EN

WALTER ROLLER GERMANY

Air conditioning units for perfect
room conditions in buildings

HKN

A1 CO_2 H_2O



PRODUCTS FOR EXPERTS
QUALITY MADE IN GERMANY

OUR PRODUCTS

High-performance air coolers for commercial and industrial refrigeration in cooling and freezing applications

Custom-designed **heat exchangers** tailored to your system-specific requirements

Air conditioning units for precise and demanding HVAC solutions in building technology

ABOUT ROLLER

We develop and produce at the locations in Gerlingen our innovative air coolers. We can develop solutions for individual applications with you.

Either as standard or customized as a system solution.

Walter Roller offers with its broad product range of heat exchangers and air coolers for a wide performance range and every application in refrigeration technology the optimal solution.

Customized solutions...

...for your refrigeration requirements

Roller
WALTER ROLLER GERMANY

Quality made in Germany

80 YEARS EST. 1946 OF INNOVATION

Your partner for over 80 years

OUR MARKETS

HVAC · Refrigeration · Logistics · IT · Process · Energy · Marine · Offshore · Heat recovery

LOCATIONS

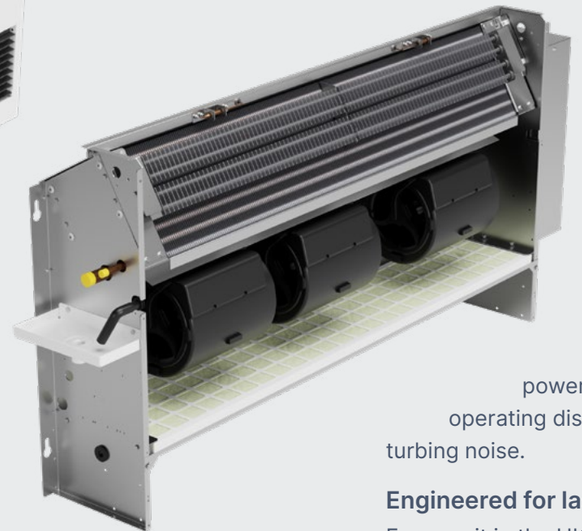
Headquarter Germany
Walter Roller GmbH & Co.
Phone: +49 (0) 7156 2001-0
info@walterroller.de

Sales Office - Thailand / HQ Asia
Mr. Suppasilp Lawanaskol
Phone.: +66 (0) 2 645 3881-3
salesco@rollerthailand.com

COMPANY DEVELOPMENT

2026	80 Years of Walter Roller
2022	Expansion of production capacity at Plant III
2021	Optimized fin system for CO_2 deep-freezing applications
2020	Expansion of production capacity at Plant II
2015	Opening of the headquarters in Bangkok/Asia
2008	New warehouse and logistics center opened
2006	Conversion to EC fan technology
1998	Performance increase through internally finned tubes
1996	CO_2 evaporators for supermarket refrigeration
1968	Development of air-conditioning units
1958	Production of the first high-performance evaporators
1946	Walter Roller founds the company





Air conditioning unit HKN

FOR PERFECT ROOM CONDITIONS IN BUILDINGS

For more than 50 years, HKN air conditioning units have been setting the benchmark for efficiency and flexibility.

Their modular design offers virtually unlimited configuration possibilities, enabling a solution that is perfectly tailored to your specific application. For maximum performance, outstanding reliability, and tangible energy savings.

Made in Germany

Each HKN air conditioning unit is manufactured in Germany with the utmost precision and individually tested.

In addition to comprehensive performance testing, our engineers subject every unit to extreme operating conditions. This ensures reliable performance even in the most demanding applications, including custom-designed solutions for use on board ships.

Technology that performs where others reach their limits.

Robust design for long-term reliability, even under demanding operating conditions

- The combination of carefully selected materials and proven components results in an air conditioning unit that delivers reliable performance even under demanding conditions. Its high-quality construction ensures exceptional stability and a long service life.
- Thanks to its robust design, the unit is ideally suited for applications where durability and operational reliability are essential.

Powerful performance – remarkably quiet

Our units combine high efficiency with exceptionally low noise levels, ensuring reliable indoor climate control.

The result is a noticeably more comfortable indoor environment, delivering powerful performance while operating discreetly and without disturbing noise.

Engineered for lasting comfort

Every unit in the HKN series is specifically engineered to deliver a balanced indoor climate. The promised comfort is not limited to specific situations but is consistently maintained across all operating modes.

HKN

The range of tailor-made climate control solutions for building services engineering is both diverse and demanding.

Whether in public or private buildings, in small commercial facilities or large industrial enterprises, the HKN offers a robust and timeless air conditioning unit that can be configured for both heating and cooling operation, either as a cased unit or as a built-in solution.

With its extensive range of accessories, control options and corrosion protection solutions, the unit reliably meets even demanding climate control requirements.



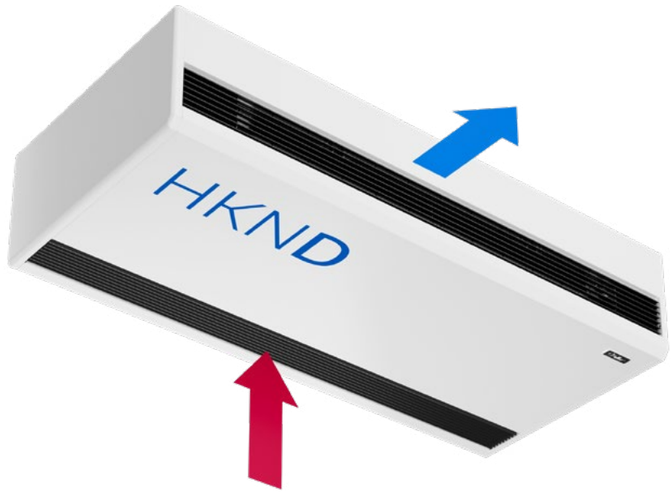
HKN product variants

DISCOVER THE VERSATILE HKN UNIT RANGE

Our air conditioning units are available in a wide variety of designs, performance classes and configurations, ranging from floor-standing units and ceiling- or wall-mounted models to industrial and low-noise versions. Each product variant is optimised for its specific application, delivering reliable performance, high efficiency and flexible installation options.

All units are available both with and without casing.

Whether as a stand-alone air conditioning unit with a timeless design or as a built-in solution integrated into the building architecture, HKN offers the ideal solution for virtually any application.



HKN
Floor-standing unit (vertical installation)

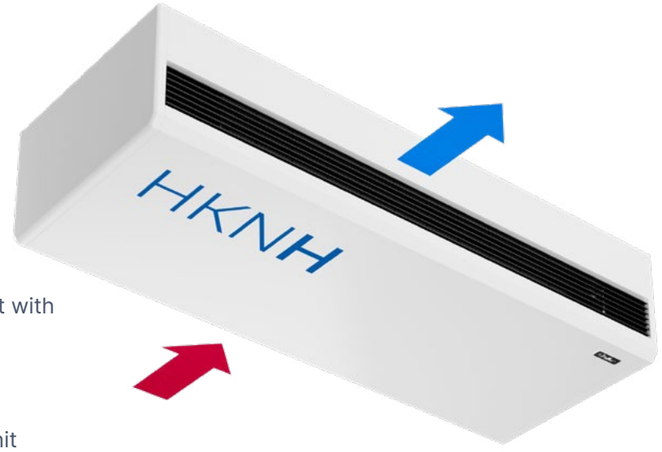
HKN**I**
Industrial floor-standing unit with increased airflow
from size 800 onwards

HKN**L**
Floor-standing unit, low-noise version
from size 800 onwards

HKN**D**
Ceiling-mounted unit (horizontal installation)

HKN**DI**
Industrial ceiling-mounted unit with enhanced airflow capacity)
from size 800 onwards

HKN**DL**
Low-noise ceiling-mounted unit
from size 800 onwards



HKN**H**
Ceiling-mounted unit – horizontal installation with horizontal air intake
size 200 - 700

HKN**W**
Wall-mounted unit with or without casing (vertical installation)
Größe 200 - 700





Roller EASY SELECT
Quickly and intuitively select the ideal air conditioning unit for your application.

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HKN version
Basic unit

The HKN air-conditioning unit series from Walter Roller offers maximum flexibility for a wide range of building services and room air-conditioning applications. The unit can be supplied either as a basic unit or with an attractive, fully enclosed casing.

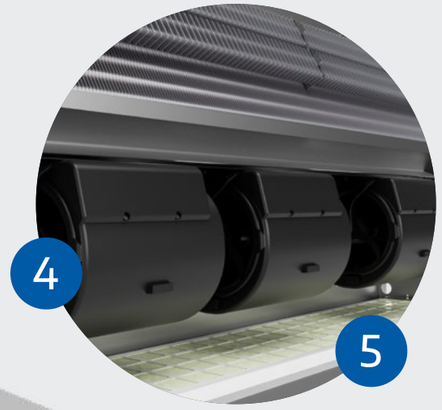
As a basic unit, the HKN is available in a slim, low-profile design, making it ideal for installation in customer-provided constructions or cladding. The basic units are manufactured from robust Sendzimir-galvanized sheet steel and are designed for heating and/or cooling operation.

When supplied with a casing, the HKN becomes a complete air-conditioning cabinet featuring a high-quality, durable exterior enclosure with an appealing design.

Maximum flexibility
A wide range of versions, with or without casing

Robust and durable
thanks to the use of Sendzimir-galvanized sheet steel

Proven technology
Efficient Roller coil system with copper tubes and aluminium fins



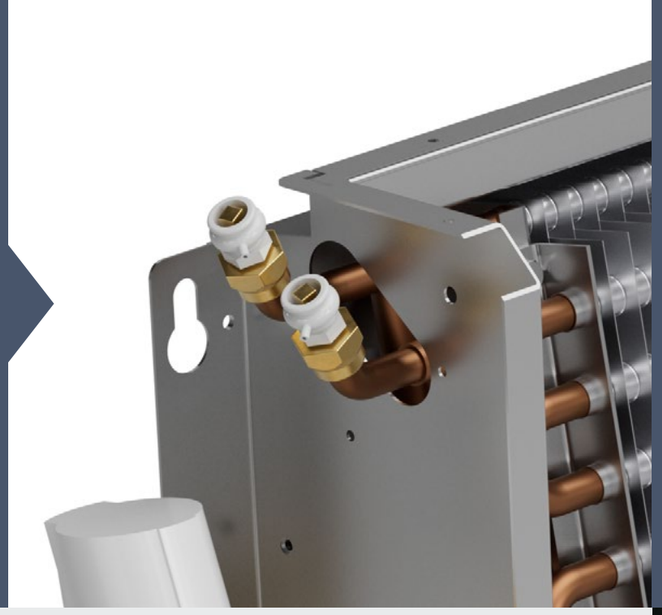


1. **Basic unit:** Sendzimir-galvanized sheet steel
2. **Heat exchanger:** Cu-DHP copper tubes, aluminium fins
   Optional: Copper fins, gold-coated fins
3. **Condensate drain tray:** Sendzimir-galvanized sheet steel, powder-coated and insulated to prevent condensation formation
4. **Cross-flow fan (HKN/D/H/W 10-50):**
   EC motor, 230 V, 50/60 Hz, aluminium impeller
   Centrifugal fan (HKN/D/I/L 200-1400):
   PP housing, fan wheel and mounting made of PA, 230 V, 50/60 Hz, thermal contact, internally wired, AC or EC motor
   Special versions available on request
5. **Air filter** HKN/D 10–50:
   Dry-type filter
   HKN/D/I/L 200–1400:
   Filter class G3 according to EN 779; G4 and **new:** M5 available as options
6. **Heat exchanger connections:** Copper (refrigerant circuit, hermetically sealed) or brass (water)
7. **Side-mounted condensate drain pan**
   Wall-mounted version:
   - PA drain connection, R 3/4”
   - Material: Powder-coated sheet steelt

   Ceiling-mounted version:
   - Plastic construction, Cu 15 × 1 connection
8. **Electrical control box:** Galvanized sheet steel
9. **Insulation materials:**
   Various insulation materials, halogen-free

Carefully Designed Venting

The vent valves are positioned directly above the drip tray within the air discharge section, ensuring easy access. This arrangement allows any air trapped in the system to be removed quickly and safely.



Easy Cleaning

The drip tray can be removed in just a few simple steps for easy cleaning. The fans can also be taken out quickly by disconnecting a plug connector, providing convenient access for maintenance and cleaning work.



Service-friendly down to the last detail



More Space for Maintenance

Optional removable side panels provide convenient access for maintenance and cleaning of the electrical control box, hydraulic valves and pipe connections. This design simplifies servicing and helps reduce maintenance time.



Easy Connection Through Proven Design

The swivel-mounted electrical control box and clearly structured components enable fast and straightforward installation and maintenance. All control components are neatly pre-wired to terminal blocks at the factory, reducing installation time and simplifying commissioning.

Quick Filter Replacement

The air filter can be easily removed from the front of the unit and replaced in just a few simple steps. This saves time and makes routine maintenance significantly easier.



HKN Product Range

THE OPTIMAL AIR CONDITIONING UNIT
FOR EVERY APPLICATION



CO_2Oler

The Product Range for the Natural Refrigerant CO_2 (R744)
Our CO_2Ol**er** air conditioning units have been specifically engineered for safe and reliable operation with the natural refrigerant R744 (CO_2). Designed to meet the highest standards in pressure resistance, energy efficiency and operational reliability, they are the ideal choice for modern and sustainable refrigeration systems.

The CO_2Ol**er** HKN units are particularly well suited for cooling adjacent sales areas, offices and other occupied spaces connected to existing CO_2 booster or centralized refrigeration systems. Thanks to proven Walter Roller engineering, they deliver the robust performance, reliability and long service life that customers have come to expect from Roller products.

Advantages of the CO_2Oler Product Range

- **Maximum energy efficiency**
  Reinforced copper tube walls, optimised tube and fin geometries, minimal refrigerant pressure drop and state-of-the-art EC fan technology ensure outstanding efficiency, even under demanding operating conditions
- **Sustainable and future-proof**
  As a natural refrigerant, CO_2 (R744) offers a long-term, F-Gas-compliant solution
- **High operational reliability**
  The robust design and precise control options ensure safe, dependable operation with minimal downtime and maximum reliability
- **Cooling capacities** from 1 to 20 kW



H_2OCooler

HKN Air Conditioning Units for Water and Glycol Circuits – the efficient solution for water and glycol systems

When maximum operational reliability, indirect cooling and energy-efficient air conditioning are required, HKN air conditioning units for operation with secondary refrigerants such as water or glycol are the ideal choice.

Our hydronic air conditioning units provide a future-proof alternative to direct expansion systems. They deliver precise cooling and, when connected to a hot-water circuit or heat pump, efficient heating. With their compact design, extensive accessory range and comprehensive control options, they are the perfect solution wherever safety, precision and sustainability are key requirements.

Advantages of the H2OCooler product line

- **Maximum operational reliability**
  No flammable or toxic refrigerants are used directly within the conditioned space. The refrigerant remains safely contained within the chiller plant or central refrigeration system, while only water or glycol circulates through the air conditioning units
- **Future-proof and independent of F-Gas regulations**
  Indirect cooling using water or glycol provides a sustainable solution that is largely independent of refrigerant restrictions and evolving regulatory requirements
- **Flexible and gentle in operation**
  Ideal for comfortable air conditioning in offices, hotels and medical practices, as well as for specialised applications such as laboratories, cleanrooms and similar environments
- **Simple and flexible installation**
  Operation via a central chilled-water system reduces technical requirements within the conditioned space, enables space-saving installation and allows for modular system expansion
- **Cooling capacities** from 1 – 20 kW



Roller
EASY SELECT

Quickly and intuitively find the ideal
air conditioning unit for your application.

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Size overview

GERÄTEGRÖSSEN FÜR JEDE RAUMSITUATION

Die HKN-Klimageräteserie bietet eine außergewöhnlich breite Palette an Gerätegrößen, die für unterschiedliche Raumvolumen und bauliche Gegebenheiten optimiert wurden.

Die verfügbaren Größen decken einen großen Leistungs- und Luftmengenbereich ab und erlauben damit die exakte Anpassung an kleine, mittlere und große Räume.

Performance ranges by unit size

- Cooling capacity: From 0.3 kW to 20 kW, depending on unit size and product range.
- Heating capacity: From 0.6 kW to 39 kW, particularly in the larger unit sizes such as HKN 1400.

Airflow ranges

The unit sizes differ significantly in their airflow capacity, making them suitable for applications ranging from small individual rooms to large halls:

- 35 to 3,050 m³/h, graduated according to unit size and configuration (HKN/W/D/I/L).

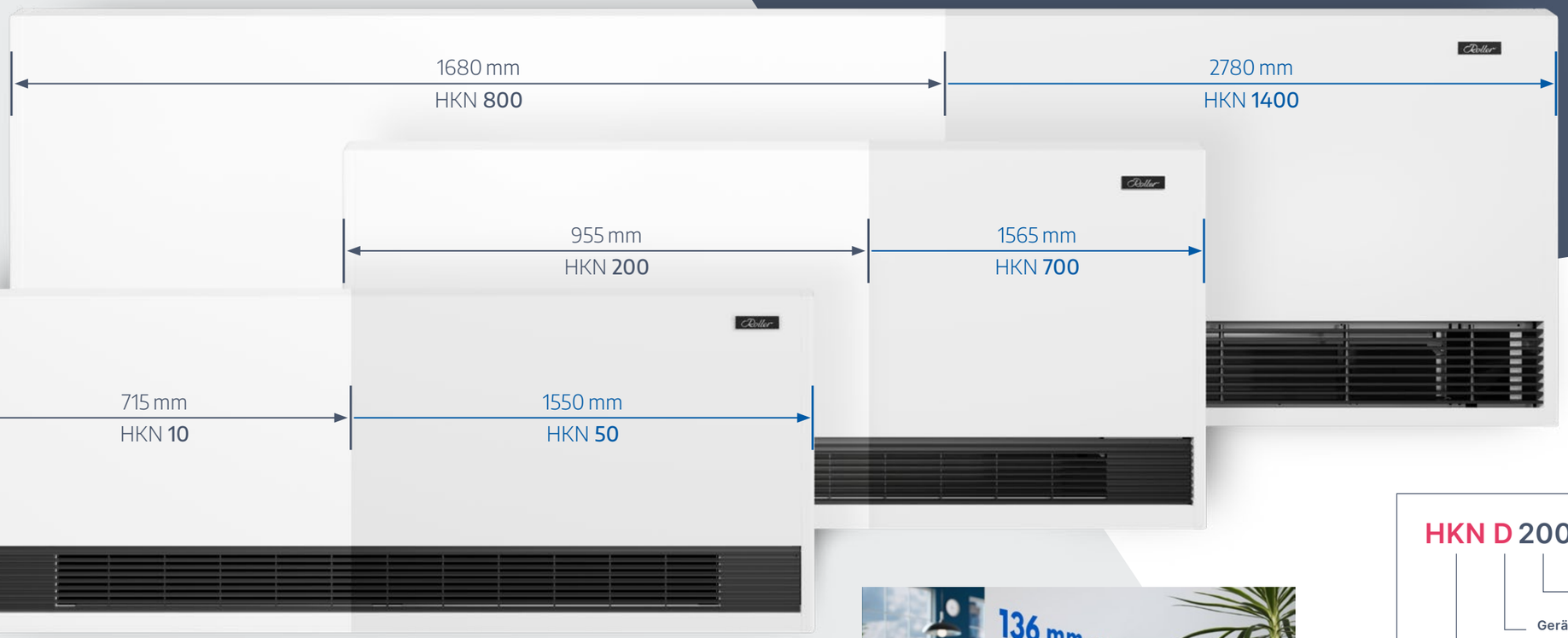
Dimension-optimised variants

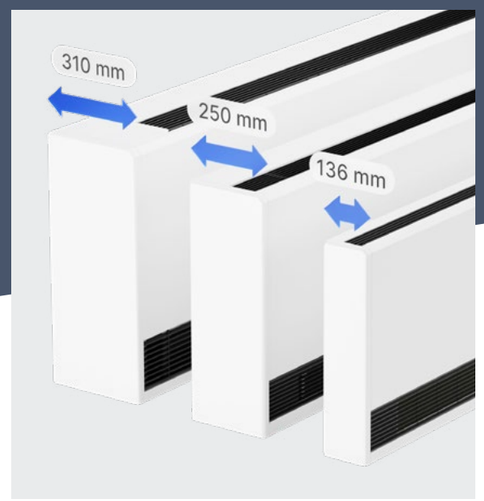
Smaller unit sizes (HKN/D 10-50) feature an especially shallow design and are ideally suited for installations with limited available space. Their minimal installation depths allow use in applications where conventional air conditioning units cannot be accommodated.

Larger unit sizes (e.g. HKN 200-1400) provide higher performance while maintaining a compact ratio between unit dimensions and thermal output. This enables their integration into large offices, plant rooms, halls, and specialised applications.

Model variants by size

- Small unit sizes – HKN/D 10-50: Compact installation depths, EC cross-flow fans, ideal for small to medium-sized rooms
- Medium unit sizes – HKN/D 200-700: Higher airflow rates, available with optional AC or EC centrifugal fans.
- Large unit sizes – HKN/D/I/L 800-1400: High thermal output and high airflow volumes for large spaces and industrial applications.







Type code

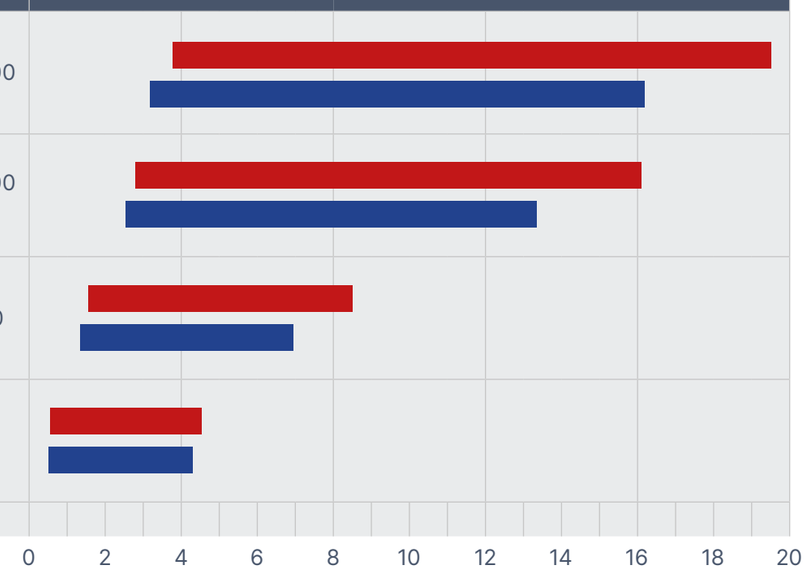
HKN D 200

- **Unit size:** Sequential size designation (10-1400)
- **Geräteversionen:**
  - **I:** Floor-standing unit, industrial version (with increased airflow capacity)
  - **L:** Floor-standing unit, low-noise version
  - **D:** Ceiling-mounted unit
  - **DI:** Ceiling-mounted unit, industrial version (with increased airflow capacity)
  - **DL:** Ceiling-mounted unit, low-noise version
  - **H:** Ceiling-mounted unit with horizontal air intake
  - **W:** Wall-mounted unit with bottom air intake
- **HKN floor-standing unit (standard version)**

Performance Ranges

Cooling and heating capacities across the various HKN series versions

Type	Size	Performance Range
HKN**I** HKND**I**	800 – 1400	
HKN**L** HKND**L**	800 – 1400	
HKN HKN**D** HKN**W** HKN**H**	200 – 700	
HKN HKN**D**	10 – 50	



Reference Conditions:
Air inlet (cooling): 27 °C, 47% RH
Water: 6/12 °C
Air inlet (heating): 20 °C
Water: 50/40 °C

PERFORMANCE CALCULATION
FOR EVERY INDIVIDUAL UNIT

The exact performance data for each unit can be found in our **new EasySelect** software **for the calculation of air conditioning units.**

Simply calculate your required unit.

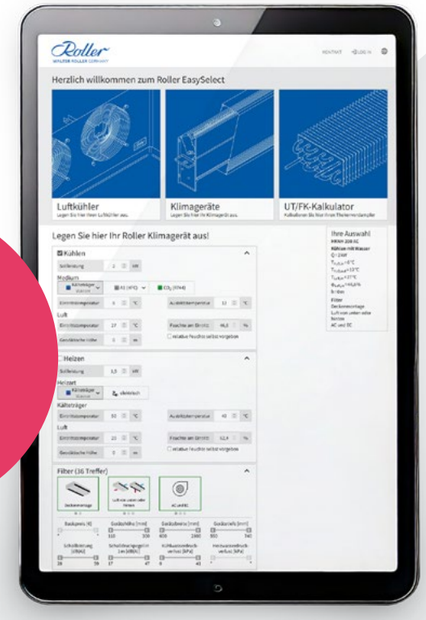
Roller EASYSELECT

FOR THE CALCULATION OF HKN SERIES AIR CONDITIONING UNITS

Neu für den **HKN**

Roller EasySelect enables the precise calculation of air conditioning units based on just a few input parameters. The software automatically calculates suitable unit variants and presents them clearly and comprehensively.

- Precise thermodynamic calculations
- Consideration of individual application conditions
- Comparison of multiple suitable unit variants
- Transparent presentation of all relevant technical data
- Clear selection of media and product lines:
  A1 CO_2 H_2O
  CO_2Oler H_2OCooler
- Clear and intuitive user interface
- All technical data at a glance
- Calculation within seconds with just a few clicks
- Pricing information for calculated units
- Available online and offline; optional desktop installation directly from the browser
- Optimised for mobile devices, including optional app installation directly from the browser





Scan me!
HKN calculation

Scan me!
For more info

Find out more about Roller EasySelect at:

www.walterroller.com/software

Operating Modes

VERSIONS FOR EVERY REQUIREMENT

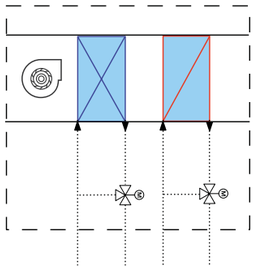
The heat exchanger is the central component of the HKN series. The standard versions already cover numerous applications.

Thanks to the modular design, **further versions can be realised without difficulty**.

VARIANT 1
DUAL-CIRCUIT
HEAT EXCHANGER:

- Cooling by **cold water**
- Heating by **hot water**

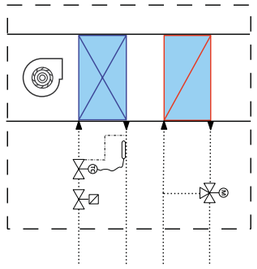
Heat exchanger
Version 2



VARIANT 2
DUAL-CIRCUIT
HEAT EXCHANGER

- Cooling by **refrigerant**
- Heating by **hot water**

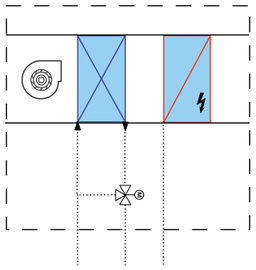
Heat exchanger version 1
Including anti freezing thermostat



VARIANT 3
SINGLE-CIRCUIT
HEAT EXCHANGER

- Cooling by **cold water**
- Heating by **electric heater**

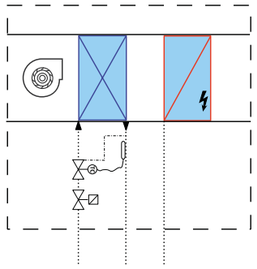
Not for HKN 10–50



VARIANT 4
SINGLE-CIRCUIT
HEAT EXCHANGER

- Cooling by **refrigerant**
- Heating by **electric heater**

Not for HKN 10–50

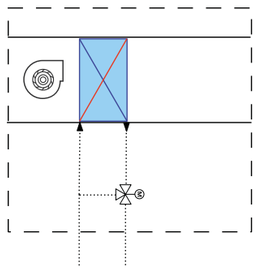


VARIANT 5
SINGLE-CIRCUIT
HEAT EXCHANGER

- Cooling by **cold water**

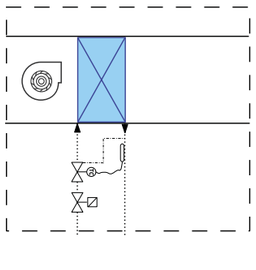
OR

- Heating by **hot water** (with Change over)

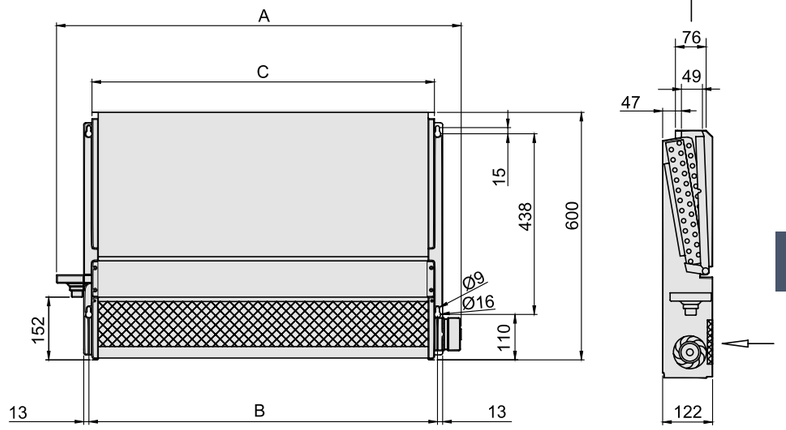


VARIANTE 7
SINGLE-CIRCUIT
HEAT EXCHANGER

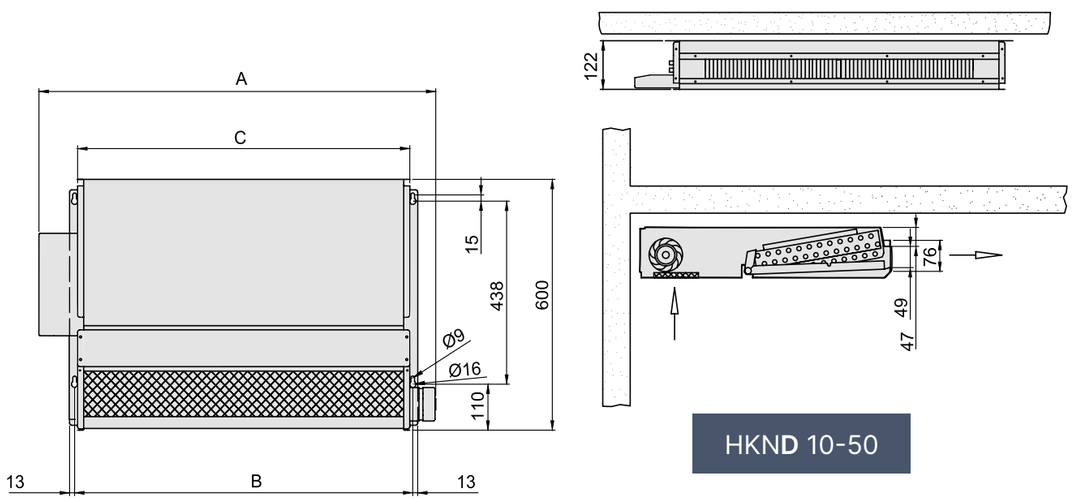
- Cooling by **refrigerant**



Dimensions & Weight

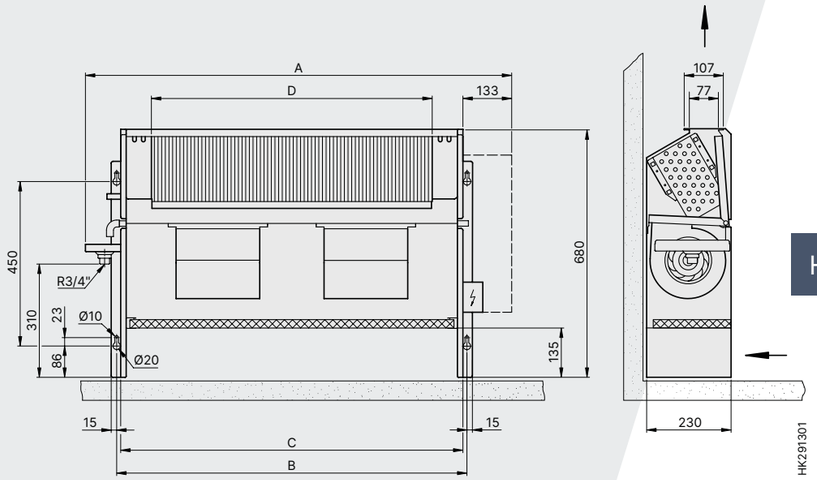


HKN 10-50

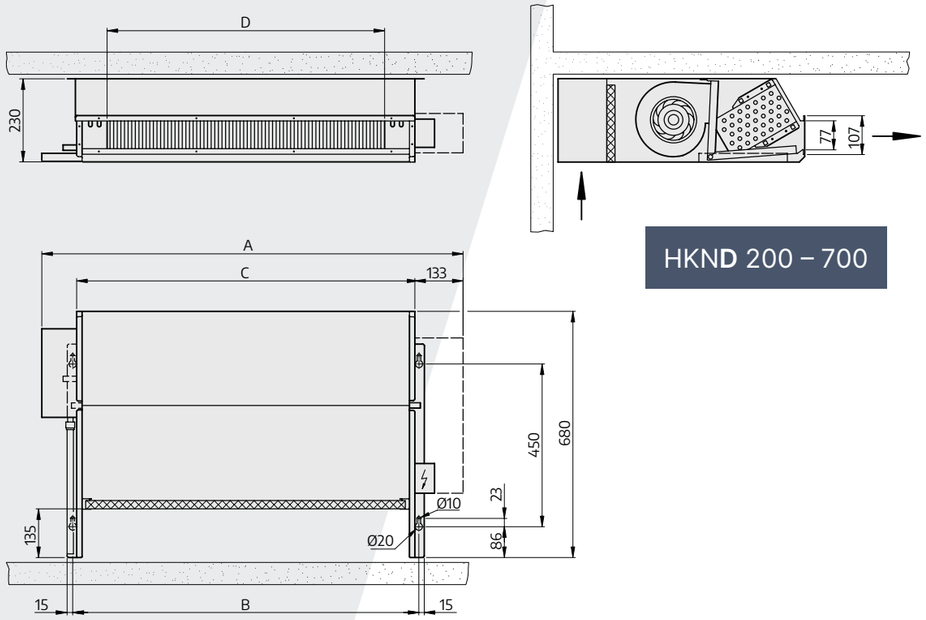


HKN**D** 10-50

HKN / **D**	Dimensions in mm			Weight		Tube volume		
				2 lines	4 lines	2 lines	4 lines	
							Kühlen	Heizen
	A	B	C	kg	kg	kg	kg	kg
10	580	445	430	15	16	0,7	0,7	0,2
20	780	645	630	18	19	1,1	1,1	0,4
30	980	845	830	19	21	1,4	1,4	0,5
40	1180	1045	1030	23	25	1,8	1,8	0,6
50	1380	1245	1230	26	28	2,1	2,1	0,7

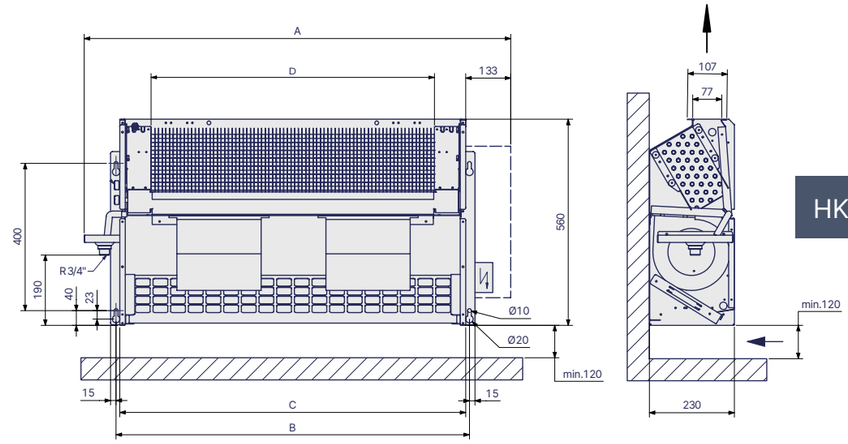


HKN 200 – 700

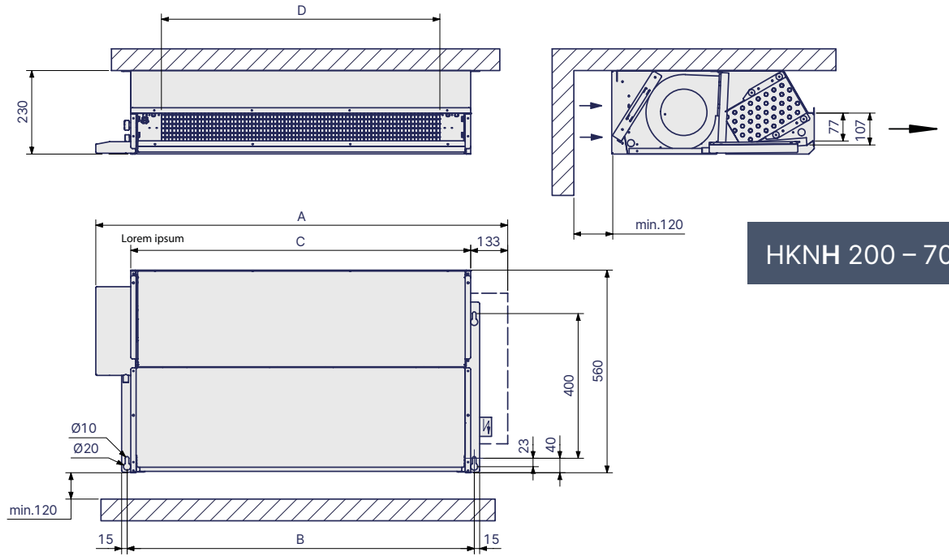


HKN**D** 200 – 700

HKN HKN **D**	Dimensions in mm				Weight	Tube volume		
						2 lines	**4 lines**	
							Kühlen	Heizen
	A	B	C	D	kg	kg	kg	kg
200	870	660	640	470	26	1,4	1,1	0,7
400	1170	960	940	770	32	2,1	1,6	1,1
600	1470	1260	1240	1070	38	2,6	2,1	1,4
700	1470	1260	1240	1070	41	2,6	2,1	1,4

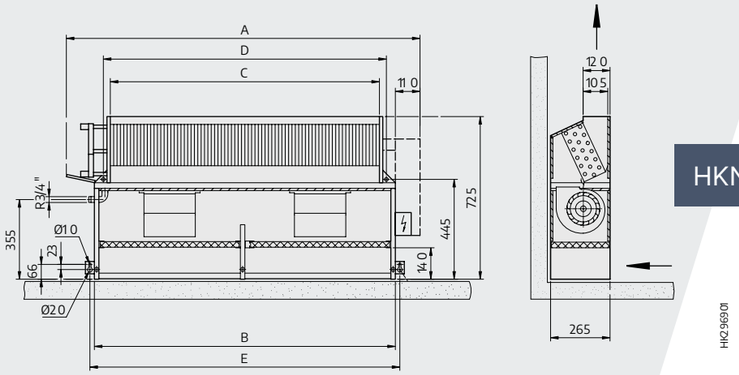


HKN**W** 200 – 700



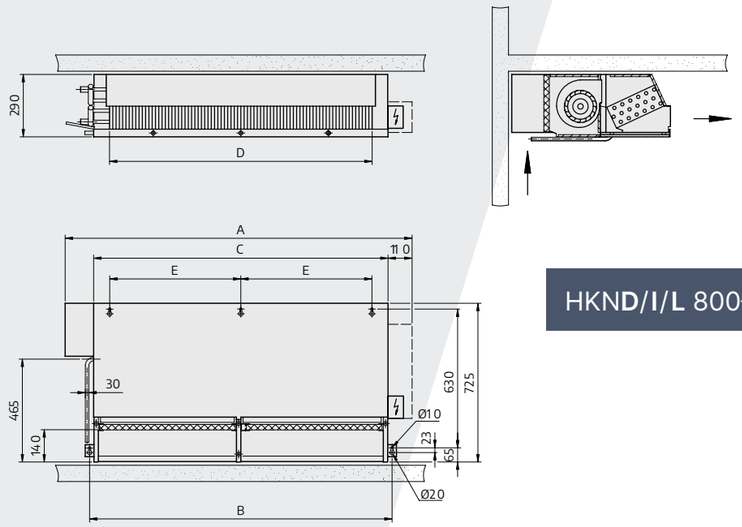
HKN**H** 200 – 700

HKN **W** HKN **H**	Dimensions in mm				Weight	Tube volume		
						2 lines	**4 lines**	
							Kühlen	Heizen
	A	B	C	D	kg	kg	kg	kg
200	870	660	640	470	26	1,4	1,1	0,7
400	1170	960	940	770	32	2,1	1,6	1,1
600	1470	1260	1240	1070	38	2,6	2,1	1,4
700	1470	1260	1240	1070	41	2,6	2,1	1,4



HKN/**I**/**L** 800–1400

HKN HKN**I** HKN**L**	Dimensions in mm					Weight	Tube volume			
							2 lines		4 lines	
							DV	Wasser	Kühlen	Heizen
	A	B	C	D	E	kg	kg		kg	kg
800	1590	1340	1200	1260	1383	53	3,9	3,9	2,9	1,5
1000	1890	1640	1500	1560	1683	64	4,7	5,3	3,5	1,8
1200	2190	1940	1800	1860	1983	75	5,5	6,2	4,1	2,1
1400	2690	2440	2300	2360	2483	90	7,7	6,8	5,1	2,6



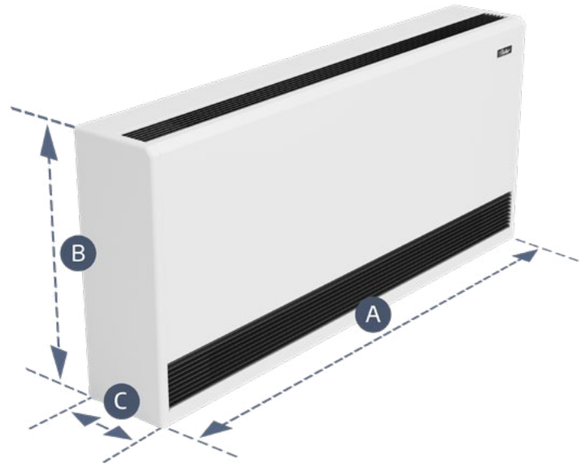
HKN**D**/**I**/**L** 800–1400

HKN**D** HKN**DI** HKN**DL**	Dimensions in mm					Weight	Tube volume			
							2 lines		4 lines	
							DV	Wasser	Kühlen	Heizen
	A	B	C	D	E	kg	kg		kg	kg
800	1590	1383	1345	1200	603	61	3,9	3,9	2,9	1,5
1000	1890	1683	1645	1500	753	75	4,7	5,3	3,5	1,8
1200	2190	1983	1945	1800	903	83	5,5	6,2	4,1	2,1
1400	2690	2483	2445	2300	1153	103	7,7	6,8	5,1	2,6

Accessories and Options

HOUSING

- Sendzimir-galvanised steel sheet
- Powder-coated finish: white (similar to RAL 9010)
- Other RAL colours available on request
- Hingeable return air grille (for exchange of air filter)
- Removeable air outlet grille
- Grilles available in black (standard) or silver anodised



GehäuseDimensions und Weight

HKN HKN**D**	Dimensions in mm			Weight
	A	B	C	kg
10	750	615	136	7
20	950	615	136	9
30	1150	615	136	10
40	1350	615	136	12
50	1550	615	136	13

HKN HKN**D** HKN**W*** HKN**H***	Dimensions in mm			Weight
	A	B	C	kg
200	955	700/580*	250	12/11*
400	1260	700/580*	250	14/13*
600	1565	700/580*	250	17/15*
700	1565	700/580*	250	17/15*

HKN HKN**D** HKN**I** HKN**L**	Dimensions in mm			Weight
	A	B	C	kg
800	1680	750	310	22
1000	1980	750	310	25
1200	2280	750	310	28
1400	2780	750	310	33

Housing options and variants

REMOVABLE SIDE PANELS
simplify maintenance and cleaning work (optional)



REAR HOUSING COVER
For HKND



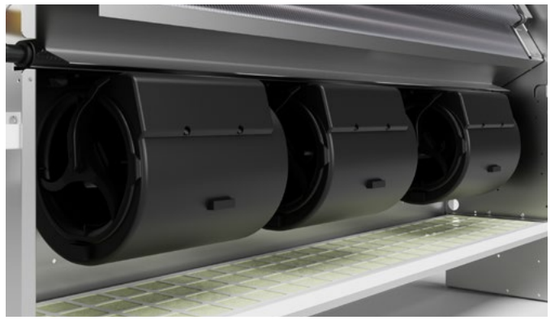
REAR HOUSING COVER
For HKN



STAINLESS STEEL DESIGN HOUSING



SPEED-CONTROLLED EC FAN TECHNOLOGY, 0-10 V



Compared to AC fans, EC fan technology offers significant energy savings and enhanced comfort through infinitely variable fan speed control.

Includes operating and fault indication contacts (Fan Good/Fan Bad).

Standard on HKN/D 10-50

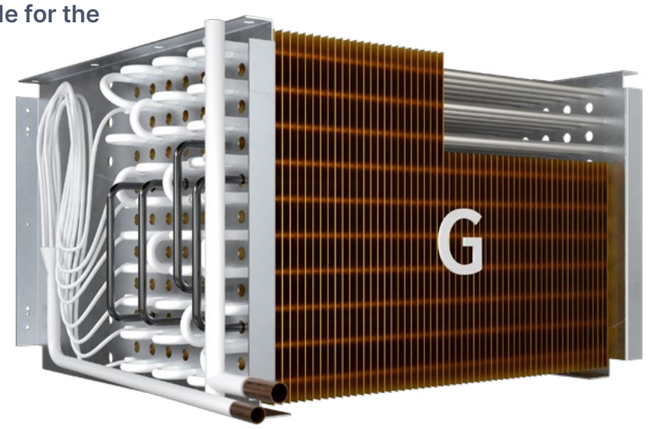
OPTIMUM CORROSION PROTECTION – EXTENDED SERVICE LIFE

Air conditioning units can also be exposed to corrosive environments. Whether caused by salt-laden sea air, smoke, or cleaning agents, it is essential to understand the impact of these influences on corrosion.

Walter Roller offers an effective corrosion protection solution for the HKN series, ensuring safe operation and long-term leak-tightness of the heat exchanger throughout its entire service life.

Corrosion protection version G is available for the HKN series

This option is particularly recommended wherever protection against atmospheres and cleaning agents containing ammonia or acetic acid is required.



The protective effect is achieved through:

- Epoxy-coated fins
- Copper tubes with a tin coating (the tin layer acts as a sacrificial anode, protecting the copper tube from corrosion)
- Coating of the return bend and tube sheet areas with a two-component protective coating

Weitere Korrosionsschutzvarianten sind auf Anfrage verfügbar. Sprechen Sie uns gerne persönlich an.

Detaillierte Informationen zum Korrosionsschutz finden Sie unter:

www.walterroller.de/technologie/korrosionsschutz

Valve & Actuator Options

VALVE OPTIONS

HKN series units can be equipped with a wide range of valves. For **water applications**, two-way or three-way valves, including matching actuators, can be factory-fitted.

Due to the large number of possible valve combinations for **refrigerant applications**, these units are supplied without valves as standard.

In addition to our standard valves and actuators, numerous other options are available on request, including pressure-independent control valves and valves with higher closing pressures.

EXAMPLE 1:

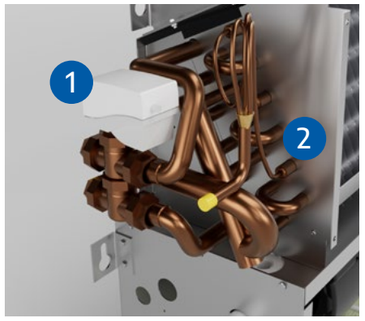
HKN 30, Version 1 **with two-way valves and thermal actuator (230 V).**



BEISPIEL 2:

HKN 1000, Version 2 with 1 **3-three-way valve and motorised actuator (24 V, 0-10 V) on the hot water circuit.**

2 Direct expansion refrigerant circuit with airtight protective caps.



STANDARD ACTUATORS

THERMAL ACTUATOR

The thermal actuator provides a simple and reliable solution for opening and closing control valves.

- 230 V AC



MOTORISED ACTUATOR

In combination with three-way valves, the motorised actuator provides the most convenient and precise method of controlling the water flow through the air conditioning unit.

- 24 V AC/DC, 0-10 V DC



Temperature control

WITH SIEMENS RDG 200T / 260T ROOM THERMOSTAT

Features:

- Configuration of unit variants via the Siemens PCT
- Go smartphone app
- Integrated temperature sensor
- Room temperature control
- RDG20..T..: Triac control outputs for On/Off, PWM or 3-position control
- RDG26..T..: Control outputs for DC 0...10 V or On/Off operation
- Fan outputs: 3-speed, single-speed, or DC 0...10 V 3 multifunctional inputs (X1, X2 and X3) for keycard contact, external sensor, etc.
- Operating modes: Comfort, Economy and Protection
- Automatic or manual fan speed control
- Automatic or manual heating/cooling changeover
- Commissioning via local user interface
- 20-hour power reserve in the event of a power failure
- Supply voltage:
  – RDG20..T..: AC 230 V
  – RDG26..T..: AC 24 V or DC 24 V

KNX controller version available on request.

Functions:

- Weekly time schedule
- Room temperature control via integrated temperature sensor or external room/return air temperature sensor
- Minimum and maximum supply air temperature limitation
- Operating mode selection via the operating mode button
- Individual keypad lock for each button (automatic or manual)
- Heating/cooling changeover (automatic via local sensor or manual)
- Password-protected parameters (locked by default)
- Flushing function in combination with a two-way valve
- Valve anti-seizing function and filter maintenance reminder



Bildquelle:
Siemens AG

STANDARD SCOPE OF SUPPLY FOR RDG 200 T VARIANTS

	Variante					
	1	2	3	4	5	7
Siemens RDG 200 T room thermostat	x	x	x	x	x	x
Two-way valve 230 V thermal actuator						
Cooling ❄	x		x		x	
Heating	x	x				
Junction box	x	x			x	x

Water valves included in the respective variants.

Outputs for:

- 3-speed fan / modulating fan control via 0-10 V
- 2-point (230 V) valve actuator for cooling (CW) and heating (HW) (RDG 200T)
- Compressor for direct expansion applications
- Electric heater

STANDARD SCOPE OF SUPPLY FOR RDG 260 T VARIANTS

	Variante					
	1	2	3	4	5	7
Siemens RDG 260 T room thermostat	x	x	x	x	x	x
230/24 V transformer	x	x	x	x	x	x
Two-way valve motorised actuator, 24 V / 0-10 V						
Cooling ❄	x		x		x	
Heating	x	x				
Electrical control box	x	x	x	x	x	x

Water valves included in the respective variants.

Outputs for:

- Modulating fan control via 0-10 V
- Modulating control via 0-10 V (RDG 260T)
- Compressor for direct expansion applications
- Electric heater

Additional Options & Accessories

AIR FILTER

The standard air filter protects the heat exchanger and provides a high filtration efficiency..



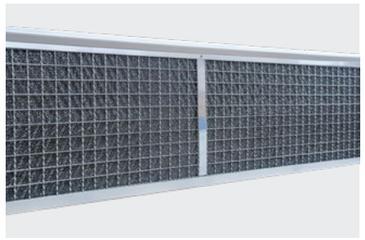
HKN/D 10–50 (STANDARD)

- Polyurethane filter
- 15-25 pores per inch



HKN/D 200–1400 (STANDARD)

- Filter material: 100% polyester, mechanically progressive
- Flame-retardant, Class F1 according to DIN 53438-3
- Air filter Class G3 according to EN 779



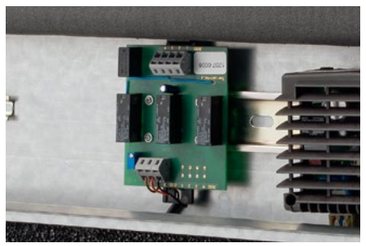
HKN/D 200–1400 (OPTIONAL)

- Special filters available, including metal mesh filters, filters with plastic frames, and filter replacement frames
- Higher filter classes G4 and M5 are also available

Air filter selection should be carried out in accordance with applicable standards, such as VDI 6022.

ALARM AND CONTROL FUNCTIONS

For a wide range of applications and signalling requirements, Walter Roller offers optional control boards.

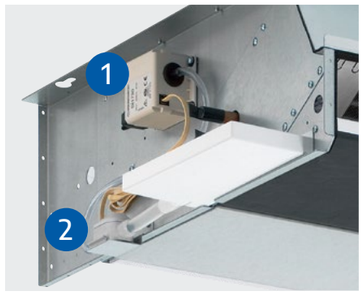


AVAILABLE CONTROL BOARDS

- EC fan status/fault indication (potential-free contact)
- Control board for EC centrifugal fans, 3-speed operation (for on-site control of EC fans in three speed stages)
- DET level probe for monitoring the condensate level

CONDENSATE PUMPS

If condensate generated during cooling operation cannot be drained by natural gravity, high-quality condensate pumps specifically matched to the air conditioning units are available.



HKN/D 10–50 & 200–700

- Maximum pumping head: 10 m
- Maximum flow rate: 20 l/h 230 V AC, 50/60 Hz
- Power consumption: 14 W Sound pressure level: < 20 dB(A) at a distance of 1 m

HKN/D 800–1400

- Max. pumping head: 13 m
- Max. flow rate: 30 l/h
- Supply voltage: 230 V AC, 50 Hz
- Power consumption: 21 W Sound pressure level: < 34 dB(A) at 1 m distance

The condensate pump 1 including float switch 2 is factory-mounted on the unit but not electrically connected. Condensate drainage must be ensured even when the air conditioning unit is switched off.

ELECTRIC HEATER

The electric heater requires a minimum fan speed limit to ensure safe operation.

HEATING ELEMENT FOR HKN/D 200-700

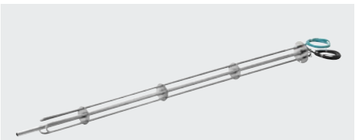
Up to two heating elements are mounted in the air discharge section after the heat exchanger, including two temperature limiters and one contactor, wired to terminals in the control box.

When operating the HKN/D 200-700 without a housing, a heat-resistant contact guard must be provided on site at the air outlet.



HEATING ROD FOR HKN/D 800-1400

Three electric heating rods mounted upstream of the heat exchanger in the direction of airflow, including two manual-reset safety temperature limiters and one contactor, wired to terminals in the control box.



More Service.
More Performance.
More Partnership.

MADE IN GERMANY

QUALITY CONTROL PASSED

... IS MORE THAN JUST A PROMISE OF QUALITY TO US

- Use of premium-quality materials, primarily sourced from leading German manufacturers
- Robust products offering maximum energy efficiency and long service life
- Fast processing times for the shortest possible lead times
- A quality manufacturer with exceptional flexibility
  Reliable and fast spare parts availability
- 80 years of strong commitment to our customers

80 YEARS EST. 1946 OF INNOVATION

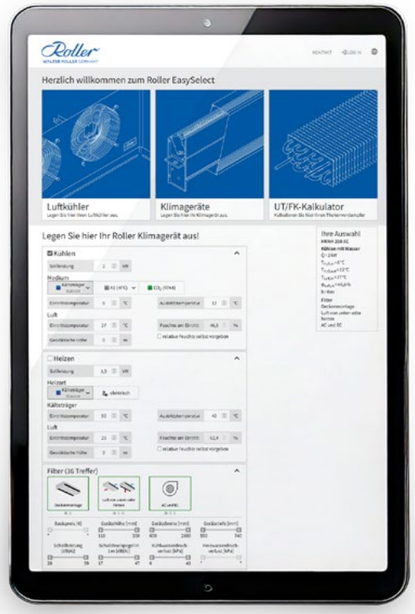


SHORT-TERM AVAILABILITY GUARANTEED!

- The Roller Logistics Centre keeps air coolers permanently in stock for you
- 2,000 units available from stock
- 2-3 days delivery time for stock unit
- 24/7 online stock availability check
- Well-stocked spare parts warehouse

Roller EASYSELECT

SOFTWARE FOR THE CALCULATION OF AIR COOLERS AND AIR CONDITIONING UNITS, AS WELL AS THE CALCULATION OF DISPLAY CASE EVAPORATORS

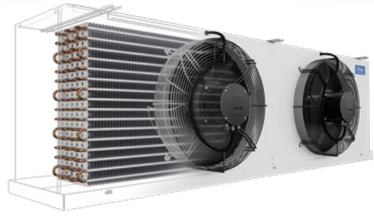


EasySelect provides precise thermodynamic calculation of air coolers and air conditioning units

- Tailor-made unit designs and sizes for your air cooler application
- Clear product ranges for every refrigerant and secondary fluid

A1 A2L A3 CO_2 H_2O

MultiRef CO_2Oler H_2OCooler

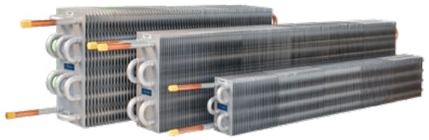


- Clear and intuitive user interface
- All technical data at a glance
- Calculations completed within seconds with just a few clicks
- Pricing information for calculated units
- Available online and offline
- Optional desktop installation directly from the browser
- Optimised for mobile devices, including optional app installation directly from the browser



EasySelect for the Calculation of Display Case Evaporators

- Tailor-made designs and dimensions for every refrigerated display case application
- Precise calculation in height and depth increments of 35 mm or 50 mm
- Millimetre-accurate length calculation
- Custom heat exchanger manufacturing with guaranteed short lead times, even for batch size 1



Learn more about
Roller EasySelect at:

www.walterroller.com/software

For **Standard Air Coolers**

For **Display Case Evaporators**

WALTER ROLLER GERMANY

Walter Roller GmbH & Co.
Manufacturer of HVAC & R Units

Lindenstr. 27-31
70839 Gerlingen
GERMANY

Phone: +49 (0) 7156 2001 0
info@walterroller.de

www.walterroller.com

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