



*Made to get the ideal CLIMATE for any season*



## Air-cooled Packaged Air-conditioners

CED 5kW\_25kW\_P Series

*Displacement\_Conventional\_Underfloor\_High-Front*



Indoor air-cooled packaged air-conditioners to be coupled to remote condensing, ideal for installation in rooms, equipment rooms, DPC and technological rooms in general.

The pre-galvanised steel structure painted with epoxy powder paint is supported by a thick internal structure. The panels are supplied with sound-absorbent and isolating material.

The structure is realised with single or double doors, depending on cooling capacity requested.

The air conditioners for DPC Rooms can be equipped:

- without free-cooling system (RR vers.)
- with free-cooling system (RF vers.)

The process air can be carried in different ways:

- **from the low horizontal to displacement (DISPLACEMENT)**
  - Air return at the top (roof), flow down the front, low speed
- **from the low horizontal (CONVENTIONAL)**
  - High air return (at the roof), front delivery
- **towards the low vertical (UNDERFLOOR)**
  - High air return (at the roof), delivery low underfloor
- **upwards (HIGH-FRONT)\*\***
  - Air return from low front, delivery upwards (roof)

The P range air-conditioners are supplied with internal controller and temperature and pressure probes, which allow to realise an autonomous and co-ordinated "air-conditioning system" thus ensuring complete redundancy on all of the control and air-conditioning functions.

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The P range is supplied with the User Interface Panel on the machine, for command and control management.

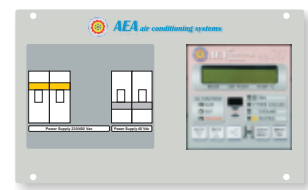
The DPC Range air-conditioners are supplied with process air filter and condensate collection tray; they are characterised by maximum accessibility and strength.

The air-conditioner line for DPC rooms includes various cooling capacities, which go from 5 +25 kW. For greater powers, various models can be coupled in a pack.

\*\* On specific request



Typical DPC with two doors



P Series user interface panel



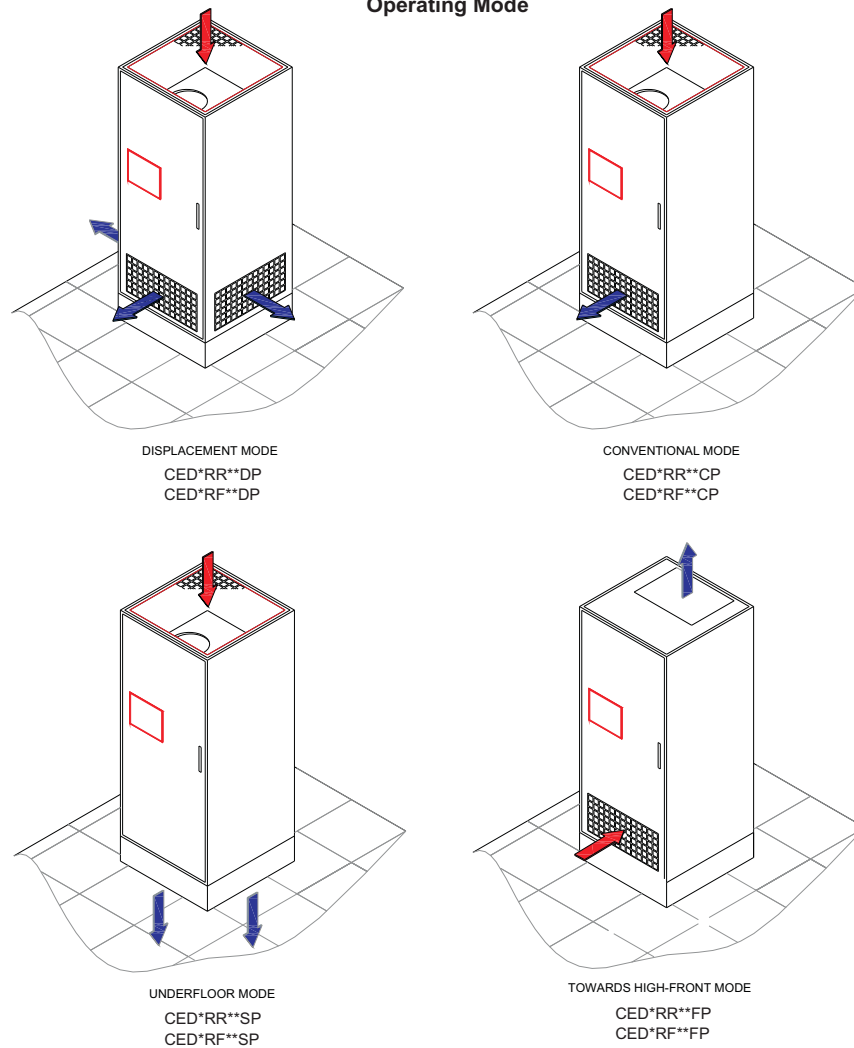
### Technical features

- Support structure and external panels in galvanised steel
- High resistance to corrosion
- Command and control board with user interface panel on the machine
- Automatic re-start after a power cut
- Evaporating section variable fan speed depending on the evaporation pressure
- Air handling section 48 Vd
- cEu3 class air filter





Operating Mode



(\*) Indicate the machine power

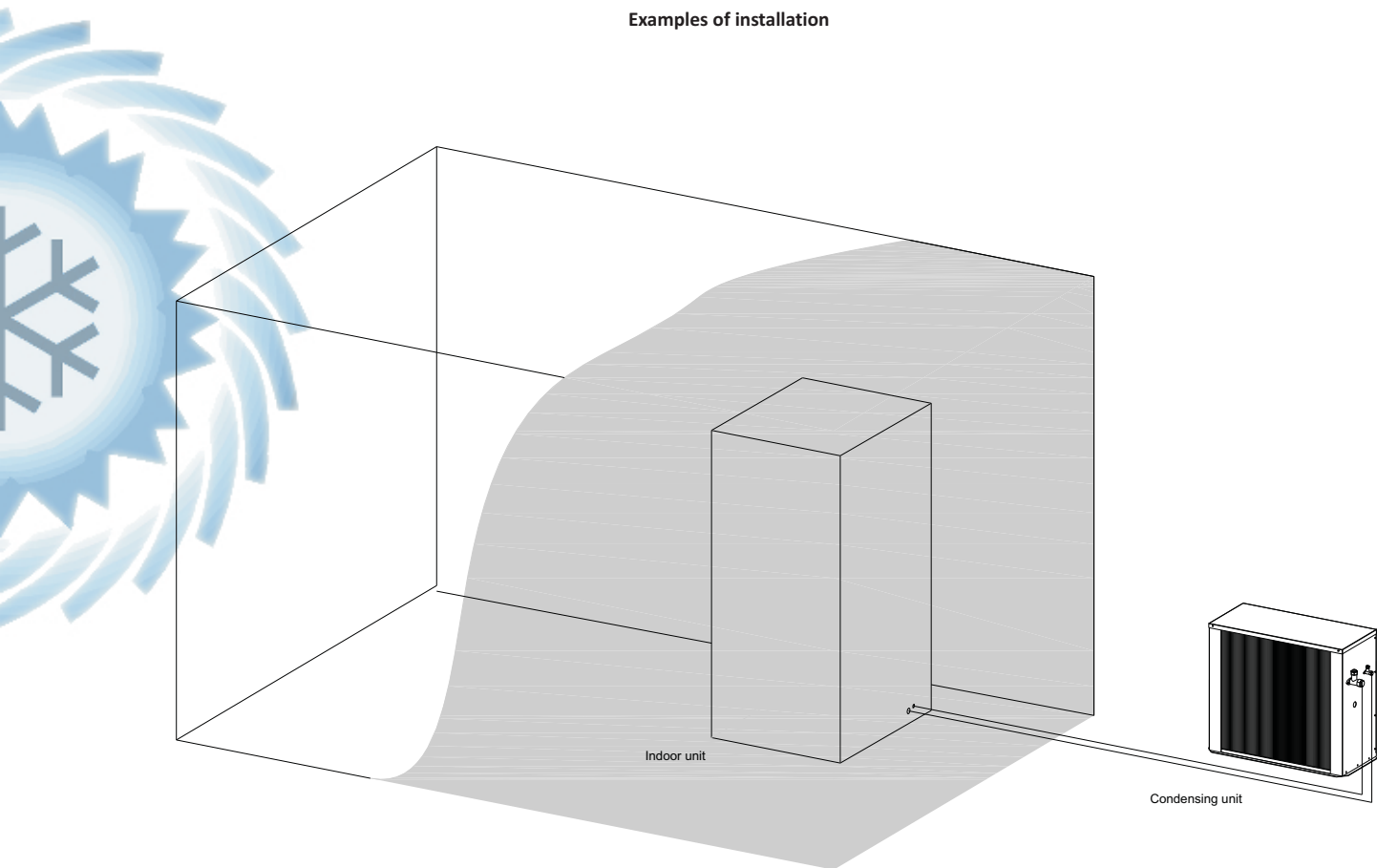
(\*\*) Indicate SINGLE-PHASE (1) or THREE-PHASE (3) power supply voltage

Model		40/70	80/120	140/180	200/250
Compressor		Scroll	Scroll	Scroll	Scroll
Total Cooling Capacity (1)	<b>W</b>	5600 / 8200	8800 / 12600	15000 / 19200	21000 / 27000
Sensitive Cooling Capacity (1)	<b>W</b>	5200 / 7600	8200 / 12200	14300 / 18400	19800 / 25600
Heating capacity (optional)	<b>W</b>	2000	2000	3000	4000
Power supply voltage	<b>V/pH/Hz</b>	230/1/50	230/1/50 400/3/50	400/3/50	400/3/50
Maximum absorbed power	<b>W</b>	2500 / 3700	4200 / 5500	6500 / 8500	9200 / 11500
Maximum absorbed current	<b>A</b>	11 / 17	19 / 24 6 / 8	9.5 / 12	14 / 17
Evaporating section air flow rate	<b>m³/h</b>	1700	2200	4500	4500
Auxiliary power supply voltage	<b>Vdc</b>	48	48	48	48
Width	<b>mm</b>	600 (1 door)	800 (1 door)	1200 (2 doors)	1600 (2 doors)
Depth	<b>mm</b>	800	800	800	800
Height	<b>mm</b>	1900	1900	1900	1900
Weight	<b>Kg</b>	190	250	335	400
Refrigerant		R407C	R407C	R407C	R407C
Noise	<b>Db(A)</b>	44	44	44	44
Operating temperature limit	<b>C</b>	-20° +45°	-20° +45°	-20° +45°	-20° +45°

(1) The cooling capacity refers to the following conditions:  
Outdoor temperature 35°C - Indoor temperature 27°C - R.H.=50%



Examples of installation



INDOOR UNIT - CONDENSING UNIT association table

INDOOR UNIT	CONDENSING	
	Horizontal	Vertical
CED40xxxx	AE80-OS	AE80-VS
CED70xxxx	AE80-OS	AE80-VS
CED80xxxx	AE80-OS	AE80-VS
CED120xxxx	AE100-OS	AE100-VS
CED140xxxx	AE140-OS	AE140-VS
CED180xxxx	AE180-OS	AE180-VS
CED200xxxx	AE250-OS	AE250-VS
CED250xxxx	AE250-OS	AE250-VS

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