

AIR-CONDITIONING

*Compact-design
Split-design*

Version 2011/2012



REMKO – THE CUSTOMER ORIENTATED SYSTEM PROVIDER FOR THE WHOLE YEAR



Quality with systems

AIR-CONDITIONING

Air-conditioners

Portable air-conditioners
Wall units - cassettes

Chilled water systems

Chillers



HEATING

Warm air heating systems

Mobile and stationary heaters
Oil - gas - electric



NEW ENERGIES

Heat-pumps

Inverter heat-pumps
Heat pump packages




DEHUMIDIFICATION

Dehumidifier

Mobile dehumidifiers
Professional dehumidifiers
Pool dehumidifiers





Product overview *Air-conditioners*

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AIR-CONDITIONIONERS

Create a pleasant environment



Heat and humid air adversely affect people's capacity and concentration. Air-conditioning units 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 environment is essential.

Cooling capacity

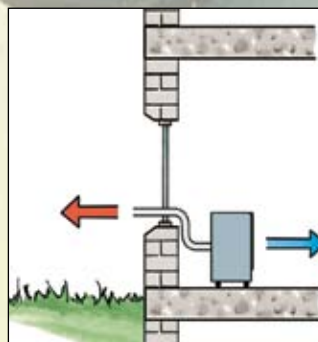
The following rule of thumb applies when calculating the cooling capacity: approximately 30 W of cooling capacity are required per cubic meter. The cooling capacity for a room with a surface area of 28 m² which is 2.5 m high, can be calculated as follows:

$$28 \text{ m}^2 \times 2.5 \text{ m} \times 30 \text{ W/m}^3 = 2.000 \text{ W (2.0 kW)}$$

We recommend to always calculate the cooling capacity for the room precisely.

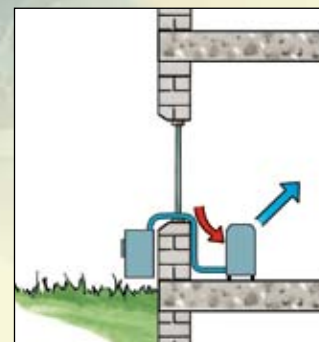
Installation and initial operation

The portable air-conditioning units can be easily set up and put into operation. A technician is required to install and put a stationary air-conditioning unit into operation.



Compact air-conditioners

So called compact 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 hose 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 hose as vaporized condenswater.



Split-design and multisplit-design air-conditioners

These air-conditioners consist of units that are located in different places. The condenser (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. Two, three or four indoor units can be connected to the outdoor units of the multisplit-design air-conditioners.

Cooling which gets to the point

VERONA SERIES

**Portable air-conditioner,
compact-design**



REMKO MKT 250/290

REMKO MKT 250/290 *S-LINE*

Ready to use anywhere

No installation needed

The MKT Series portable air conditioner is ideal if you need a flexible air-conditioning solution. The *S-LINE* assured by 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
- Digital display of temperature and timer
- Programmable timer functions for activation and deactivation of operating time
- Light-weight and requiring minimum space for setup
- Removable air filter
- 3 fan speeds
- standard infrared remote controller
- Automatic condenswater removal
- Compact design
- LED display for the different operating modes



Technical data

Model		MKT 250	MKT 290 ²⁾
Cooling capacity	kW	2,6	2,9
Circulating air volume	m ³ /h	320	320
Fan speeds		3	3
Energy efficiency class		A	A
Yearly cooling energy consumption - 500 h	kWh	515	545
Dehumidification capacity max.	l/h	1,6	1,8
Operational area (size of) approx.	m ³	80	90
Sound pressure level per speed ¹⁾	dB(A)	49/51/55	49/51/55
Power supply	V/Hz	230/1~/50	230/1~/50
Power consumption	kW	1,03	1,09
Air outlet hose, length	mm	1500	1500
Air outlet hose Ø	mm	125	125
Dimensions height/width/depth	mm	770/435/430	770/435/430
Weight	kg	32	33
Compact unit			
Ref. No. Colour: white		1612250	1612290
Compact unit <i>S-LINE</i>			
Ref. No. Colour: silver		1612251	1612291
Accessories			
Wall lead-through for air outlet hose			
Ref. No.		1613115	1613115

1) Distance 1 meter under free field conditions

2) Available from May 2011



flexible use



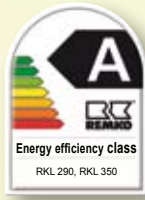
Infrared remote controller



integrated filter-system

IBIZA SERIES

Portable air-conditioner, compact-design



REMKO RKL 290/350 REMKO RKL 290/350 *S-LINE*

Powerful spot-cooler

You can efficiently cool working and living areas with the portable RKL 290 and RKL 350 air-conditioning units. The *S-LINE* assured by its modern optics in a trendy silver colour. In these small, flexible air-conditioners, the condenser, compressor and evaporator all reside in a compact housing.

- Removable air filter
- Gradually adjustable air outlet direction
- Compact design
- standard infrared remote controller
- Programmable 24-hour timer function

- High cooling capacity
- Ready for immediate operation
- Easy and efficient automatic dehumidification
- Practical electronic system for operation with digital display of temperature and other operating modes
- Air outlet with swing function



Technical data

Model		RKL 290	RKL 350
Cooling capacity	kW	2,9	3,5
Circulating air volume	m ³ /h	430	450
Fan speeds		3	3
Energy efficiency class		A	A
Yearly cooling energy consumption - 500 h	kWh	560	655
Dehumidification capacity max.	l/h	1,9	2,0
Operational area (size of) approx.	m ³	90	100
Sound pressure level per speed*	dB(A)	49/51/52	49/51/52
Power supply	V/Hz	230/1~/50	230/1~/50
Power consumption	kW	1,12	1,31
Air outlet hose, length	mm	1250	1250
Air outlet hose Ø	mm	125	125
Dimensions height/width/depth	mm	840/450/380	840/450/380
Weight	kg	35	35
Compact unit			
Ref. No. Colour: white		1615290	1615350
Compact unit <i>S-LINE</i>			
Ref. No. Colour: silver		1615291	1615351
Accessories			
Wall lead-through for air outlet hose			
Ref. No.		1613118	1613118

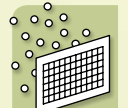
*Distance 1 meter under free field conditions



Flexible use



Infrared remote controller



Integrated filter-system

SERIES PALMA



Portable air-conditioner, split-design



REMKO RKL 460/480 REMKO RKL 480 *S-LINE*

Ideal - cools and dehumidifies, powerful and quietly

The REMKO split-design air-conditioner consists of two units. The condenser (outdoor) and the evaporator unit (indoor) were designed to be separate. The condenser unit is set up outside. All units in the Series are equipped with a suspension unit which allows it to be attached to an outside wall.

The *S-LINE* assured by its modern optics in a trendy silver colour.

- Very high cooling capacity
- Refrigerant line, 3 m long, can be detached by a quick coupling system
- Practical electronic system for operation with digital display of temperature and other operating modes
- Programmable 24-hour timer function
- Air outlet with swing function
- Removable air filter
- Gradually adjustable air outlet direction
- Universal operation
- Compact design requiring minimum space for setup
- standard infrared remote controller
- Integrated condenswater-pump



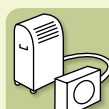
Technical data

Model		RKL 460	RKL 480
Cooling capacity	kW	4,2	4,8
Circulating air volume	m ³ /h	640	680
Fan speeds		3	3
Energy efficiency class		B	B
Refrigerant		R410A	R407C
Yearly cooling energy consumption - 500 h	kWh	685	805
Operational area (size of) approx.	m ³	120	140
Sound pressure level per speed, indoor unit *	dB(A)	48/50/52	48/50/52
Sound pressure level outdoor unit*	dB(A)	51	51
Power supply	V/Hz	230/1~/50	230/1~/50
Power consumption	kW	1,37	1,61
Length of the connection line	mm	3000	3000
Dimensions indoor unit h/w/d	mm	695/470/335	695/470/335
Dimensions outdoor unit h/w/d	mm	490/510/230	490/510/230
Weight	kg	35/13	36/13
Split-design			
Ref. No. Colour: white		1613460	1613480
Split-design <i>S-LINE</i>			
Ref. No. Colour: silver		-	1613481

*Distance 1 meter under free field conditions



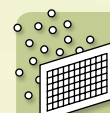
Flexible use



Split-design



Infrared remote controller



Integrated filter-system

SERIES PALMA DC

Portable air-conditioner in split-design with inverter technology

REMKO RKL 490 DC REMKO RKL 490 *S-LINE*

For the very first time, modern inverter technology has been used with a mobile room air-conditioning unit as part of a split-design. The result is high efficiency and lower noise level. The inverter technology helps to ensure optimum levels of comfort by reducing the temperature variation of the discharged air to an absolute minimum.

The REMKO split-design air-conditioner consists of two units. The condenser (outdoor) and the evaporator unit (indoor) were designed to be separate. The condenser unit is set up outside. All units in the Series are equipped with a suspension unit which allows it to be attached to an outside wall.

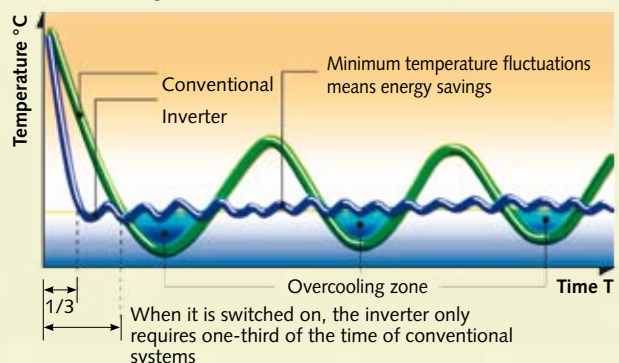
The *S-LINE* assured by its modern optics in a trendy silver colour.

- Inverter technology
- Very high cooling capacity
- Refrigerant line, 3 m long, can be detached by a quick coupling system
- Practical electronic system for operation with digital display of temperature and other operating modes
- Programmable 24-hour timer function
- Compact design requiring minimum space for setup
- Air outlet with swing function
- standard infrared remote controller
- Removable air filter
- Integrated condensate-water-pump
- Gradually adjustable air outlet direction
- Universal operation

Portable air-conditioner with inverter technology



Inverter diagram



Mobile cooling efficiency



Technical data

Model		RKL 490 DC
Cooling capacity	kW	3,8 (1,8 - 4,7)
Circulating air volume	m ³ /h	620
Fan speeds		3
Energy efficiency class		A
Yearly cooling energy consumption - 500 h	kWh	575
Operational area (size of) approx.	m ³	120
Sound pressure level per speed, indoor unit *	dB(A)	45/48/52
Sound pressure level outdoor unit*	dB(A)	51
Power supply	V/Hz	230/1~/50
Power consumption	kW	1,15
Length of the connection line	mm	3000
Dimensions indoor unit h/w/d	mm	695/470/335
Dimensions outdoor unit h/w/d	mm	490/510/230
Weight	kg	34/14
Split-design		
Ref. No. Colour: white		1613490
Split-design S-LINE		
Ref. No. Colour: silver		1613491



*Distance 1 meter under free field conditions



Inverter technology



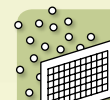
Flexible use



Split-design



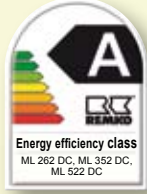
Infrared remote controller



Integrated filter-system

MALAGA SERIES DC

High wall units, split-design



REMKO ML DC

Simple installation above doors or against the ceiling for example

The units cool, filter and de-humidify the humid air in the room. The outdoor unit can be set up individually. On the ground, mounted on the wall, on the roof or in well-ventilated areas.

The inverter technology used in the REMKO ML DC range guarantees a comfortable room climate in combination with low energy costs. The integrated inverter-condenser modulates and thereby ensures minimal temperature fluctuation.

- Inverter technology saves on energy costs
- Automatic restart after power failure

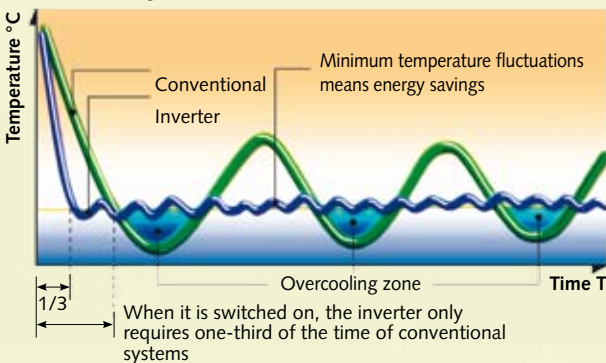
- Weather-resistant outdoor unit
- Microprocessor controlled system technology
- Air outlet with swing function
- Removable air filter
- Programmable 24-hour timer function
- Quiet operation
- Universal operation with max. 25 m long connecting lines

Accessories (see Page 14)

- Refrigerant lines
- Wall- and floor brackets
- Condenswater pump



Inverter diagram



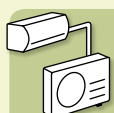
The powerful multi-user solution



Technical data

Model		ML 262 DC	ML 352 DC	ML 522 DC
Cooling capacity	kW	2,6 (0,7-3,5)	3,5 (0,7-4,0)	5,2 (1,5-6,4)
Heating capacity	kW	3,1 (0,7-3,7)	4,2 (0,8-4,7)	5,9 (1,5-6,7)
Energy efficiency class Cooling		A	A	A
Energy efficiency class Heating		A	A	A
Yearly cooling/heating energy consumption - 500 h	kWh	405/405	535/585	810/820
Operational area (size of) approx.	m ²	80	110	160
Circulating air volume indoor unit max.	m ³ /h	500	550	800
Fan speeds		3	3	3
Operating range indoor unit	°C	+16 to +31	+16 to +31	+16 to +31
Operating range outdoor unit	°C	+5 to +50	+5 to +50	+5 to +50
Sound pressure level per speed, indoor unit*	°C	-7 to +25	-7 to +25	-7 to +25
Sound pressure level outdoor unit*	dB(A)	29/34/39	31/37/40	37/39/42
Power supply	dB(A)	50	51	54
Power consumption	V/Hz	230/1~/50	230/1~/50	230/1~/50
Connection refrigerant pipes-liquid	kW/A	0,81/3,7	1,07/4,4	1,62/7,09
Connection refrigerant pipes-suction	kW/A	0,81/3,6	1,17/4,5	1,64/7,25
Length of the refrigerant line length/height	Inches	¼	¼	¼
Dimensions indoor unit h/w/d	Inches	¾	½	½
Dimensions outdoor unit h/w/d	m	20/8	20/8	25/10
Weight indoor unit/outdoor unit	mm	275/790/190	275/790/190	275/940/200
Dimensions outdoor unit h/w/d	mm	590/760/270	590/760/270	590/760/270
Weight indoor unit/outdoor unit	kg	8,5/38	8,5/39	11/39,5
Compact unit				
Ref. No.		1632262	1632352	1632522

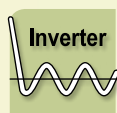
*Distance 1 meter under free field conditions



Single split system



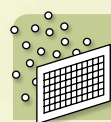
Cooling and heating



Inverter technology



Infrared remote controller



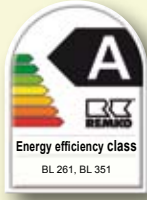
Integrated filter-system



Automatic power failure restart

BOLOGNA SERIES

Wall-mounted room air conditioning units with quick-release coupling



REMKO BL

The entire system in split design

With the quick-release coupling, the installation of the units is problem-free. The devices cool, filter and dehumidify humid air in the room. The outdoor component can be individually positioned. Outdoors on the ground, mounted on a wall, on the roof or in well-ventilated rooms.

With the possibility of extending the refrigerant by 3 m or 8 m, the units can be used very flexibly.

- Automatic restart after power failure
- Weather-resistant outdoor unit
- Microprocessor controlled system technology

- Air outlet with swing function
- Removable air filter
- Programmable 24-hour timer function
- Quiet operation
- Including 2 m refrigerant pipe with quick-release coupling

Accessories (see Page 14)

- Extension set, including quick-release coupling available with lengths of 3 m and 8 m
- Wall- and floor brackets
- Condenswater pump



Simple installation with quick-release coupling system

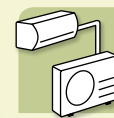


The easy-to-install air conditioning solution



Technical data

Model		BL 261	BL 351
Cooling capacity	kW	2,6	3,5
Heating capacity	kW	2,9	4,2
Energy efficiency class cooling		A	A
Energy efficiency class heating		A	A
Yearly cooling energy consumption - 500 h	kWh	405	555
Operational area (size of) approx.	m ²	80	110
Circulating air volume indoor unit max.	m ³ /h	420	520
Fan speeds		3	3
Operating range indoor unit	°C	+15 to +31	+15 to +31
Operating range outdoor unit cooling	°C	+7 to +48	+7 to +48
Operating range outdoor unit heating	°C	-7 to +25	-7 to +25
Sound pressure level per speed, indoor unit*	dB(A)	30/34/38	32/36/40
Sound pressure level outdoor unit*	dB(A)	52	53
Power supply	V/Hz	230/1~/50	230/1~/50
Power consumption cooling	kW/A	0,81/3,6	1,11/5,0
Length of the refrigerant line	m	2	2
Dimensions indoor unit h/w/d	mm	275/790/200	275/790/200
Dimensions outdoor unit h/w/d	mm	540/780/250	540/780/250
Weight indoor unit/outdoor unit	kg	8/30	10/34
Compact unit			
Ref. No.		1630365	1630360



Single split system



Cooling and heating



Extended connection line



Infrared remote controller



Integrated filter-system



Automatic power failure restart

*Distance 1 meter under free field conditions

ACCESSORIES



For connecting indoor ac units with outdoor units
For connecting static room air conditioning units for indoor use with outdoor components.

for model	Ø	Ref. No.
ML 262 DC	1/4/3/8	1613181
ML 352 DC	1/4/1/2	1613193
ML 522 DC	1/4/1/2	1613193



Wall brackets WKM-480
For securely attaching the unit to the outside wall.

for model	Ref. No.
ML 262-522 DC	1613171
BL 261-351	1613171



KP-8 Condenswater pump
This condenswater pump is suitable for connecting to Malaga Series DC and Bologna Series

for model	Ref. No.
ML 262-522 DC	1613125
BL 261-351	1613125



For connecting indoor ac units with outdoor units, 25 m ring
For connecting static room air conditioning units for indoor use with outdoor components.

	Ø	Ref. No.
25 m ring	1/4	1613055
25 m ring	3/8	1613056
25 m Ring	1/2	1613057



Floor brackets BK-500
For stable installation of outdoor components for Malaga and DC Bologna Series

for model	Ref. No.
ML 262-522 DC	1613190
BL 261-351	1613190



Condenswater hose indoor unit (loose delivery)
Suitable for connecting to condenswater pump for KP-8 and KP-6

	Ref. No.
100 m	1613065
20 m	1613066
lfdm.	1613067



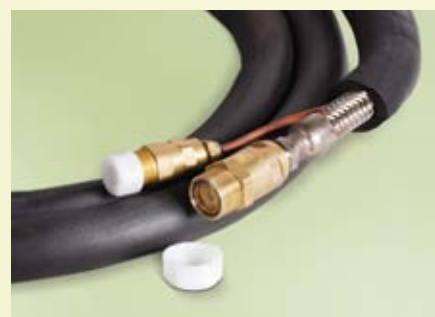
Outdoor unit condenswater hose
Suitable for 16 and 18 mm connection ports. Ivory-coloured condenswater hose with 16 mm Ø. Suitable for use with Series: ML 262-522 DC, BL 261-351

	Ref. No.
50 m	1613052
lfdm.	1613053



Cleaning material for indoor air conditioning units.
Ready-for-use cleaning agent suitable for all REMKO room air conditioning units. For cleaning and disinfecting the evaporator in indoor units.

	Ref. No.
spray bottle 750 ml	1613054



Extension set, including quick-release coupling for Bologna Series

for model	Lenght	Ref. No.
BL 261	3 m	1630375
BL 261	8 m	1630376
BL 351	3 m	1630377
BL 351	8 m	1630378



Kp-6 condenswater pump kit,
incl. cable duct for wall mounting

The kit is only intended for vertical installation and removal of condenswater through the ceiling in conjunction with wall-mounted units. The cable duct is 80 cm long.

- Compact, high-capacity condenswater pump, delivery rate: max. 10 l/h, delivery height: max. 10 m
- Protection class IP 54
- Low noise version, less than 22 dB(A)
- Cable duct in white colour
- Connection options available, left and right hand sides
- Kit is ready to install, incl. cable duct, cover angle and vibration-damped pump bracket
- Suitable for use with Series: Malaga DC, Bologna

KP-6 Condenswater-pump	Ref. No.
incl. cable duct	1613050



Flush-mounted box
Condenswater tray with condenswater connection

- White plastic housing for flush mounting, incl. cover plate and condenswater connection port
- Also ideally suited for accommodating an external condenswater pump, e.g. REMKO KP-8
- The condenswater connection and pipe inlet can come from left and right hand sides
- Suitable for use with Series: Malaga DC, Bologna
- Dimensions:
Length Interior/Exterior 500/540 mm
Height Interior/Exterior 70/135 mm
Depth Interior/Exterior 45/55 mm

Flush-mounted box,	Ref. No.
incl. condenswater tray	1613051



"AIR CONDITIONING" service tool box set
Consisting the Air Conditioning 1 + Air Conditioning 2

The 34-piece REMKO Service Case set provides all the basic equipment required for installation, maintenance, commissioning and service tasks. High-quality measurement instruments such as the electronic leak detector or the Testo thermometer with air sensor and pipe layout sensor make the set a professional tool suitable for every air conditioning specialist.

- Ready to use and clearly arranged
- High quality measurement instruments
- For secure transport, the two hard-shell cases can be attached to form a single unit, using quick release fasteners.
- Also available with manometer bypass in service case set E

Service Case set	Ref. No.
Service Cases 1 + 2	1904570
Service Cases E 1 + 2	1904490



Connectors
For extending refrigerant lines. Brass components for refrigeration applications.

Ø	Ref. No.
1/4	1106385
3/8	1106386
1/2	1106387



Union nuts
For attaching refrigerant lines. Brass components for refrigeration applications.

Ø	Ref. No.
1/4	1106380
3/8	1106381
1/2	1106382



Only for refrigerant lines fitted on site:
Service fees for refilling refrigerant based on 5 m pipe length:

	Ref. No.
Single-split outdoor	992560

REMKO INTERNATIONAL

*... and somewhere near you!
Take advantage of our experience and
consulting services.*



Consulting

Through intensive training, we make sure the expert knowledge of our consultants is always up-to-date. This has given us the reputation of being more than just a good, reliable supplier: REMKO, a partner that helps solve problems.

Sales

REMKO not only provides an extensive sales network in Germany and abroad, but also unusually highly qualified sales experts. REMKO sales representatives are more than just salespeople: they must also be customer consultants in air conditioning and heating technology.

Customer care

Our devices function precisely and reliably. If a malfunction appears, however, REMKO Customer Care is on the job. Our extensive network of experienced dealers guarantees you constant, short-term, and reliable service.

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Air Conditioning and
Heating Technology

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