

Make-up air unit, full fresh air  
 With return/exhaust and thermodynamic heat recovery  
 Reversible heat pump  
 Indoor installation  
 Air flow rate from 330 to 920 l/s

## ELFOFresh Large



ELFOFresh Large units are designed to guarantee ideal air exchange rates in shops and offices.

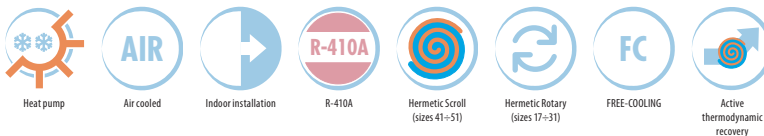
Their main characteristics include:

- ▶ cooling, heating and humidification of outdoor air with only minimal energy consumption thanks to Free-Cooling and an exclusive Active Thermodynamic Heat Recovery that recovers heat from extracted air and returns it to the incoming fresh air;
- ▶ electronic filtration control for guaranteed purity of incoming fresh air and effective removal of airborne dust (optional).

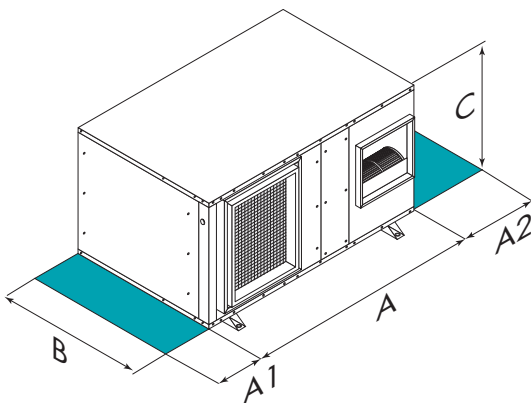


HID-P1 room thermostat for remote wall mounting.  
 Main functions:  
 - manual or automatic summer/winter switching  
 - temperature setting  
 - ECO mode (automatic day/night thermoregulation).

### functions and features



### dimensions and clearances



Size – CPAN-U		17	21	25	31	41	51
A - Length	mm	1503	1503	1503	1503	1503	1503
B - Width	mm	950	950	950	950	950	950
C - Height	mm	442	442	517	517	668	668
A1	mm	900	900	900	900	900	900
A2	mm	700	700	700	700	700	700
Operating weight	kg	135	145	175	185	215	225

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

### CONFIGURATION:

- ▶ VS Standard Version (Standard)
- ▶ EPS Air expulsion to the left

### INTEGRATION COIL:

- ▶ - Additional coil: not required (Standard)
- ▶ CH2O Integration water coil

## technical data

Size – CPAN-U			17	21	25	31	41	51
SM	▶ Cooling capacity	(1) kW	6,20	7,60	8,60	10,9	12,4	15,9
SM	Sensible capacity	(1) kW	5,00	5,80	7,00	8,60	9,50	12,5
SM	Compressor power input	(1) kW	1,70	2,10	2,20	2,90	2,80	3,80
SM	EER	-	3,55	3,56	3,93	3,77	4,48	4,14
SM	▶ Heating capacity	(2) kW	6,80	8,30	9,20	11,9	13,2	16,9
SM	Compressor power input	(2) kW	1,30	1,70	1,80	2,20	2,00	2,80
SM	COP	-	5,19	4,92	5,22	5,34	6,47	6,06
SM	Refrigeration circuits	Nr	1					
SM	No. of compressors	Nr	1					
SM	Type of compressors	(3) -	Rot			Scroll		
SM	Supply airflow	l/s	330	390	470	610	690	920
SM	Type of supply fan	(4) -	CFG					
SM	Number of supply fans	Nr	1					
SM	Max. static pressure supply fan	(5) Pa	190	175	300	180	270	340
SM	Exhaust airflow	l/s	300	360	440	550	640	860
SM	Number of exhaust fans	Nr	1					
SM	Max. exhaust static pressure	Pa	180	165	290	210	250	360
SM	Standard power supply	V	230/1~/50			400/3N~/50		
SM	Sound pressure level	(6) dB(A)	53	55	57	59	61	62

### Notes

Erp (Energy Related Products) European Directive, that includes the Commission delegated Regulation (EU) No 2016/2281 also known as Ecodesign Lot 21, does not report this Product category.

- (1) Air inlet temperature extract heat exchange coil 27°C D.B. - 19°C W.B. Outdoor air temperature 35°C B.S. - 24°C B.U.
- (2) Exhaust coil inlet air temperature 20°C B.S. - 12°C B.U. Outdoor air temperature 7°C D.B. - 6°C W.B.
- (3) SCROLL = scroll compressor; ROT = rotary compressor

(4) CFG = centrifugal fan

(5) Static pressure available on unit with electronic filters (excluding integration coil)

(6) The sound levels are referred to unit operating at full load in nominal conditions. The sound pressure level is referred at a distance of 1 m. from the ducted unit surface operating in free field conditions. External static pressure 50 Pa.

SM Standard

## accessories

- ▶ FES Electronic filters
- ▶ FEG4 Class G4 air filters on outdoor and exhaust air
- ▶ 3WVM Modulating three-way valve
- ▶ HSE3 3 kg/h immersed electrodes steam humidifier (sizes 17÷21)
- ▶ HSE5 5 kg/h immersed electrodes steam humidifier (sizes 25÷31)
- ▶ HSE8 8 kg/h immersed electrodes steam humidifier (sizes 41÷51)
- ▶ PSAF Differential pressure switch for dirty air filters
- ▶ SP1 RS485 remote communication serial port
- ▶ EHP9 2 kW preheating electric heaters (sizes 17÷21)
- ▶ EHP7 3 kW preheating electric heaters (sizes 25÷31)
- ▶ EHP14 4.5 kW preheating electric heaters (sizes 41÷51)
- ▶ RCMRX Remote control via microprocessor control
- ▶ PBLC1X Service keypad (cable from 1,5 metres)
- ▶ PBLC2X Local control portable keypad with cable 20 metres
- ▶ PM Phase monitor (sizes 25÷51)

### 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.