

Make-up unit, full fresh air

With return/exhaust and thermodynamic heat recovery

- ▶ Heat pump
- Indoor installation

Air flow rate from 330 to 920 l/s

On Line Monitoring Service available

ELFO_{FRESH LARGE}



ELFO_{FRESH 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 selection
- ▶ temperature setting
- ▶ ECO mode (automatic day/night heat regulation).



functions and features



Heating-Cooling



Air cooled



Indoor inst.



Horizontal inst.



Refrig. R-410A



Herm. Rotary
(17-31)



Herm. Scroll
(41-51)



Free-Cooling



Active Thermodynamic
Heat Recovery

available configurations

CPAN-U

17

accessories

- ▶ Copper/copper condenser coils
- ▶ Copper/copper evaporator coils
- ▶ Additional water coil
- ▶ Modulating three-way valve
- ▶ 2 kW pre-heating electric heaters
- ▶ 3 kW pre-heating electric heaters
- ▶ 4,5 kW pre-heating electric heaters
- ▶ Class G4 air filters in discharge
- ▶ Electronic filters
- ▶ 3 kg/h immerse electrode steam humidifier

- ▶ 5 kg/h immerse electrode steam humidifier
- ▶ 8 kg/h immerse electrode steam humidifier
- ▶ Air side dirty filters differential pressure switch
- ▶ RS485 remote communication serial port
- ▶ Service handset for local control with 1,5-metre cable
- ▶ Service hand-held keypad for local control with 20-metre cable
- ▶ Remote control with remote microprocessor control
- ▶ Phase monitor

Key to symbols:

- ▶ Accessories supplied separately.

technical data

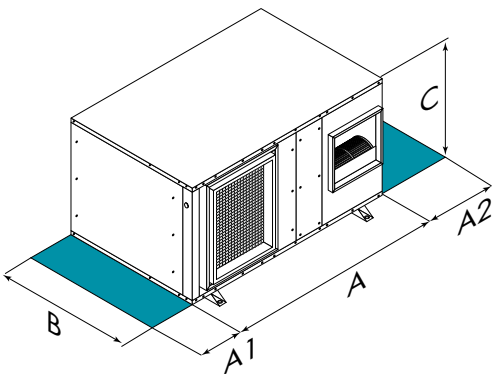
Sizes			17	21	25	31	41	51
▶ Cooling capacity	(1)	kW	6,18	7,62	8,64	10,9	12,4	15,9
Total input	(1)	kW	2,50	3,00	3,30	3,80	5,40	7,20
▶ Heating capacity	(2)	kW	6,75	8,26	9,19	11,9	13,2	16,9
Total input	(2)	kW	2,50	3,00	3,30	3,80	5,40	7,20
Supply air flow rate		l/s	330	390	470	610	690	920
Supply working head		Pa	190	175	300	180	270	340
Discharge air flow rate		l/s	300	360	440	550	640	860
Discharge working head		Pa	180	165	290	210	250	360
Number and type of compressors	(3)	-			1 ROT			1 SCROLL
Sound pressure level	(4)	dB(A)	53	55	57	59	61	62
Power supply		V/Ph/Hz	230/1/50			400/3/50 + N		

Data referred to the following conditions:

- (1) Coil inlet air temperature in discharge: 27°C D.B. - 19°C W.B.; external air temperature: 35°C D.B. - 24°C W.B.; external air temperature: 35°C D.B. - 24°C W.B.
- (2) Coil inlet air temperature in discharge: 20°C D.B. - 12°C W.B.; external air temperature: 7°C D.B. - 6°C W.B.

- (3) ROT = rotary compressor
- (4) Sound levels refer to units with full load under nominal test conditions. The sound pressure is measured at 1 m from the external surface of the unit in open field conditions.

dimensions and clearances



Sizes		17	21	25	31	41	51
Length (A)	mm	1503	1503	1503	1503	1503	1503
Width (B)	mm	950	950	950	950	950	950
Height (C)	mm	443	443	518	518	668	668
▶ (A1)	mm	900	900	900	900	900	900
(A2)	mm	700	700	700	700	700	700
Weight in oper.	Kg	110	120	150	160	190	200

The above data refer to standard units.

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