

AIR CONDITIONING

Range

COMFORT

Split-System

COMPACT DUCTED UNITS CD

CENTRIFUGAL CONDENSER



Cooling only



Heat pump



Electric heating



R407C



Airwell
Air Conditioning

Split-System COMPACT DUCTED UNITS CD

CENTRIFUGAL CONDENSER

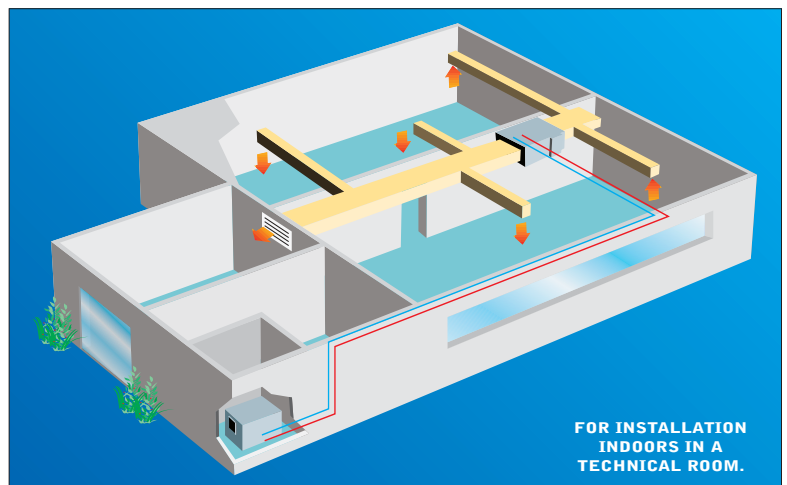


The Compact Ducted range offers a large variety of solutions of air distribution. The freedom of design of these units allows to build truly "measure-made" installations, perfectly adapted to the shape of the room to be equipped. This range, available in "Cooling only" and "Heatpump" version, is an answer 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.



THE DUCTED CONDENSER UNIT CAN BE
INSTALLED INDOORS IN A TECHNICAL ROOM
OR OUTDOORS.



4 COOLING ONLY MODELS
• COOLING CAPACITIES :
FROM 10100 W TO 18250 W

4 HEAT PUMP MODELS
• HEATING CAPACITIES :
FROM 9500 W TO 18250 W



Cooling only



Heat pump

Electric heating



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

ADVANTAGES

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.

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.

THE VARIOUS FUNCTIONS AVAILABLE :

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



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



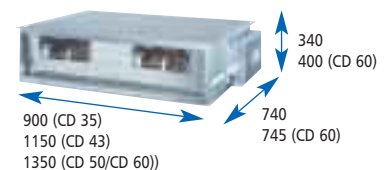
INFRA-RED SIGNAL RECEIVER
10 M CABLES

- 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 (in mm) and weight

INDOOR AIR TREATMENT UNITS

- CD 35** - Net weight : 50 kg
- CD 43** - Net weight : 58 kg
- CD 50** - Net weight : 65 kg
- CD 60** - Net weight : 68 kg



HOTELS
CAFES
RESTAURANTS



SMALL SHOPS

OFFICES

TYPICAL APPLICATIONS

DUCTED CONDENSER UNITS

- CH 35 / 35 RC**
Net weight : 110 kg
- CH 43 / 43 RC**
Net weight : 110 kg



- CH 50 / 50 RC**
Net weight : 196 kg
- CH 60 / 60 RC**
Net weight : 196 kg



TECHNICAL SPECIFICATIONS

CD/CH SERIES

Cooling only models		CD/CH 35	CD/CH 43	CD/CH 50	CD/CH 60
Cooling capacity (1)	kW	10,1	12,5	14,5	18,2
Power input	kW	5	5,1	5,7	6,5
Air flow (normal speed)					
- Indoor CD	m³/h	2200	2600	2800	3500
- Outdoor CH	m³/h	4500	4600	5700	8400
Available static pressure					
- Indoor CD	daPa	6	7	8	15
- Outdoor CH	daPa	5	5	9	9
Noise level (1m) (normal speed) (3)					
- Indoor CD	dB(A)	46	52	52	60
- Outdoor CH	dB(A)	58	58	59	59
Power supply					
- 1~230V - 50 Hz		•	-	-	-
- 3N~400V - 50Hz		•	•	•	•
Fuse (1~230V)	A	40	-	-	-
Fuse (3N~400V)	A	20	20	20	25
Compressor type		Reciprocating	Reciprocating	Reciprocating	Reciprocating

Linking specifications between indoor and outdoor units

Linking pipes (not supplied)					
Max. length	m	30	30	30	30
Max. height difference	m	30	30	30	30
Suction pipe	Inches	3/4"	3/4"	7/8"	7/8"
Liquid pipe	Inches	3/8"	3/8"	1/2"	5/8"
Electrical connections (not supplied)					
1~230V version	mm²	5x1,5	-	-	-
3N~400V version	mm²	5x1,5	5x1,5	5x1,5	5x1,5

CD/CH RC SERIES

Heat pump models		CD/CH 35 RC	CD/CH 43 RC	CD/CH 50 RC	CD/CH 60 RC
Heating capacity (2)	kW	9,5	12,2	14,3	18,3
Power input	kW	4,1	5,42	5,9	6,4
Cooling capacity (1)	kW	10,1	12,5	14,5	18,2
Power input	kW	5	5,1	5,7	6,5
Power supply					
- 1~230V - 50 Hz		•	-	-	-
- 3N~400V - 50Hz		•	•	•	•
Fuse (1~230V)	A	40	-	-	-
Fuse (3N~400V)	A	20	20	20	25
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Electrical connections (not supplied)					
1~230V version	mm²	6x1,5	-	-	-
3N~400V version	mm²	6x1,5	6x1,5	6x1,5	6x1,5

Note: values are expressed under a 230 V/50Hz voltage.

(1) Nominal cooling capacity: International nominal conditions (NF EN 255.2 / 814.2) - Type A: 27°C/19°C wetbulb - Outdoor air: 35°C/24°D wetbulb. (2) Nominal heating capacity: International conditions (NF EN 255.2 / 814.2): Indoor: 19°C/12°C wetbulb - Outdoor air: 7°C/6°C wetbulb. (3) Global acoustic pressure in dB(A) (1m) under nominal conditions: Outdoor unit in open field on open area against a reflecting background - Installation in an average sized room (LS-0,5s reverberation).



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