

AIR TREATMENT AND RESIDENTIAL HRV

To complete our radiant HVAC systems, we offer indoor ventilation and air treatment solutions to provide comfort, energy saving, hygiene and health.

- 206 Air dehumidification/integration
- 210 Heat recuperators
- 216 Heat recuperators with dehumidification/thermodynamic integration
- 222 Heat recuperators with dehumidification/hydronic integration
- 226 Heat pump active recuperators (Clean-Air)
- 230 Air distribution components (plenum and manifolds, air diffusers and grids, ducts and fittings..)
- 239 Spare parts for centralized HRV
- 240 Pinch-point heat recuperators (decentralized HRV)



Energy Management



Radiant Systems



Water Management



Gas Distribution



Renewable Sources



Hydrogen Systems



Fire Protection

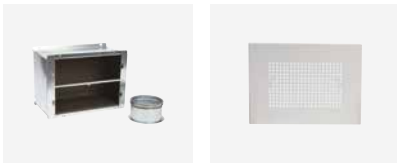
➤ Air dehumidification/integration

1 - Dehumidifiers



p. **208**

2 - Plenums for room openings and grids



p. **230**

3 - Ducts, fittings, accessories



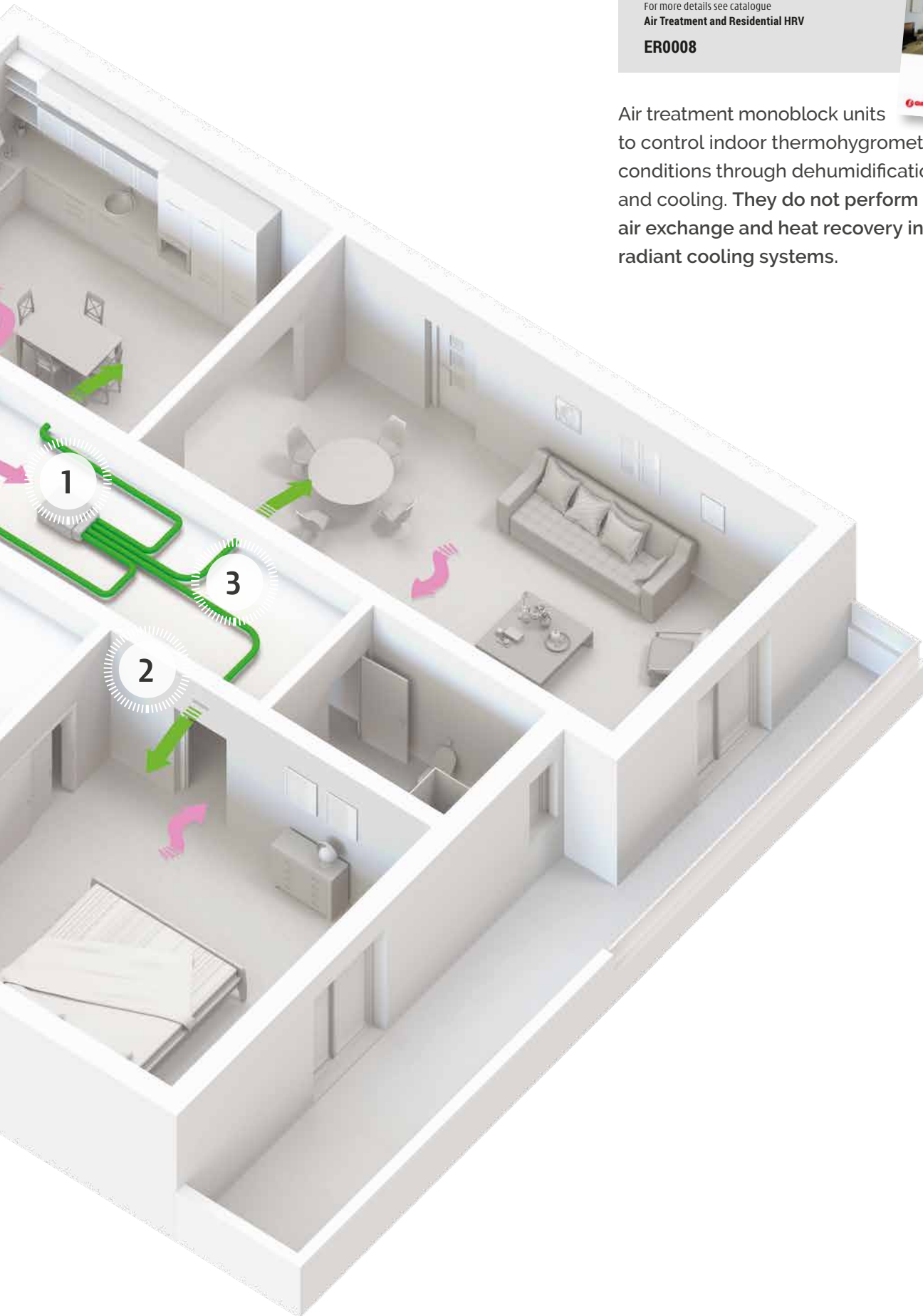
p. **233**



For more details see catalogue
Air Treatment and Residential HRV
ER0008



Air treatment monoblock units to control indoor thermohygrometric conditions through dehumidification and cooling. They do not perform air exchange and heat recovery in radiant cooling systems.



KDP

PRODUCT CODE	SIZE		
KDPHY024	Dehumidification	1	-
KDPRHY024	Dehumidification + integration	1	-

WITH ECO-FRIENDLY GAS AND MORE EFFICIENT



Wall flush-mount monoblock unit for humidity control and use with cooling radiant systems. Optional sensible power integration.

Equipped with removable synthetic filtering system class G3 (EN7 79:2002), centrifugal fan with 3-speed direct-coupling motor, cooling circuit with R290 cooling gas, hydraulic circuit, treatment coils with copper pipe and aluminum fins.

Also available: counter-case and front panel in white lacquered wood.

Dehumidification capacity 23,0 l/24h.

Air flow rate during dehumidification 200 m³/h and 300 m³/h during integration (KDPRHY024 only).

Nominal working temperature range 15÷30 °C.

Water connections 2x1/2" F.

Power 230 V.

KDS

PRODUCT CODE	SIZE		
KDSHY026	Dehumidification	1	-
KDSRHY026	Dehumidification + integration	1	-
KDSRHY350	Dehumidification + integration	1	-

WITH ECO-FRIENDLY GAS AND MORE EFFICIENT



Humidity control monoblock unit for suspended ceiling installation and use with cooling radiant systems.

Optional sensible power integration.

Equipped with removable synthetic filtering section class G3 (EN779: 2002), centrifugal fan with 3-speed direct-coupling motor, cooling circuit with R290 cooling gas, hydraulic circuit, treatment coils with copper pipe and aluminum fins. Power 230 V.

① INFO

KDSHY026

Dehumidification duct-type monoblock unit.

Dehumidification capacity 24,7 l/24h.

Air flow rate 200 m³/h.

Nominal working temperature range 15÷30 °C.

Water connections 2x1/2" F.

Also available: KDS-ACC delivery plenum with multiple connections for flexible distribution.

KDSRHY026

Dehumidification and sensible power integration duct-type monoblock unit.

Dehumidification capacity 24,7 l/24h.

Dehumidification air flow rate 200 m³/h, integration flow rate 300 m³/h.

Nominal working temperature range 15÷30 °C.

Water connections 2x1/2" F.

Also available: KDS-ACC delivery plenum with multiple connections for flexible distribution.

KDSRHY350

Dehumidification and sensible power integration duct-type monoblock unit.

Dehumidification capacity 38,3 l/24h.

Air flow rate 350 m³/h.

Nominal working temperature range 12÷22 °C.

Water connections 4x1/2" F.

Also available: KDS-ACC delivery plenum with multiple connections for flexible distribution.

DIMENSIONI, PESO E ATTACCHI	KDPHY024	KDPRHY024		KDSHY026	KDSRHY026		KDSRHY350	KDSRY500
		Deumidificazione	Integrazione		Deumidificazione	Integrazione		
Air latent power [W] at 26 °C -65 % supply water at 15 °C	665	665	644	715	715	689	1.116	1.740
Air sensible power [W] at 26 °C -65 % supply water at 15 °C	814	814	973	844	844	1.011	1.469	2.070
Total water flow rate [l/h]	220	220	290	240	220	280	350	500
Water circuit loss of pressur [mm.c.a.]	1.100	1.200		1.100		1.100	1.200	1.600
Nominal air flow rate [m³/h]	200	200	300	200	200	300	350	500
Hydraulic head available [Pa] factory setting	-	-		15	24	45	40	60
Absorbed electric power [W] single-phase supply 230 V - 50 Hz	250	250	290	260	260	270	456	750
Max dimensions l x p x h [mm]	722x573x202	722x573x202		645x550x247		654x584x247	700x593x262	767x645x287
Weight [kg]	31	34		29		32	85	85

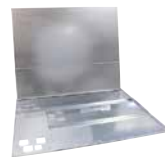
Greater energy efficiency and environment protection: the innovation by Giacomini has no boundaries.

The new air treatment units by Giacomini combine top-notch technical performance to an eco-friendly core: the cooling fluid used in the cooling circuit is propane R290, a natural alternative to traditional GWP cooling gases, featuring an outstanding thermodynamic performance. The Global Warming Potential parameter identifies the greenhouse-effect global warming potential caused by a specific gas in the atmosphere. Taking as reference value carbon dioxide CO₂, equal to 1, the choice of gas R290 was determined by its GWP=3, a value extremely lower than GWP=1300 of gas R134a used so far. The technical development based on the load of refrigerant R290 has enhanced "key" components, such as the compressor, enabling to increase efficiency by 30% compared to the previous model.



KDP-ACC

PRODUCT CODE	SIZE		
KDPCY024	Outer casing	1	-
KDPFY024	Front panel	1	-



KDPCY024



KDPFY024

Completion accessories for KDP wall flush-mount dehumidifiers.

- Counter-case (760x619x219 mm): galvanized steel sheet case for wall flush mounting of the dehumidifier
- Front panel with grid (790x630x18 mm): made with white lacquered mdf wood to conceal the dehumidifier with an appealing finish.

Supplied with counter-case fitting rails to adapt it to the surface finish and magnets for simplified fitting without screw anchors.

KDS-ACC

PRODUCT CODE	SIZE		
KDSPLY026	Delivery plenum for KDS...26	1	-
KDSPLY350	Delivery plenum for KDSRHY350	1	-



4-WAY DELIVERY PLENUM



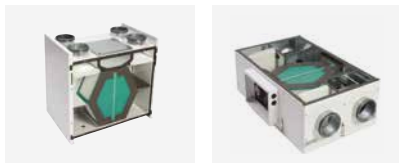
6-WAY DELIVERY PLENUM

Completion accessories for KDS suspended ceiling dehumidifiers.

Delivery plenum. Made with galvanized steel sheet, insulated, it features pre-cut holes to fit the special supports included. The plenum must be connected to the unit, but it can be anchored to the ceiling autonomously to bear the duct weight during maintenance of the dehumidifier.

➤ Heat recuperators

1 - Ventilation units



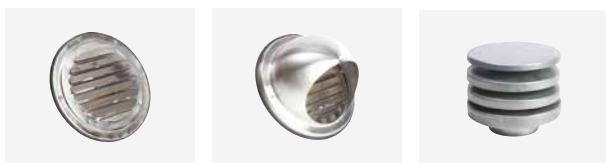
p. **212**

2 - Manifolds



p. **231**

3 - Grids and external terminals



p. **235**

4 - Plenums for room openings and grids

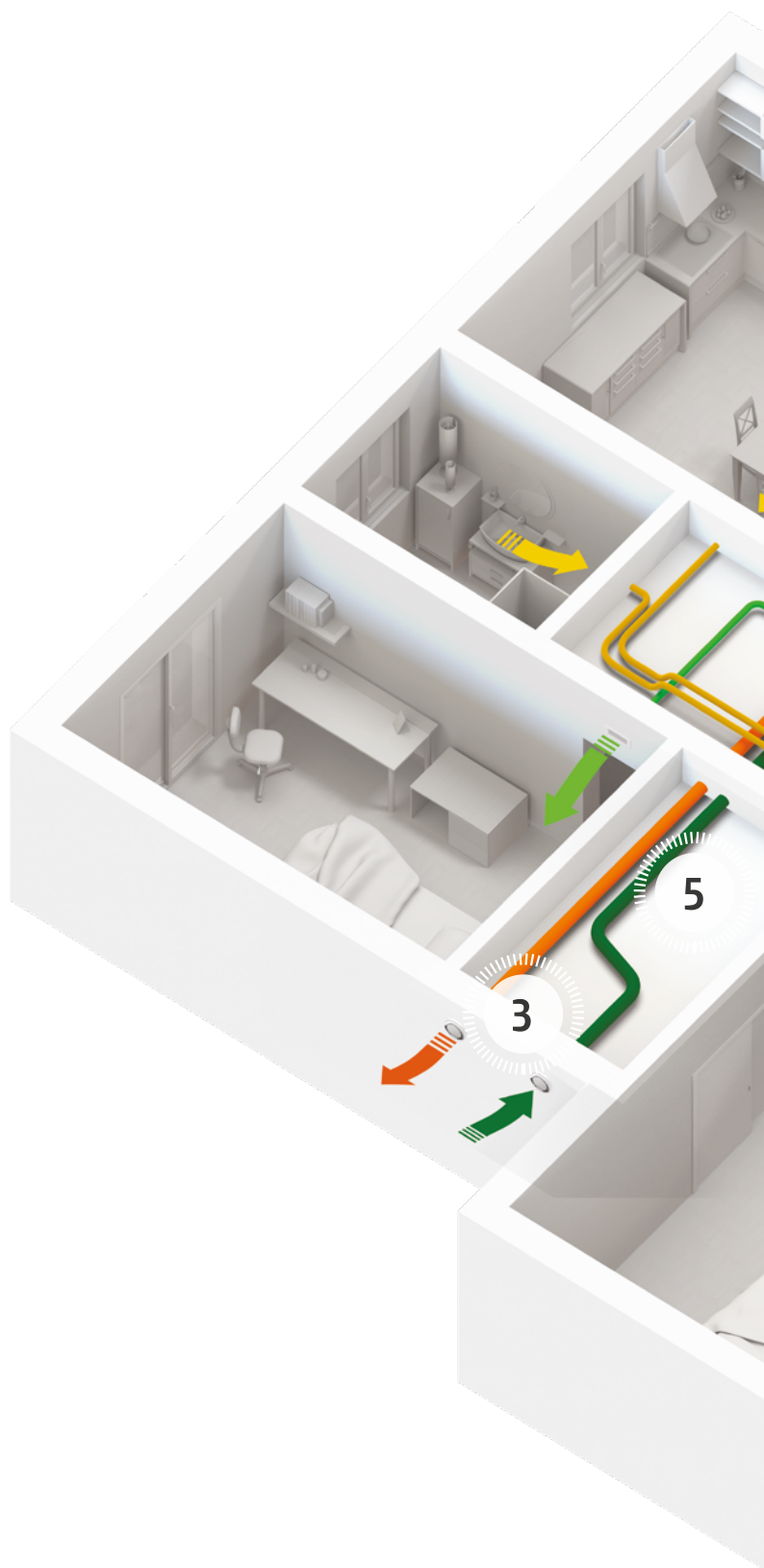


p. **231**

5 - Ducts, fittings, accessories



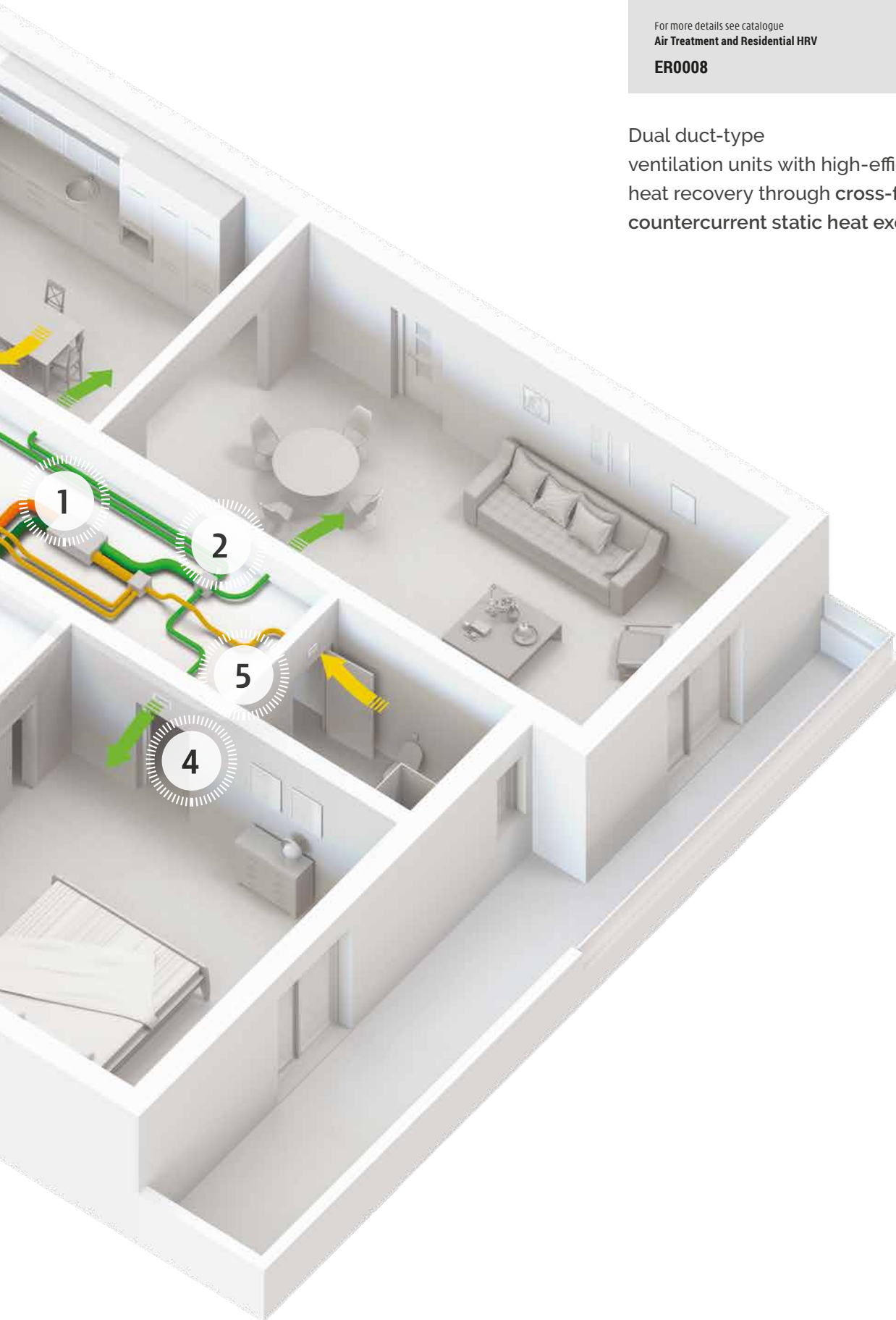
p. **233**



For more details see catalogue
Air Treatment and Residential HRV
ER0008



Dual duct-type
ventilation units with high-efficiency
heat recovery through cross-flow
countercurrent static heat exchanger.



KHR-V

WITH STANDARD EXCHANGER

PRODUCT CODE	SIZE		
KHRVY200	200 m ³ /h	1	-
KHRVY300	300 m ³ /h	1	-
KHRVY400	400 m ³ /h	1	-
KHRVY500	500 m ³ /h	1	-

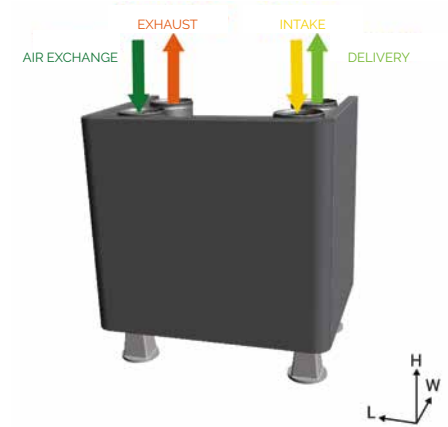


KHRCY101
Wi-Fi



Dual-flow duct-type ventilation unit with high-efficiency heat recovery, for wall or floor-mount vertical installation.
Compact design for convenient installation in technical compartments or attics.
Two versions available: with standard or enthalpy static heat exchanger.
Control panel with capacitive touch-screen for wall surface mounting sold separately.

	KHRVY200	KHRVY300	KHRVY400	KHRVY500
Length / Width "L" - mm	625	785	785	785
Depth "W" - mm	430	575	735	735
Height "H" - mm	510	590	590	590
Weight - kg	36	54	65	65
Air connections - DN, mm				
- Fresh air delivery	DN125	DN160	DN160	DN160
- Foul air extraction	DN125	DN160	DN160	DN160
- External air intake	DN125	DN160	DN160	DN160
- Foul air exhaust	DN125	DN160	DN160	DN160
Condensation drain - mm	Ø16	Ø16	Ø16	Ø16



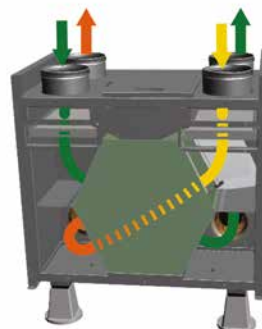
WINTER/SUMMER OPERATIONAL DIAGRAM.

External air is filtered and pushed into the exchanger where it recovers/releases heat from the ejected counter-flow before being channeled into the noble ambients.
Simultaneously, foul air from service rooms is pushed to the opposite side of the exchanger where it releases/gains heat from the counter-flow before being ejected outside.
There is no contact or mixing between the air counter-flows inside the exchanger.



SUMMER OPERATIONAL DIAGRAM WITH ACTIVE BY-PASS (FREE COOLING).

External air is filtered and pushed into a dedicated duct parallel to the exchanger before being channeled into the noble ambients.
Simultaneously, foul air from service rooms is pushed to the opposite side of the exchanger where it is then ejected outside. Only one of the two air flows crosses the exchanger with no heat transfer.



KHR-VE

WITH STANDARD EXCHANGER

PRODUCT CODE	SIZE		
KHRVY220	220 m ³ /h - Bare	1	-



KHRCY101
Wi-Fi



Dual flow duct-type ventilation unit with high-efficiency heat recovery for wall-mount vertical installation, specific for external installation in residential buildings.

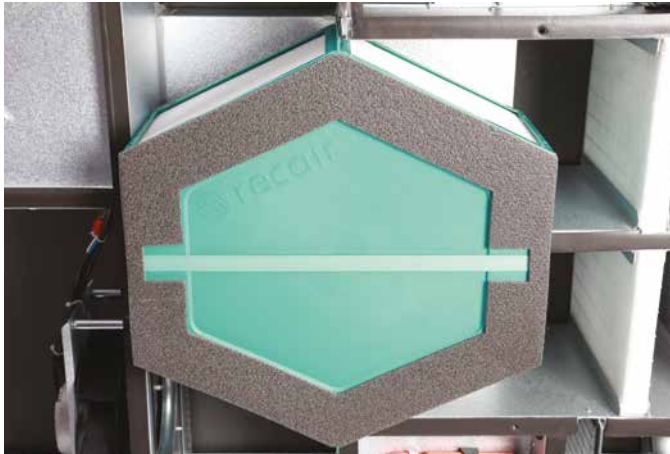
Available in two different versions: with insulated metal cover for an appealing surface mounting in niches; for flush mounting in special insulated compartment on external walls.

Available in two versions: with standard or enthalpy static heat exchanger.

Control panel with capacitive touch-screen for wall surface mounting sold separately.

	KHRVY220
Length "L" - mm	600
Depth "W" - mm	305
Height "H" - mm	1700
Weight - kg	54
Air connections - DN, mm	4x160
Condensation drain - mm	16

CROSS-FLOW COUNTERCURRENT STATIC HEAT EXCHANGER FOR SENSIBLE HEAT RECOVERY.



CROSS-FLOW COUNTERCURRENT ENTHALPY STATIC HEAT EXCHANGER.



EXAMPLE OF ENERGY CLASS LABEL.

ENERGIA - ENERGIJA - ENERĐIA - ENERĐIA - ENERĐIA - ENERĐIA - ENERĐIA
2016 1254/2014

CLASSE SEC	SEC IN kWh/(m ² a)
A+	EFFICIENZA MASSIMA SEC < - 42
A	- 42 ≤ SEC < - 34
B	- 34 ≤ SEC < - 26
C	- 26 ≤ SEC < - 23
D	- 23 ≤ SEC < - 20
E	- 20 ≤ SEC < - 10
F	- 10 ≤ SEC < 0
G	EFFICIENZA MINIMA SEC ≥ 0

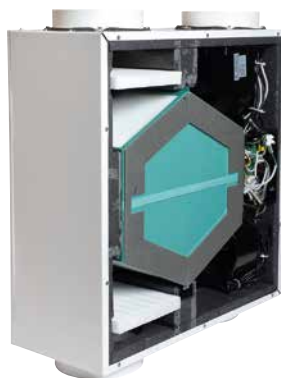
Specific energy consumption class (SEC) of residential ventilation units based on average climatic conditions [in force as of 1 January 2016; soon SEC should be equal to or lower than -20 kWh/(m² a)].

KHR-Z2

PRODUCT CODE	SIZE		
KHRZ2Y140	140 m ³ /h	1	-
KHRZ2Y200	200 m ³ /h	1	-



KHRCY101
Wi-Fi



Dual flow duct-type ventilation unit with high efficiency heat recovery for vertical or horizontal installation.

Compact and lightweight design extremely versatile. Horizontal surface mounting on boiler room ceiling or inside suspended ceilings. Vertical surface mounting (optional cover panel with anchoring brackets on unit) or flush mounting in special compartment (optional kit with grids for external air).

Available in two versions: with standard or enthalpy static heat exchanger.

Control panel with capacitive touch-screen for wall surface mounting sold separately.

	KHRZ2Y140	KHRZ2Y200
Length / Width "L" - mm	580	580
Depth "W" - mm	580	580
Height "H" - mm	255	255
Weight - kg	19	21
Air connections - DN, mm		
- Fresh air delivery	75	75
- Foul air extraction	75	75
- External air intake	160	160
- Foul air exhaust	160	160
Condensation drain - mm	16	16



metallic wall mounted cabinet



metallic cabinet cover

KHR-AQ

PRODUCT CODE	SIZE		
KAQY001	230 V - 0,50 VA	1	-



Indoor air quality sensor for KHR ventilation units KHR. For control of mixed gases (VOC, odorous substances and gases such as tobacco smoke, body odors, kitchen vapors, ethanol, acetone, methanol etc.) in indoor air.

The concentrations read by the sensor are compared to the internal set-point (factory setting) to activate or deactivate the HRV control. The behavior of the regulator outlet on/off insertion (control contacts for 230 V devices) features three different options that can be selected with a plug: good air quality/optimized energy consumption, excellent air quality/higher energy consumption, acceptable air quality/low energy consumption.

Wall surface mounting.

Protection class IP30.

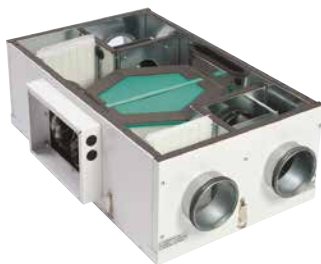
KHR-H

WITH STANDARD EXCHANGER

PRODUCT CODE	SIZE		
KRRHY200	200 m³/h	1	-
KRRHY300	300 m³/h	1	-
KRRHY400	400 m³/h	1	-
KRRHY500	500 m³/h	1	-

WITH ENTHALPY EXCHANGER

PRODUCT CODE	SIZE		
KRRHX200	200 m³/h	1	-



Dual-flow duct-type ventilation unit with high-efficiency heat recovery for suspended ceiling horizontal installation.

Compact design for simplified installation in lowered suspended ceilings.

Available in two versions: with standard or enthalpy static heat exchanger.

Control panel with capacitive touch-screen for wall surface mounting sold separately.



KHRCY101
Wi-Fi



	KRRHY200	KRRHY300	KRRHY400	KRRHY500	KRRHX200
Length / Width "L" - mm	800	940	1350	1350	800
Depth "W" - mm	480	620	650	650	480
Height "H" - mm	270	380	280	280	270
Weight - kg	33	50	56	56	33
Air connections - DN, mm					
- Fresh air delivery	DN125	DN160	DN160	DN160	DN125
- Foul air extraction	DN125	DN160	DN160	DN160	DN125
- External air intake	DN125	DN160	DN160	DN160	DN125
- Foul air exhaust	DN125	DN160	DN160	DN160	DN125
Condensation drain - mm	Ø16	Ø16	Ø16	Ø16	Ø16

KHR-C

PRODUCT CODE	SIZE		
KHRCY101	WiFi black - for KHR, KHRW, KMSW	1	-



Ventilation unit control panels.

① INFO

KHRCY101, KHRCY102, KHRCY111, KHRCY112: digital remote control for KHR, KHRW and KMSW recuperators.
KHRCY502: digital remote control for KHRD and KMSD recuperators.

KHRCY001, KHRCY002, KHRCY011, KHRCY012: digital remote control for CLEAN AIR recuperators.

➤ Heat recuperators with dehumidification/thermodynamic integration

1 - Ventilation units



p. 218

2 - Plenums for machines and manifolds



p. 230

3 - Grids and external terminals



p. 235

4 - Plenums for room openings and grids

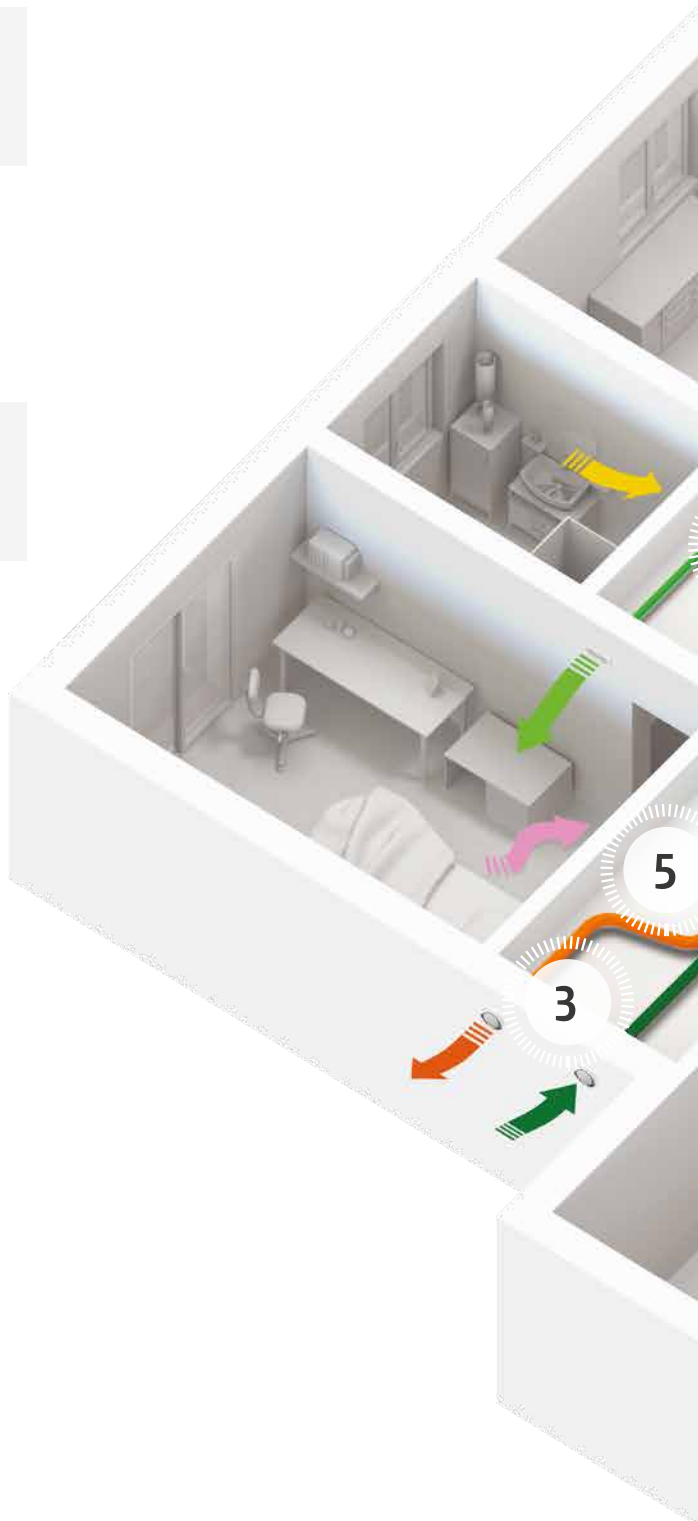


p. 231

5 - Ducts, fittings, accessories



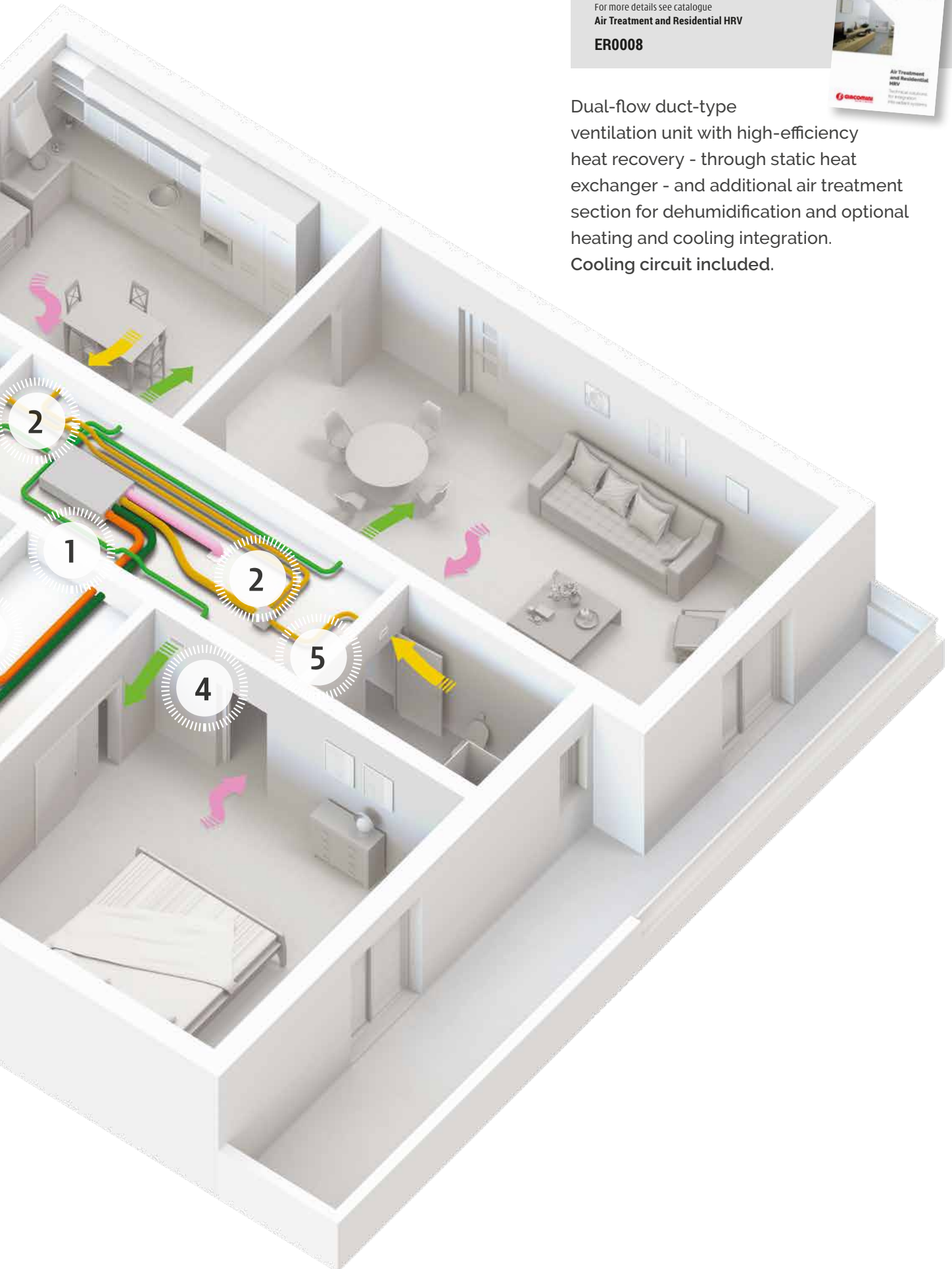
p. 233



For more details see catalogue
Air Treatment and Residential HRV
ER0008



Dual-flow duct-type ventilation unit with high-efficiency heat recovery - through static heat exchanger - and additional air treatment section for dehumidification and optional heating and cooling integration. Cooling circuit included.



KHRD-V

DEHUMIDIFICATION AND INTEGRATION

PRODUCT CODE	SIZE		
KHRDVRX300	Total 300 / Ext 150 m³/h	1	-
KHRDVRX500	Total 500 / Ext 250 m³/h	1	-



KHRCY502



Dual-flow duct-type ventilation unit with high-efficiency heat recovery and additional primary air treatment section for dehumidification and optional heating and cooling integration (based on version).

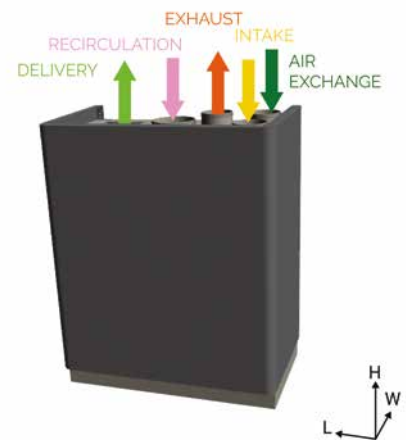
Dehumidification and summer cooling through partial recirculation of room air and activation of the unit cooling circuit.

Wall or floor vertical installation.

Compact design for convenient installation in technical compartments or attics.

With enthalpy static heat exchanger for high-efficiency recovery of sensible and latent energy. Control panel with capacitive touch-screen for wall surface mounting sold separately.

	KHRDVX300	KHRDVX500
Length / Width "L" - mm	870	970
Depth "W" - mm	470	700
Height "H" - mm	880 (+145 for base)	980 (+145 for base)
Weight - kg	85 (+1 for base)	100 (+1 for base)
Air connections - DN, mm		
- Room air delivery	340x170	510x245
- Foul air recovery	DN125	DN160
- Room air recirculation	DN160	DN200
- External air intake	DN125	DN160
- Foul air exhaust	DN125	DN160
Delivery-return water connections - inch.	1/2" - 1/2"	1/2" - 1/2"
Condensation drain - mm	Ø20	Ø20



FANS USED IN HEAT RECOVERY VENTILATION UNITS.



KHRD-H

DEHUMIDIFICATION ONLY

PRODUCT CODE	SIZE		
KHRDHX500	Total 500 / Ext 250 m³/h	1	-

DEHUMIDIFICATION AND INTEGRATION

PRODUCT CODE	SIZE		
KHRDHRX300	Total 300 / Ext 150 m³/h	1	-
KHRDHRX500	Total 500 / Ext 250 m³/h	1	-



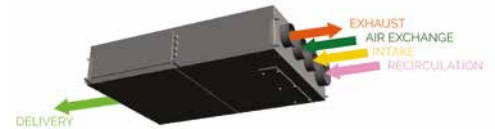
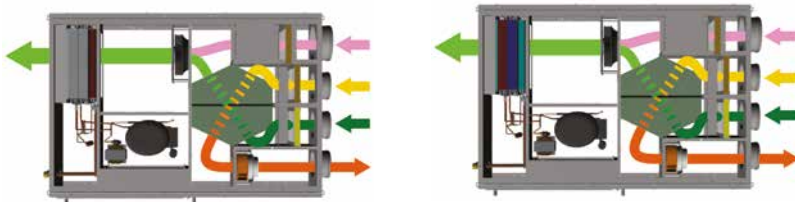
Dual-flow duct-type ventilation unit with high-efficiency heat recovery and additional primary air treatment section for dehumidification and optional heating and cooling integration (based on version). Dehumidification and summer cooling through partial recirculation of room air and activation of the cooling unit. Suspended ceiling horizontal installation. Reduced thickness for convenient installation in lower suspended ceilings. With enthalpy static heat exchanger for high-efficiency recovery of sensible and latent energy. Control panel with capacitive touch-screen for wall surface mounting sold separately.

WINTER OPERATIONAL DIAGRAM.

Winter heating can be integrated by supplying the post-treatment hydronic coil with the radiant system hot water. The cooling circuit compressor is OFF and the unit works as a thermo-ventilating device. The delivery air flow rate is the sum of the flow rate from the outside which passes through the exchanger and the one partially recirculated from the ambient obtained by opening the special automatic damper.

SUMMER OPERATIONAL DIAGRAM.

The cooling circuit - which includes a compressor, an air evaporation coil, an "air" condenser (version with dehumidification only) or a "radiant system air-water" (version with integration) - activates through humidity and temperature probes. The delivery air flow rate is the sum of the flow rate from the outside which passes through the exchanger and the one partially recirculated from the ambient obtained by opening the special automatic damper.



	KHRDHX500	KHRDHRX300	KHRDHRX500
Length / Width "L" - mm	1220	1220	1220
Depth "W" - mm	960	820	960
Height "H" - mm	330	255	330
Weight - kg	91	75	95
Air connections - DN, mm			
- Room air delivery	490x255	350x180	490x255
- Foul air recovery	DN160	DN125	DN160
- Room air recirculation	DN200	DN160	DN200
- External air intake	DN160	DN125	DN160
- Foul air exhaust	DN160	DN125	DN160
Delivery-return water connections - inch.	1/2" - 1/2"	1/2" - 1/2"	1/2" - 1/2"
Condensation drain - mm	Ø20	Ø20	Ø20



KHRCY502

HIGH-EFFICIENCY FILTERS TO GUARANTEE INDOOR AIR QUALITY AND PROTECT THE VENTILATION UNIT.



FILTERS EASY TO REMOVE FOR MAINTENANCE INCLUDED WITH ALL GIACOMINI VENTILATION UNITS.



KDV

PRODUCT CODE	SIZE		
KDVRWY300	Water condensation	1	-
KDVRAY360	Air condensation	1	-
KDVRAY500	Air condensation	1	-



Duct-type monoblock air treatment unit for ventilation, dehumidification and sensible power integration, suspended ceiling installation, for use with cooling radiant systems, equipped with high-efficiency air counter-current heat recuperator (efficiency > 86%).

Equipped with removable filtering section class G3 (EN779:2002), 2 "brushless" centrifugal fans with 3-speed direct-coupling motor, 5 motorized dampers, cooling circuit with R134A cooling gas, hydraulic circuit, treatment coils with copper pipe, aluminum fins and 5 outlets for delivery, recirculation, extraction, external intake, exhaust. Water or air condensation.

Nominal working temperature range 15÷30 °C. Power 230 V.

① INFO

KDVRWY300

Duct-type monoblock air treatment unit for ventilation, dehumidification and sensible power integration. Water condensation.

Total flow rate 260÷300 m³/h.

External air flow rate 80÷160 m³/h.

Dehumidification capacity 25,9 l/24h (indoor).

Water connections 4x1/2" F.

KDVRAY360

Duct-type monoblock air treatment unit for ventilation, dehumidification and sensible power integration. Air condensation.

Total flow rate 220÷360 m³/h.

External air flow rate 90÷220 m³/h.

Dehumidification capacity 25 l/24h (indoor).

Water connections 2x1/2" F.

KDVRAY500

Duct-type monoblock air treatment unit for ventilation, dehumidification and sensible power integration. Air condensation.

Total flow rate 160÷500 m³/h.

External air flow rate 160÷300 m³/h.

Dehumidification capacity 31,2 l/24h (indoor).

Water connections 2x1/2" F.

	KDVRWY300	KDVRAY360	KDVRAY500
Total latent power [w] - external air at 35 °C -50 %	1.083	1.620	2.090
Useful latent power [w] - referred to recirculation, air at 26 °C -55 %	625	723	880
Useful sensible cooling power [w] - referred to recirculation, air at 26 °C -55 %	1.050	1.468	2.580
Total water flow rate [l/h]	400	360	500
Water circuit loss of pressure [mm.c.a.]	800	1.200	1.100
Nominal air flow rate [m³/h]	80-300	90-360	160-500
Delivery fan useful hydraulic head [Pa]	120	200	260
Exhaust fan flow rate [m³/h]	80-160	90-360	160-500
EXhaust fan useful hydraulic head [Pa]	100	200	260
Heat recuperator efficiency - winter: external -5 °C, indoor 20 °C	95%	91%	92%
Heat recuperator efficiency - summer: external 35 °C, indoor 26 °C	93%	89%	87%
Acoustic pressure level in free field - distance 1 m [db(A)]	39	42	48
Absorbed electric power [w] - single-phase supply 230 v - 50 hz	560	820	1.100
Max dimensions LxWxH [mm]	1.178x773x276	1.290x882x276	1.286x962x442
Weight [kg]	71	85	105

KHR-C

DIGITAL REMOTE CONTROL FOR KHRD AND KMSD RECUPERATORS

PRODUCT CODE	SIZE		
KHRCY502	T/H Bianco	1	-



Control panel for ventilation unit.

KMSD

DEHUMIDIFICATION ONLY

PRODUCT CODE	SIZE		
KMSDY300	Total 300 / Ext 150 m3/h	1	-



KHRCY502



Duct-type thermodynamic module for primary air treatment and use with KHR heat recuperators (split installation).

Equipped with room air recirculation section for dehumidification and optional heating or cooling integration (based on version).

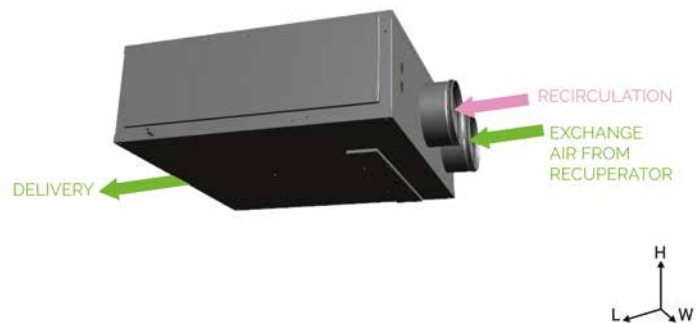
Dehumidification and summer cooling through partial recirculation of room air and activation of the module cooling circuit.

Ceiling horizontal installation.

Reduced thickness for convenient installation in lowered suspended ceilings.

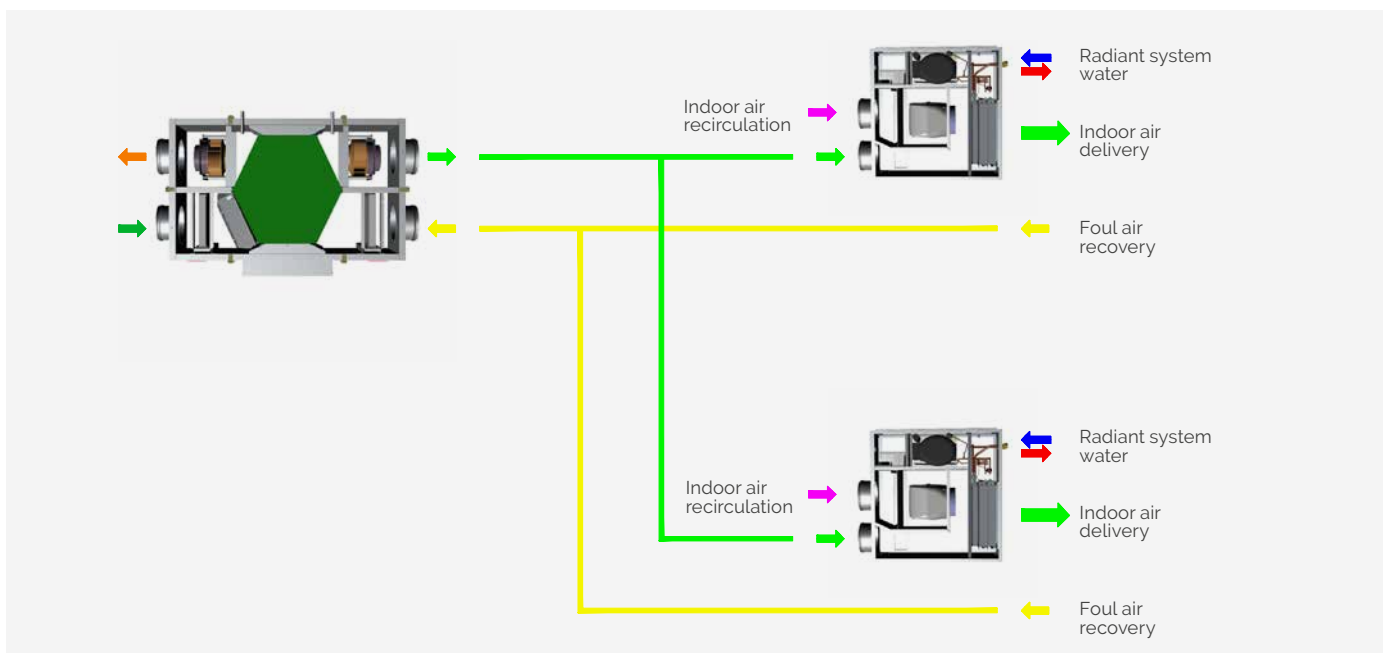
Control through chronothermohumidistat or domotic systems.

	KMSDY300
Length / Width "L" - mm	680
Depth "W" - mm	680
Height "H" - mm	255
Weight - kg	41
Air connections - DN, mm	
- Indoor air delivery	310x178
- Indoor air recirculation	DN160
- External air intake	DN160
Delivery-return water connections - inch.	1/2" - 1/2"
Condensation drain - mm	Ø16



SPLIT MODULE (COMBINED TO KHR RECUPERATORS)

"split systems" functional diagram with khr central recuperator and thermodynamic modules kmsd for air conditioning of single zones (single-zone or multi-zone application).



➤ Heat recuperators with dehumidification/hydronic integration

1 - Ventilation units



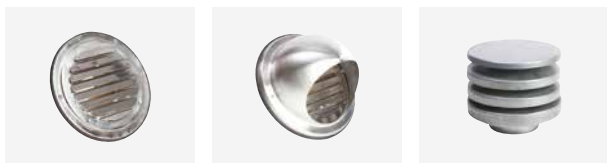
p. **224**

2 - Plenums for machines and manifolds



p. **230**

3 - Grids and external terminals



p. **235**

4 - Plenums for room openings and grids

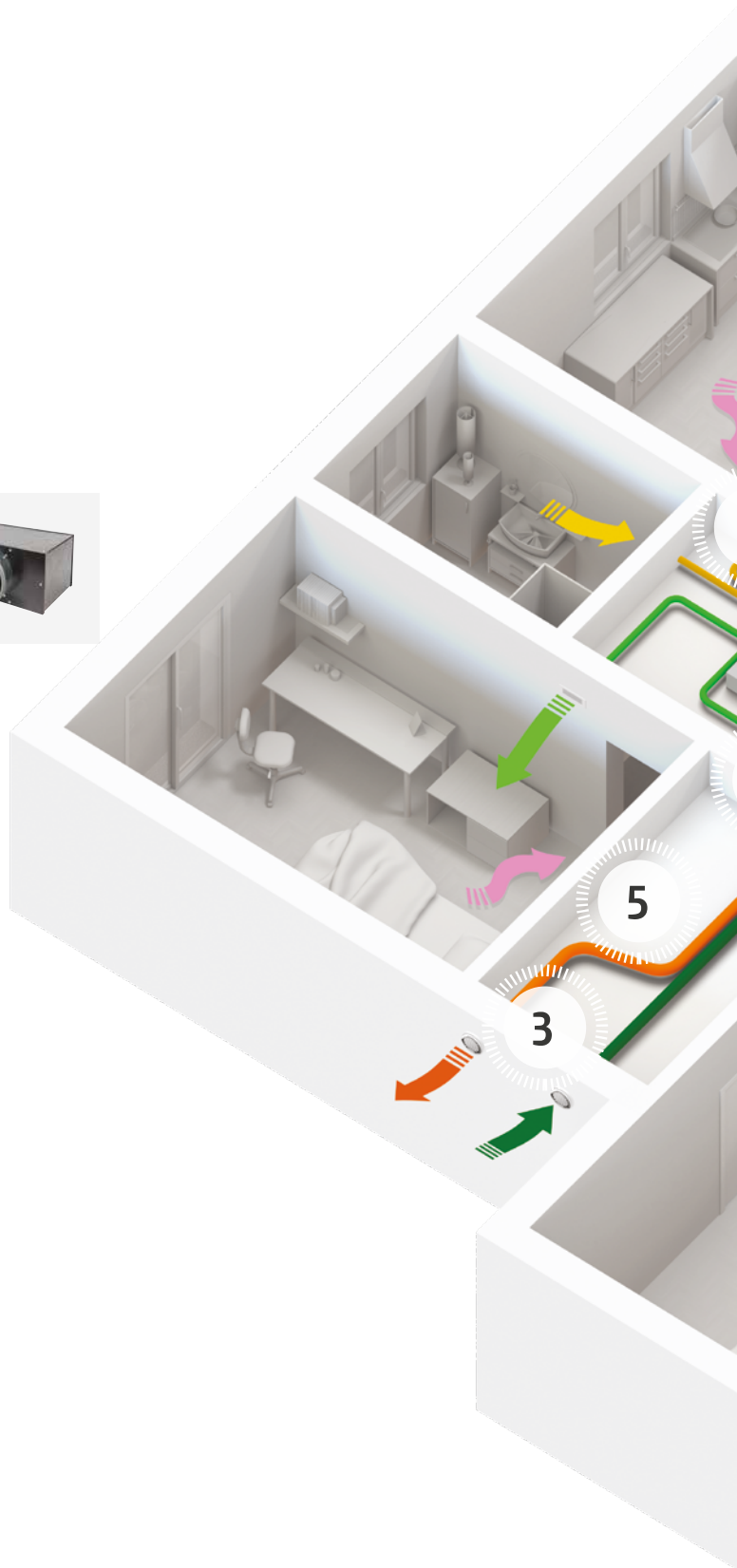


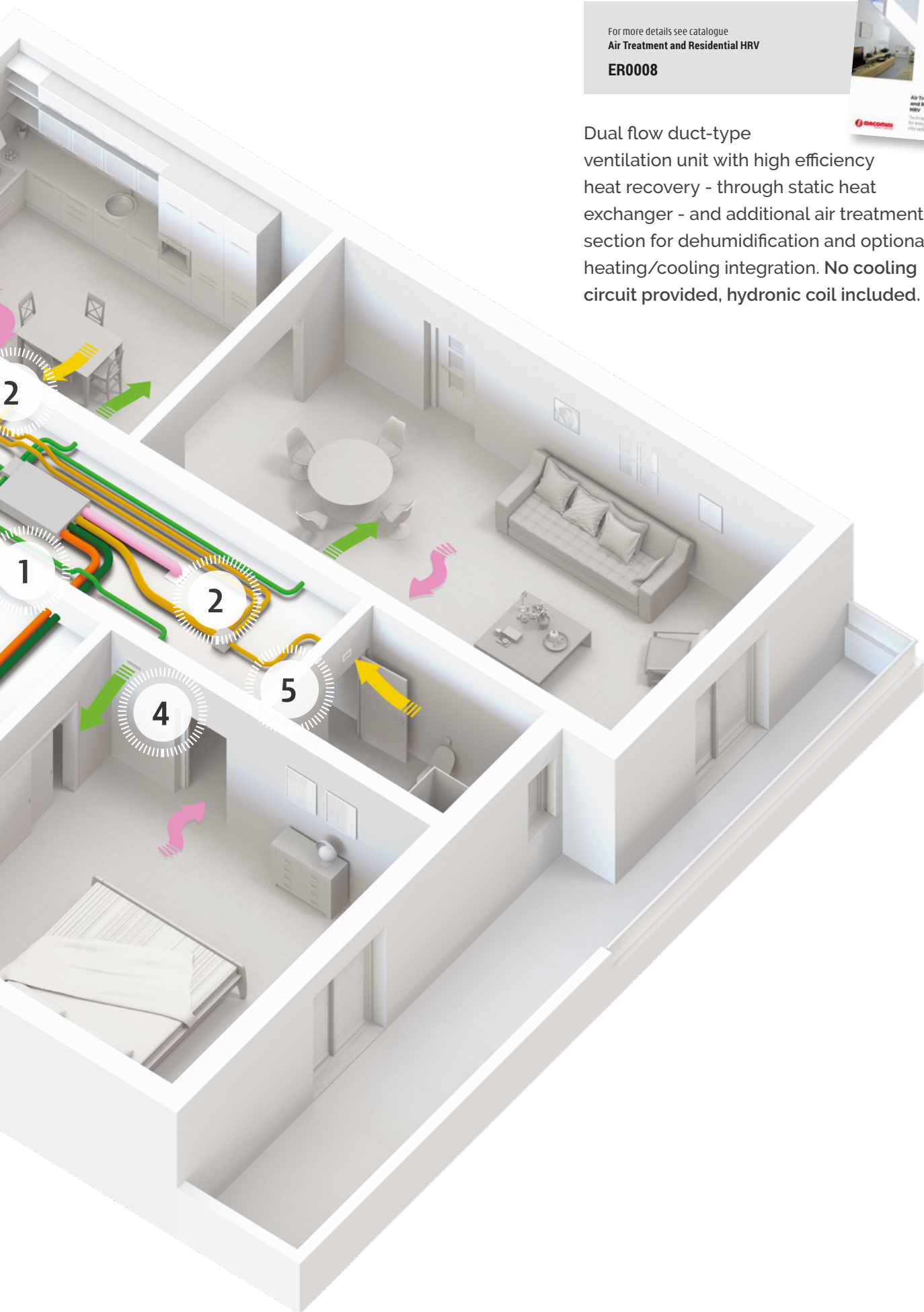
p. **231**

5 - Ducts, fittings, accessories



p. **233**





For more details see catalogue
Air Treatment and Residential HRV
ER0008



Dual flow duct-type ventilation unit with high efficiency heat recovery - through static heat exchanger - and additional air treatment section for dehumidification and optional heating/cooling integration. No cooling circuit provided, hydronic coil included.

KHRW-V

PRODUCT CODE	SIZE		
KHRWVRX500	Total 500 / Ext 250 m3/h	1	-



KHRCY101
Wi-Fi



Dual flow duct-type ventilation unit with high efficiency heat recovery and additional primary-air treatment section for dehumidification and optional heating/cooling integration. The unit has no cooling circuit, but it is equipped with a hydronic coil connected to the heating/cooling system. Wall or floor vertical installation. Compact design for convenient installation in technical compartments and attics. With enthalpy static heat exchanger for efficient recovery of sensible and latent energy. Control panel with capacitive touch-screen for wall surface mounting sold separately.



	KHRWVRX500
Length / Width "L" - mm	970
Depth "W" - mm	700
Height "H" - mm	980 (+145 for base)
Weight - kg	100 (+1 for base)
Air connections - DN. mm	510x245
- Indoor air delivery	DN160
- Foul air recovery	DN200
- Indoor air recirculation	DN160
- External air intake	DN160
- Foul air exhaust	DN160
Delivery-return water connections - inch.	3/4" - 3/4"
Condensation drain - mm	Ø20

KHRW-H

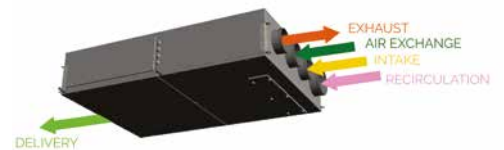
PRODUCT CODE	SIZE		
KHRWHRX300	Total 300 / Ext 150 m3/h	1	-
KHRWHRX500	Total 500 / Ext 250 m3/h	1	-
KHRWHRX600	Total 600 / Ext 150 m3/h	1	-



KHRCY101
Wi-Fi



Dual flow duct-type ventilation unit with high efficiency heat recovery and additional primary-air treatment section for dehumidification and optional heating/cooling integration. The unit has no cooling circuit, but it is equipped with a hydronic coil connected to the heating/cooling system. Ceiling horizontal installation. For convenient installation in lowered suspended ceilings. With enthalpy static heat exchanger for efficient recovery of sensible and latent energy. Control panel with capacitive touch-screen for wall surface mounting sold separately.



DIMENSIONI, PESO E ATTACCHI	KHRWHRX300	KHRWHRX500	KHRWHRX600
Length / Width "L" - mm	1220	1220	1220
Depth "W" - mm	820	960	820
Height "H" - mm	255	330	255
Weight - kg	68	83	74
Air connections - DN. mm	350x180	490x255	550x180
- Indoor air delivery	DN125	DN160	DN125
- Foul air recovery	DN160	DN200	DN200
- Indoor air recirculation	DN125	DN160	DN125
- External air intake	DN125	DN160	DN125
- Foul air exhaust	DN125	DN160	DN125
Delivery-return water connections - inch.	1/2" - 1/2"	3/4" - 3/4"	3/4" - 3/4"
Condensation drain - mm	Ø20	Ø20	Ø20

KMSW

PRODUCT CODE	SIZE		
KMSWRY300	Total 300 / Ext 150 m3/h	1	-



KHRCY101
Wi-Fi

DIMENSIONI, PESO E ATTACCHI	KMSWRY300
Length / Width "L" - mm	675
Depth "W" - mm	730
Height "H" - mm	250
Weight - kg	38
Air connections - DN. mm	
- Indoor air delivery	500x200
- Indoor air recirculation	DN160
- External air intake	DN160
Delivery-return water connections - inch.	3/4" - 3/4"
Condensation drain - mm	Ø12



Duct-type hydronic module for primary air treatment and use with KHR heat recuperators (split installation).

Equipped with air room recirculation section, it provides dehumidification and heating/cooling integration.

The unit has no cooling circuit, but it is equipped with a hydronic coil connected to the heating/cooling system. Ceiling horizontal installation.

Reduced thickness for convenient installation in lowered suspended ceilings. Control panel with capacitive touch-screen for wall surface mounting sold separately.



KHR-C

PRODUCT CODE	SIZE		
KHRCY101	WiFi black - for KHR, KHRW, KMSW	1	-



Ventilation unit control panels.

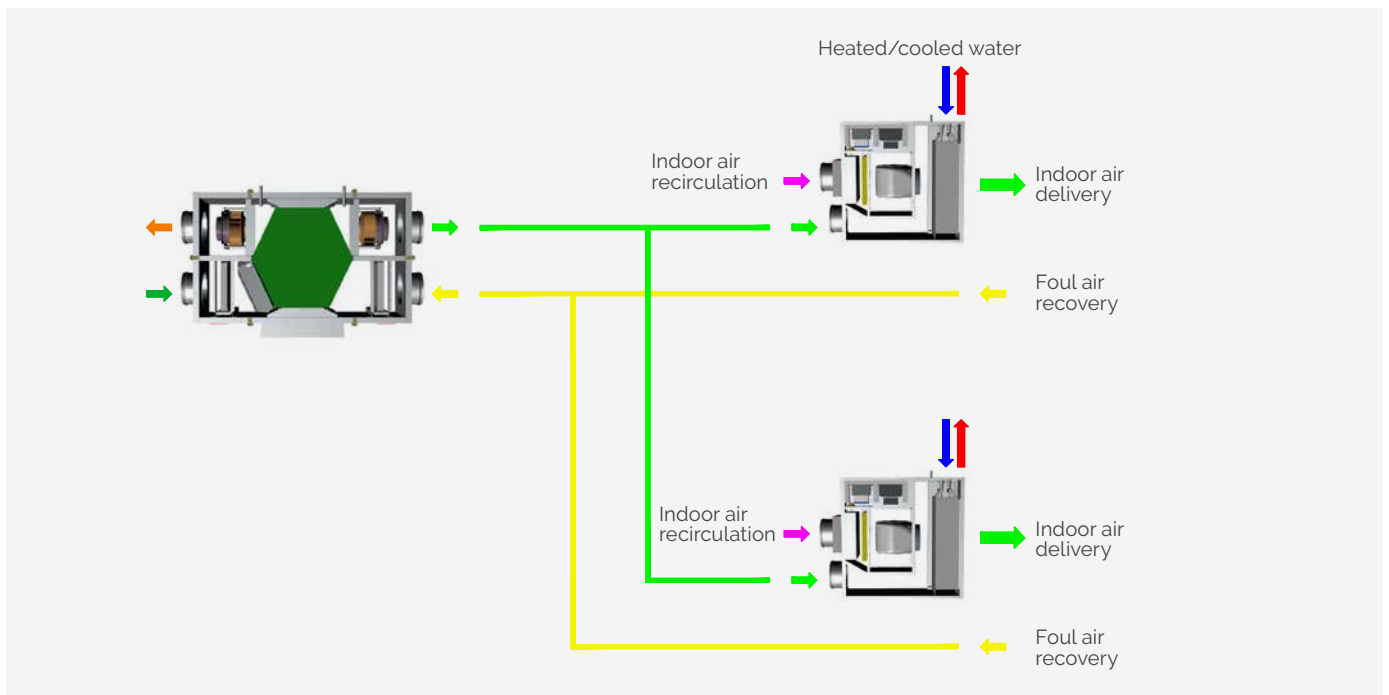
① **INFO**

KHRCY101, KHRCY102, KHRCY111, KHRCY112: digital remote control for KHR, KHRW and KMSW recuperators. KHRCY502: digital remote control for KHRD and KMSD recuperators.

KHRCY001, KHRCY002, KHRCY011, KHRCY012: digital remote control for CLEAN AIR recuperators.

SPLIT MODULE (COMBINED TO KHR RECUPERATORS)

"Split systems" functional diagram with central recuperator KHR and hydronic modules KMSW for air conditioning of single zones (single-zone or multi-zone application).



➤ Heat pump active recuperators (Clean-Air)

1 - Ventilation units



p. **228**



2 - Plenums for room openings and grids

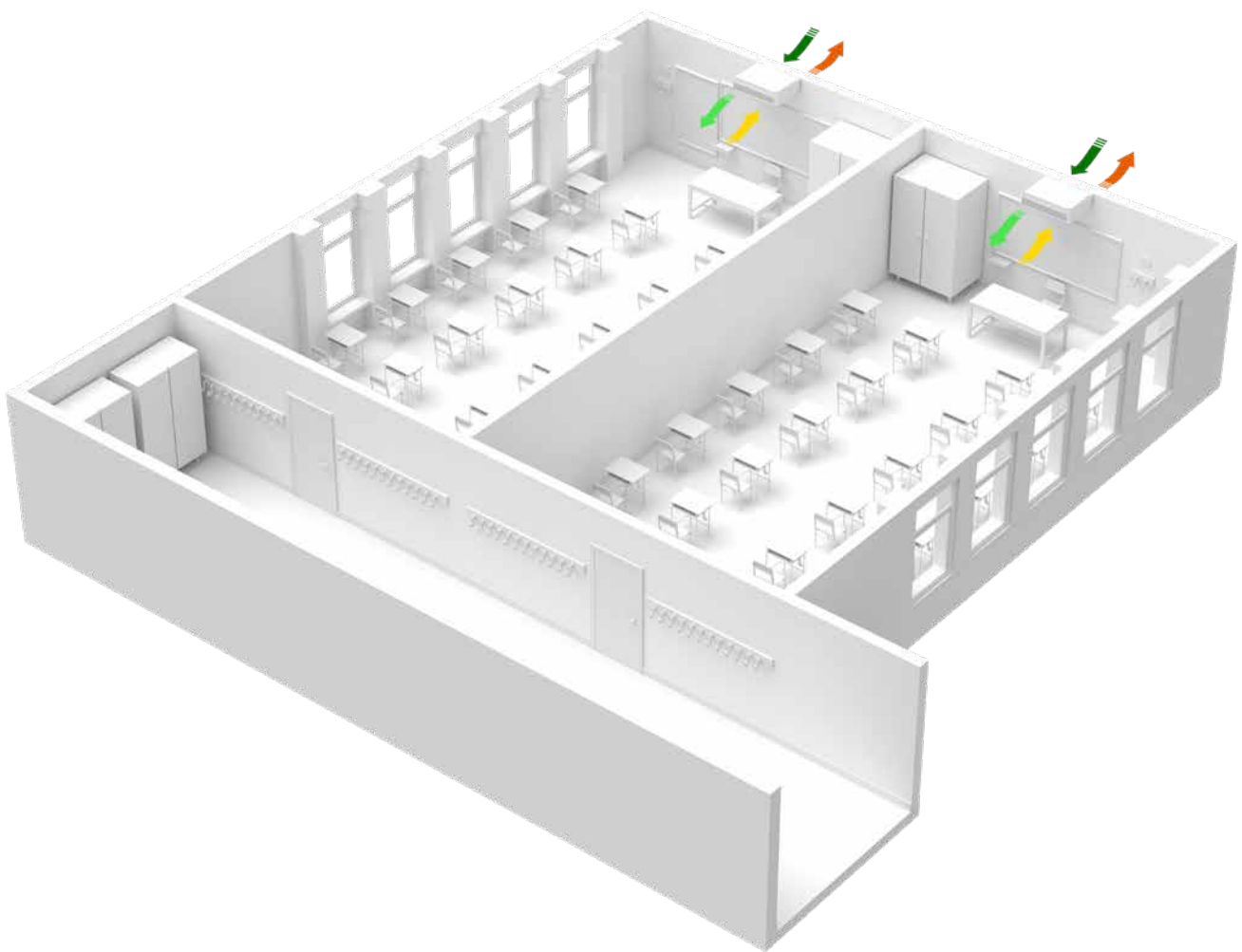


p. **230**

For more details see catalogue
KHRA2 "Clean-Air" heat pump recuperators
ER0009



Dual-flow ventilation unit with summer/winter high-efficiency active thermodynamic heat recovery. With no static heat exchanger, they are provided with a reversible heat pump circuit to recover energy from the extracted air and reintroduce it into the room.



3 - Ducts, fittings, accessories



p. **233**

KHRA2-V

SURFACE MOUNT

PRODUCT CODE	SIZE		
KHRA2VV380	380 m³/h	1	-
KHRA2VV380U	380 m³/h - UV lamp	1	-

FLUSH MOUNT

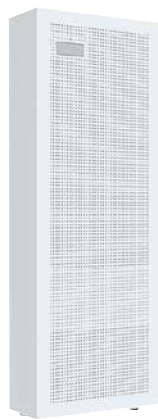
PRODUCT CODE	SIZE		
KHRA2VS380	380 m³/h	1	-
KHRA2VS380U	380 m³/h - UV lamp	1	-



KHRCY001 - KHRCY011
Wi-Fi Modbus



KHRCY002 - KHRCY012
Wi-Fi Modbus



vertical surface mounting



vertical flush mounting

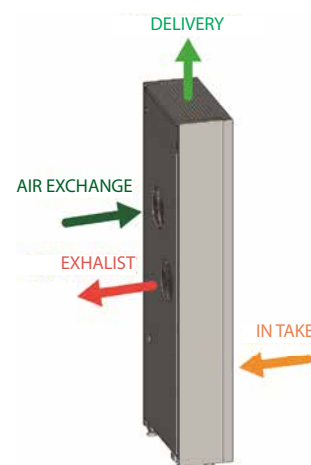
CLEAN-AIR ventilation unit with thermodynamic heat recovery in heat pump, vertical configuration.

Available for surface-mount or flush-mount installation.

Optional built-in germicide UV lamp.

WINTER OPERATIONAL DIAGRAM.

Indoor foul air (grey arrow) releases heat to the heat pump when flowing through the evaporation coil and is ejected only at a later time. After taking energy from the ejected air, the cooling fluid inside the heat pump transfers it to the exchange fresh air through the condensation coil (blue arrow) before channeling it into the room.



	VV	VS
Length / Width "L" - mm	500	490
Depth "W" - mm	185	175
Height "H" - mm	1398	1430
Weight - kg	53	51
Air connections - DN. mm		
- Indoor air delivery	-	160
- Foul air recovery	-	160
- External air intake	162	162
- Foul air exhaust	162	162
Condensation drain - mm	20	20

KHR-C

PRODUCT CODE	SIZE		
KHRCY001	WiFi black - for CLEAN AIR	1	-
KHRCY002	WiFi white - for CLEAN AIR	1	-
KHRCY011	ModBus black - for CLEAN AIR	1	-
KHRCY012	ModBus white - for CLEAN AIR	1	-



Ventilation unit control panels.

INFO

KHRCY101, KHRCY102, KHRCY111, KHRCY112: digital remote control for KHR, KHRW and KMSW recuperators. KHRCY502: digital remote control for KHRD and KMSD recuperators.

KHRCY001, KHRCY002, KHRCY011, KHRCY012: digital remote control for CLEAN AIR recuperators.

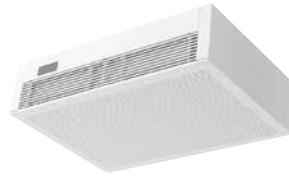
KHRA2-H

SURFACE MOUNT

PRODUCT CODE	SIZE		
KHRA2HV460	460 m³/h	1	-
KHRA2HV460U	460 m³/h - UV lamp	1	-

FLUSH MOUNT

PRODUCT CODE	SIZE		
KHRA2HS460	460 m³/h	1	-
KHRA2HS460U	460 m³/h - UV lamp	1	-



horizontal surface mounting



horizontal flush mounting

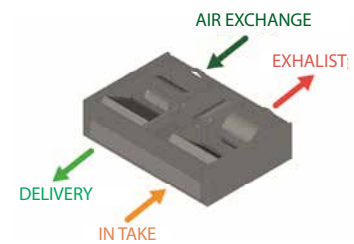
CLEAN-AIR ventilation unit with thermodynamic heat recovery in heat pump, horizontal configuration.

Available for surface-mount or flush-mount installation.

Optional built-in germicide UV lamp.

SUMMER OPERATIONAL DIAGRAM

A 4-way valve reverses the cooling cycle to recover, through the condensing coil, the "cold" contained in the recovery air (grey arrow) before ejecting it. External air (blue arrow) is filtered, cooled and dehumidified through the evaporator before it is distributed into the room.



	HV	HS
Length / Width "L" - mm	1010	950
Depth "W" - mm	690	710
Height "H" - mm	255	245
Weight - kg	74	72
Air connections - DN. mm		
- Indoor air delivery	-	160
- Foul air recovery	-	160
- External air intake	162	162
- Foul air exhaust	162	162
Condensation drain - mm	Ø 20	Ø 20



© VIDEO

Scan the QR-Code with a smartphone or tablet to view the video-tutorial for CLEAN AIR compact ventilation units with heat recovery



➤ Air distribution components (plenum and manifolds, air diffusers and grids, ducts and fittings..)

KPL-F

PRODUCT CODE	SIZE		
KPLFY001	345 x 175 mm - 1 x DN200	1	-
KPLFY011	500 x 230 mm - 1 x DN200	1	-
KPLFY031	500 x 180 mm - 5 x DN200	1	-
KPLFY003	345 x 175 mm - 3 x DN125	1	-
KPLFY015	500 x 230 mm - 5 x DN125	1	-
KPLFY025	547 x 177 mm - 5 x DN125	1	-



Delivery plenum for connection to air intake opening of monoblock ventilation units for heat recovery/air treatment and split modules. With connections for KFLEX flexible ducts. Made with varnished galvanized metal sheet, inner lining on all sides with insulation material of adequate thickness.

KPL-F2

PRODUCT CODE	SIZE		
KPLFY002	810 x 175 x 175 mm - 2 x DN160	1	-



Plenum for CLEAN-AIR flush-mount duct-type units made with galvanized metal sheet with inner insulation. Two methods of use: as single delivery or recovery diffuser, connecting two pipes to one room unit; as dual diffuser, connecting one pipe only to the distribution units of two separate rooms. 2 DN160mm connections and 1 cap included.

KPL-C

PRODUCT CODE	SIZE		
KPLCY008	345 x 175 mm - 8 x DN75/90	1	-
KPLCY012	515 x 249 mm - 12 x DN75/90	1	-
KPLCY112	547 x 177mm - 12 x DN75/90	1	-
KPLCY212	500 x 180mm - 12 x DN75/90	1	-



Delivery plenum for connection to air intake opening of heat recovery/air treatment monoblock ventilation units and split modules. Preset for initial adapter connection of KCORR corrugated ducts. Made with varnished galvanized metal sheet, lined internally on all sides with insulation material of adequate thickness. Closed pre-punched outlets to open on site based on the number of connections needed.

KCI

ROOM DISTRIBUTION WITH FLEXIBLE DUCT

PRODUCT CODE	SIZE		
KCIY203	1 x DN200 - 3 x DN125	1	-
KCIY205	1 x DN200 - 5 x DN125	1	-

ROOM DISTRIBUTION WITH CORRUGATED DUCT

PRODUCT CODE	SIZE		
KCIY004	1 x DN125 - 4/4/4 DN75/90	1	-
KCIY104	1 x DN160 - 4/4/4 DN75/90	1	-
KCIY108	1 x DN160 - 8/8/4/4 DN75/90	1	-
KCIY112	1 x DN160 -12/12/4/4 DN75/90	1	-
KCIY208	1 x DN200 - 8/8/4/4 DN75/90	1	-
KCIY212	1 x DN200 -12/12/4/4 DN75/90	1	-
KCIY215	1 x DN200 -15/15/4/4 DN75/90	1	-



Universal manifold made with varnished galvanized metal sheet, lined internally on all sides with insulation material of adequate thickness.

Connection to ventilation units with connections for KFLEX flexible duct or KEPP rigid pipes. Two manifold versions available based on distribution system: with connections for KFLEX flexible duct or with pre-punched closed outlets for connection to initial adapters of KCORR corrugated ducts.

Available for the version with pre-punched closed connections (to be opened on site based on the number needed): straight or front connections, angle connections (perpendicular to the long-side inlet), right-side connection, left-side connection. Removable inspection cover on remaining free side. Supplied with 4 wall-anchoring brackets sliding on the external rails of the manifold body for installation at proper height.

KSIL

PRODUCT CODE	SIZE		
KSILY001	Width 219 mm	1	-
KSILY002	Width 442 mm	1	-
KSILY003	Width 672 mm	1	-
KSILY004	Width 796 mm	1	-



Muffler module for KPL-F or KPL-C plenums and KCI manifolds.

Black-varnished metal sheet outer case. Installation between air intake opening and plenum or manifold body for sensible reduction of the dimensions required for a state-of-the-art installation.

Inner structure made with galvanized steel sheet, lined internally with mineral wool soundproofing panels (20 mm thickness) and including an additional inner separator placed centrally to increase the exchange surface and therefore soundproofing.

MATCHING OF PLENUM/MANIFOLD TO MUFFLER MODULE

PLENUM	MUFFLER MODULE	MANIFOLD	MUFFLER MODULE
KPLFY001	KSILY002	KCIY203	KSILY002
KPLFY011	KSILY003	KCIY205	KSILY003
KPLFY021	KSILY003	KCIY004	KSILY001
KPLFY031	KSILY003	KCIY104	KSILY001
KPLFY003	KSILY002	KCIY108	KSILY002
KPLFY015	KSILY003	KCIY208	KSILY002
KPLFY025	KSILY003	KCIY112	KSILY003
KPLFY035	KSILY003	KCIY212	KSILY003
KPLCY008	KSILY002	KCIY215	KSILY004
KPLCY012	KSILY003		
KPLCY112	KSILY003		
KPLCY212	KSILY003		

KPB-F

PRODUCT CODE	SIZE		
KPBFY001	345 x 248 mm - DN125	1	-
KPBFY002	445 x 198 mm - DN125	1	-



Galvanized metal sheet plenum for room opening and connection to KFLEX ducts. Inner insulation made with a 6mm-thick adhesive polyethylene layer. Fit for a variety of connections to the flexible duct by inserting it into the holes of the round sleeve metal sheet included: right and left side, top, bottom, back.

Optional anchoring on brick walls (on bottom) or plasterboard walls (front) with special fitting eyelets. Clip connections included for coupling with KGR grid pins.

KPB-C

PRODUCT CODE	SIZE		
KPBCY001	101 x 75 mm - DN75/90	1	-



EPP polypropylene modular plenum for room opening and connection to KCORR corrugated ducts. Fit for a variety of connections: side, top/bottom, back. Optional connection to other modules for use with intake/extraction grids of various frontal dimensions.

Exclusive fitting design with impeccable seal. Reduced width for installation on internal walls. It can be anchored to brick walls (on bottom) or plasterboard walls (front) through special metal brackets sliding inside proper housings. Clip connections included for coupling with KGR grids.

Included: adapters and seal rings for connection to DN75/DN90 corrugated ducts, caps for unused connections, joint for connection to additional module, ISO Coarse filter for positioning on special angular bases.

Working temperature: -25÷80 °C.

Insulation grade: 0,042 W/(mK).

KGR

ROUND HOLES

PRODUCT CODE	SIZE		
KGRY001	193 x 140 mm - white	1	-
KGRY002	366 x 140 mm - white	1	-
KGRY003	540 x 140 mm - white	1	-
KGRY004	366 x 260 mm - white	1	-
KGRY005	466 x 210 mm - white	1	-
KGRY011	193 x 140 mm - white	1	-
KGRY012	366 x 140 mm - white	1	-
KGRY013	540 x 140 mm - white	1	-
KGRY014	366 x 260 mm - white	1	-
KGRY015	466 x 210 mm - white	1	-



Air intake/extraction rectangular grid with flat front surface.

Two models available: with round or square holes.

Single-body molded steel, RAL9003 white varnish with surface treatment for enhanced resistance to corrosion.

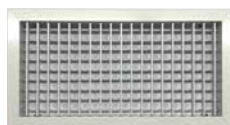
Rapid connection to opening plenum by fitting the rear pins in the matching clip housings.

The steel pins provide for variable extension of the grid (0-30 mm) to correct possible plenum-wall misalignments.

In addition, their special profile prevents accidental uncoupling of housings and clips in case of ceiling mounting.

KGR-A

PRODUCT CODE	SIZE		
KGRAY001	450 x 225 mm - white	1	-



Delivery aluminum grid with two rows of adjustable fins. For KPLF-2. White.

KGR-F

PRODUCT CODE	SIZE		
KGRFY001	450 x 225 mm - white	1	-



Intake grid with fixed-fin filter. For KPLF-2. White.

KEPP

PRODUCT CODE	SIZE		
KEPPY125	DN125 - L. 1 m	1	-
KEPPY160	DN160 - L. 1 m	1	-



Rigid EPP vapor-tight insulation pipe. Fit for installation of HRV systems for external air intake, foul air exhaust, transfer to delivery manifold, return from intake manifold and recommended for surface-mount installations. It cuts down condensation and heat dispersions. Bar pipes including F-F sleeve for quick and easy connection to the other distribution components. Extremely light, push-fitting connection, easy to cut on site. Working temperature: -25÷80 °C. Insulation grade: 0,042 W/(m K).

KEPP-A

PRODUCT CODE	SIZE		
KEPPAY125	DN125	1	-
KEPPAY160	DN160	1	-



Rigid EPP 90°-curve vapor-tight insulation fitting. Provided with a F-F sleeve for quick and easy connection to the other distribution components. Extremely light, push-fitting connection, easy to cut on site. It can be split into two 45° angles thanks to the central insertion groove. Working temperature: -25÷80 °C. Insulation grade: 0,042 W/(m K).

KEPP-F

PRODUCT CODE	SIZE		
KEPPFY125	DN125	1	-
KEPPFY160	DN160	1	-



Rigid EPP female-female vapor-tight insulation sleeve. Quick and easy connection to the other distribution components. Extremely light, push-fitting connection. Working temperature: -25÷80 °C. Insulation grade: 0,042 W/(m K).

KFLEX

PRODUCT CODE	SIZE		
KFLEXY100	DN100	10	-
KFLEXY125	DN125	10	-
KFLEXY160	DN160	10	-
KFLEXY200	DN200	10	-



Flexible non-insulated duct made with polyester textile coated with polyolefin resins mixed with antibacterial and anti-mold agents, harmonic steel-wire coil included. The sturdiness of thermo-bonded polyester fiber prevents microfiber dispersion as air flows through, guaranteeing its duration in time. Suitable for heat recovery ventilation and air conditioning in flush-mount installations. Supplied in spools. Working temperature: 20÷90 °C. Min radius bending: 800 mm.

KFLEX-I

PRODUCT CODE	SIZE		
KFLEXIY100	DN100	10	-
KFLEXIY125	DN125	10	-
KFLEXIY160	DN160	10	-
KFLEXIY200	DN200	10	-



Insulated flexible duct made with polyester textile coated with polyolefin resins mixed with antibacterial and anti-mold agents, including harmonic steel-wire coil. Polyester fiber thermo-insulation (thickness 25 mm, density 16 kg/m³). Outer protection made with aluminum-metalized film (flame retardant). It cuts down condensation and heat dispersions. The sturdiness of thermo-bonded polyester fiber prevents microfiber dispersion as air flows through, guaranteeing its duration in time. Suitable for heat recovery ventilation and air conditioning in flush-mount installations. Supplied in spools. Working temperature: -20÷110 °C. Min radius bending: 800 mm.

KFLEX-C

PRODUCT CODE	SIZE		
KFLEXCY001	DN60-DN200	1	-



AISI 304 stainless-steel pipe fastener for connection of flexible ducts. With galvanized hardened steel traction device. Extremely versatile during start up, fit for every diameter of the product range.

KFLEX-K

PRODUCT CODE	SIZE		
KFLEXKY001	10 m x 50 mm - thickness 6 mm	1	-

The price refers to the entire spool.

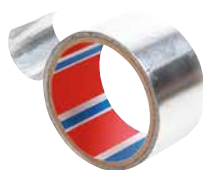


Black anti-condensation adhesive tape for aeraulic sealing of pipe joints. Closed-cell flexible elastomeric foam (FEF), fit for indoor and outdoor installations, combining low thermal conductivity and high resistance to water vapor diffusion to reduced flame propagation.

KFLEX-A

PRODUCT CODE	SIZE		
KFLEXAY001	10 m x 50 mm - thickness 0,03 mm	1	-

The price refers to the entire spool.



Aluminum adhesive tape for aeraulic sealing of pipe joints. Fit for indoor and outdoor installations, it provides great malleability combined to enhanced mechanical resistance. Working temperature: -20÷120 °C, self-extinguishing Class 1.

KRI-M

PRODUCT CODE	SIZE		
KRIMY125	DN125	1	-
KRIMY160	DN160	1	-
KRIMY200	DN200	1	-



Male-male airtight sleeve, with insulation. Made with galvanized steel sheet and provided with anti-aging EPDM synthetic rubber double-lip gaskets of homogeneous profile.

KRI-F

PRODUCT CODE	SIZE		
KRIFY125	DN125	1	-
KRIFY160	DN160	1	-
KRIFY200	DN200	1	-



Female-female sleeve, with insulation. Made with galvanized steel sheet.

KRI-R

PRODUCT CODE	SIZE		
KRIRY125	DN125 F - DN100 M	1	-
KRIRY160	DN160 F - DN125 M	1	-
KRIRY200	DN200 F - DN160 M	1	-



Concentric female-male airtight adapter, with insulation.
Made with galvanized steel sheet and including anti-aging EPDM synthetic rubber double-lip gaskets of homogeneous profile.

KRI-T

PRODUCT CODE	SIZE		
KRITY125	DN125	1	-
KRITY160	DN160	1	-
KRITY200	DN200	1	-



Airtight Tee fitting with insulation.
Made with galvanized steel sheet and including anti-aging EPDM synthetic rubber double-lip gaskets of homogeneous profile.
For sealed derivations and reduced losses of pressure.

KEXT-G

STANDARD

PRODUCT CODE	SIZE		
KEXTGY125	DN125	1	-
KEXTGY160	DN160	1	-

WITH DEFLECTOR SHELL

PRODUCT CODE	SIZE		
KEXTGDY125	DN125	1	-
KEXTGDY160	DN160	1	-



External wall grid for fresh air intake and foul air exhaust.
Made with stainless steel to guarantee solidity and resistance to corrosion.
Provided with anti-insect mesh and flow-deflecting blades.
Enhanced seal with fitting clips on insertion neck.
Also available with deflector shell.

KCORR

ROUND SECTION

PRODUCT CODE	SIZE		
KCORRY075	DN75 (Øext.75 mm/ int.63 mm)	50	-
KCORRY090	DN90 (Øext.90 mm/ int.75 mm)	50	-

LOWERED OVAL SECTION

PRODUCT CODE	SIZE		
KCORRY001	ext.51x138 mm / int.38x120 mm	20	-



Round section



Lowered oval section



Corrugated flexible pipe specific for suspended ceiling, under floor and wall installation of HRV systems. Two models available: with round section or lowered oval section.
Made with high-density anti-static and anti-bacterial polyethylene (HDPE), co-extruded with double layer, corrugated on the outside and smooth on the inside. Complying with rules certified by the HY German hygiene institute.
It confers high elasticity thanks to the certified anti-microbial treatment (over 99% reduction of the bacterial load commonly found on the inner surface of ducts) and very easy to clean.
It prevents allergies and asthma, bacterial growth and bad odors thanks to a special biocide active principle. For top performance (high flow rates) and duration in time of HRV systems.
Supplied in spools with airtight caps for hygienic protection. Working temperature: -25÷60 °C.
EN ISO 9969 resistance to crushing: >8 kN/m².
DN75 max flow rate: 30 m³/h (according to DIN 1946/6).
DN90 max flow rate: 45 m³/h (according to DIN 1946/6).
Min bending radius (for round pipe): 150 mm.

KCORR-P

PRODUCT CODE	SIZE		
KCORRPY075	DN75	1	-
KCORRPY090	DN90	1	-



Initial adapter for connection of round flexible corrugated pipe to plenum or manifold connections. Made with high-density polyethylene (HDPE). End-of-stroke inner profiling to prevent over-insertion of the pipe. Adapter easy to fit on plenum/manifold connection by inserting and rotating the part. Seal ring for corrugated pipe included.

KCORR-F

ROUND SECTION

PRODUCT CODE	SIZE		
KCORRFY075	DN75	1	-
KCORRFY090	DN90	1	-



Female-female sleeve for KCORR corrugated pipe joints. Seal rings included.

KCORR-A

PRODUCT CODE	SIZE		
KCORRAY075	DN75	1	-
KCORRAY090	DN90	1	-



90°-angle fitting for connection of KCORR corrugated round pipes. Seal rings included.

KCORR-AV

PRODUCT CODE	SIZE		
KCORRAVY001	51 x 138 mm	1	-



Vertical 90°-angle fitting for connection of KCORR corrugated oval pipes. For use with KCORR-M male-male sleeves for connection of oval pipes.

KCORR-AH

PRODUCT CODE	SIZE		
KCORRAHY001	51 x 138 mm	1	-



Horizontal 90°-angle fitting for connection of KCORR corrugated oval pipes. For use with KCORR-M male-male sleeves for connection of oval pipes.

KCORR-OR

FOR ROUND PIPE

PRODUCT CODE	SIZE		
KCORROY075	DN75	1	-
KCORROY090	DN90	1	-





Seal ring for KCORR corrugated round pipes. Made with EPDM synthetic material, no lubricants required for installation.

KCORR-T

FOR ROUND PIPE

PRODUCT CODE	SIZE		
KCORRTY075	DN75	1	-
KCORRTY090	DN90	1	-

FOR LOWERED OVAL PIPE

PRODUCT CODE	SIZE		
KCORRTY001	51 x 138 mm	1	-





Airtight blind cap for hygienic protection inside PE pipe systems with KCORR corrugated pipes. Made with PE polyethylene.

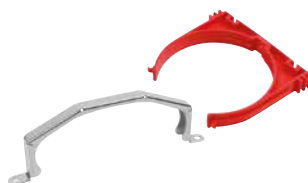
KCORR-C

FOR ROUND PIPE

PRODUCT CODE	SIZE		
KCORRCY075	DN75	1	-
KCORRCY090	DN90	1	-

FOR LOWERED OVAL PIPE



PRODUCT CODE	SIZE		
KCORRCY001	51 x 138 mm	1	-



Pipe collar for wall, ceiling or floor installation of KCORR corrugated pipes. Screws and screw anchors not included. Made with PE polyethylene for round pipes and with metal for oval pipes.

KCORR-I

FOR ROUND PIPE

PRODUCT CODE	SIZE		
KCORRIY075	DN75-15M	15	-
KCORRIY090	DN90	15	-



FOR LOWERED OVAL PIPE

PRODUCT CODE	SIZE		
KCORRIY001	51 x 138 mm	15	-



Insulation sleeve for KCORR corrugated pipes. Made with PE polyethylene for continuous extrusion and expansion, gray outer protective coating. Working temperature: $-8 \div 90$ °C. Insulation thickness: 6 mm. Insulation grade: 0,038 W/(m K). Min bending radius: 150 mm.

KFLOW-D

PRODUCT CODE	SIZE		
KFLOWDY001	Ø 80 mm	1	-



Dynamic flow rate controller. Control through inner element with self-adjusting variable slanting. It automatically maintains the level set through the front selector at any differential pressure - upstream and downstream to the control module itself - and with no additional energy. Direct installation inside KCORR-P initial adapters on plenum and manifold connections. Working range: $15 \div 50$ m³/h. Regulation steps: 5 m³/h. Regulation tolerance: ± 5 m³/h.

KFLOW-S

PRODUCT CODE	SIZE		
KFLOWSY001	Ø 80 mm	1	-



Static flow rate controller.

With removable concentric inner elements: the flow section increases based on the number of concentric disks removed.

Direct installation inside KPB opening plenums. Working range: 15÷50 m³/h.

Regulation steps: ±5 m³/h.

KST

PRODUCT CODE	SIZE		
KSTY125	DN125	1	-
KSTY160	DN160	1	-
KSTY200	DN200	1	-



Calibration damper for KFLEX flexible ducts.

KBW

PRODUCT CODE	SIZE		
KBWY002	DN160 - 1,86 kW	1	-



Cooling hydronic coil for stand-alone assembly on heat recuperator delivery duct.

Made with galvanized steel sheet frame containing the heat exchange coil consisting of copper pipes and aluminum fins. Equipped with threaded connections including air vent valves and coil drain.

① INFO

KBWY002: 1,63÷1,86 kW - Connections DN160.
For KHR 300, 400 and 500 m³/h and KHRA-H 200 and 300 m³/h.

KBE

PRODUCT CODE	SIZE		
KBWY002	DN160 - 1,00 kW	1	-



Heating hydronic coil for stand-alone assembly on delivery duct.

Made with galvanized steel sheet frame containing an armored resistance. Round flanges for easier installation in ducts.

Equipped with side electric box (cable duct included) to access the internal components: automatic thermal protector; manual thermal protector; teletrembler; adjustable thermostat ±35 °C; terminal strip.

The thermostat assembled on the coil enables to set the delivery air temperature directly.

① INFO

KBWY002: 1,0 kW - DN160 connections.
For KHR 300, 400 and 500 m³/h and KHRA-H 200 and 300 m³/h.

➤ Spare parts for centralized HRV

KFR

PRODUCT CODE	SIZE		
KFRY001	2 x ePM1/80% x KHR 200 m3/h	1	-
KFRY002	2 x ePM1/70% x KHR 300 m3/h	1	-
KFRY010	2 x ePM1/80% x KHRA2-V	1	-
KFRY011	2 x ePM1/80% x KHRA2-H	1	-
KFRY012	1 x Coarse x KHRA2-V	1	-
KFRY013	1 x Coarse x KHRA2-H	1	-

KIT FILTRI KFRY010-11



KFRY001-004



PRE-FILTRO KFRY012-13



Standard spare filter kit for ventilation units. Filters with low losses of pressure, easy to remove without tools for periodical maintenance or replacement, washable.

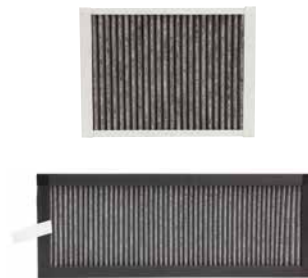
For KHRD monoblok units: polypropylene composite filters, pre-mounted upstream to the exchanger on external air intake and indoor foul air recovery.

Honeycomb polypropylene filter (on galvanized metal sheet frame and electro-welded containment meshes) pre-mounted on recirculation air circuit.

For KMSD split module: honeycomb polypropylene filter (on galvanized metal sheet frame and electro-welded containment meshes) pre-mounted on recirculation air circuit.

KFCA

PRODUCT CODE	SIZE		
KFCAY001	ePM1/70% x KHRA 80 e 140 m3/h	1	-



Spare activated-carbon filter made with polypropylene composite, low losses of pressure, easy to remove without tools for periodical maintenance or replacement, washable.

Used as optional replacement for standard filters (one or both) pre-mounted upstream to the exchanger on ventilation units. It removes gaseous contaminants (VOC, PAC, ozone, SO₂, Nox) to achieve the best IAQ (Indoor Air Quality).

KHRA2-UV

PRODUCT CODE	SIZE		
KHRA2UV001	36 W - 230 Vac	1	-



Germicide UV lamp. Spare parts for CLEAN-AIR recuperators.

KHR-C

PRODUCT CODE	SIZE		
KHRCY101	WiFi black - for KHR, KHRW, KMSW	1	-
KHRCY001	WiFi black - for CLEAN AIR	1	-
KHRCY002	WiFi white - for CLEAN AIR	1	-
KHRCY011	ModBus black - for CLEAN AIR	1	-
KHRCY012	ModBus white - for CLEAN AIR	1	-



Ventilation unit control panels.

① INFO

KHRCY101, KHRCY102, KHRCY111, KHRCY112: digital remote control for KHR, KHRW and KMSW recuperators. KHRCY502: digital remote control for KHRD and KMSD recuperators.

KHRCY001, KHRCY002, KHRCY011, KHRCY012: digital remote control for CLEAN AIR recuperators.

➤ Pinch-point heat recuperators (decentralized HRV)

1 - Pinch-point heat recuperators



p. 242

2 - Extraction fan



p. 243

3 - Accessories for extraction fans



p. 243

4 - Accessories for pinch-point recuperators



p. 243





For more details see catalogue
Air Treatment and Residential HRV
ER0008



Alternated single-flow
ventilation unit with static
heat recuperator.

KHRP

PRODUCT CODE	SIZE		
KHRPMY050	DN160 - 50 m3/h - Master	1	-
KHRPSY050	DN160 - 50 m3/h - Slave	1	-
KHRPMY025	DN100 - 20 m3/h - Master	1	-
KHRPSY025	DN100 - 20 m3/h - Slave	1	-

EXTRACTION FLOW



INFLOW



Alternated-flow ventilation unit with heat recovery for high-performance decentralized Heat Recovery Ventilation (HRV) in single residential units (residential buildings, offices, surgeries). Operational principle based on regenerative heat recovery through a ceramic exchanger inside the unit. The exchanger accumulates the heat released by the air extracted from the room and transfers it back by heating the air during the delivery cycle. Unit designed for indoor horizontal installation close to perimetric walls. Available as Master (unit with electronic control and setting remote) and Slave (unit with no remote, fit for use with Master units without direct wiring).

Combined operation of 1 Master unit and up to 12 Slave units.

Electronic control system for autonomous or coordinated operation of the installed appliances.

KHRP-F

PRODUCT CODE	SIZE		
KHRPFY001	1 x Coarse	1	-



Spare filter for KHRP pinch-point heat recuperator.

KHRP-I

PRODUCT CODE	SIZE		
KHRPIY160	For KHRPMY050, KHRPSY050 - DN160	1	-



Insulation kit (rigid pipe and caps) for KHRP pinch-point heat recuperator.

Made with polypropylene foam (EPP) for thermal insulation of the recuperator telescopic pipe to prevent thermal bridges and heat dispersions. It enables to install the recovery unit after completion of the construction works.

KHRP-D

PRODUCT CODE	SIZE		
KHRPDY001	174 x 174 mm	1	-



Wall mounting template with rapid disassembly system for KHRP pinch-point heat recuperator. Convenient to inspect the recovery unit when disassembling the appliance through practical nuts and without removing the wall-mount screws included. Varnished steel.

KHRP-E

PRODUCT CODE	SIZE		
KHRPEY100	DN100 - For KHRPMY025, KHRPSY025	1	-
KHRPEY160	DN160 - For KHRPMY050, KHRPSY050	1	-



External grid for KHRP inch-point heat recuperator.
Made with plastic UV-resistant anti-static material, deflector shell included.

KHRP-C

PRODUCT CODE	SIZE		
KHRPCY001	230 x 230 mm - white steel	1	-
KHRPCY002	230 x 230 mm - black steel	1	-
KHRPCY003	230 x 230 mm - wood MDF	1	-



Front cover for pinch-point heat recuperator KHRP and KVP extraction fan.
Made with a variety of materials and finish for a wide range of living solutions.
Supplied with special assembly screws to replace the front panel included with the ventilation unit.



KVP

PRODUCT CODE	SIZE		
KVPY001	DN100	1	-



Spot vacuum unit with constant flow rate for constant or intermittent foul air extraction in small/medium spaces such as bathrooms, kitchens, laundries, offices and stores.
Fit for wall-mount, ceiling or window-glass installation with special accessory. Available as duct-type unit. Constant flow rate control through micro-switches on side-mount electronic card. Optional operation with timers (basic timer or humidistat timer) through accessory electronic cards.
Extraction air flow rate up to 80 m³/h.

KVP-T

PRODUCT CODE	SIZE		
KVPTY001	Timer	1	-
KVPTY002	Timer	1	-



Additional electronic card for KVP spot extraction fan. For temporized operation.
TIMER: It starts the aspirator when the light or dedicated switch is turned on and to keep it running when off, for a time included between 45 seconds and 20 minutes, programmable through an internal trimmer.
TIMER WITH HUMIDISTAT: It starts the aspirator when the level of relative humidity inside the room exceeds the activation set point and keeps it running till the humidity level doesn't go below such threshold. When reaching the set point, the timing function enables the aspirator to keep running for a time programmable between 45 seconds and 20 minutes so as to further reduce the relative humidity inside the room.
The relative humidity threshold can be set between 40-80%.
Aspirator for manual use also available with TIMER function.