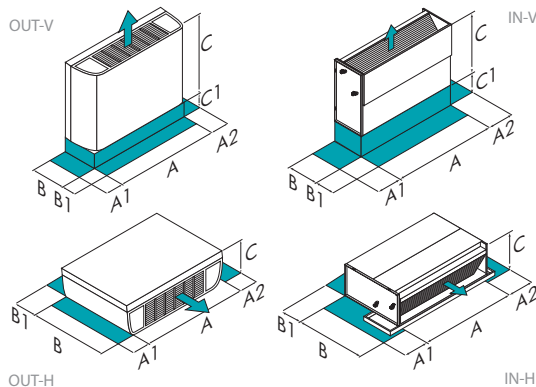


ELFOControl²



DC Motor

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 – ELFOSPACE			003.0	005.0	007.0	009.0	011.0	015.0	017.0	021.0	025.0	031.0	041.0	051.0
OUTV	A - Length	mm	670	670	870	870	1070	1070	1270	1270	1470	1470	1670	1670
OUTV	B - Width	mm	220	220	220	220	220	220	220	220	220	220	220	220
OUTV	C - Height	mm	470	470	470	470	470	470	470	470	470	470	470	470
OUTV	A1	mm	20	20	20	20	20	20	20	20	20	20	20	20
OUTV	A2	mm	20	20	20	20	20	20	20	20	20	20	20	20
OUTV	B1	mm	250	250	250	250	250	250	250	250	250	250	250	250
OUTV	C1	mm	90	90	90	90	90	90	90	90	90	90	90	90
INV	A - Length	mm	450	450	650	650	850	850	1050	1050	1250	1250	1450	1450
INV	B - Width	mm	215	215	215	215	215	215	215	215	215	215	215	215
INV	C - Height	mm	450	450	450	450	450	450	450	450	450	450	450	450
INV	A1	mm	200	200	200	200	200	200	200	200	200	200	200	200
INV	A2	mm	200	200	200	200	200	200	200	200	200	200	200	200
INV	B1	mm	250	250	250	250	250	250	250	250	250	250	250	250
INV	C1	mm	90	90	90	90	90	90	90	90	90	90	90	90
OUTH	A - Length	mm	670	670	870	870	1070	1070	1270	1270	1470	1470	1670	1670
OUTH	B - Width	mm	470	470	470	470	470	470	470	470	470	470	470	470
OUTH	C - Height	mm	220	220	220	220	220	220	220	220	220	220	220	220
OUTH	A1	mm	20	20	20	20	20	20	20	20	20	20	20	20
OUTH	A2	mm	20	20	20	20	20	20	20	20	20	20	20	20
OUTH	B1	mm	90	90	90	90	90	90	90	90	90	90	90	90
INH	A - Length	mm	545	545	745	745	945	945	1145	1145	1345	1345	1545	1545
INH	B - Width	mm	450	450	450	450	450	450	450	450	450	450	450	450
INH	C - Height	mm	215	215	215	215	215	215	215	215	215	215	215	215
INH	A1	mm	200	200	200	200	200	200	200	200	200	200	200	200
INH	A2	mm	200	200	200	200	200	200	200	200	200	200	200	200
INH	B1	mm	90	90	90	90	90	90	90	90	90	90	90	90
CC2-INV	Operating weight	kg	11	11	14	14	20	20	23	24	27	28	31	34
CC2-INH	Operating weight	kg	11	12	14	15	20	21	23	25	27	29	31	35
CC4-INV	Operating weight	kg	12	12	14	15	21	22	24	26	28	30	32	36
CC4-INH	Operating weight	kg	12	12	15	16	21	22	24	26	28	30	32	36
CC2-OUTV	Operating weight	kg	14	14	16	17	22	24	26	28	30	32	34	38
CC2-OUTH	Operating weight	kg	15	15	18	19	24	26	28	30	33	34	37	41
CC4-OUTV	Operating weight	kg	16	16	19	20	26	27	30	31	34	36	39	42
CC4-OUTH	Operating weight	kg	14	15	17	18	24	25	27	29	31	33	35	39

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.

OUTV Vertical cased version
INV Vertical uncased version
OUTH Horizontal cased version
INH Horizontal uncased version
CC2-INV 2 pipes-Vertical uncased version

CC2-INH 2 pipes-Horizontal uncased version
CC4-INV 4 tubes-Vertical uncased version
CC4-INH 4 tubes-Horizontal uncased version
CC2-OUTV 2 pipes-Vertical cased version
CC2-OUTH 2 pipes-Horizontal cased version
CC4-OUTV 4 tubes-Horizontal cased version
CC4-OUTH 4 tubes-Vertical cased version

versions and configurations

VERSION:

- **INV** Vertical uncased version (Standard)
- **OUTV** Vertical cased version
- **OUTH** Horizontal cased version
- **INH** Horizontal uncased version

COIL CONFIGURATION:

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

WATER FITTINGS:

- **SX** Water fittings to the left (Standard)
- **DX** Water fittings to the right

technical data

Size – ELFOSPACE			003.0	005.0	007.0	009.0	011.0	015.0	017.0	021.0	025.0	031.0	041.0	051.0
2 pipes														
► Cooling capacity	(1)	kW	1,50	2,00	2,53	3,02	3,75	4,25	5,52	6,42	7,53	9,02	9,60	10,7
Sensible capacity	(1)	kW	1,29	1,62	2,07	2,31	2,87	3,23	4,33	4,80	5,67	6,62	7,64	8,36
Total power input		kW	0,055	0,055	0,085	0,085	0,075	0,075	0,14	0,14	0,18	0,18	0,28	0,28
► Heating capacity	(2)	kW	3,74	4,91	5,98	6,71	8,16	9,44	12,0	13,3	15,5	18,1	21,1	23,2
Total power input		kW	0,055	0,055	0,085	0,085	0,075	0,075	0,14	0,14	0,18	0,18	0,28	0,28
Supply airflow	(3)	l/s	103	111	139	153	186	200	278	292	356	364	531	539
Type of supply fan	(4)	-	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG
Number of supply fans		Nr	1	1	1	1	2	2	2	2	2	2	3	3
Standard power supply		V	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Sound pressure level (1 m)	(5)	dB(A)	44	44	50	51	43	43	49	51	54	55	57	57
4 tubes														
► Cooling capacity	(1)	kW	1,45	1,94	2,47	2,92	3,65	4,11	5,39	6,23	7,35	8,81	9,42	10,5
Sensible capacity	(1)	kW	1,24	1,57	2,02	2,22	2,78	3,11	4,21	4,64	5,52	6,44	7,47	8,18
Total power input		kW	0,055	0,055	0,085	0,085	0,075	0,075	0,14	0,14	0,18	0,18	0,28	0,28
► Heating capacity	(6)	kW	1,88	1,98	3,18	3,35	4,38	4,55	6,29	6,46	7,99	8,11	11,1	11,2
Total power input		kW	0,055	0,055	0,085	0,085	0,075	0,075	0,14	0,14	0,18	0,18	0,28	0,28
Supply airflow	(3)	l/s	97,0	106	133	144	178	189	267	278	342	350	514	522
Type of supply fan	(4)	-	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG	CFG
Number of supply fans		Nr	1	1	1	1	2	2	2	2	2	2	3	3
Standard power supply		V	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Sound pressure level (1 m)	(5)	dB(A)	44	44	50	51	43	43	49	51	54	55	57	57

Notes

- (1) Ambient air at 27°C/19.5 W.B.; inlet water 7°C and outlet 12°C
- (2) Ambient temperature 20°C; Water inlet 70°C and outlet 60°C
- (3) Air flow with free outlet (0 Pa static pressure)
- (4) CFG = centrifugal fan
- (5) The sound pressure level is measured 1 metre from the external surface of the wall mounted in view unit, for the built-in unit it is possible a sound pressure reduction of 2 dB or higher.
- (6) Water inlet 70°C and outlet 60°C; Ambient temperature 20°C



accessories

► MR	90° air outlet	► 10V2X	0-10V 3-way valve kit for 2-pipe system
► RF	Front air inlet	► 10V4	0-10V 3 way valve kit for 4 tube system
► RP	Rear intake	► KR90X	90° pipe-fitting kit
► VEC	High efficiency EC fan	► BRV	Auxiliary condensate collection pan (vertical installation)
► CTSP1	CLIVET TALK TERMINAL SPACE electronics with RS485 Modbus serial port	► BRVX	Auxiliary condensate collection pan (vertical installation)
► CPVM	Control additional card of 0-10V valve	► BRODX	Auxiliary condensate collection pan (horizontal installation;DX fittings)
► TRM	Terminal block with minimum water temperature clickson	► BRODXX	Auxiliary condensate collection pan (horizontal installation;DX fittings)
► HIDF1	Control on the unit: off + 3 speed switch	► BROSX	Auxiliary condensate collection pan (horizontal installation; SX fittings)
► HIDF2	Built-in control: BULB thermostat (3 speed.+off+E/I+Temp.selection)	► BROSXX	Auxiliary condensate collection pan (horizontal installation; SX fittings)
► HIDF3	Control on the unit: BULB thermostat (3 speed + off + remote E/I + Temp.selection)	► SERX	Manual outside air damper for Vertical and horizontal installation
► HIDF4	Control on the unit:BULB thermostat(3speed+off+E/I+temp.select.)+ min. temperature thermostat	► SERMx	Outdoor air on/off motorized damper
► HIDF5	Control on the unit:BULB thermostat + on/off heaters	► PI90X	Support feet for built-in vertical units h=90mm
► HIDF6	Control mounted on unit's side: multi-function electronic room thermostat	► PI155X	Support plinth for concealed vertical units h=155mm
■ ► HIDE2X	Remote control with E/I +3V +on/off for wall installation	► PV90X	Support plinth with cover for in-view vertical units h=90mm
■ ► HIDE3X	Plurifunctional remote control for wall installation	► PV155X	Support plinth with cover for in-view vertical units h=155mm
■ ► HIDE4X	Plurifunctional room control for 0-10V valves	► PVG155X	Support feet with cover h=155mm and return grille
■ ► HIDT2X	HID-T2 electronic room control	► FTZX	Galvanized steel plate falseframe
■ ► HIDTI2X	HID-TI2 Flush-mounted electronic room control	► PNAX	Pre-painted panel with supply and return grilles
■ ► HIDT3X	HID-T3 electronic room control	► PPVX	Rear cover panel for OUT-V without support feet
■ ► TMX	Hot water min. temperature thermostat	► PPV90X	Rear cover panel for OUT-V with support feet h=90mm
■ ► PTABX	Remote probe for room air temperature for electromechanical thermostats.	► PPV155X	Rear cover panel for OUT-V with support feet h=155mm
■ ► DCPX	Control device for more units with a single room control.	► PRAX	Air intake straight plenum
► RE	Electric heaters	■ ► PRCAX	Air intake plenum with circular fittings and air filter
■ ► KBI2	2 tube water balancing kit = ball valve+water balancing kit	■ ► PR90AX	90° air intake plenum
■ ► KBI2X	2 tube water balancing kit = ball valve+water balancing kit	■ ► PRMX	Air discharge plenum
► KBI4	4 tube water balancing kit = 2 ball valves+2 water balancing kit	■ ► PR90MX	90° air outlet plenum
■ ► KBI4X	4 tube water balancing kit = 2 ball valves+2 water balancing kit	■ ► PRCMX	Air outlet plenum with circular fittings+internal thermal and acoustic insulation
► 2V2	ON/OFF 2 way valve kit for 2 tube system	■ ► PRCTX	Terminal plenum with circular connections
► 2V4	ON/OFF 2 way valve kit for 4 tube system	■ ► PRTX	0-100 mm telescopic extension
► 3V2	Three-way valve kit for 2-pipe type "on/off" system	■ ► DAOJX	Air supply duct with flexible connection
■ ► 3V2X	Three-way valve kit for 2-pipe type "on/off" system	■ ► GAAX	Air intake duct with flexible joint
► 3V4	Three-way valve kit for 4-pipe system type "on/off"	■ ► GRMX	Air outlet grille without air filter
► 10V2	0-10V 3-way valve kit for 2-pipe system	■ ► AGRMX	Air outlet grille in aluminium without filter
		■ ► GRAX	Return grille with filter
		■ ► AGRAX	Air intake grille with air filter

Key to symbols:

- Accessories separately supplied

