

**AIR CONDITIONING**

**Range**

**COMFORT**

**Split-System**

# COMPACT DUCTED UNITS CD

**HELICOID FAN**



Cooling only



Heatpump



Electric heating



**Airwell**  
**Air Conditioning**

# Split-System COMPACT DUCTED UNITS CD

## HELICOID FAN



The Compact Ducted range offers a large variety of solutions of air distribution.

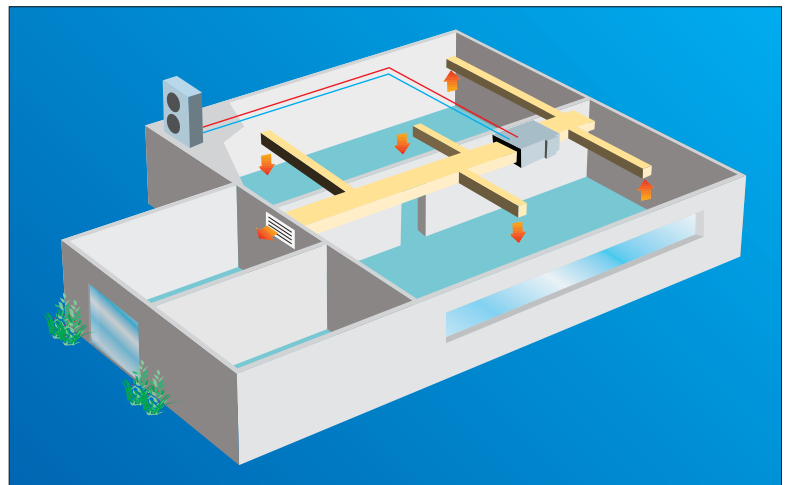
The freedom of design of these units allows to build truly "measure-made" installations, perfectly adapted to the shape of the room to be equipped.

This range, available in "Cooling only" and "Heatpump" version, is an answer to any requirement of air conditioning in the tertiary field.

**PERFORMANCE OF THE INDOOR UNITS :**  
THE INDOOR UNITS OFFER MANY FUNCTIONS :  
MULTI-SPEED VENTILATION, TEMPERATURE CONTROL  
BY INFRARED REMOTE CONTROL, AIR FILTERS.



**DEPENDABILITY OF THE OUTDOOR CONDENSING UNITS:**  
THE CONDENSING UNITS ARE TREATED AGAINST CORROSION, THEIR LOW VENTILATION SPEED WARRANTS UNOBTRUSIVE AND ECONOMICAL OPERATION.



### 7 "COOLING ONLY" MODELS

- COOLING CAPACITY: FROM 5000 W UP TO 18250 W.
- THE COMPACT DUCTED SPLITS ARE CONNECTED TO AIRCOOLED CONDENSING UNITS.

### 7 "HEATPUMP" MODELS

- HEATING CAPACITY: FROM 5050 W UP TO 18250 W.
- COMPATIBLE WITH AIRCOOLED CONDENSING UNITS.

THESE UNITS, EQUIPPED WITH A CYCLE REVERSING COOLING SYSTEM ALLOWING TO OPERATE AS AN AIR/AIR HEATPUMP, CAN OPERATE DOWN TO AN OUTDOOR TEMPERATURE OF -7°C (DEPENDING ON THE MODEL) WITH AN ELECTRIC HEATING EXCHANGER PLACED IN A DUCT (ACCESSORY).



Cooling only



Heatpump

Electric heating



## ADVANTAGES

1

### UNOBTRUSIVENESS IN A FALSE CEILING

The range of COMPACT DUCTED indoor units has been designed to be an answer to many constraints with reference to their dimension. Their "low silhouette" enables them to fit into the tightest false ceilings.

2

### FLEXIBILITY OF INSTALLATION

Thanks to the available pressure, the duct network - square or round - can be adapted with precision to any shape, even to the most intricate premises. The length of the cooling pipes can reach 50 m, depending on the model. Therefore installation of indoor and outdoor units offers great flexibility.

3

### THE VARIOUS FUNCTIONS AVAILABLE :

"Cooling only", "Heatpump", "Electric heating" help limit the cost of investment and offer a comfortable temperature in any season.

## A VERY EASY-TO-USE REMOTE CONTROL AND SOPHISTICATED FUNCTIONS



All safety and operation parameters are managed by micro-processor so as to better warrant perfect operation of the air conditioners:

- "I FEEL" function,
- anti-frost safety,
- programming,
- control of temperature and treated air flow,
- 3-minutes delay time after stopping of the compressor,
- de-icing at variable times depending on the conditions of use for heatpump models.

## INFRA-RED RECEIVER FOR REMOTE CONTROL



- COOL:** Control light for cooling mode
- HEAT:** Control light for heating mode
- STBY:** Control light in stand-by: lights when the appliance is connected and ready to receive instructions from the remote control
- OPER:** Control light of operation. Lights when the appliance is in operation. Flashing announces that the infra-red signal has been received
- MODE:** Control of emergency. Pressing this key allows to select the cooling or heating functions in case a remote control has not been installed

Dimensions and weight		CD 17	CD 22	CD 26	CD 35	CD 43	CD 50	CD 60
<b>Indoor air treatment units</b>								
Weight	kg	33	33	39	50	58	65	68
Dimensions (WxDxH) without accessories	mm	900x675x240	900x675x240	900x675x285	900x740x340	1150x740x340	1350x740x340	1350x745x400
<b>Outdoor condensing units</b>								
Weight	kg	56	58	67	82	92	120	124
Dimensions (WxDxH)	mm	850x370x690	850x370x690	900x340x600	900x380x695	900x340x1255	900x340x1255	900x340x1255

# TECHNICAL SPECIFICATIONS

## CD SERIES



Cooling only models		CD 17	CD 22	CD 26	CD 35	CD 43	CD 50	CD 60
<b>Cooling capacity R407C (1)</b>	<b>kW</b>	<b>5,4</b>	<b>6,36</b>	<b>8,78</b>	<b>9,27</b>	<b>12,3</b>	<b>14,4</b>	<b>16,9</b>
Power input	kW	2,34	2,82	3,39	4,17	5,1	5,56	7
<b>Cooling capacity R22 (1)</b>	<b>kW</b>	<b>5,51</b>	<b>6,375</b>	<b>7,55</b>	<b>10,1</b>	<b>12,5</b>	<b>14,5</b>	<b>18,25</b>
Power input	kW	2,08	2,61	3,46	4,23	5,1	5,76	6,5
Nominal air flow	m <sup>3</sup> /h	1000	1000	1350	2200	2600	2800	3500
Available static pressure	daPa	4	4	5	6	7	8	15
<b>Noise levels (2)</b>								
Indoor (normal speed)	dB(A)	48	48	46	46	52	52	60
Outdoor	dB(A)	47	47	49	49	51	52	55
<b>Power supply</b>								
<b>1~230 V - 50 Hz</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0 (R22)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>3N~400 V - 50Hz</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Fuse (1~230V)	A	20	20	25	32	-	-	-
Fuse (3N~400V)	A	-	-	-	12	16	20	20
Compressor type		Scroll	Scroll	Rotary	Rotary	Scroll	Scroll	Scroll

## Linking specifications between indoor and outdoor units

### Linking pipes (not supplied)

Max. length R407C	m	25	25	20	20	50	50	50
Max. height difference R407C	m	10	10	10	10	30	30	30
Max. length R22	m	20	20	20	50	50	50	50
Max. height difference R22	m	10	10	10	30	30	30	30
Suction pipe	Inches	5/8"	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"
Liquid pipe	Inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"
<b>Electrical connections (not supplied)</b>								
1~230V version	mm <sup>2</sup>	4x2,5	4x2,5	4x2,5	4x2,5	-	-	-
3N~400V version	mm <sup>2</sup>	-	-	-	4x1,5	4x1,5	4x1,5	4x1,5

## CD RC SERIES



Heat pump models		CD 17 RC	CD 22 RC	CD 26 RC	CD 35 RC	CD 43 RC	CD 50 RC	CD 60 RC
<b>Heating capacity R407C (3)</b>	<b>kW</b>	<b>6,22</b>	<b>7,5</b>	<b>8,85</b>	<b>10,7</b>	<b>13,2</b>	<b>14,7</b>	<b>17,2</b>
Power input	kW	2,29	3,11	3,16	3,6	4,76	5,07	6,37
<b>Heating capacity R22 (3)</b>	<b>kW</b>	<b>6,11</b>	<b>7,42</b>	<b>7,71</b>	<b>9,5</b>	<b>12,2</b>	<b>14,3</b>	<b>18,25</b>
Power input	kW	2,08	2,73	2,98	3,4	4,55	5,33	6,1

## Linking specifications between indoor and outdoor units

### Linking pipes (not supplied)

Max. length R407C	m	25	25	20	50	50	50	50
Max. height difference R407C	m	10	10	10	30	30	30	30
Max. length R22	m	25	25	20	50	50	50	50
Max. height difference R22	m	10	10	10	50	50	50	50
Suction pipe	Inches	5/8"	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"
Liquid pipe	Inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"
<b>Electrical connections (not supplied)</b>								
1~230V version	mm <sup>2</sup>	5x2,5	5x2,5	5x2,5	5x2,5	-	-	-
3N~400V version	mm <sup>2</sup>	-	-	-	6x1,5	6x1,5	6x1,5	6x1,5

### Electric heating in duct (4)

1~230V - 50Hz	W	4000	4000	4000	6000	-	-	-
3N~400V - 50 Hz	W	-	-	-	6000	6000/8100	6000/8100	-

All values are specified for a 230V supply voltage. Refrigerant R407C and R22 (R22 datas in yellow)

(1) Nominal cooling capacity: International conditions: 27°C/19°C (wet bulb) - outside air temperature 35°C/24°C (wet bulb) (Standards NF EN 255.2 - NF EN 814.2).

(2) Acoustic levels: Global acoustic pressure in dBA (4 m) under nominal conditions: outdoor unit in an open area against a reflective background indoor unit: installation in an average sized room (PV - 0.5 s reverberation) or acoustic capacity depending on models.

(3) Nominal heating capacity: International conditions: 20°C/12°C (wet bulb) - outside air temperature 7°C/6°C (wet bulb) (Standards NF EN 255.2 - NF EN 814.2).

(4) At normal airflow, at 20°C under 230 V.



**ACE**  
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