Assembly and operating instructions

REMKO RKL 300, RKL 300 S-Line, RKL 360, RKL 360 S-Line
Local Air Conditioner

0058-2013-07 Edition 1, en_GB

Read the instructions prior to performing any task!

Made by REMKO

Read these operating instructions carefully before commissioning / using this device!

These instructions are an integral part of the system and must always be kept near or on the device.

Subject to modifications; No liability accepted for errors or misprints!

Installation and operating instructions (translation of the original)

Table of contents

1 Safety and usage instructions

1.1 General safety notes

Carefully read the operating manual before commissioning the units for the first time. It contains useful tips and notes such as hazard warnings to prevent personal injury and material damage. Failure to follow the directions in this manual not only presents a danger to people, the environment and the system itself, but will void any claims for liability.

Keep this operating manual and the refrigerant data sheet near to the units.

1.2 Identification of notes

This section provides an overview of all important safety aspects for proper protection of people and safe and fault-free operation.The instructions and safety notes contained within this manual must be observed in order to prevent accidents, personal injury and material damage.

Notes attached directly to the units must be observed in their entirety and be kept in a fully legible condition.

Safety notes in this manual are indicated by symbols. Safety notes are introduced with signal words which help to highlight the magnitude of the danger in question.

DANGER!

Contact with live parts poses an immediate danger of death due to electric shock. Damage to the insulation or individual components may pose a danger of death.

DANGER!

This combination of symbol and signal word warns of a situation in which there is immediate danger, which if not avoided may be fatal or cause serious injury.

WARNING!

This combination of symbol and signal word warns of a potentially hazardous situation, which if not avoided may be fatal or cause serious injury.

CAUTION!

This combination of symbol and signal word warns of a potentially hazardous situation, which if not avoided may cause injury or material and environmental damage.

NOTICE!

This combination of symbol and signal word warns of a potentially hazardous situation, which if not avoided may cause material and environmental damage.

This symbol highlights useful tips and recommendations as well as information for efficient and fault-free operation.

1.3 Personnel qualifications

Personnel responsible for commissioning, operation, maintenance, inspection and installation must be able to demonstrate that they hold a qualification which proves their ability to undertake the work.

1.4 Dangers of failure to observe the safety notes

Failure to observe the safety notes may pose a risk to people, the environment and the units. Failure to observe the safety notes may void any claims for damages.

In particular, failure to observe the safety notes may pose the following risks:

- The failure of important unit functions.
- The failure of prescribed methods of maintenance and repair.
- Danger to people on account of electrical and mechanical effects.

1.5 Safety-conscious working

The safety notes contained in this installation and operating manual, the existing national regulations concerning accident prevention as well as any internal company working, operating and safety regulations must be observed.

1.6 Safety notes for the operator

The operational safety of the units and components is only assured providing they are used as intended and in a fully assembled state.

- The units and components may only be set up, installed and maintained by qualified personnel.
- Protective covers (grille) over moving parts must not be removed from units that are in operation.
- Do not operate units or components with obvious defects or signs of damage.
- Contact with certain unit parts or components may lead to burns or injury.
- The units and components must not be exposed to any mechanical load, extreme levels of humidity or extreme temperature.
- Spaces in which refrigerant can leak sufficient to load and vent. Otherwise there is danger of suffocation.
- All housing parts and device openings, e.g. air inlets and outlets, must be free from foreign objects, fluids or gases.
- The units must be inspected by a service technician at least once annually. Visual inspections and cleaning may be performed by the operator when the units are disconnected from the mains.
- The local room air conditioner is designed for flexible use in living and work spaces. Year-round operation is not recommended.
- Do not leave the appliance running for an extended period unsupervised.

1.7 Safety notes for installation, maintenance and inspection

- Appropriate hazard prevention measures must be taken to prevent risks to people when performing installation, repair, maintenance or cleaning work on the units.
- The setup, connection and operation of the units and its components must be undertaken in accordance with the usage and operating conditions stipulated in this manual and comply with all applicable regional regulations.
- Local regulations and laws such as Water Ecology Act must be observed.
- The power supply should be adapted to the requirements of the units.
- Units may only be mounted at the points provided for this purpose at the factory. The units may only be secured or mounted on stable structures, walls or floors.
- Mobile units must be set up securely on suitable surfaces and in an upright position. Stationary units must be permanently installed for operation.
- The units and components should not be operated in areas where there is a heightened risk of damage. Observe the minimum clearances.
- The units and components must be kept at an adequate distance from flammable, explosive, combustible, abrasive and dirty areas or atmospheres.
- Safety devices must not be altered or bypassed.

1.8 Unauthorised modification and changes

Modifications or changes to units and components are not permitted and may cause malfunctions. Safety devices may not be modified or bypassed. Original replacement parts and accessories authorised by the manufactured ensure safety. The use of other parts may invalidate liability for resulting consequences.

1.9 Intended use

Depending on the model, the equipment and the additional fittings with which it is equipped is only intended to be used as an air-conditioner for the purpose of cooling or heating the air in an enclosed room..

Different or additional use shall not be classed as intended use. The manufacturer/supplier assumes no liability for damages arising from an unintended use of the equipment. The user bears the sole risk in such cases.

Using the equipment as intended also includes working in accordance with the operating manual and installation instructions and complying with the maintenance requirements.

Under no circumstances should the threshold values specified in the technical data be exceeded.

1.10 Warranty

For warranty claims to be considered, it is essential that the ordering party or its representative complete and return the "certificate of warranty" to REMKO GmbH & Co. KG at the time when the units are purchased and commissioned.

The warranty conditions are detailed in the "General business and delivery conditions". Furthermore, only the parties to a contract can conclude special agreements beyond these conditions. In this case, contact your contractual partner in the first instance.

1.11 Transport and packaging

The devices are supplied in a sturdy shipping container. Please check the equipment immediately upon delivery and note any damage or missing parts on the delivery and inform the shipper and your contractual partner. For later complaints can not be guaranteed.

⚠ WARNING!

Plastic films and bags etc. are dangerous toys for children!

Why:

- Leave packaging material are not around.

- Packaging material may not be accessible to children!

1.12 Environmental protection and recycling

Disposal of packaging

All products are packed for transport in environmentally friendly materials. Make a valuable contribution to reducing waste and sustaining raw materials. Only dispose of packaging at approved collection points.

Disposal of equipment and components

Only recyclable materials are used in the manufacture of the devices and components. Help protect the environment by ensuring that the devices or components (for example batteries) are not disposed in household waste, but only in accordance with local regulations and in an environmentally safe manner, e.g. using certified firms and recycling specialists or at collection points.

2 Technical data

2.1 Unit data

Series		RKL 300	RKL 300 S-LINE	RKL 360	RKL 360 S-LINE
Operating mode		Local compact air conditioning unit for cooling			
Nominal cooling output [1]	kW	3.2		3.6	
Energy efficiency ratio - cooling		A		A	
Energy efficiency rating EER [1]		2.8		2.7	
Energy consumption, hourly	kWh/60 min	1.13		1.33	
Approx. application area (room volume)	m³	90		100	
Adjustment range indoor unit	°C	+18 - +30		+18 - +30	
Operating range - indoor unit	°C / %r.F.	+18 - +35 / +35 - +85		+18 - +35 / +35 - +85	
Refrigerant		R 410A [3]		R 410A [3]	
Refrigerant, basic capacity	kg	0.73		0.73	
Max. operating pressure / cooling cycle	kPa	1160 / 4120		1160 / 4120	
Air flow volume per stage	m³/h	360 / 410 / 450		360 / 410 / 450	
Sound pressure level per stage [2]	dB(A)	49 / 51 / 53		49 / 51 / 53	
Sound power level max.	dB(A)	61		61	
Power supply	V/Ph/Hz	230 / 1~/ 50		230 / 1~/ 50	
Enclosure class	IP	20		20	
Electr. rated power consumption [1]	kW	1.03		1.33	
Electr. rated power consumption [1] Standby operation		0,4		0.4	
Electr. rated current consumption [1]	A	5.0		5.9	
Elec. starting current max., LRA	A	21		25	
Exhaust air hose, length / diameter	mm	1500 / 140		1500 / 140	
Max. condensate pump pressure	l/h	6,0		6,0	
Dimensions - height	mm	840		840	
Dimensions - width	mm	450		450	
Dimensions - depth	mm	380		380	
Weight	kg	35.0		35.0	
Standard colour		white	silver	white	silver
Serial number		1250...	1251...	1252...	1253...
EDP no.		1615300	1615301	1615360	1615361

[1] Room air temperature TK 35 °C, FK 24 °C / [2] Distance 1m free field

[3] Contains greenhouse gas according to Kyoto protocol

3 Design and function

Unit description

The local air conditioning unit is particularly well suited to flexible use.

The local room air conditioner comprises a floor-standing unit for the indoor area and an exhaust air hose to conduct the heat away. The indoor unit extracts the heat from the room to be cooled by means of an evaporator (heat exchanger) and transfers it to the internal cooling cycle. This releases the heat back to the outside via another heat exchanger (condenser) by means of the flexible exhaust air hose.

The condensate arising during cooling mode is continually drained off via the condenser by means of a condensate pump located in the unit - the condenser evaporates the condensate and discharges it to the outside via the exhaust air hose.

The unit filters and dehumidifies the air thereby creating a comfortable room climate. It works fully automatically and offers numerous additional options thanks to its microprocessor controller. The operation of the unit can be conveniently operated by means of the infra-red remote control included.

Fig. 1: Front view

B: Air outlet, recirculation
1: Recessed grip
2: Infrared receiver
3: Ventilation louvres
4: Control panel
5: Conveyor rollers

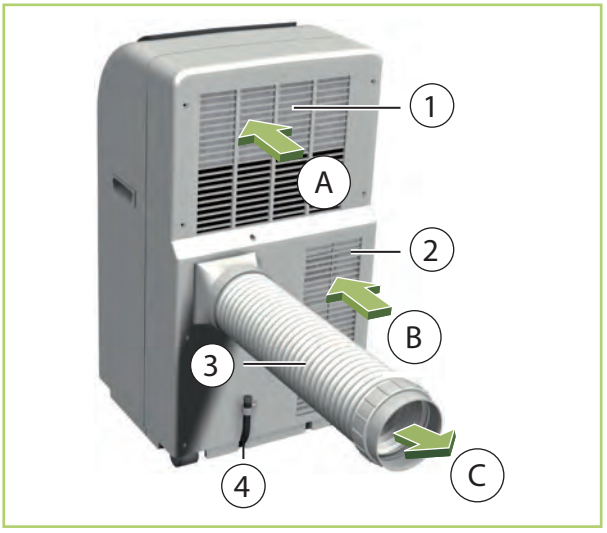

Fig. 2: Rear view

A: Air inlet, recirculation
B: Air inlet, exhaust air
C: Air outlet, exhaust air
1: Air filter, recirculation
2: Air filter, exhaust air
3: Exhaust air hose
4: Condensate drainage with stopper

4 Operation

The system can be operated by means of the control panel on the unit or via the standard infrared remote controller. The functional operation of the keys among themselves is identical, however, the designation can vary. The batteries must be correctly inserted before the infrared remote control is used.

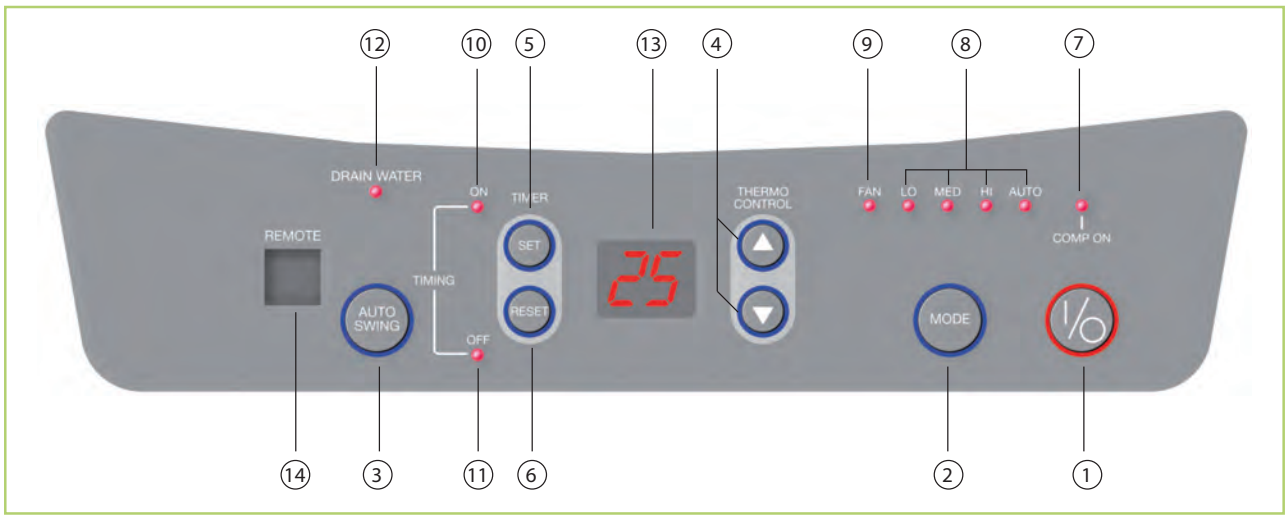

Fig. 3: Control panel

Legend

① **Key "I/O" (On/Off)**

This key switches the unit on or off.

② **Operating mode "MODE" key**

The actuation of this key allows the operator to select between one automatic and three manual fan stages in cooling mode (AUTO, HI, MED, LO) or between recirculating mode (FAN). The LEDs on the display ⑧ show the stage selected.

Adapted fan stages:

LED „AUTO“

Largest fan stage:

LED „HI“

Medium fan stage:

LED „MED“

Smallest fan stage: LED „LO“

With "AUTO" selected and with a large difference between the target room temperature set and the current room temperature, a high fan stage will be automatically selected. Conversely, with a small difference a small fan stage will be automatically selected.

③ **"AUTO SWING" key**

The distribution of the air emerging from the unit can be set with this key.

1. Key press = Continuous swing function

2. Key press = Swing function stopped

3. Key press = Continuous swing function

④ **"▲/▼" keys "THERMO CONTROL"**

By actuating the "▲/▼" keys the display changes to the programmed target temperature. This can be adjusted in a range of 18 to 30 °C in 1°C steps.

⑤ **"SET TIMER" key**

The automatic switching on or off of the unit can be activated with this key. When switched off the switch-on timer can be programmed in 1-hour steps up to 24 hours with the "SET" button. The same applies to the switch-off timer when the unit is switched on. The LEDs ⑩ and ⑪ indicate the activation.

Temperature/time adjustment

⑥ **"RESET TIMER" key**

The programmed timer can be cleared by actuating the "RESET" ⑥ key.

⑦ **"COMP. ON" key**

Cooling capacity will now only be generated whilst the compressor is active. Upon reaching the programmed target temperature, the compressor and thus the cooling capacity will be switched off. The recirculating fan however, continues to run. During compressor operation the ⑦ LED illuminates.

⑧ **Cooling mode: "AUTO, HI, MED, LO" LED**
See ②.

> **! NOTICE!**
>
> You will achieve a pleasant room temperature if you set the desired target temperature max. 4 to 7 °C below the outside temperature.

⑨ **Circulated air operation: "FAN" LED**

In this operating mode the air in the room is recirculated in the unchangeable medium stage. The unit does not cool the air.

⑩ **"TIMING ON" LED**

The switch on timer is active.

⑪ **"TIMING OFF" LED**

The switch off timer is active.

⑫ **"DRAIN WATER" display**

The condensate arising will be collected in an internal reservoir, fed to the condenser and evaporated there. The evaporated condensate will then be fed to the outside via the exhaust air hose. If the condensate cannot be fed away then a fault shut-down is initiated along with an LED ⑫ signalling this. In order to be able to use the unit again after this fault shut-down, proceed as follows:

1. Switch the unit off with the "I/0" key and pull out the power plug.

2. Place a suitable container underneath the condensate drain of the internal reservoir. The condensate drain is located on the lower centre on the rear of the unit.

3. Pull out the stopper from the condensate drain and collect the condensate that drains out.

4. Then insert the stopper once again.

⑬ **Display**

The programmed room temperature or the remaining time for the timer is shown on the display.

⑭ **"REMOTE" IR receiver**

The IR remote control should be pointed at this receiver sensor in order to guarantee the operation.

Infrared remote control

General Information

- With the unit switched on any change to the settings will be automatically transferred to the room air conditioner. The proper receipt of data will be acknowledged with an audible "beep".
- To operate the remote control should be pointed towards the receiver. The receipt of data is only possible if there are no objects between the transmitter and the receiver.
- If the system is shut down for an extended period it is advisable to remove the batteries from the remote control.

> **! NOTICE!**
>
> Never use new and used batteries at the same time, remove discharged batteries immediately and replace these with new batteries of the prescribed quality as there is a danger of discharged batteries leaking.

Inserting the batteries into the remote control

Before initial commissioning, insert the supplied batteries (2 each, type AAA) into the remote control.

1. Slide the battery compartment cover on the rear of the remote control to open it.

2. Insert the batteries with the correct polarity. Observe marking in the battery compartment.

3. Close the battery compartment again.

Functions of the infra-red remote control

All settings of the unit can be implemented via the remote control supplied. Please refer to the "Control panel" section for the functions of the keys. The range of the remote control is ca. 5 metres.

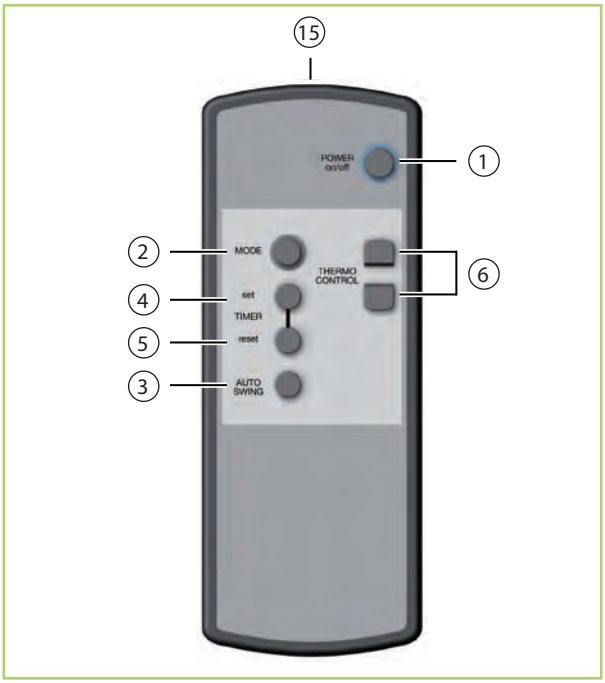

Fig. 4: Infrared remote control

1: On / off "POWER" key
2: Operating mode "MODE" key
3: "AUTO SWING" air distribution key
4: "TIMER SET" timer key
5: "TIMER RESET" timer key
6: "▲/▼" keys "THERMO CONTROL"
15: Infrared transmitter

Help save on energy consumption in stand-by mode! If the device, system or component is not in use, we recommend disconnecting the power supply. Components with a safety function is excluded from our recommendation!

5 Assembly and installation

Assembly and unit installation instructions

The unit is positioned at the desired location with the discharge side pointing into the room. When positioning, observe the following instructions:

- After unpacking the unit let it sit on its transport rollers for at least 5 minutes before you switch it on.
- Set the unit down in a stable position on a level and firm floor. If the floor is uneven then this can lead to vibrations and disturbing noises.

Fig. 5: Unit installation

! NOTICE!

There must be a minimum clearance of 20 cm between the rear of the unit and the wall.

- All extensions to the power supply must be of a sufficient cable size and must only be used fully rolled out.

Fig. 6: Power supply

- Check whether the stopper in the condensate drain is present and correctly installed. There is a risk of uncontrolled condensate leakage after commissioning.

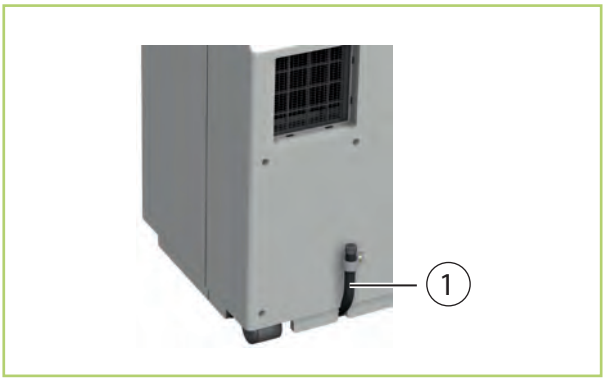

Fig. 7: Condensate drain

1: Condensate drainage with stopper

- Never operate the unit without the air inlet filter. Otherwise, the fins of the heat exchanger can become dirty and the unit loses performance.

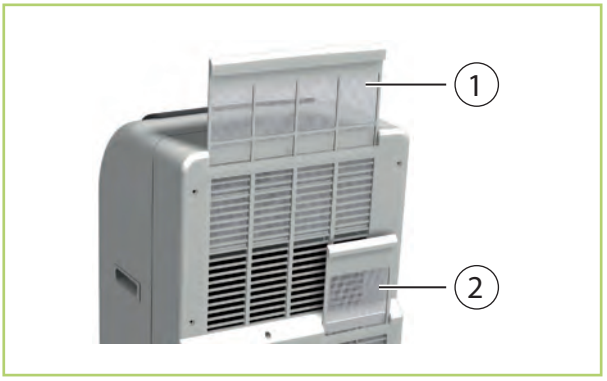

Fig. 8: Air inlet filter

1: Recirculated air filter
2: Exhaust air filter

- Ensure that persons and sensitive objects, such as plants, are not placed directly in the air flow emerging from the unit.

In addition, with direct solar radiation close the curtains and blinds and keep the windows and doors closed during operation.

Conduct the warm exhaust air away

! NOTICE!

The exhaust air hose should always be laid rising in the direction of air flow and must not be extended!

In cooling mode the unit creates warm moist exhaust air, which must be conducted away from the room to be cooled. For this reason it is necessary to plug the exhaust air hose into the outlet opening on the rear of the unit.

- Ensure that the catches for the exhaust air hose latch securely into the two openings of the connection aperture. In order to be sure of effective operation, do not lay the flexible exhaust air hose with tight bends and do not kink it.

Fig. 9: Latch the hose into place

- The exhaust air of the unit contains a certain amount of moisture. For this reason it is advisable to feed the exhaust air to the outdoor area or to outdoors.

Exhaust air routing variants

You can route the exhaust air out of the building as follows:

Via a flat nozzle

The flat nozzle supplied can be used in various different ways. It is possible to feed the flat nozzle through an open window and fasten it by means of Velcro and a window suction cup (Fig. 10). Likewise the flat nozzle can be hung in a tilted window (Fig. 11).

Via a wall pass-through

The hose supplied is firmly attached to a wall pass-through. A suitable wall pass-through is available as an accessory (Fig. 12).

Fig. 10: Exhaust air with open window

Fig. 11: Exhaust air with tilted window

Fig. 12: Wall pass-though

! NOTICE!

In some circumstances routing the exhaust air via a firmly attached exhaust air hose, e.g. through closed doors or windows, can lead to negative pressure in the room in which the unit is being used. If this should reduce the performance of the unit then arrange for the pressure to be equalised.

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Installation scheme for wall pass-though (accessory)

Fig. 13: Installation example

1: External grill
2: Telescopic tube
3: Non-return flap
4: Sealing cover

Installation instructions

1. Create a core hole in the exterior wall (wall thickness 270-480 mm) with a diameter of at least 130 mm. Watch out for any supply lines in this area!

2. Insert the slide tube into the wall pass-through created such that the outer tube (larger diameter) is on the inside of the wall. In order to avoid cold bridges insulate the telescopic tube with suitable insulation material.

3. Brick the slide tube into the core hole such that it sits flush on both sides of the wall.

4. Fasten the protection grid on the outside of the wall with 4 screws. Take rain ingress into account when fitting the grid.

5. Insert the interior flap valve and fasten this likewise with 4 screws. The "Top" legend on the flap valve must be visible from the inside.

6. When decommissioning the unit, e.g. before the start of the winter period, seal the opening in the flap valve with the sealing cover in order to prevent air circulation.

6 Electrical wiring

Electrical drawings

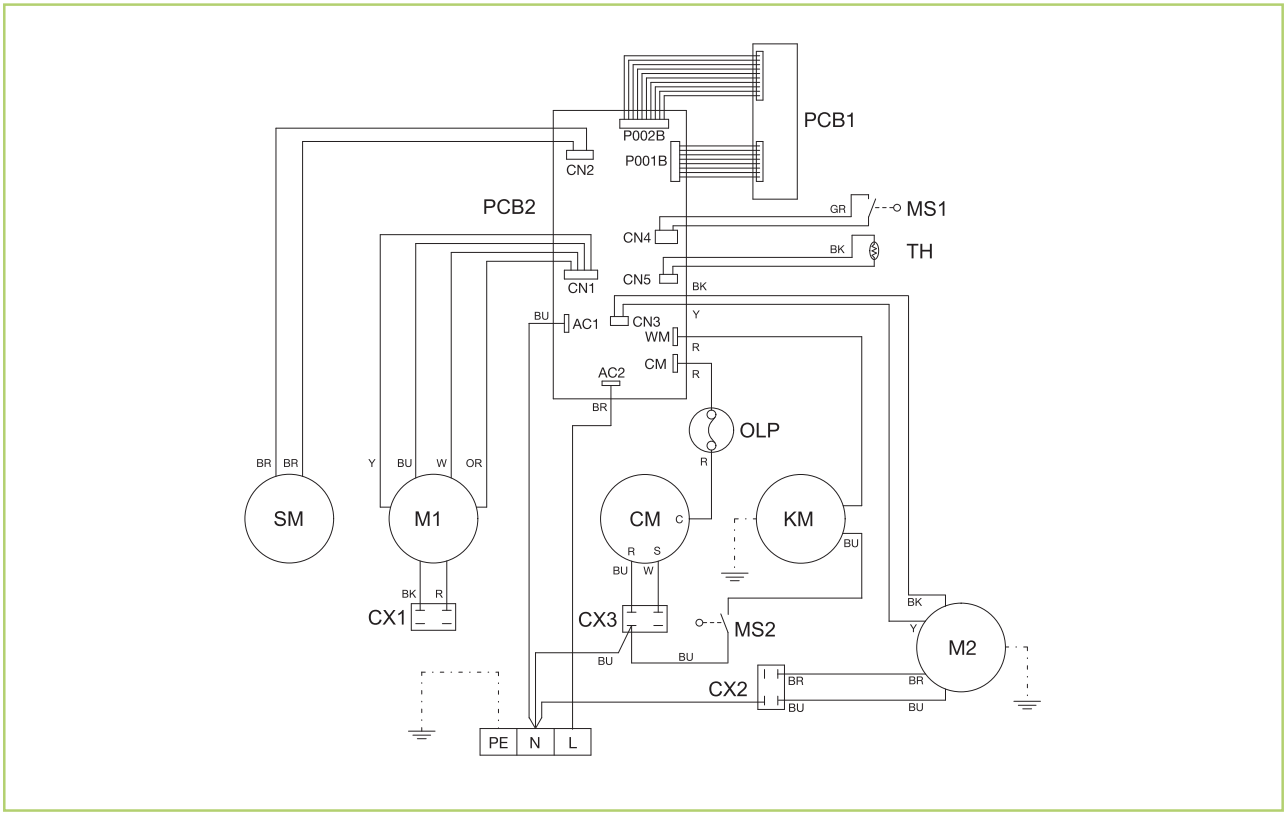


Fig. 14: Electrical drawings

PCB1:	Control panel
PCB2:	Control board
SM:	Swing motor
M1:	Fan motor (evaporator)
M2:	Fan motor (condenser)
KM:	Condensate pump
CM:	Compressor
OLP:	Compressor fuse
CX1:	Capacitor (M1)
CX2:	Capacitor (M2)
CX3:	Capacitor (CM)
TH:	Temperature probe
MS1:	Microswitch (tank full)
MS2:	Microswitch (pump)
Colour coding:	
BK:	Black
BR:	Brown
BU:	Blue
GR:	Grey
OR:	Orange
R:	Red
W:	White
Y:	Yellow

We reserve the right to modify the dimensions and design as part of the ongoing technical development process

7 Commissioning

Before every commissioning the air inlet and outlet openings should be checked for foreign bodies and the air inlet filter must be checked for dirt. Blocked or soiled grids and filters must be cleaned immediately, see "Care and maintenance" chapter.

Cooling mode

1. Switch the unit on with the "I/O" key.
2. Select cooling mode with the "MODE" key. The "AUTO" LED must illuminate.
3. Set the desired target temperature with the "THERMO CONTROL" key. The selected target temperature will be shown in the display. If the fan stage selected is too large or too small then this can be adjusted with the "MODE" key.

Recirculation mode

1. Switch the unit on with the "I/O" key.
2. Select ventilation mode with the "MODE" key. The "FAN" LED must illuminate.

8 Troubleshooting and customer service

The unit has been manufactured using state-of-the-art production methods and has been tested several times to ensure that it works properly. If malfunctions should occur, please check the unit as detailed in the list below. Please inform your dealer if the unit is still not working correctly after all the function checks have been performed.

Fault description	Cause	Remedy
The unit does not start or switches itself off.	Master switch off.	Switch on the main switch.
	Power failure	Check voltage and if necessary wait until turned on again.
	Defective mains fuse	Arrange to have exchanged
	Power supply defective	Repair by certified serv. centre.
	Operational temperature range too low or exceeded.	Observe operational temperature range 18 to 35 °C.
	Internal reservoir full.	Empty reservoir.
	The ambient temp. of the unit lies outside the operating range (18 to 35 °C).	Do not operate the unit outside the operating range.
The unit does not work or works at reduced cooling capacity.	Exhaust air hose kinked, extended, routed downwards or blocked.	Ensure that there is a clear path for the exhaust air.
	Filter contamination, inlet or outlet blower openings blocked by foreign bodies.	Clean filter.
	Minimum clearances too small.	Observe minimum clearances.
	Windows and doors open / heat load was increased.	Close doors and windows / reduce heat load.
	Negative pressure in the installation room whilst the unit is operating with wall pass-through.	Balance out the pressure in the installation room.
	"Cooling" operating mode is not used.	Use "AUTO, HI, MED or LO" operating mode.
	Unit will be switched by means of the timer function.	Press "I / 0" key again.
	Temperature setting too high.	Reduce temperature.
	Overvoltage due to local lightning strike.	Switch unit off and separate from the power supply for 5 mins., then start anew.
The unit does not respond to the infra-red remote control.	Batteries in the remote control are empty or the distance to the receiver is too great.	Insert new batteries / reduce distance.
	After battery exchange, incorrect polarity of batteries.	Insert the batteries with the correct polarity. Observe marking.
Condensate discharge on unit.	Unit standing at an angle.	Stand vertically.
	The stopper for the condensate drain is not correctly inserted or is damaged.	Insert stopper correctly or replace if necessary.

9 Care and maintenance

Regular care and observation of some basic points will ensure trouble-free operation and a long service life.

DANGER!

Prior to performing any work, ensure the equipment is disconnected from the voltage supply and secured to prevent accidental switch-on!

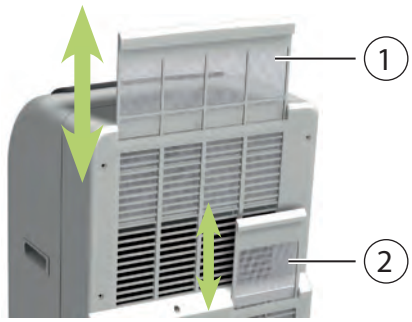


Fig. 15: Filter removal

1: Recirculated air filter
2: Exhaust air filter

- Clean the unit using a damp cloth. Do not use a jet of water.
- Do not use any caustic, abrasive or solvent-based cleaning products.
- Only use suitable cleaning agents, even in the event of severe soiling.
- Ensure that no moisture gets into the unit. Clean the exhaust air and outlet openings regularly and thoroughly. This is where dirt most often collects first

NOTICE!

Check the level of dirt on the on the exchanger fins.

- Clean the air filter on the indoor unit at regular intervals, and more frequently if necessary.
- It is recommended that you take out a maintenance contract with an appropriate specialist firm.

This enables you to ensure the operational reliability of the plant at all times!

Filter cleaning

The unit is equipped with two air filters. These can be withdrawn from the rear of the unit. The filters must be cleaned at regular intervals. Clean the air filters at intervals of no more than 100 operating hours. Reduce this interval in the case of heavily contaminated air.

Please proceed as follows in order to clean the unit:

1. Switch the unit off and pull out the power plug.
2. Pull the filter out of the unit (Fig. 15)
3. Clean the dust off the filter. Use a vacuum cleaner in the event of slight soiling. (Fig. 16)
4. In the case of heavy soiling clean the filter carefully in lukewarm water. (Fig. 17)
5. Subsequently allow the filter to dry in the air.
6. Insert the filter back into the device.
7. Ensure that the filter is dry and undamaged.

NOTICE!

Never operate the indoor unit without the original filter. The heat exchanger fins on the indoor unit with soil up if operated without a filter and the device will suffer performance loss.

Fig. 16: Cleaning with a vacuum cleaner

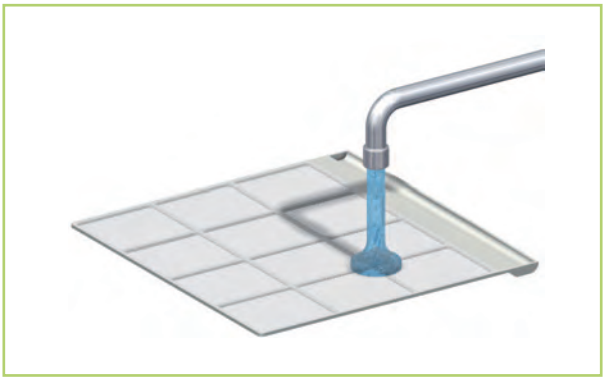


Fig. 17: Cleaning with lukewarm water

10 Shutdown

! NOTICE!

Never switch off the equipment by pulling out the mains plug.

Temporary shutdown

If it is planned to shut down the unit for longer periods e.g. during the winter, proceed as follows:

1. Let the unit run in recirculating operation for ca. 2 hours in order to dry the surfaces of the evaporator fins. This will transport the remaining moisture out of the unit and this will avoid unpleasant odours when the unit is re-commissioned.
2. Switch the unit off with the "I/O" key, pull out the power plug and wind up the power supply. Ensure that the wiring is not kinked or too severely bent. The line can be fastened to the rear of the unit.
3. Place a suitable container underneath the condensate drain of the internal reservoir. The condensate drain is located on the lower rear side of the unit.
4. Pull out the stopper from the condensate drain and collect the condensate that drains out.
5. Then insert the stopper once again. A missing stopper or an incorrectly inserted stopper will result in condensate leaking out after re-commissioning.
6. Store the unit in an upright position in a cool, dry and dust-free location protected from direct sunlight. Cover the unit with a synthetic cover to protect it against dust if desired.

Permanent shutdown

The entire system should only be dismantled by a specialist firm familiar with all environmental aspects involved. REMKO GmbH & Co. KG or your sales partner will be pleased to provide details of refrigerant specialists in your area.

11 Exploded view and spare parts lists

11.1 Exploded view of the unit

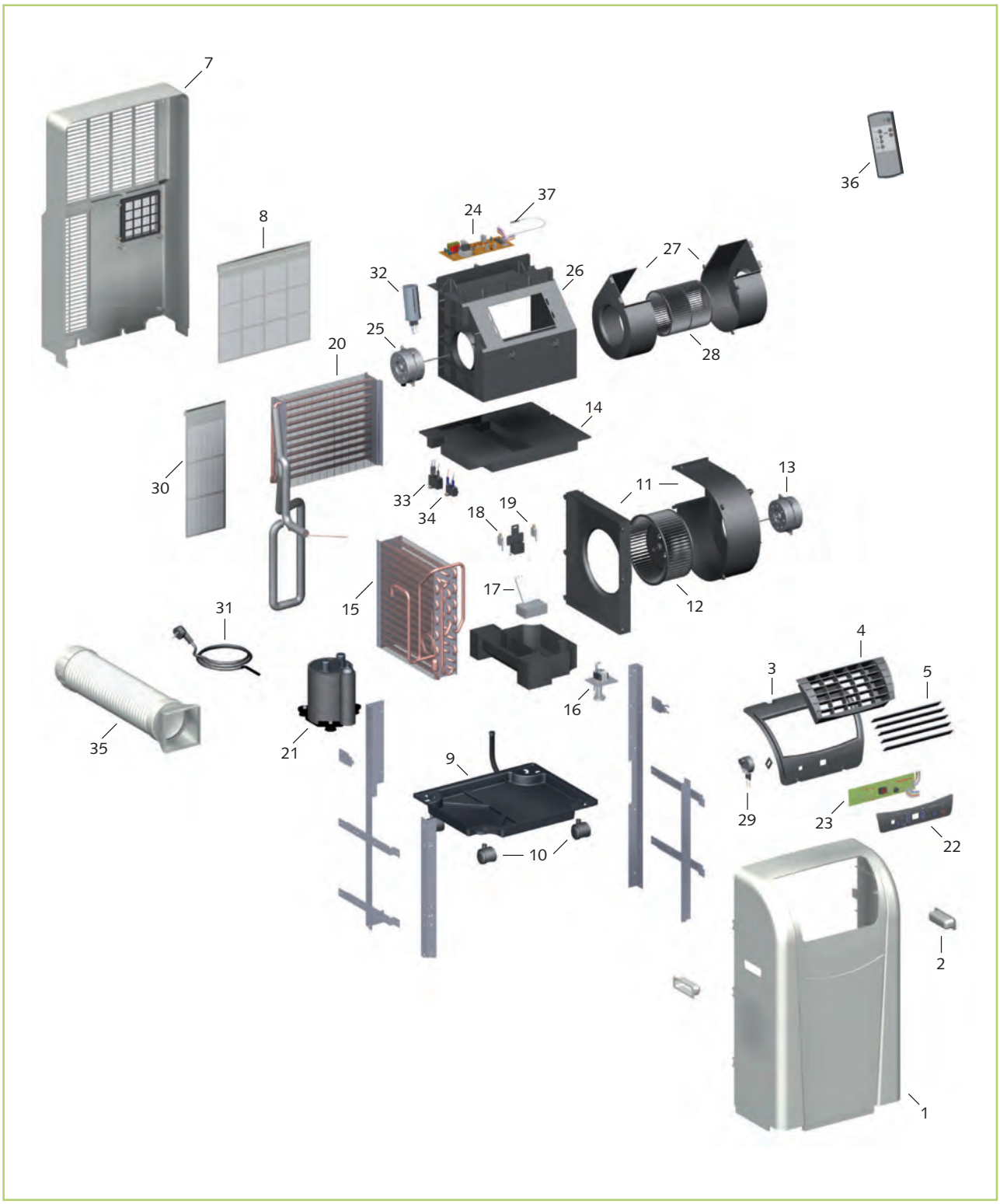


Fig. 18: Exploded view drawing

We reserve the right to modify the dimensions and design as part of the ongoing technical development process.

11.2 Spare parts list

No.	Description	RKL 300	RKL 300 S-LINE	RKL 360	RKL 360 S-LINE
1	Front panel	1107000	1107043	1107000	1107043
2	Recessed grip	1107001	1107044	1107001	1107044
3	Cover, control panel	1107002	1107002	1107002	1107002
4	Outlet grill	1107003	1107003	1107003	1107003
5	Fins	1107004	1107004	1107004	1107004
6	Shift lever for fins	1107005	1107005	1107005	1107005
7	Back wall	1107006	1107045	1107006	1107045
8	Air filter, recirculation	1107007	1107046	1107007	1107046
9	Unit base	1107008	1107008	1107008	1107008
10	Conveyor rollers	1107009	1107009	1107009	1107009
11	Fan housing (condenser fan)	1107063	1107063	1107063	1107063
12	Fan impeller (condenser fan)	1107011	1107011	1107011	1107011
13	Fan motor (condenser fan)	1107012	1107012	1107013	1107013
14	Condensate tray	1107064	1107064	1107064	1107064
15	Condenser	1107065	1107065	1107066	1107066
16	Condensation pump cpl.	1107067	1107067	1107067	1107067
17	Float (reservoir)	1107017	1107017	1107017	1107017
18	Microswitch 1 (reservoir)	1107018	1107018	1107018	1107018
19	Microswitch 2 (reservoir)	1107019	1107019	1107019	1107019
20	Evaporator	1107068	1107068	1107069	1107069
21	Compressor, cpl.	1107059	1107059	1107060	1107060
22	Film for control panel	1107023	1107023	1107023	1107023
23	Control panel circuit board	1107024	1107024	1107024	1107024
24	Control board	1107090	1107090	1107090	1107090
25	Fan motor (evaporator)	1107026	1107026	1107027	1107027
26	Evaporator housing	1107028	1107028	1107028	1107028
27	Fan housing (evaporator)	1107029	1107029	1107029	1107029
28	Fan impeller (evaporator)	1107030	1107030	1107030	1107030
29	Fin motor	1107031	1107031	1107031	1107031
30	Exhaust air filter	1107032	1107047	1107032	1107047

REMKO RKL

Spare parts list (continued)

No.	Description	RKL 300	RKL 300 S-LINE	RKL 360	RKL 360 S-LINE
31	Power supply with plug	1107033	1107033	1107033	1107033
32	Compressor capacitor	1107061	1107061	1107062	1107062
33	Capacitor (evaporator fan)	1107037	1107037	1107038	1107038
34	Capacitor (condenser fan)	1107039	1107039	1107040	1107040
35	Exhaust air hose compl.	1107091	1107092	1107091	1107092
36	Infrared remote control	1613135	1613135	1613135	1613135
37	Sensor air inlet	1107049	1107049	1107049	1107049
	Spare parts not illustrated				
	Condensate catchment tray	1107093	1107093	1107093	1107093
	Accessories				
	Wall pass-though	1613118	1613118	1613118	1613118

When ordering spare parts, please state the EDP no., unit number and type (see name plate)!

12 EC Declaration of Conformity

EC- Declaration of Conformity

in accordance with the Machinery Directive, Appendix II A1
Translated Declaration of Conformity

CE

We hereby declare that the devices named below, as produced and sold by us, satisfy the relevant basic requirements of EC Directive, EC safety standards and product-specific EC standards.

Name of the manufacturer and name of the CE representative:

REMKO GmbH & Co. KG

Klima- und Wärmetechnik

Im Seelenkamp 12

D - 32791 Lage

Equipment (machinery) Implementation:

Local room air conditioner

Series / Designation:

REMKO RKL 300, RKL 300 S-Line,
RKL 360, RKL 360 S-Line

Series / Class Number:

1250..., 1251..., 1252..., 1253

Applicable regulations (EC Directives)

Machinery Directive 2006/42/EC

Low-Voltage Directive 2006/95/EC

EMC – RL 2004/108 EEC - EMC Directive

Energy Consumption Labelling Directive (EnVKV) 92/75/EEC

Pressure Equipment Directive 97/23/EC

Ecodesign Directive 262/2011

Applicable standards:

DIN EN ISO 12100-1-2 : 2004-04; DIN EN ISO 13857,

EN 14511 T1-4;DIN 45635 - 1; EN 378 – 1-4;

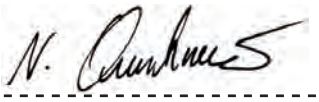
EN 55014 - 1; EN 55014 - 2; EN 55104

EN 60204 - 1; EN 60335 - 1; EN 60335 - 2 - 40;

EN 61000 - 3 - 2; EN 61000 - 3 - 3;

Lage, 4th December 2012

REMKO GmbH & Co. KG



Signature, Product Manager

13 Index

REMKO RKL

REMKO INTERNATIONAL

… and also right in your neighbourhood! Make use of our experience and advice

Consulting
Thanks to intensive training, our consultants are always completely up-to-date in terms of technical knowledge. This has given us the reputation of being more than just an excellent, reliable supplier:
REMKO, a partner helping you find solutions to your problems.

Distribution
REMKO offers not just a well established sales network both nationally and internationally, but also has exceptionally highly-qualified sales specialists.
REMKO field staff are more than just sales representatives: above all, they must act as advisers to our customers in air conditioning and heating technology.

SFIb**Customer Service**
Our equipment operates precisely and reliably. However, in the event of a fault, REMKO customer service is quickly at the scene. Our comprehensive network of experienced dealers always guarantees quick and reliable service.

REMKO GmbH & Co. KG
Air conditioning and heating technology

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