

# LOCAL AIR-CONDITIONERS

Ready to use anytime, anywhere

## Local air-conditioners

Compact design | split design

## Monobloc air-conditioners

Wall chests without outdoor unit



Issue 2021



# AIR-CONDITIONERS

Create a room climate for your well-being

## Air-conditioning comfort for "feel good" rooms

Heat and humid air reduce human performance and concentration. Air-conditioners from REMKO offer a cure. They cool and dehumidify the air in the room and ensure a feeling of well-being in office buildings, doctors offices, boutiques, galleries, holiday apartments, living rooms, bedrooms and anywhere where a comfortable room climate is essential.

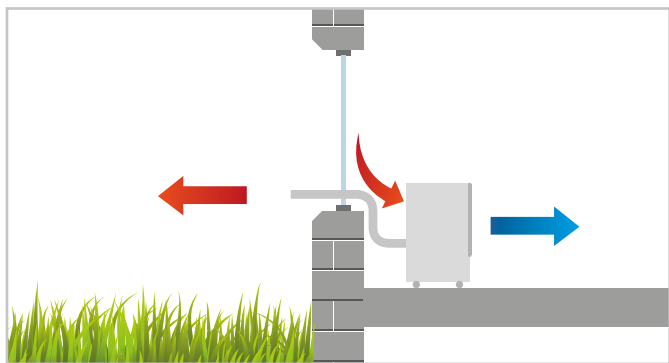
## Cooling capacity

The following rule of thumb applies when calculating the cooling capacity:

Approximately 30 W of cooling capacity are required per cubic meter. The cooling capacity for a room with a surface area of 28 m<sup>2</sup> and height of 2.5 m can be calculated as follows:

$$28 \text{ m}^2 \times 2.5 \text{ m} \times 30 \text{ W/m}^3 = 2,100 \text{ Watt (2.1 kW)}$$

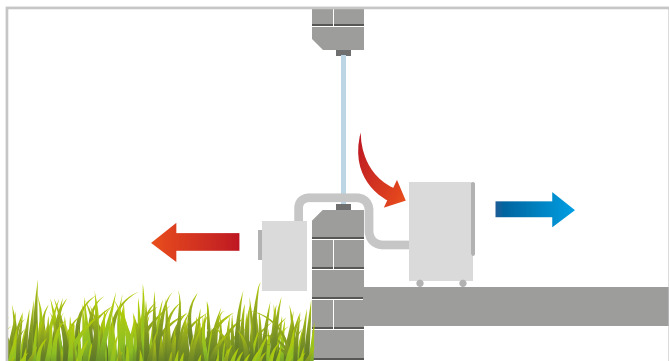
We recommend that you always calculate the cooling capacity for the room precisely.



## Compact air conditioners

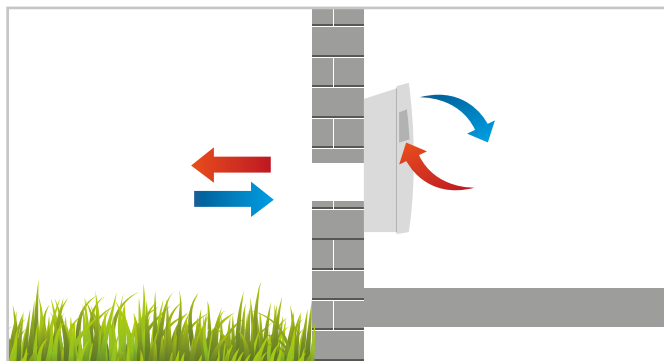
Local units are ideal for spot cooling. The condenser, compressor and evaporator reside in a compact housing.

The intake air is filtered and dehumidified and resupplied to the room. A flexible air outlet tube guides the heat to the outside. You only have to slightly open a door or a window. The moisture is expelled to the outside through the air outlet tube as vaporized condensate water.



## Air-conditioner in split design

These air-conditioners consist of units that are located in different places. The condenser unit (outdoor unit) and the evaporator unit (indoor unit) were designed to be separate. The outdoor unit is set up outside, on a balcony, or on the terrace. The two units are connected to one another by a connection line.



## Monobloc air-conditioner without outdoor unit

The compact air-conditioner uses 2-hose technology and therefore needs no outdoor unit. The air flows through an air duct. The Monobloc air-conditioner is flexible in every possible application.



## CONTENTS

Page	Local air-conditioners	Series
2-3	A room climate for your well being	
4-5	Compact design	MKT Eco
6-7	Compact design	RKL Eco
8-9	Split design DC inverter	RKL DC
10-11	Monobloc air-conditioners Wall chests without outdoor unit	KWT DC



# REMKO MKT ECO SERIES

Local air conditioners in a compact design



## REMKO MKT ECO SERIES

**Ready to use anytime, anywhere - no installation needed**

The MKT Eco series mobile air conditioner is ideal if you need a flexible air-conditioning solution. The S-Line series convinces with its modern optics in a trendy silver colour. This unit, with its four wheels and flexible air outlet hose, can be used anywhere. You just need a place to plug it in. Its high cooling capacity ensures that heat remains outside. All functions are controlled electronically.

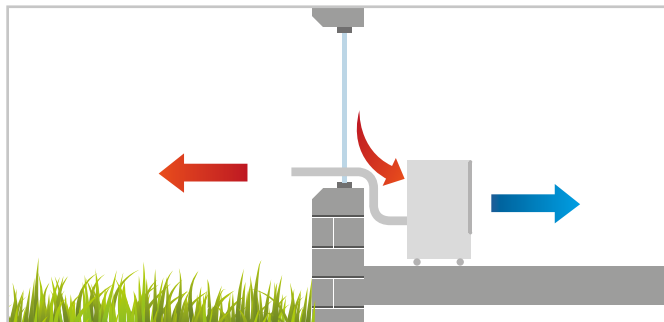
- High cooling capacity
- Ready for immediate operation
- Digital display of temperature and timer time
- Programmable timer function for activation and deactivation times
- Lightweight, requiring minimum space for setup
- Environment-friendly refrigerant R290
- Removable air filter
- 3 selectable fan speeds
- Two independently operating fan motors
- With infrared remote control in the standard version
- Automatic condensate removal
- Compact design
- Storage compartment for remote control
- Display of operating state by LED



Protective cover with integrated lockable pocket and additional compartment for stowing accessories – optionally available



Practical storage compartment for the supplied remote control.



The intake air is filtered, dehumidified and cooled and then re-supplied to the room. As soon as the desired room temperature is reached, the fresh air fan switches off. Regardless, the indoor fan constantly circulates the room air. A flexible air outlet tube conducts heat and moisture to the outside. You only have to slightly open a door or a window.





## Technical data

Unit type		MKT 255 Eco	MKT 295 Eco
Cooling capacity	kW	2.6	2.9
Energy efficiency class		A	A
Energy efficiency size EER		2.6	2.6
Energy consumption, hourly	kWh	1.0	1.1
Refrigerant <sup>2)</sup>		R290	R290
Basic filling volume / CO <sub>2</sub> equivalent	kg/t	0.3/0.0	0.3/0.0
Fan speeds		3	3
Air flow rate per speed setting	m <sup>3</sup> /h	230/290/325	260/330/340
Max. dehumidification capacity	l/h	2.5	3.0
Usage area (room size) approx.	m <sup>3</sup>	80	90
Sound pressure level per speed setting <sup>1)</sup>	dB(A)	49/50/51	49/50/51
Max. sound power level	dB(A)	65	65
Voltage supply	V/Ph/Hz	230/1~/50	230/1~/50
Power consumption	kW	1.0	1.1
Air outlet tube, length	mm	1500	1500
Air outlet tube Ø	mm	150	150
Dimensions - height/width/depth	mm	745/455/395	745/455/395
Weight	kg	30.5	32.0
<b>Compact unit colour white</b>			
Ref. no.		1616255	1616295
<b>Compact unit S-Line colour silver</b>			
Ref. no.		1616256	1616296

<sup>1)</sup> Distance of 1 m in the open air <sup>2)</sup> GWP = 3

## Accessories

Unit type	MKT 255 Eco	MKT 295 Eco
<b>Wall lead-through</b>		
For air outlet tube	1613112	1613112
<b>Protective cover for local air conditioners</b>		
With integrated lockable pocket and additional compartment for stowing accessories	1613106	1613106

# REMKO RKL ECO SERIES

Local air conditioners in a compact design



## REMKO RKL ECO SERIES

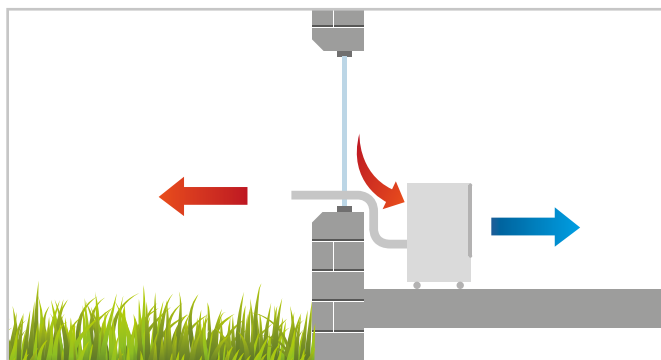
### High-performance spot cooler

Working and living areas can be cooled in a targeted manner using the mobile air conditioners RKL 300 Eco and RKL 360 Eco. The S-Line series convinces with its modern optics in a trendy silver colour. The condenser, compressor, and evaporator reside in a compact housing in the case of these small, flexible air-conditioners.

- High cooling capacity
- Ready for immediate operation
- Compact design
- Environment-friendly refrigerant R290
- Easy and efficient automatic dehumidification
- Practical electronic system for operation with digital display of temperature and other operating modes, air outlet with swing function
- Removable air filter
- Two independently operating fan motors
- Gradually adjustable air outlet direction
- Automatic condensate removal
- With infrared remote control in the standard version
- Programmable 24-hour timer function



Protective cover with integrated lockable pocket and additional compartment for stowing accessories – optionally available



The intake air is filtered, dehumidified and cooled and then re-supplied to the room. As soon as the desired room temperature is reached, the fresh air fan switches off. Regardless, the indoor fan constantly circulates the room air. A flexible air outlet tube conducts heat and moisture to the outside. You only have to slightly open a door or a window.



## Technical data

Unit type		RKL 300 Eco	RKL 360 Eco
Cooling capacity	kW	3.1	3.5
Energy efficiency class		A	A
Energy efficiency size EER		3.0	2.9
Energy consumption, hourly	kWh	1.0	1.2
Refrigerant <sup>2)</sup>		R290	R290
Basic filling volume / CO <sub>2</sub> equivalent	kg/t	0.22/0.00	0.25/0.00
Fan speeds		3	3
Air flow rate per speed setting	m <sup>3</sup> /h	280/340/410	280/340/410
Exhaust air flow rate	m <sup>3</sup> /h	410	410
Max. dehumidification capacity	l/h	1.14	1.65
Usage area (room size) approx.	m <sup>3</sup>	90	100
Sound pressure level per speed setting <sup>1)</sup>	dB(A)	48/50/52	49/51/53
Max. sound power level	dB(A)	64	65
Voltage supply	V/Ph/Hz	230/1~/50	230/1~/50
Power consumption	kW	1.0	1.2
Air outlet tube, length	mm	1500	1500
Air outlet tube Ø	mm	150	150
Dimensions - height/width/depth	mm	840/450/380	840/450/380
Weight	kg	38.0	38.0
<b>Compact unit</b> colour white			
Ref. no.		1616300	1616360
<b>Compact unit S-Line</b> colour silver			
Ref. no.		1616301	1616361

<sup>1)</sup> Distance of 1 m in the open air <sup>2)</sup> GWP = 3

## Accessories

Unit type	RKL 300 Eco	RKL 360 Eco
<b>Wall lead-through</b>		
For air outlet tube	1613118	1613118
<b>Protective cover for local air conditioners</b>		
With integrated lockable pocket and additional compartment for stowing accessories	1613106	1613106

# REMKO RKL DC SERIES

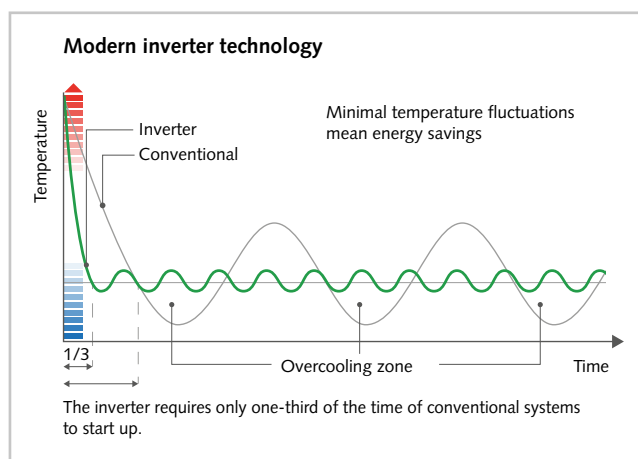
Local air-conditioners in a split design



## REMKO RKL DC SERIES

### High cooling capacity

The REMKO air-conditioner in a split design consists of a condenser unit (outdoor unit) and an evaporator unit (indoor unit). The inverter technology provides maximum comfort as temperature fluctuations in exiting air are reduced to a minimum. All units in the series are equipped with a suspension unit which allows it to be attached to an outside wall. The S-Line series convinces with its modern optics in a trendy silver colour.



- Inverter technology
- Refrigerant, total length 3 m, removable using quick coupling system
- Programmable 24-hour timer function
- Air outlet with swing function
- Gradually adjustable air outlet direction
- Removable air filter
- Practical electronic system for operation with digital display of temperature and other operating modes
- Universal use
- Compact design requiring minimum space for setup
- With infrared remote control in the standard version
- Integrated condensate pump





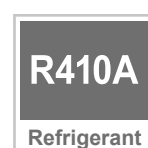
## Technical data

<b>Unit type</b>		<b>RKL 495 DC</b>
Cooling capacity	kW	4.3 (1.8-4.6)
Energy efficiency class		B
Energy efficiency size EER		4.7
Energy consumption, annual, Q <sub>CE</sub>	kWh	318
Refrigerant <sup>3)</sup>		R32
Basic filling volume / CO <sub>2</sub> equivalent	kg/t	0.97/0.66
Cooling power consumption	kW	1.37
Usage area (room size) approx.	m <sup>3</sup>	120
Operating range – indoor unit	°C	+16 to +30
Operating range - outdoor unit	°C/% rel. hum.	+21 to +43 / 35 to 65
Indoor unit air flow rate per speed setting	m <sup>3</sup> /h	350/450/550
Outdoor unit air flow rate per speed setting	m <sup>3</sup> /h	750/930
Sound pressure level of indoor unit per speed LpA <sup>1)</sup>	dB(A)	47/50/54
Max. sound power indoor unit/outdoor unit	dB(A)	57/62
Voltage supply	V/Ph/Hz	230/1~/50
Length of the refrigerant line, max. <sup>2)</sup>	mm	3000
Refrigerant line diameter	mm	39
Dimensions of indoor unit, height/width/depth	mm	695/470/335
Dimensions of outdoor unit, height/width/depth	mm	490/510/230
Weight – indoor/outdoor unit	kg	38.0/12.0
<b>Split unit</b> colour white		
Ref. no.		1616495
<b>Split unit S-Line</b> colour silver		
Ref. no.		1616496

<sup>1)</sup> Distance 1 meter in open air    <sup>2)</sup> Usable length 2,300 mm    <sup>3)</sup> GWP = 675

# REMKO KWT DC SERIES

Monobloc air-conditioners | Wall chests without outdoor units for cooling and heating



## REMKO KWT DC SERIES

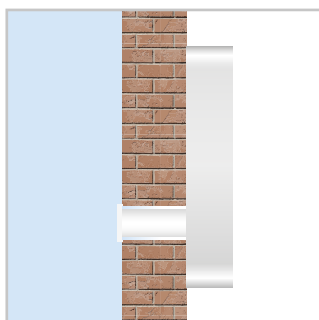
### Easy installation and high energy efficiency due to inverter technology

The compact air-conditioner of the KWT series persuades through state-of-the-art inverter technology. In the process, it does not need an outdoor unit. For installation, only two holes are required in the wall. Thanks to the integrated heat pump function, the air-conditioner works reliably in cooling and heating operation at outdoor temperatures down to  $-5^{\circ}\text{C}$ . The unit is provided ready for plug-in with all mounting materials. This makes installation especially easy and flexible.

- Easy wall installation
- Inverter air-conditioner without outdoor unit
- Immediately ready for operation  
Plug-and-play – ready for plug-in
- Programmable 24-hour timer function
- With infrared remote control and integrated touch display in the standard version
- 3 fan speeds and automatic operation
- Air outlet with swing function



Subdued 2-hose technology replaces the outdoor unit



Easy wall installation without outdoor unit



Stainless steel air inlet/outlet grille set, round design



Stainless steel air inlet/outlet grille set, rectangular design



## Technical data

Unit type		KWT 240 DC
Cooling capacity	kW	2.35 (0.9-3.1)
Energy efficiency class - cooling		A+
Energy efficiency size EER		3.22
Heating capacity	kW	2.36 (1.1-2.7)
Energy efficiency class - heating		A
Energy efficiency size COP		3.28
Refrigerant <sup>1)</sup>		R410A
Basic filling volume / CO <sub>2</sub> equivalent	kg/t	0.56/1.17
Cooling / heating power consumption	kW	0.73/0.72
Usage area (room size) approx.	m <sup>3</sup>	80
Adjustment range	°C	+16 to +31
Operating range, cooling	°C	-5 to +43
Operating range, heating	°C	-5 to +24
Recirculating air flow rate per speed setting	m <sup>3</sup> /h	270/320/400
Sound pressure level (min. - max.) <sup>2)</sup>	dB(A)	27-41
Max. sound power	dB(A)	58
Voltage supply	V/Ph/Hz	230/1~/50
Diameter of air channel	mm	160
Max. length of air channel	m	1
Condensate drain connection Ø	mm	15
Dimensions - height/width/depth	mm	555/1030/170
Weight	kg	49.0
Ref. no.		1609240

<sup>1)</sup> GWP = 2088    <sup>2)</sup> According to standard EN 12102

## Accessories

Unit type		KWT 240 DC
<b>Stainless steel air inlet/outlet grille set, round</b>		
Including insect screen for air inlet/outlet		1609249
<b>Stainless steel air inlet/outlet grille set, rectangular</b>		
Including insect screen for air inlet/outlet		1609250
<b>Cover for the bottom of the unit</b>		
for mounting onto the upper wall area		1609248

# REMKO QUALITY WITH SYSTEMS

Climate | Heating | New energies

**REMKO GmbH & Co. KG**  
**Air-Conditioning and Heating Technology**

Im Seelenkamp 12  
32791 Lage

Phone +49 (0) 5232 606-0  
Fax +49 (0) 5232 606-260

E-mail [info@remko.de](mailto:info@remko.de)  
Internet [www.remko.de](http://www.remko.de)

**Hotline within Germany**  
+49 (0) 5232 606-0

**International hotline**  
+49 (0) 5232 606-130

