

Water terminal unit
 Cased vertical indoor installation
 Ductable
Capacity from 13,6 to 89 kW



Room control HID-T2 for wall-mounted remote installation with functions of: - manual or automatic summer/winter switching - temperature setting - manual setting of fan speed - other useful functions.

ELFODuct

The **ELFODuct CF-V** tall water terminal units have been designed for installation directly in the room or in technical spaces.

The units have been designed for **sending air directly into the room or with ducted distribution**. They are distinguished by their compactness and extremely low noise levels obtained thanks to internal soundproofing.

The main features are:

- ▶ **various available controls**, from simple speed control through to the electronic **control set-up for connection to ELFOControl** or general supervisors;
- ▶ available in version for **2 and 4-pipe systems**;
- ▶ **choice of aeraulic accessories** (plenum for front air supply or on three sides);
- ▶ **electric heater section** with different power plus electronic power modulation control;
- ▶ **fans available with high static pressure**, which allow extensive ducting;
- ▶ **front air return** through grille (standard) or with return **from the floor or from the rear**

functions and features



Cool & heat



Vertical: cased

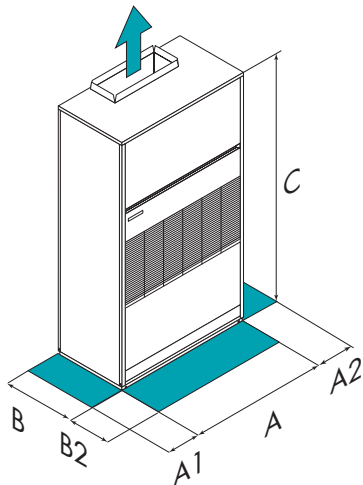


Water



ELFOControl[®]

dimensions and clearances



Size – CF-V		31	41	51	71	91	101	121	142	182	202	242
A - Length	mm	650	850	850	1050	1050	1250	1250	1870	1870	2070	2070
B - Width	mm	500	500	500	500	670	670	670	670	670	670	670
C - Height	mm	1700	1700	1700	1700	2000	2000	2000	2000	2000	2000	2000
A1	mm	400	400	400	400	400	400	400	400	400	400	400
A2	mm	400	400	400	400	400	400	400	400	400	400	400
B2	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Operating weight	kg	96	117	123	140	185	210	215	250	260	290	295

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.

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

versions and configurations

VOLTAGE:

- ▶ **400T** Supply voltage 400/3/50 without neutral (sizes 91÷242 only, Standard)
- ▶ **230M** Voltage 230/1/50 ± 10% (sizes 31÷71)
- ▶ **230T** Supply voltage 230/3/50 (sizes 91÷242)

AIRFLOW:

- ▶ **SM** Standard air outlet flow-rate (sizes 91÷242 only, Standard)
- ▶ **RM** Reduced air outlet flow-rate (sizes 91÷242)

HOT WATER COIL:

- ▶ - Hot water coil: not required (Standard)
- ▶ **CHW2** Two-rows hot water coil

technical data

Size – CF-V			31	41	51	71	91	101	121	142	182	202	242
▶ Cooling capacity	(1)	kW	13,6	19,1	21,6	27,9	36,9	44,0	48,7	65,5	75,4	83,6	89,0
Sensible capacity	(1)	kW	9,82	13,7	15,7	20,3	26,5	31,8	35,6	47,1	54,9	60,2	64,9
Total power input	(1)	kW	0,30	0,30	0,50	0,60	0,80	1,10	1,50	1,50	2,20	2,20	3,00
▶ Heating capacity	(2)	kW	13,1	18,1	20,9	26,2	35,9	42,3	46,6	62,0	71,4	78,4	85,7
Supply airflow	(3)	l/s	569	778	944	1166	1597	1889	2167	2638	3194	3472	3888
Type of supply fan	(4)	-	CGF	CGF	CGF	CGF	CGF	CGF	CGF	CGF	CGF	CGF	CGF
Number of supply fans		Nr	1	1	1	2	1	1	1	2	2	2	2
Max. static pressure supply fan	(5)	Pa	85	93	80	70	140	170	180	140	115	145	180
Standard power supply		V	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ST Sound pressure level	(6)	dB(A)	48	49	50	51	53	56	58	58	60	62	64

Notes

- (1) Water inlet 7°C and outlet 12°C; Ambient temperature 27°C/19.5 WB; Relative humidity 50%
- (2) Water inlet 45°C and outlet 40°C; Ambient temperature 20°C DB; Relative humidity 50%
- (3) Max external static pressure
- (4) CGF = centrifugal fan
- (5) Rated flow, maximum speed, including the air filter
- (6) The sound levels refer to the unit at full load, in the rated test conditions and with available head of 30Pa. The sound pressure level refers to unit with ductable outlet and it is measured at a distance of 1m from the external surface of the units.

ST Standard (ST)

accessories

- ▶ **POFX** Front air discharge plenum
- ▶ **PO3X** Air supply plenum on three sides
- ▶ **10V2X** 0-10V 3-way valve kit for 2-pipe system
- ▶ **10V4X** 0-10V 3 way valve kit for 4 tube system
- ▶ **EH09** 4,5 kW electric heaters
- ▶ **EH10** 6 kW electric heaters (sizes 41÷242)
- ▶ **EH12** 9 kW electric heaters
- ▶ **EH14** 12 kW electric heaters (sizes 41÷242)
- ▶ **EH17** 18 kW electric heaters (sizes 71÷242)
- ▶ **EH20** 24 kW electric heaters (sizes 142÷242)
- ▶ **MMF2** 11 kW supply fan electric motor (sizes 91÷101)
- ▶ **MMF3** 1,5 kW supply fan electric motor (sizes 101÷142)
- ▶ **MMF4** 2,2 kW supply fan electric motor (sizes 121÷202)
- ▶ **MMF5** 3 kW supply fan electric motor (sizes 182÷242)
- ▶ **MMF6** 4 kW supply fan electric motor (sizes 242)
- ▶ **MOD** Double-speed motor (sizes 91÷242)
- ▶ **CV3FS** Electronic version with 3-speed board for the fan (sizes 31÷71)
- ▶ **CTS** CLIVET TALK TERMINAL electronic for HID-T2 or HID-T3 thermostats (ELFOControl)
- ▶ **HIDT2X** HID-T2 electronic room control
- ▶ **HIDT3X** HID-T3 electronic room control
- ▶ **SP1** RS485 remote communication serial port
- ▶ **SP1X** RS485 remote communication serial port

Key to symbols:

- Accessories separately supplied