

HRD H

Compact unit of controlled mechanical ventilation, dehumidification and air treatment with heat recovery and high efficiency for application with radiant panels



PRODUCT INNOVATION AND PLUS

HRD = INNOVATION



ROTARY COMPRESSOR BLDC INVERTE R



DEHUMIDIFYING CAPACITY - +30% COMPARED TO THE MARKET
SIZE 30 - >50 l/day SIZE 50 – >70 l/day



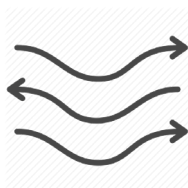
MINIMUM WATER FLOW –
CONNECTION TO THE COLLECTOR WITHOUT DEDICATED LINES
From 120 l/h to 200 l/h



WATER TEMPERATURE –
THE TEMPERATURE OF THE INLET WATER DOES NOT AFFECT THE
OPERATION AND LOSS OF DEHUMIDIFYING CAPACITY
IT IS POSSIBLE TO WORK WITH WATER RANGE FROM 10 TO 25°C



SOFTWARE AND ALGORITHM FOR THE REACH
OF THE MAXIMUM DEHUMIDIFYING CAPACITY



INTEGRATION AIR FLOW AND MODULATING DEHUMIDIFICATION
THE INVERTER COMPRESSOR ALLOWS TO MANAGE SLIDING AIR FLOWS
EVEN DURING THE DEHUMIDIFYING AND INTEGRATION PHASES

VENTILATION AND AIR TREATMENT UNIT

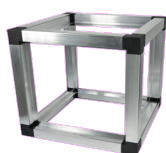
TECHNICAL CATALOGUE: 2023



GENERAL CHARACTERISTICS

STRUCTURE

High resistance structure with self-supporting frame in painted sheet metal. Choice of materials with high thermal and acoustic insulation characteristics



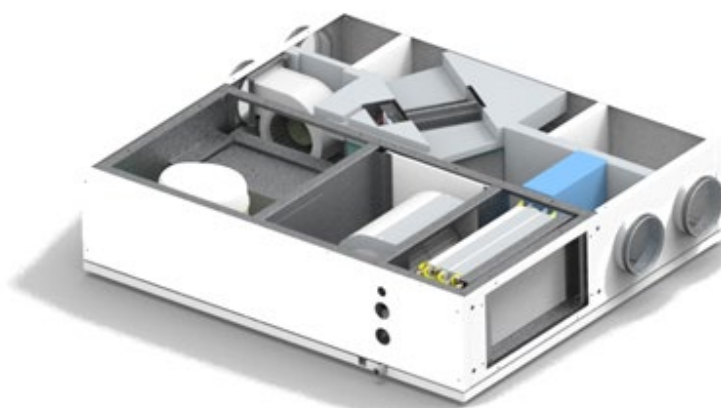
FANS

The unit is equipped with Erp2018 centrifugal fans with low energy consumption electronic motor and constant flow rate control



RECOVERY

High efficiency cross-flow polypropylene heat exchanger in counter-current.



COMPRESSOR

High efficiency reciprocating compressor



FILTRATION

There are flat filters with PM1 filtration class on the fresh air inlet and delivery, while Coarse filters are on the recirculation;



ELECTRONICS

The management of the system entrusted to an advanced but simple to manage electronic system. An online help ensures correct use via the operating keyboard.

TECHNICAL FEATURES

The HRD is a controlled mechanical ventilation unit with high efficiency heat recovery, air treatment section with dehumidification, cooling and heating. The unit is particularly suitable for residential, commercial or collective housing premises and is supplied plug-and-play for quick and easy installation. The unit consists of a monobloc including each component for correct operation and allows operation with wide ranges of external temperatures.

RECOVERY SECTION: Polypropylene counter-current heat exchanger with high efficiency >90%. Summer and winter operation.

VENTILATION: Brushless centrifugal fans with electronic motor and modulating control.
Very high efficiency and low noise levels Compliant with Erp2018 legislation.
Constant flow regulation.

AIR TREATMENT SECTION: The unit can be equipped with a cooling circuit for dehumidification or integration of cooling and heating. In the various configurations, it will be possible to select the type of air treatment desired between dehumidification only or dehumidification with heating and cooling of the primary air.

FILTRATION: PM1 filters 80% easily removable on the external air intake on the extract air.
Coarse filters with low pressure drop, easily removable on the recirculating air.

STRUCTURE: Paneling made of self-supporting sheet metal painted matt RAL9003 with high density EPS interior.
Self-supporting perimeter structure in galvanized sheet metal. The insulation of the panels is made with high-performance insulation with a thickness of 20 and 30 mm.

REFRIGERANT CIRCUIT: Made of brazed copper complete with: High efficiency compressor, filter drier, finned coils, water exchanger, solenoid valves, lamination device, liquid receiver, high and low pressure switches and piping thermal insulation.

ADJUSTMENT: Electrical panel on the unit with microprocessor and dedicated regulation. Fan management, display of internal machine temperature probes, timed dirty filter management, recirculation and renewal air management. Possibility of controlling the unit with these three solutions:

- 1: Management through external commands and 0-10 vdc signal for air flow control from minimum to maximum;
- 2: Management through remote panel with integrated T/H sensor
- 3: MODBUS RTU RS 485 communication

COMMAND FUNCTIONALITY

Here Of following he comes defined there composition of the unit electronics and possible management

VERSION k

Machine board card



PANEL REMOTE Optional WITH T/H PROBE



MANAGEMENT WITH EXTERNAL CONTACTS OR MODBUS RTU



Modbus

ECODESIGN CLASSIFICATION

The regulation, which entered into force on 15 December 2014, defines the energy consumption labels to be applied to ventilation units and the information to be placed in the instruction booklets of the appliances, so that consumers are fully informed about energy consumption and efficiency of the appliances.

DEFINITIONS: By "ventilation unit" we mean an electrically powered appliance equipped with at least one impeller, one motor and one casing, intended to replace the exhausted air with air coming from outside a building or part of it. The residential ventilation units subject to the obligation are those with a maximum flow rate of 250 m³/h. The rules are extended to those with flow rates between 250 and 1,000 m³/h only if they are intended, as declared by the manufacturer, exclusively for the ventilation of residential buildings.

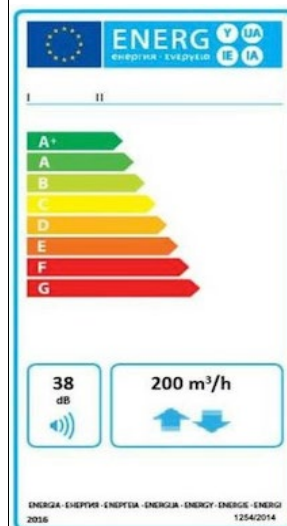
LABEL: The label will inform the consumer about the supplier's name or brand, the supplier's model identifier, the energy efficiency class of the appliance, the sound power level (LWA), in dB, and the maximum flow rate, in m³/h.

SUPPLIER RESPONSIBILITIES: Suppliers who place residential ventilation units on the market shall ensure that, as of 1 January 2016, the following conditions are met:

1. Each residential ventilation unit is accompanied by a printed label, in the format set out in Annex III, and containing the information indicated therein; the label must be present at least in the packaging of the unit. An electronic label in the format and with the information set out in Annex III is available to distributors for each model of residential ventilation unit;
2. A product sheet is available as indicated in Annex IV. The card is present at least in the packaging of the unit. For each residential ventilation unit model, an electronic product fiche, as described in Annex IV, is available to distributors and on public websites;
3. The technical documentation referred to in Annex V shall be provided upon request to the authorities of the Member States and the Commission;
4. Instructions for use are provided;
5. Any advertisement relating to a specific model of residential ventilation unit which contains information concerning energy or price indicates the specific energy consumption class of that model;
6. Any technical promotional material relating to a specific model of residential ventilation unit, describing its specific technical parameters, indicates its specific energy consumption class, as described in Annex IV;

RESPONSIBILITIES OF DISTRIBUTORS: Instead, distributors shall:

1. At the point of sale, each residential ventilation unit bears the label made available by suppliers pursuant to Article 3(1)(a) on the outside of the front or top of the appliance so that it is clearly visible;
2. Residential ventilation units offered for sale, for hire or hire-purchase in situations in which the end user is not expected to be able to view the product displayed, are marketed accompanied by the information provided by the suppliers pursuant to the annex VI, except if the offer is made via the Internet, in which case the provisions of Annex VII apply;
3. Any advertisement relating to a specific model of residential ventilation unit which contains information concerning energy or price indicates the specific energy consumption class of the unit;
4. Any technical promotional material relating to a specific model, which describes the technical parameters of a residential ventilation unit, including the specific energy consumption class of the model, as well as the instruction manual provided by the supplier.



Below are summarized the classification of the various models according to the European regulation 1253/2014 and 1254/2014

Size	AD 30/15	AD 50/25
Energy rating	A	A

UNIT CONFIGURATION

	-1-	-2-	-3-	-4-
HRD	30/15	H	K	DC

(1) Defines the Total flow rate and the fresh air flow rate

Models from 300/150 m³/h to 500/250 m³/h

HRD: inverter compressor

3) Electronic typology

K: K electronics

2) Type of installation

H: Horizontal

4) Construction typology

D: Version for neutral air dehumidification (isothermal)

DC: Version for dehumidification and integration in cold and hot

BRIEF DESCRIPTION OF THE VERSIONS

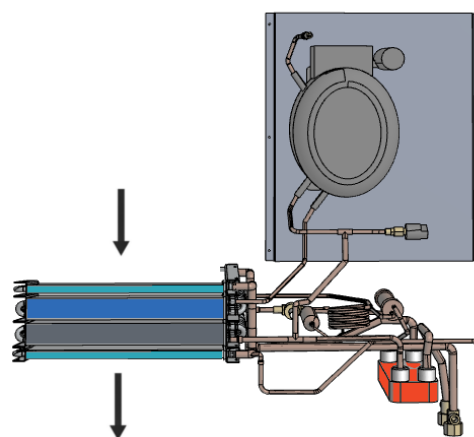
Version for dehumidification and integration in cooling/heating (DC)

Unit for the renewal of the room air with the outside air through a high efficiency recovery unit, the air flow is increased by partially recirculating the room air thus allowing the air to be dehumidified and to provide an integration of the cooling/heating power to the radiant air conditioning system.

During the summer period (compressor active) the unit can operate in 2 modes:

- 1 Renewal + Dehumidification: The unit condenses partially in air and partially in water via the plate condenser, obtaining dehumidified air;
- 2 Renewal + Dehumidification + Cooling integration: The unit condenses completely in water, thus obtaining dehumidified and cooled air.

During the winter period (compressor off) the hydronic coil is fed with hot water from the heating system and behaves like a fan heater with heat recovery unit.



Dc version in summer integration phase

VENTILATION AND AIR HANDLING UNIT

TECHNICAL CATALOG 2019



UNIT COMPOSITION

	<i>Version DC</i>
REFRIGERANT CIRCUIT	
Hermetic reciprocating compressor	•
Copper tube air condenser with aluminum fins	•
Hydronic condenser with stainless steel heat exchanger	•
Copper tube heat exchanger with aluminum fins	•
rolling organ	•
Filter drier	•
High pressure switches	•
HYDRAULIC CIRCUIT	
Post cooling/heating hydronic coil	•
Pre-cooling/heating hydronic coil	•
2-way valve with 230v thermoactuator	•
AEREAULIC CIRCUIT	
Polypropylene heat exchanger	•
N°2 Centrifugal fans with Brushless motors	•
PM1 filters on the external air intake and on the supply air	•
Coarse filters on the recirculated air intake	•
Recirculation damper with 230 on off motor	•
Outside air damper with 0-10v modulating motor	•
ELECTRICAL CIRCUIT	
Microprocessor	•

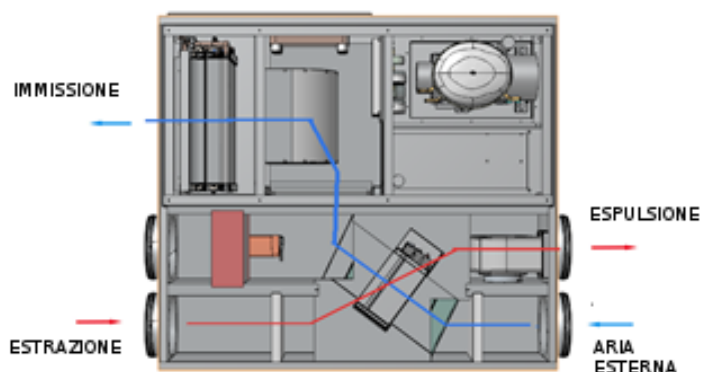
• = Installed as standard

/ = Not available

UNIT OPERATION

VENTILATION ONLY OPERATION

The HRD unit will cater for mechanical ventilation with high efficiency heat recovery.
It will be possible to select the fan speeds in order to obtain the desired flow rate to satisfy the air renewal requests.



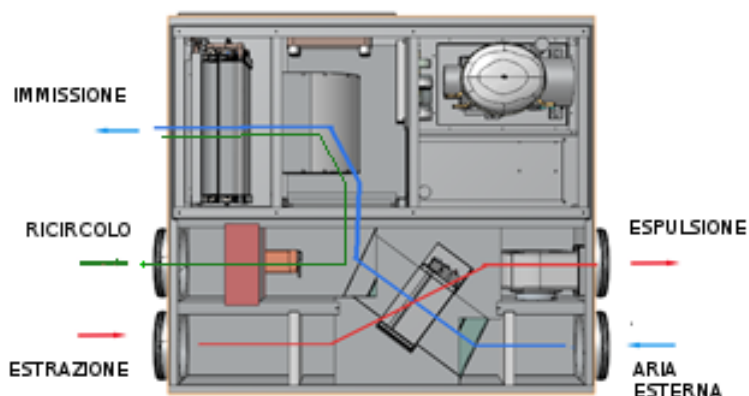
VENTILATION, DEHUMIDIFICATION AND INTEGRATION OPERATION

The HRD unit will continue to satisfy mechanical ventilation with high efficiency heat recovery but will increase the air flow, recirculating from a dedicated ambient air duct to increase the air volume on the integration part.

The integration part can consist of a version with dehumidification (Version D), a version with dehumidification and integration (Version DC) and hydronic integrative coils.

The DC version finds its most common application in radiant systems where there is a need for dehumidification and integration of cooling in the summer. During operation, the unit activates the refrigeration circuit via humidity and temperature probes made up of the compressor, the air evaporation coil and the air and water condenser fed by the radiant system thus dehumidifying the air and integrating of cooling.

In winter, however, it is possible to use the unit to supplement the radiant heating by feeding the hot water hydronic coil, obtaining a rapid heat input to the environment.



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UNIT PERFORMANCE

GENERAL TECHNICAL DATA

Size		HRD+ 30/15	HRD+ 50/25
Recovery unit winter nominal efficiency ¹	%	86.5	83.7
Nominal outside air flow	m ³ /h	155	252
Total air flow	m ³ /h	337.5	534

(1) External air temperature 7°; relative humidity 72%. room temperature 20°C; relative humidity 28%, nominal air flow

DC VERSION

Useful dehumidification capacity 1	l/24h	56	89
Total cooling capacity	kW	2.6	3.95
Compressor absorbed power	kW	0.69	0.95
Compressor frequency	hz	55	73
EER extension		3.75	4.15
Sensible cooling capacity ² (available are in phase of integration)	kW	1.18	1.69
Thermal power output ³	kW	0.53	1.15
Water flow	m ³ /h	0.12	0.18
Load loss	Kpa	9	7
Sound pressure Lp at 3 m	dB(A)	39.5	40.8
Power supply	V/Ph/ Hz	230/1/50	230/1/50
Maximum current absorbed in operation	TO	3.8	5.3
Maximum power absorbed in operation	kW	0.81	1.12
Components maximum absorbed current	TO	7.3	7.9
Maximum absorbed power components	kW	1.58	1.67

(1) External air temperature 33°; relative humidity 50%. Ambient temperature 25°C; relative humidity 50%, water temperature 16°. nominal air and water flow

(2) External air temperature 33°; relative humidity 50%. Ambient temperature 25°C; relative humidity 50%, water temperature 16°. nominal air and water flow

(3) Ambient temperature 20°C; relative humidity 50%, nominal air flow; Water at 35°C

VENTILATION AND AIR HANDLING UNIT

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HRD 30/15

Fans

Type of Fans		Backward-curved radials, directly coupled electronic motor – 0/10 V signal
Number of fans	No	2
Ventilation air flow	m³/h	155
Integration air flow	m³/h	334.5
Nominal useful pressure	Pa	110

Heat exchanger

Type of exchanger		Counterflow plates – polypropylene material
Number of Exchangers	No	1
Recovery efficiency	%	86.5

Data Heating and cooling capacities / dehumidification capacity

Useful dehumidification capacity ¹	l/24h	56
Total cooling capacity	kW	2.6
Compressor absorbed power	kW	0.69
Compressor frequency	hz	55
EER extension		3.75
Sensible cooling capacity 2 (available are in phase of integration)	kW	1.18
Thermal power output ³	kW	0.53
Water flow	m³/h	0.12
Load loss	Kpa	9
Refrigerant gas		R410a

(1) External air temperature 30°C; relative humidity 60%. ambient temperature 25°C; relative humidity 50%, nominal air flow

(2) Ambient temperature 25°C; relative humidity 60%, nominal air flow; Water at 16°C

(3) Ambient temperature 20°C; relative humidity 60%, nominal air flow; Water at 35°C

Filters

Type of filters		Plan Filters
Filtration class		Coarse + ePM1 + ePM1

Acoustic data

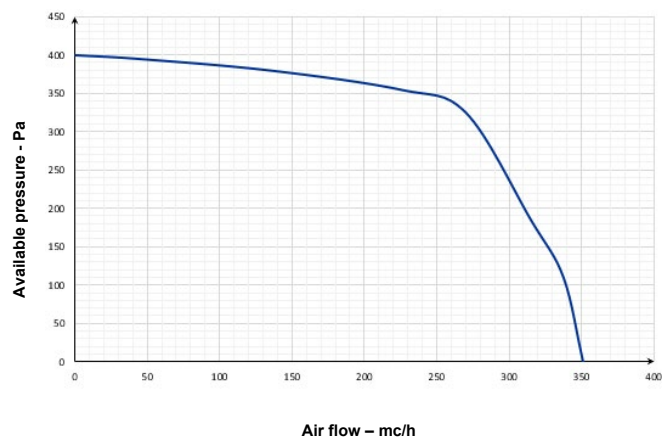
Sound power Lw sent by the facility	dB(A)	48
Sound power Lw radiated into the canal	dB(A)	61.5
Average sound pressure Lp at 1Mt	dB(A)	44.7
Average sound pressure Lp at 3Mt	dB(A)	36.8

Electrical data

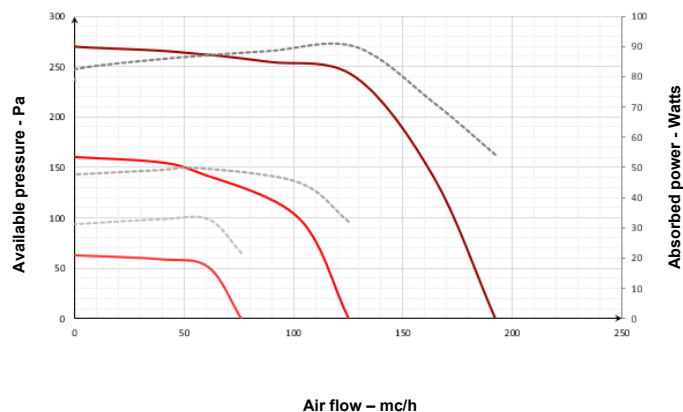
Supply voltage	v	230 / 1 / 50Hz.
Current consumption	TO	3.5
Degree of protection	IP	20

CURVES HRD 30/15

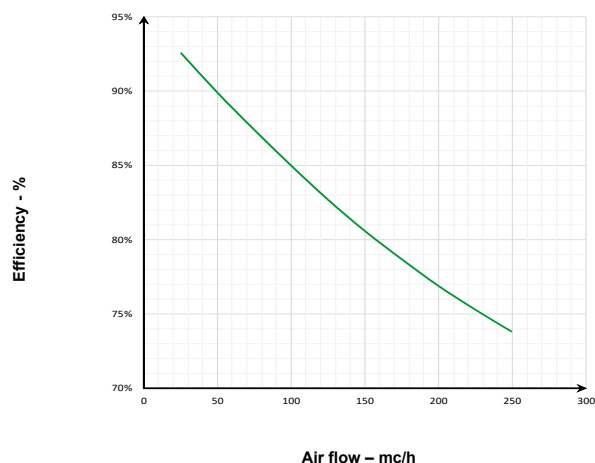
AERUALIC PERFORMANCE
TEGRATING/DEHUMIDIFYING



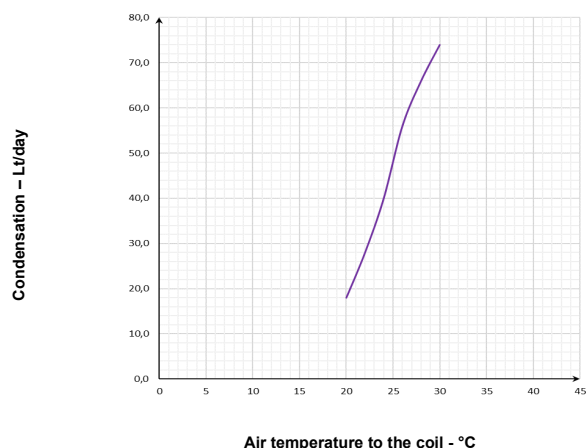
VENTILATION AERUALIC PERFORMANCE



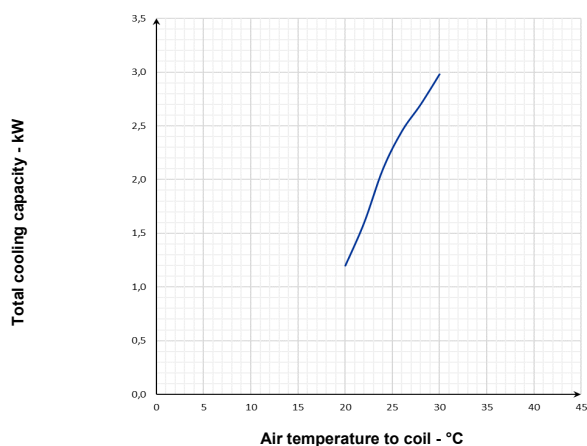
THERMAL EFFICIENCY (1)



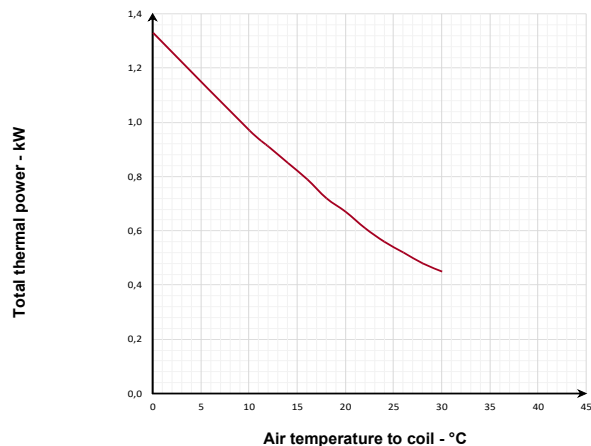
DEHUMIDIFYING CAPACITY (2)



COOLING CAPACITY (3)



THERMAL OUTPUT (4)



(1) External air temperature 7°; relative humidity 72%. room temperature 20°C; relative humidity 28%, nominal air flow

(2-3) External air temperature 33°; relative humidity 50%. ambient temperature 25°C; relative humidity 50%, water temperature 16°. nominal air and water flow

(4) Ambient temperature 20°C; relative humidity 50%, nominal air flow; Water at 35°C

VENTILATION AND AIR HANDLING UNIT

TECHNICAL CATALOG 2019



DATA ERP ECODESIGN HRD 30/15

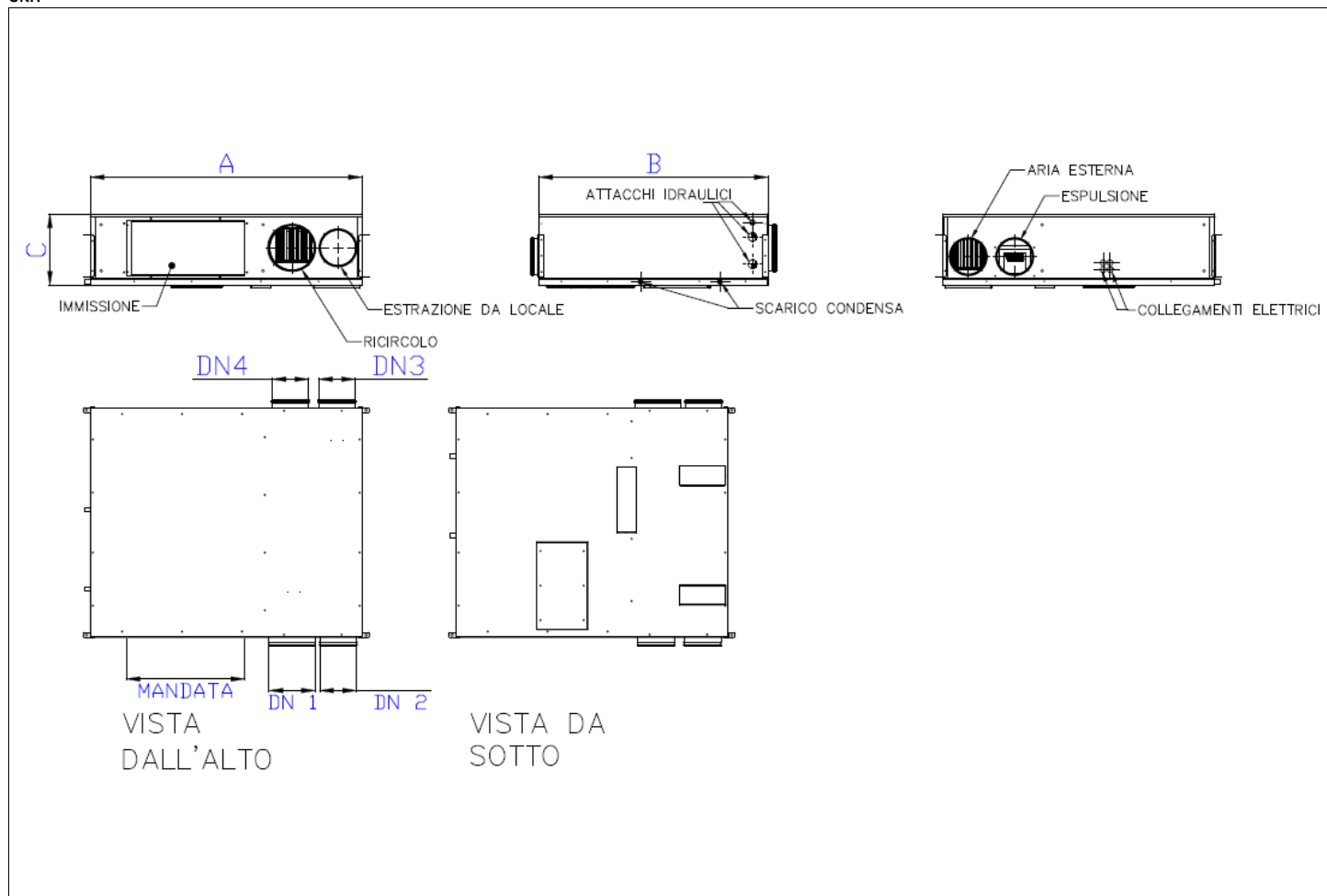
TO	Supplier name or brand			
b	Model identifier			HRD 30/15H DC
c	Version			Central demand control
	SEC	kWh/m2.a	COLD	-77.08
			AVERAGE	-39.08
			WARM	-14.69
	SEC CLASS			<div>A</div>
d	Declared typology			UVR - Bidirectional
AND	Drive type installed			Speed variator
f	Heat recovery system			To recovery
g	Thermal efficiency of heat recovery		%	86.5
h	Maximum capacity		Mc/s	0.043
THE	Electrical power absorbed at maximum flow rate		w/h	90
j	Sound power level		Lwa	48
k	Reference range		Mc/s	0.030
L	Reference pressure		Pa	50
m	SPI		w/m³/h	0.26
No	Control factor		CLTR	0.85
OR	Maximum percentages declared for leakage		%	3.5 ext. / 3.9 int.
Q	Location and description of the signal related to the filter			Shown on unit and remote control display e on the instruction manual
St	Internet address disassembly instructions			
v	AEC extension	kWh/a	COLD	8.14
			AVERAGE	2.77
			WARM	2.32
w	AHS extension	kWh/a	COLD	88.71
			AVERAGE	45.34
			WARM	20.50

VENTILATION AND AIR HANDLING UNIT **innova**

TECHNICAL CATALOG 2019

DIMENSIONS AND FUNCTIONAL SPACES

UNIT



Model	HR extension	30/15
Width A	mm	880
Depth B	mm	1070
Height C	mm	251
Recirculation air inlet DN1	mm	160
DN2 stale air inlet	mm	160
Fresh air inlet DN3	mm	160
Stale air expulsion DN4	mm	160
Delivery b x h	mm	350x180
Weight	Kg	74
Delivery/return water connections	OR	1/2" - 1/2"
Condensation	OR	18

HRD 50/25

Fans

Type of Fans		Backward-facing radials - directly coupled electronic motor - 0/10 V signal
Number of fans	No	2
Ventilation air flow	m ³ /h	252
Integration air flow	m ³ /h	534
Nominal useful pressure	Pa	100

Heat exchanger

Type of exchanger		Counterflow plates – polypropylene material
Number of Exchangers	No	1
Recovery efficiency	%	83.7

Data Heating and cooling capacities / dehumidification capacity

Useful dehumidification capacity ¹	l/24h	89
Total cooling capacity	kW	3.95
Compressor absorbed power	kW	0.95
Compressor frequency	Hz	73
EER extension		4.15
Sensible cooling capacity ² (available are in phase of integration)	kW	1.69
Thermal power output ³	kW	1.15
Water flow	m ³ /h	0.18
Load loss	Kpa	7
Refrigerant gas		R410a

(1) External air temperature 30°C; relative humidity 60%. ambient temperature 25°C; relative humidity 50%, nominal air flow

(2) Ambient temperature 25°C; relative humidity 60%, nominal air flow; Water at 16°C

(3) Ambient temperature 20°C; relative humidity 60%, nominal air flow; Water at 35°C

Filters

Type of filters		Plan Filters
Filtration class		Coarse + ePM1 + ePM1

Acoustic data

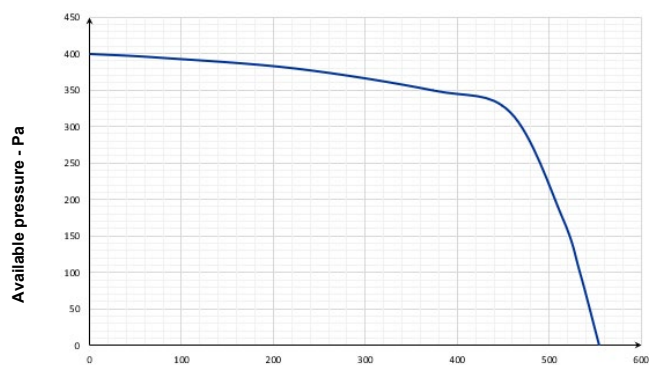
Sound power L _w sent by the facility	dB(A)	49
Sound power L _w radiated in the channel	dB(A)	63
Average sound pressure L _p at 1Mt	dB(A)	45.5
Average sound pressure L _p at 3Mt	dB(A)	37.7

Electrical data

Supply voltage	v	230 / 1 / 50Hz.
Current consumption	TO	5.9
Degree of protection	IP	44

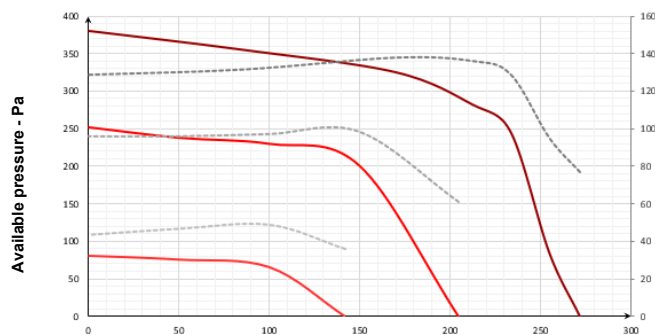
CURVES HRD 50/25

INTEGRATION/DEHUMIDIFICATION AERAULIC PERFORMANCE



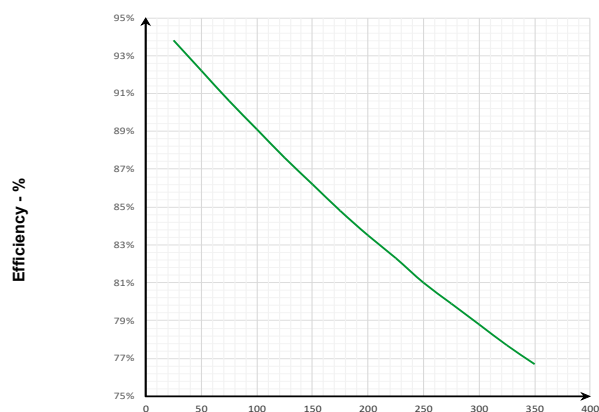
Air flow – mc/h

VENTILATION AERAULIC PERFORMANCE



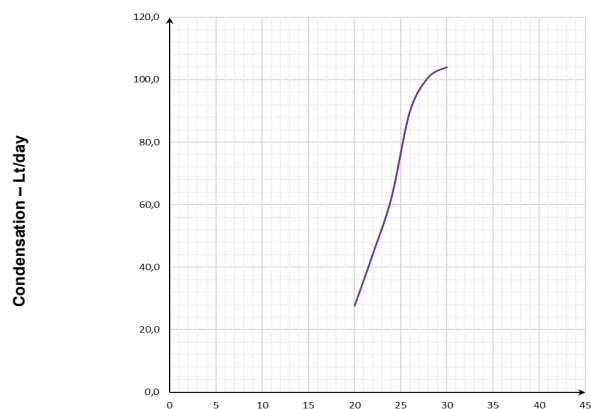
Air flow – mc/h

THERMAL EFFICIENCY (1)



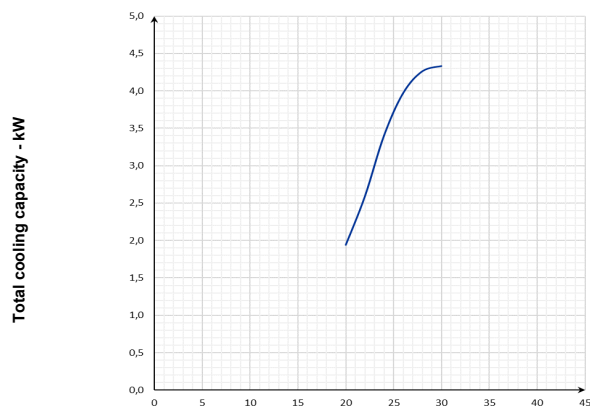
Air flow – mc/h

DEHUMIDIFYING CAPACITY (2)



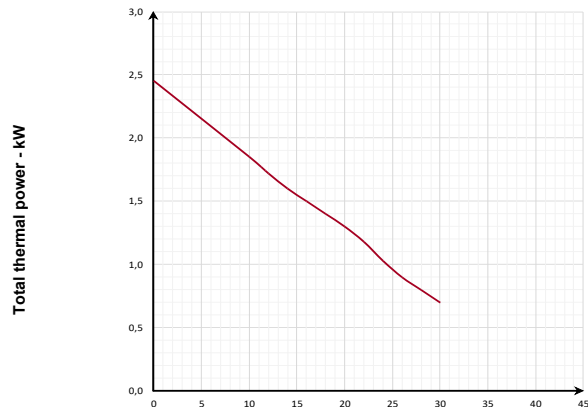
Battery air temperature - °C

COOLING CAPACITY (3)



Air temperature to coil - °C

THERMAL OUTPUT (4)



Air temperature to coil - °C

- (1) External air temperature 7°; relative humidity 72%. room temperature 20°C; relative humidity 28%, nominal air flow
 (2-3) External air temperature 33°; relative humidity 50%. ambient temperature 25°C; relative humidity 50%, water temperature 16°. nominal air and water flow
 (4) Ambient temperature 20°C; relative humidity 50%, nominal air flow; Water at 35°C

VENTILATION AND AIR TREATMENT UNIT

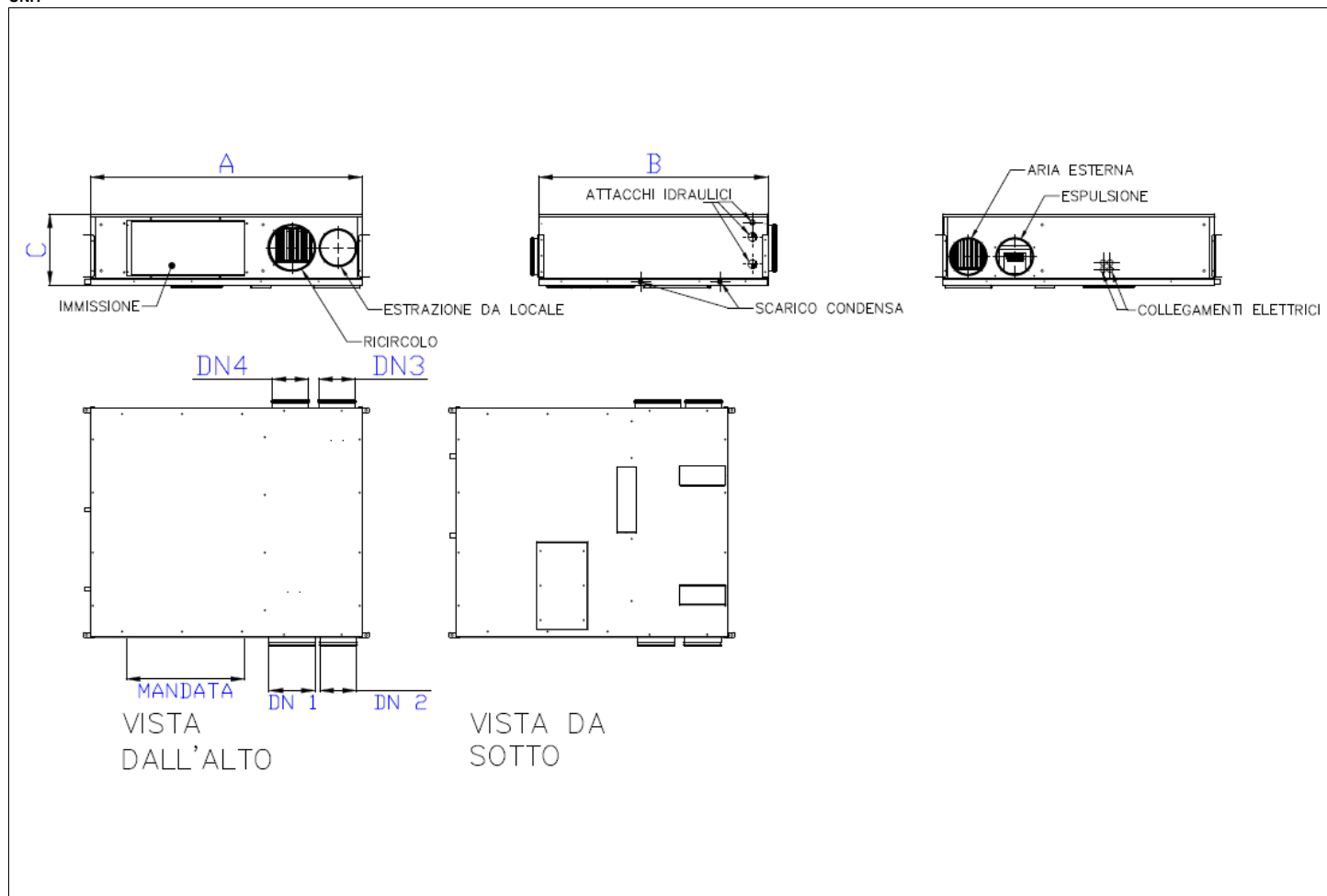
DATA ERP ECODESIGN HRD 50/25

TO	Supplier name or brand			
b	Model identifier			HRD+ 3+2 50/25 HK DC
c	Version			Central demand control
	SEC	kWh/m2.a	COLD	-73.22
			AVERAGE	-35.95
			WARM	-11.97
	SEC CLASS			<div>A</div>
d	Declared typology			UVR - Bidirectional
AND	Drive type installed			Speed variator
f	Heat recovery system			To recovery
g	Thermal efficiency of heat recovery		%	83.7
h	Maximum capacity		Mc/s	0.07
THE	Electrical power absorbed at maximum flow rate		w/h	138
j	Sound power level		Lwa	49
k	Reference range		Mc/s	0.0522
L	Reference pressure		Pa	50
m	SPI		W / m3/h	0.36
No	Control factor		CLTR	0.65
OR	Maximum percentages declared for leakage		%	2.9 ext. / 3.3 int.
Q	Location and description of the signal related to the filter			Shown on unit and remote control display e on the instruction manual
St	Disassembly instructions internet address			
v	AEC extension	kWh/a	COLD	9.09
			AVERAGE	3.72
			WARM	3.27
w	AHS extension	kWh/a	COLD	87.23
			AVERAGE	44.59
			WARM	20.16

VENTILATION AND AIR TREATMENT UNIT innova

DIMENSIONS AND FUNCTIONAL SPACES

UNIT



Model	HR extension	50/25
Width A	mm	995
Depth B	mm	1180
Height C	mm	251
Recirculation air inlet DN1	mm	200
DN2 stale air inlet	mm	160
Fresh air inlet DN3	mm	160
Stale air expulsion DN4	mm	160
Delivery b x h	mm	515x240
Weight	Kg	90
Delivery/return water connections	OR	1/2" - 1/2"
Condensation	OR	18

VENTILATION AND AIR TREATMENT UNIT

OPERATING LIMITS


Size	HRD 30/15 - 50/25		
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HEATING		Internal air	Outside Air
	°C - U%	15th / 30th - 40% / 90%	-20° / 20°


COOLING		Internal air	Outside Air
	°C - U%	18th / 30th - 40% / 90%	20° / 40°


ACCESSORY LIST

K VERSION ADJUSTMENT

CNU – DIGITAL REMOTE CONTROL WITH T/H SENSOR for K electronics	
<p>Removable panel for support on horizontal 503 box or on wall with graphic interface</p> <p>and various unit control functions.</p> <p>Maximum connection length 15 m with power supply from the unit while 50mt with external power supply 12 Vac;</p>	

ACCESSORIES

VDZ2 – 2-WAY VALVE	
<p>2-way zone valve activated directly by the unit to allow power to the hydronic coil, it is equipped with a micro-auxiliary contact for any circulator command.</p>	

VDZ3 – 3-WAY VALVE	
<p>3-way zone valve activated directly by the unit to allow power to the hydronic coil, it is equipped with a micro-auxiliary contact for any circulator command.</p>	

VENTILATION AND AIR TREATMENT UNIT

AERAUCLICS

PL3 - DIRECT DELIVERY PLENUM FLEXIBLE HOSES SIZE 30/15 - 40/20

Delivery plenum with 3 circular inlets Dn125 mm
Flanges for fixing to the unit.
Internal insulation in polyethylene.



PL5 - DIRECT DELIVERY PLENUM FLEXIBLE HOSES SIZE 50/25 - 60/30

Delivery plenum with 5 circular inlets Dn125 mm
Flanges for fixing to the unit.
Internal insulation in polyethylene.



PL8 - DIRECT DELIVERY PLENUM CORRUGATED PIPES SIZE 30/15 40/20

Delivery plenum with 8 front inlets + 8 side inlets for DN75 / DN90 mm connection



PL12 - DIRECT DELIVERY PLENUM 12 CORRUGATED PIPES SIZE 50/25 60/30

Delivery plenum with 12 front inlets + 8 side inlets for DN75 / DN90 mm connection



PL1 - DIRECT DELIVERY PLENUM FOR REMOTE MANIFOLD SIZE 30/15 40/20

Delivery plenum with 1 circular inlet Dn 200 mm for delivery manifold remote control
Flanges for fixing to the unit.
Internal insulation in polyethylene.



PL1 - DIRECT DELIVERY PLENUM FOR REMOTE MANIFOLD SIZE 50/25 60/30

Delivery plenum with 1 circular inlet Dn 200 mm for delivery manifold remote control
Flanges for fixing to the unit.
Internal insulation in polyethylene.



VENTILATION AND AIR TREATMENT UNIT innova

FDR – REPLACEMENT FILTERS PM1

Kit consisting of three spare filters (2 PM1 and one Coarse) for unit maintenance;
The filters are easily removable through the dedicated inspectable doors;



FCA – ACTIVATED CARBON FILTER PM1

Active filter composed of a filter media activated with mini granules of activated carbon;
Recommended for areas with a high rate of gas contaminants in the outdoor air (VOC, PAC, OZONE, SO2, NOX)
The activated carbon filter must be replaced regularly to ensure its effectiveness.



UNIT ORDERING CODES

Unit codes VERSIONS K

Code	Description
VRVD30RC3II	HRD 30/15 HD ON-OFF Unit with recovery + recirculation + dehumidification. Horizontal / vertical installation. Dehumidification version
VRVI30RCKII	HRD 30/15H DC INVERTER Unit with recovery + recirculation + dehumidification. Horizontal / vertical installation. Version for dehumidification and integration in cooling
VRVD50RC3II	HRD 50/25 HD ON-OFF Unit with recovery + recirculation + dehumidification. Horizontal / vertical installation. Dehumidification version
VRVI50RCKII	HRD 50/25H DC INVERTER Unit with recovery + recirculation + dehumidification. Horizontal / vertical installation. Version for dehumidification and integration in cooling

ORDERING CODES ACCESSORIES

ADJUSTMENT

Remote control panel

Model	All models
Description	
Code	AHRD0052II

ACCESSORIES

Motorized 2-way valve ON OFF

Model	All models
Description	VDZ2
Code	AHRD0311II

Motorized 3-way valve ON OFF

Model	All models
Description	VDZ3
Code	AHRD0312II

Air delivery plenum - 3 inlets Dn 125-

Model	HRD 30/15
Description	PL3
Code	AHRD0017II

Air delivery plenum - 5 entries Dn 125-

Model	HRD 50/25
Description	PL5
Code	AHRD0018II

Air delivery plenum – 8 inlets Dn 75/90

Model	HRD 30/15
Description	PL8
Code	SCO312008II

Air delivery plenum – 12 inlets Dn 75/90

Model	HRD 50/25
Description	PL12
Code	SCO502512II

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Air delivery plenum – 1 Dn 200 inlets

Model	HRD 30/15
Description	PL1
Code	AHRD0217II

Air delivery plenum – 1 Dn 200 inlets

Model	HRD 50/25
Description	PL1
Code	AHRD0227II

Spare Filter Kit - FDR -

Model	HRD 30/15	HRD 50/25
Description	FDR	FDR
Code	AHRD0029II	AHRD0030II

Active Filter - FCA-

Model	HRD 30/15	HRD 50/25
Description	FCA	FCA
Code	AHRD0927II	AHRD0928II

VENTILATION AND AIR TREATMENT UNIT innova

TECHNICAL CATALOG 1 2020

The CE marking (present on each machine) certifies compliance with the following EU standards:

- Low Voltage Directive 2014/35/EC
- Electromagnetic Compatibility Directive 2014/30/EC
- Ecodesign 2009/125/EC

Rev.0 - 01 2023



The data contained in this technical catalog may be changed by the manufacturer without notice.