

REMKO RXS H

RXS 261 H, RXS 351 H, RXS 521 H,
RXS 681 H, RXS 1200 H

Combined - outdoor components

Operation · Technology · Spare parts



Contents

<i>Safety notes</i>	4
<i>Environmental protection and recycling</i>	4
<i>Warranty</i>	4
<i>Transport and packaging</i>	5
<i>Description of the equipment</i>	5
<i>Combinations</i>	6
<i>Operation</i>	7
<i>Shutdown</i>	7
<i>Care and maintenance</i>	7
<i>Troubleshooting and customer service</i>	8
<i>Installation instructions for qualified personnel</i>	9-11
<i>Installation</i>	11-12
<i>Tightness check</i>	13
<i>Condensation connection</i>	13
<i>Electrical connection</i>	13-14
<i>Electrical connection diagram</i>	14
<i>Electrical circuit diagram</i>	15
<i>Before start up</i>	15
<i>Add refrigerant</i>	16
<i>Commissioning</i>	16-17
<i>Unit dimensions</i>	18
<i>Technical data</i>	18
<i>Product illustration</i>	19
<i>Spare parts list</i>	19





These operating instructions should be read carefully prior to commissioning / operation of the equipment!

These instructions are part of the equipment and must always be kept in the vicinity of the installation or on the equipment

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

Safety notes

Carefully read this manual before starting the unit for the first time. It contains useful tips, information  as well as hazard warnings to prevent injury or material damage . Non-observance of this manual may endanger persons, the environment as well as the equipment itself and will void any claims for liability.

- Store this manual as well as the refrigerant datasheet in the vicinity of the unit.
- The unit should only be set up and installed by qualified personnel.
- The setup, connection and operation of the unit and its components must be in accordance with the operating conditions stipulated in this manual and comply with all applicable local regulations.
- Units designed for mobile use should be safely set up on a suitable floor and in a vertical position. Units designed for stationary use should only be operated in their permanently installed state.
- It is prohibited to make modifications or changes to equipment or components supplied by REMKO as this may cause malfunctions.
- Equipment and components should not be operated in areas where there is a heightened damage risk. Observe the minimum clearances.
- The electrical supply should be adapted to fulfil the requirements of the unit.
- The operational safety of equipment and components is only assured providing they are used as intended and in a fully assembled state. Safety devices should not be modified or bypassed.
- Do not operate equipment or components with obvious defects or signs of damage.
- All housing parts and openings, e.g. air inlets and outlets, must not be blocked by foreign items, fluids or gases.
- The equipment and components must be kept a safe distance from inflammable, explosive, combustible, aggressive and dirty areas or atmospheres.
- Persons coming into contact with equipment parts may suffer burns or injury.
- Installation, repair and maintenance work should only be carried out by authorised specialists. Inspection and cleaning can be performed by the operator providing the equipment is not under voltage.
- Take appropriate hazard prevention measures when performing installation, repair or maintenance work or cleaning the equipment.
- The equipment or components should not be exposed to any mechanical stresses, extreme levels of humidity or direct exposure to sunlight.



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 old equipment

Our production facility is subject to continuous quality control. Only high-grade materials are processed, the majority of which are recyclable. Help protect the environment by only disposing of old equipment in accordance with local regulations and in an environmentally safe manner, e.g. through authorised disposal and recycling specialists or at collection points.

Warranty

Prerequisite for any warranty claims is that the purchaser or his client has completely filled out the "warranty registration card" and commissioning report included with the unit at the time when the equipment was purchased and commissioned and returned the completed card to REMKO GmbH & Co. KG.

The warranty conditions are listed in the "General business and delivery conditions. The contractual parties can also agree additional terms beyond the scope of the above. For this reason please contact your direct contracting partner first.

Transport and packaging

The equipment is shipped in sturdy transport packaging. Immediately check the equipment on delivery and make a note of any damage or missing parts on the delivery note. Inform the forwarding agent and contractual partner. Warranty claims at a later date will not be accepted.

Description of the equipment

The outdoor component of split-design combined room air conditioning units serves to output the heat extracted by the interior unit from the room being cooled. If combined heating/cooling units are operated as heaters, the heat absorbed by the outdoor component can be discharged by the interior unit into the room being heated.

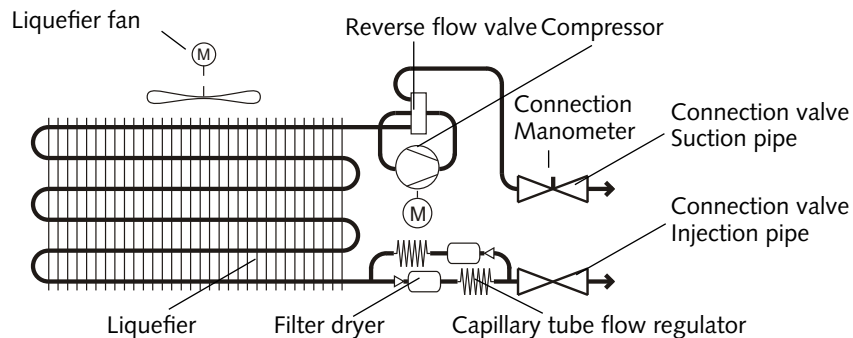
The unit can be installed outdoors or indoors. The latter requires the fulfilment of certain conditions.

The outdoor component comprises a refrigerant and compressor, Finned liquefier, liquefier fan, reverse flow valve and flow regulator.

The outdoor component can be combined with REMKO indoor units that provide sufficient cooling output (see table "Combinations"). The outdoor component is controlled via the regulation of the indoor unit.

Winter controllers, floor brackets, wall brackets and refrigerant pipes are available as accessories.

Schematic of refrigerant circuit

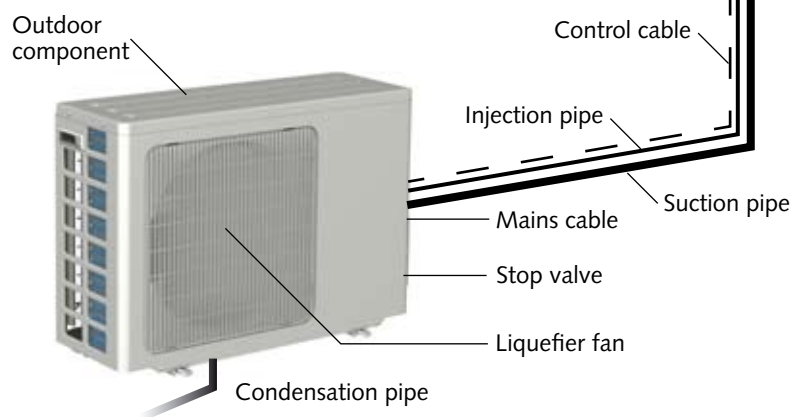


System design

Indoor area



Outdoor area



The connection between the indoor unit and the outdoor component is made with refrigerant pipes.

REMKO RXS H

Combinations

Cooling / heating

	RXS 261H			RXS 351H			RXS 521H			RXS 681H			RXS 1200H	
RXW 261	•													
RXW 351				•										
RXW 521							•							
RXW 681										•				
RXD 260		•												
RXD 350					•									
RXD 520								•						
RXD 680											•			
RXD 1200														•
RXT 350						•								
RXT 520									•					
RXT 680												•		

Operation

The outdoor component is operated using the regulator for the indoor unit.

The chapter on "Operation" in the manual for the indoor unit must therefore be observed.

Shutdown

Temporary shutdown

1. Shut down the system using the remote control.
2. Switch off the voltage supply to the unit.
3. Check the unit for visible signs of damage and clean as described in the chapter "Care and maintenance".
4. Cover as much of the unit as possible with plastic foil to protect it against the weather.

Permanent shutdown

Ensure that equipment and components are disposed of in accordance with local regulations, e.g. through authorised disposal and recycling specialists or at collection points.

Contact REMKO GmbH & Co. KG or your contract partner for a list of specialist companies near you.

Care and maintenance

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

⚠ CAUTION

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

Care

- Ensure the unit is protected against dirt, mould and other deposits.
- Clean the equipment using a damp cloth. Do not use a jet of water.
- Do not use any caustic, abrasive or solvent-based cleaning products.

- In cases of extreme dirt, only use suitable cleaning agents.
- Check the level of dirt on the fins of the unit.
- Cover the unit with plastic sheeting to prevent the ingress of dirt.

Maintenance

- It is recommended that you take out a maintenance contract with an annual service from an appropriate specialist.

💡 TIP

This ensures the operational reliability of your equipment!

Type of task Checks / maintenance / inspection	Commissioning	Monthly	Six-monthly	Yearly
General	•			•
Measure voltage and current	•			•
Check function of compressor	•			•
Check fan is functioning correctly	•			•
Dirt on liquefier	•	•		
Check refrigerant fill quantity	•		•	
Check condensation drain	•		•	
Test insulation	•			•
Check moving parts	•			•

REMKO RXS H

Troubleshooting and customer service

The unit has been manufactured using state-of-the-art production methods and tested several times to ensure its correct function. If malfunctions should occur, please check the unit as detailed in the list below. For installations with an indoor unit and outdoor component, refer to the chapter "Troubleshooting and customer service" in both manuals. Please inform your dealer if the unit is still not working correctly after all the functional checks have been performed!

Malfunction

Fault	Possible cause	Checks	Remedial measures
The unit does not start or switches itself off.	Power outage, undervoltage	Are all electrical installations functioning correctly?	Check voltage, if necessary wait before switching back on
	Defective mains fuse Main circuit breaker is open	Are all lighting circuits functioning correctly?	Replace mains fuse Close main circuit breaker
	Damaged mains cable	Are all electrical installations functioning correctly?	Repair by a specialist
	Waiting time after switch-on too short	Is there a restart after approx. 5 minutes?	Schedule longer waiting times
	Temperature outside operating range	Are the fans in the unit still working?	Observe the temperature ranges
	Occasional overvoltage or undervoltage	Check by a specialist	Turn the equipment off and back on
	Switch-off contact in external condensation pump has opened	Is the external condensation pump on the indoor unit "faulty"?	Clean the condensation pump drain Have the pump replaced
The unit works at reduced or no cooling/heating output	Air inlet and/or air outlet are blocked by debris	Debris in air inlet and outlet?	Clean the fins Reduce the air resistance
	Thermal or wind load has increased	Have there been any constructional / application-related changes?	Reduce the thermal/wind loads by implementing appropriate measures
	No heat output possible	Is the fan on the outdoor component running?	Fan / winter controller should be checked
	Leaking refrigerant circuit	Are there signs of severe frost on the large stop valve?	Repair by a specialist
The suction pipe and / or liquid separator on the compressor have iced up	Thermal load has increased	Is the outdoor component running continuously?	Reduce the thermal load If necessary, install an additional unit / Insulate the iced up components

Installation instructions for qualified personnel

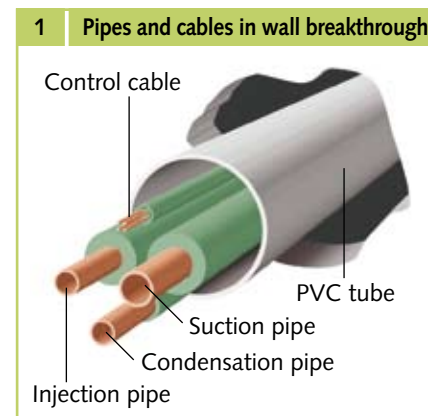
Important points prior to installation

- Observe the manuals for the indoor unit and outdoor component when installing the entire system.
- Transport the unit in its original packaging as close as possible to the installation location. This avoids transportation damage.
- Check the contents of the packaging for completeness and check the unit for visible transport damage. Immediately notify any deficiencies to the contractual partner and forwarding agent.
- Lift the unit at the corners and not by the refrigerant or condensation connections.
- Insulate the refrigerant pipes (injection and suction pipe), valves and connections to make them tight against vapour diffusion. If necessary, also insulate the condensation pipe. The suction pipe and liquid separator on the outdoor component should also be insulated if the unit is running continuously.
- Select an installation location which allows air to freely flow through the inlet and outlet. (see section "Minimum clearances".)
- Do not install the unit in the immediate vicinity of devices with intensive thermal radiation. Installation near thermal radiation reduces the unit output.

- Only open the stop valves for the refrigerant pipes after installation has been fully completed.
- Seal off open refrigerant pipes with suitable caps or adhesive strips to avoid the infiltration of moisture and never kink or compress the refrigerant pipes.
- Avoid unnecessary bends. This minimises the pressure loss in the refrigerant pipes and ensures that the compressor oil can flow back without obstruction.
- Make special preparations regarding the oil return if the outdoor unit is located above the indoor unit.
- Add refrigerant if the basic length of the refrigerant pipe exceeds 5 metres.
- Only use the union nuts for the refrigerant pipes included in the delivery, and remove them shortly before connecting the refrigerant pipes are connected.
- Establish all electrical connections in accordance with the relevant DIN- and VDE standards.
- See electrical connection diagram. Ensure the electrical cables are properly connected to the terminals, otherwise there is a risk of fire.

Wall openings

- The wall breakthrough must have a diameter of min. diameter of min. 70 mm and a fall of 10 mm from inside to outside for each indoor unit.
- We recommend that the inside of the hole is padded or lined, e.g. using a PVC tube, to prevent the pipes being damaged. (Fig 1).
- After installation has been completed, use a suitable sealing compound to close off the wall breakthrough (responsibility of customer). Do not use materials containing cement or lime!



Installation material

The outdoor component is fastened using a wall bracket with 4 screws or by fixing a floor bracket to the floor.

NOTE

Only use fixing materials which are suitable for the given application.

REMKO RXS H

Selecting the installation location

The outdoor component is designed for horizontal and upright installation in outdoor areas. It should be placed on level, flat and firm ground. The unit should also be secured to prevent toppling. The outdoor component can be installed both inside and outside buildings. In the case of outdoor installation, please follow the instructions given below to protect the unit against the weather.

Rain

The unit should be at least 10 cm off the ground when mounted on the roof or ground. Increasing the installation height will also increase the heat output by the heating/cooling unit. An optional floor bracket is available as an accessory.

Sun

The liquefier on the outdoor component radiates heat.

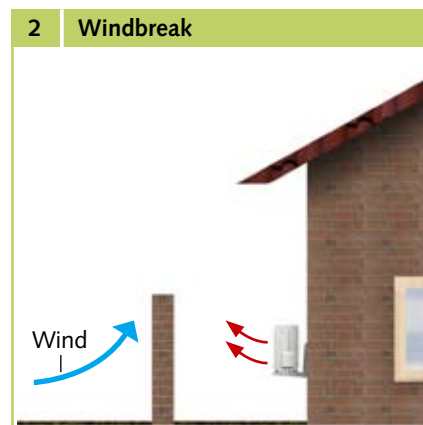
Exposure to direct sunlight will further increase the temperature of the fins and reduce the heat output of the liquefier.

The outdoor component should therefore be installed as near as possible to the north side of the building.

If necessary, take measures to provide sufficient shade. One possible solution is to build a small roof. However, the discharging warm air flow may not be affected by the measures.

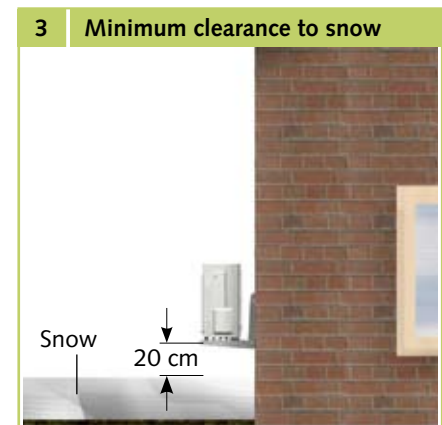
Wind

If the unit is being installed in windy areas, ensure that the warm outlet air discharges in the main wind direction. If this is not the case, it may be necessary to install a windbreak (provided by the customer) (Fig. 2). Ensure that the windbreak does not adversely affect the air intake to the unit.



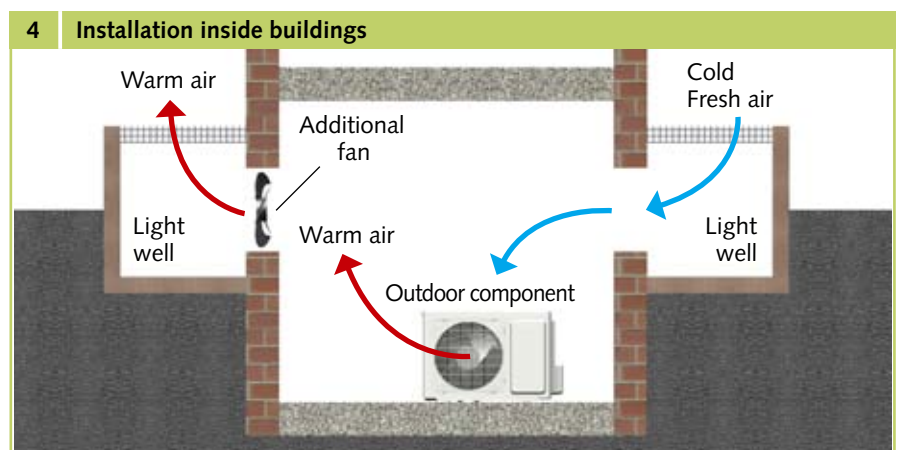
Snow

The unit should be wall-mounted in areas of heavy snowfall. Installation should be at least 20 cm above the expected level of snow to prevent snow from entering the outdoor component (Fig 3). An optional wall bracket is available as an accessory.



Installation inside buildings

- Ensure there is adequate heat dissipation when placing the outdoor component in cellars, attics, adjoining rooms or halls (Figure 4).
- Install an additional fan with a rated flow comparative to that of the outdoor component being installed in the room. This is used in conjunction with ventilation ducts to compensate any pressure losses (Figure 4).



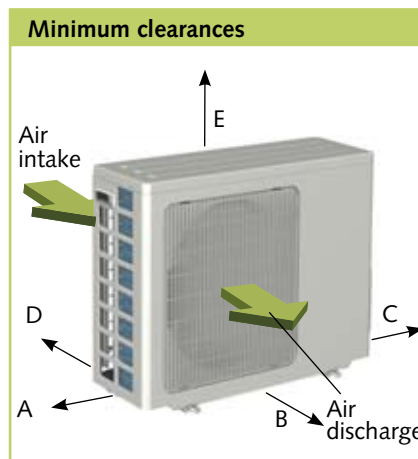
Installation

- Ensure a continuous and unobstructed air flow from outside, preferably using sufficiently large air intakes.
- Comply with any regulations and conditions affecting the statics of the building. If necessary, fit acoustic installation.

Minimum clearances

The following illustration indicates the minimum clearances for trouble-free operation of the equipment.

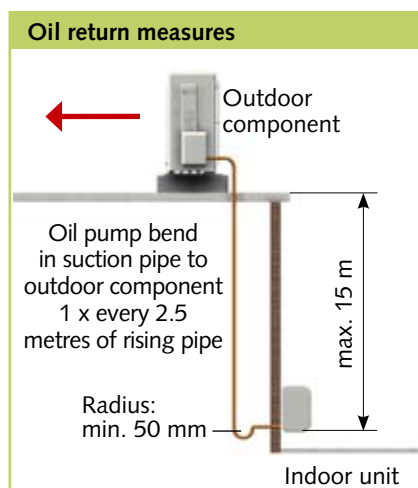
These protection zones serve to ensure unrestricted air intake and discharge, as well as providing sufficient room for performing maintenance and repairs and preventing the unit from being damaged.



	RXS 261H	RXS 351H	RXS 521H	RXS 681H	RXS 1200H
A	100 mm			150 mm	
B	700 mm			900 mm	
C	400 mm				
D	100 mm			150 mm	
E	200 mm	400 mm		600 mm	

Oil return measures

If the outdoor component is installed at a higher level than the indoor unit, suitable oil return measures must be taken. Usually an oil pump bend is installed for every 2.5 metres of height difference.



NOTE

Installation should only be performed by authorised specialists.

The following instructions describe the installation of the refrigerant circuit and the assembly of the indoor unit and outdoor component.

1. The required pipe diameters are given in the table Technical data for the outdoor component.
2. Install the indoor unit can connect the refrigerant pipes as described in the manual for the indoor unit.
3. Observe the permitted bending radius for the refrigerant pipes during installation. Never bend a pipe twice in the same place. Brittle pipes and potential cracking are the consequences.
4. To bend the copper tubing, use the appropriate bending tool to prevent kinks in the tubing.
5. Lay the refrigerant pipes from the indoor unit to the outdoor component. In doing so, ensure adequate fastenings and take measures for the oil return!
6. Use the wall or floor brackets to fit the outdoor component against structural parts approved to support the static load. Observe the installation instructions for the brackets.
7. Ensure that structure-borne sound is not transferred to parts of the building. Use vibration dampers to reduce the effects of structure-borne sound!

REMKO RXS H

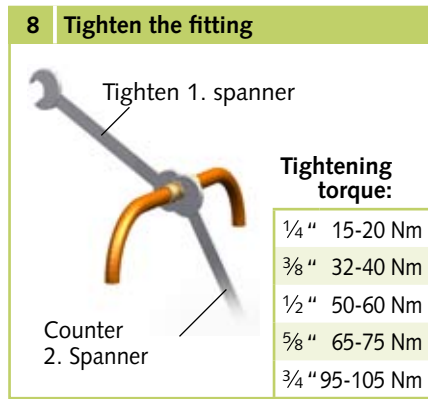
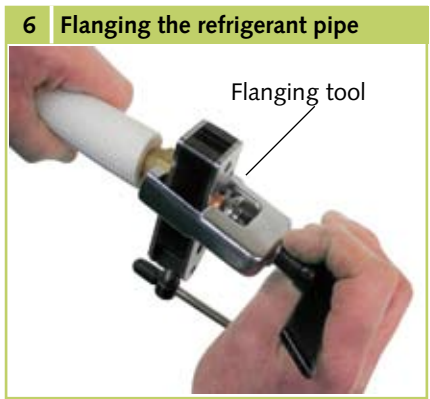
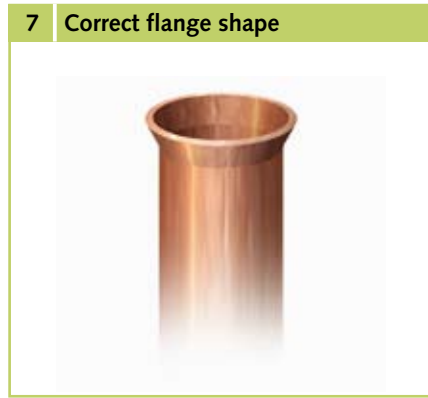
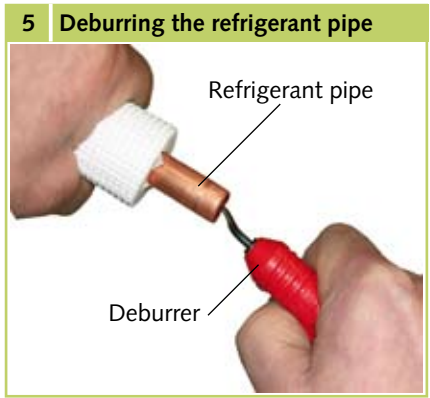
8. Remove the factory-fitted protective caps and union nuts on the stop valve connections. These should be used during installation.
9. Before flanging the refrigerant pipes, ensure that the union nut is fitted on the pipe.
10. Prepare the laid refrigerant pipes (Fig 5 and 6).
11. Verify that the shape of the flange is correct (Fig. 7).
12. First connect and hand-tighten the refrigerant connections to ensure they are correctly seated.
13. Now fully tighten the fittings using 2 suitably sized open-ended spanners. Use one spanner to counter the force when tightening the fitting (Figure 8).

14. Fit appropriate heat insulation to both installed refrigerant lines, including the connectors.
15. Only use insulation hoses which are designed for this temperature range and diffusion tight.

NOTE
Use only tools which are approved for use in an HVAC environment. Pipe cutter, deburrer, bending pliers and flanging tool.

Supplementary information for installation

- When combining the outdoor component with some indoor units, the connection of the refrigerant pipes may differ. In that case, install the provided reducer or expansion fittings to the indoor unit.
- If the basic length of the connection pipe exceeds 5 m, add refrigerant when commissioning the system for the first time. (See chapter „Add refrigerant“).



Tightness check

Once all the connections have been established, the pressure gauge station is attached as follows to the Schrader valve (if fitted):

red = small valve
= injection pressure
blue = large valve
= suction pressure.

Once connected, perform a tightness test using dried nitrogen.

The tightness test involves spraying a leak detection spray onto the connections. If bubbles are visible, the connections have not been properly made. Re-tighten the connection or prepare a new flange.

If the tightness test is successfully completed, depressurise the refrigerant pipes and start a vacuum pump with an absolute final partial pressure of min. 10 mbar to remove the air in the pipe. Any humidity present in the pipes is also removed.

CAUTION

A vacuum of min. 20 mbar must be created!

The time required to generate the vacuum is dependent on the pipework volume of the indoor unit and the length of the refrigerant pipes. This always takes at least **60 minutes**.

Once any foreign gases and humidity have been completely extracted from the system, the valves on the pressure gauge station are closed and the valves on the outdoor component are opened as described in the chapter on "Commissioning".

Condensation connection

If the temperature falls below the dew point, condensation will form on the cooling fins in **heating mode**.

The lower part of the outdoor component housing is formed in the shape of a collection tray. The condensate connection included in the scope of delivery is to be attached here.

- The condensation pipe should have a fall of min. 2 %. This is the responsibility of the customer.
If necessary, fit vapour diffusion tight insulation.
- When operating the unit at outdoor temperatures below 0 °C, ensure the condensation pipe is laid to protect it against frost. The lower part of the housing is also to be kept frost free by the customer, in order to ensure permanent draining of the condensate.
If necessary, fit supplementary pipe heating.
- After completed routing, check for unobstructed condensation discharge and ensure that a permanent seal is provided.

CAUTION

Check all plugged and clamped terminals to verify they are seated correctly and making a permanent contact. Re-tighten as required.

Electrical connection

A mains supply cable and six-core control cable must be laid to the outdoor component and indoor unit respectively.

We recommend that screened control cables are used with a minimum cross-section of 1.5 mm².

CAUTION

All electrical installation work should be performed by specialist contractors. Isolate the voltage supply when connecting the electrical terminals.

Connecting the outdoor component

Before making the connection, observe the following notes:

- Customers should install a terminal box in the vicinity of the outdoor component. We recommend that a main/repair switch is installed.
- Voltage is supplied to the indoor unit through the connection cable between the outdoor component and indoor unit.
- Details concerning the electrical protection of the system are given in the technical data.
- If the outdoor component is installed on a roof, ensure it is protected against lightning strikes.

NOTE

Additional sensor and control cables may be required on some indoor units.

REMKO RXS H

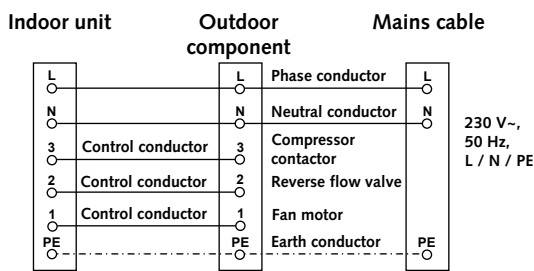
Proceed as follows to connect the cable:

1. Remove the cover from the unit.
2. Remove the side panel next to the terminals.
3. Select the cable cross-section according to the relevant standards.
4. Feed both cables through the edge protection rings on the fixed connection panel.
5. Terminate the cables as shown on the electrical connection diagram.
6. Support the cable in the strain relief and re-assemble the unit.

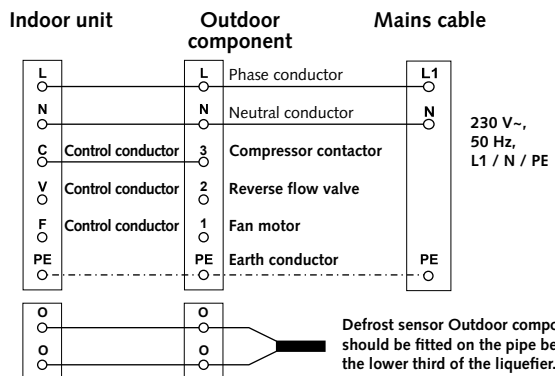


Electrical connection diagram

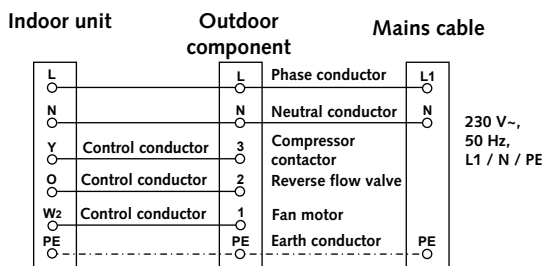
Connection RXW 261-681



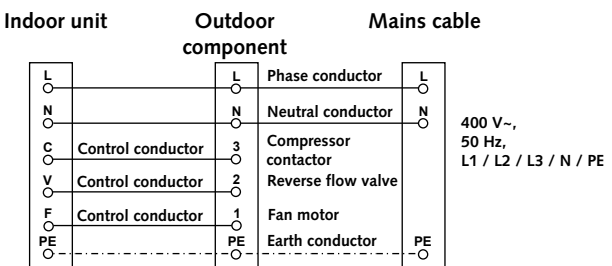
Connection RXD 260-680



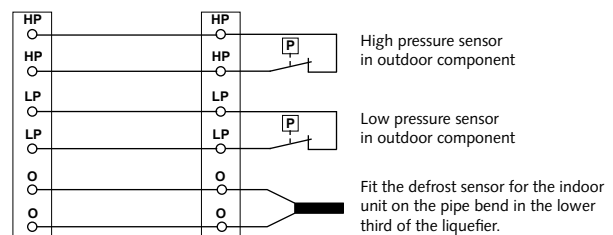
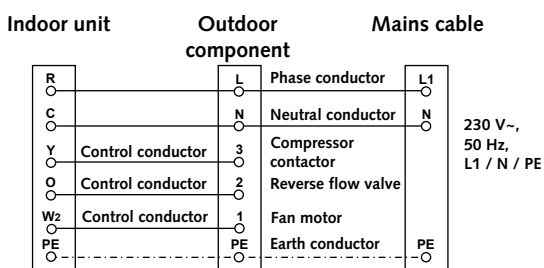
Connection RXT 350



Connection RXD 1200

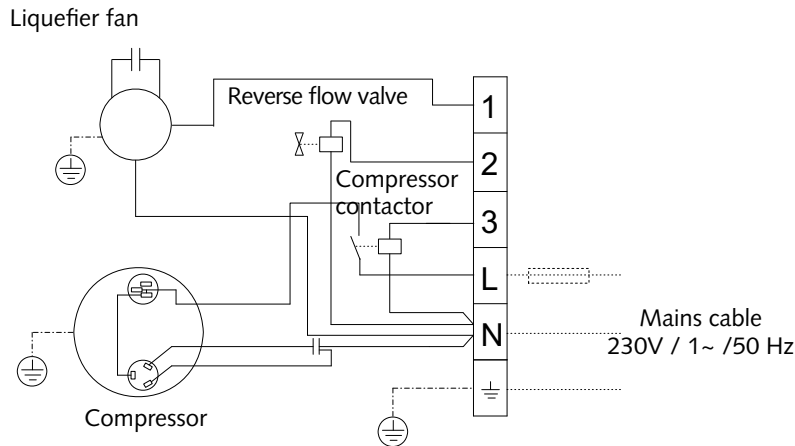


Connection RXT 520-680

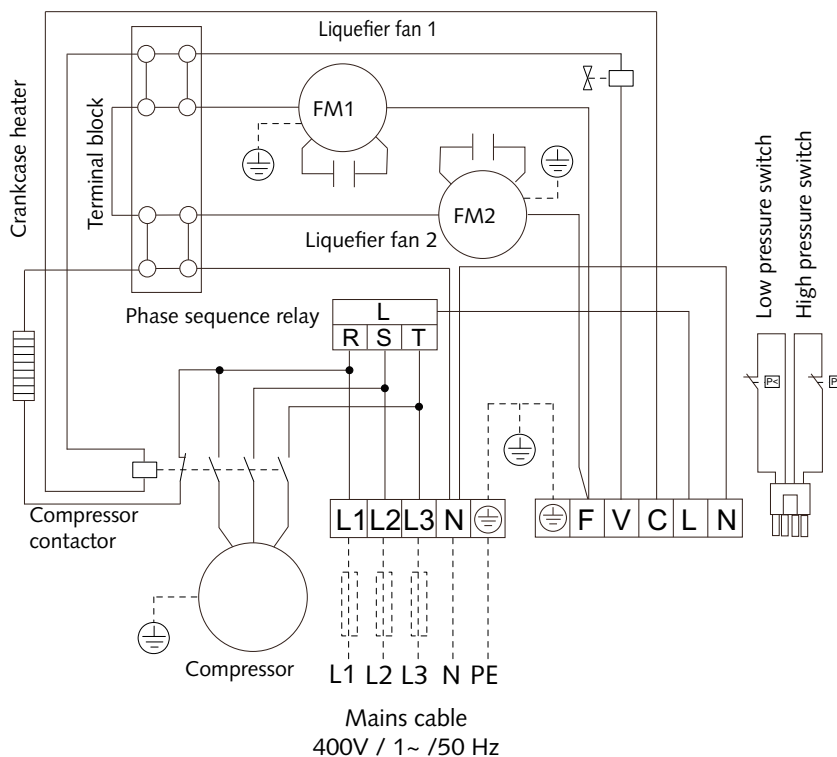


Electrical circuit diagram

RXS 261H-681H



RXS 1200H



Colour code

WH	=	white
BR	=	brown
BU	=	blue
BK	=	black

Before Commissioning

After the tightness check has been successfully completed, connect the vacuum pump via the pressure gauge station to the valve connections on the outdoor component (see chapter "Tightness check")
Connect the outdoor component (see chapter "Tightness check") and create a vacuum.

Perform the following checks prior to commissioning the unit for the first time and after any interventions affecting the refrigerant circuit. Record the results in the commissioning report:

- Check of all refrigerant pipes and valves with leak detection spray or soapy water for leaks and for inadvertent mix up of suction and injection pipe, with the unit at a standstill.
- Check of all refrigerant pipes and insulation for damage.
- Check of all electrical connections between indoor unit and outdoor component for correct polarity.
- Check that all fastenings, mountings etc. are firm and at the correct level.

REMKO RXS H

Add refrigerant

⚠ CAUTION

Note that the employed refrigerant is always filled in liquid form!

⚠ CAUTION

Wear protective clothing when handling refrigerant.

💡 NOTE

Check the overheating to determine the refrigerant fill quantity

Commissioning

💡 NOTE

Commissioning should only be performed by specially trained personnel and documented after the certificate has been issued.

Observe the manuals for the indoor unit and outdoor component when commissioning the entire system.

The unit contains a basic quantity of refrigerant. Additional refrigerant may be required depending on the indoor unit used.

The revised refrigerant quantities are given in the following table:

Cooling / heating

	RXS 261H	RXS 351H	RXS 521H	RXS 681H	RXS 1200H
RXW 261	+ 0 g	-	-	-	-
RXW 351	-	+ 0 g	-	-	-
RXW 521	-	-	+ 0 g	-	-
RXW 681	-	-	-	+ 0 g	-
RXD 260	+ 200 g	-	-	-	-
RXD 350	-	+ 200 g	-	-	-
RXD 520	-	-	+ 200 g	-	-
RXD 680	-	-	-	+ 200 g	-
RXD 1200	-	-	-	-	+ 0 g
RXT 350	-	+ 150 g	-	-	-
RXT 520	-	-	+ 150 g	-	-
RXT 680	-	-	-	+ 150 g	-

In addition, an additional amount of refrigerant must be added for refrigerant pipe lengths exceeding 5 meters per circuit. Refer to the following chart:

	RXS 261H	RXS 351H	RXS 521H	RXS 681H	RXS 1200H
Basic pipe length	Additional fill quantity				
Up to and incl. 5 m	0 g/m	0 g/m	0 g/m	0 g/m	0 g/m
5 m to max. 25 m	25 g/m	25 g/m	25 g/m	45 g/m	65 g/m

The system can be commissioned once all the components have been connected and tested.

A functional check should be performed to verify its correct function and identify any unusual operational behaviour prior to handing it over to the operator.

This check is dependent on the installed indoor unit.

The procedures are specified in the manual for the indoor unit being commissioned.

Function test and test run

Check the following points:

- Leak tightness of refrigerant pipes.
- Compressor and fan running smoothly.
- In cooling mode, cold air should be output by the indoor unit, and warm air should be output by the outdoor component.

- Functional test of the indoor unit and all program sequences.
- Check of the surface temperature of the suction pipe and determination of vaporiser overheating.
To measure the temperature, hold the thermometer to the suction line and subtract the boiling point temperature. reading on the pressure gauge from the measured temperature.
- Record the measured temperatures in the commissioning report.

Functional test for cooling mode

1. Remove the protective caps from the valves.
2. Begin the commissioning process by briefly opening the stop valves on the outdoor component until the pressure gauge indicates a pressure of approx. 2 bar.
3. Use leak detection spray or suitable devices to check that all the connections are tight. If no leaks are found, fully open the stop valves by turning them anti-clockwise using a spanner. If leaks were found, draw off the refrigerant and rework the defective connection. It is imperative that the vacuum creation and drying steps are repeated!
4. Switch off the main circuit breaker or remove the fuse (provided by the customer).

5. Set the target temperature on the indoor unit using the remote control. This should be set to a value lower than the room temperature.
6. Switch the indoor unit to cooling mode.



NOTE

Due to the turn on delay, the compressor will start up a few minutes later.

7. Check the correct function and settings of all regulation, control and safety devices during the test run.
8. Check the control system in the indoor unit using the functions described in the manual. Timer, temperature settings and all mode settings.
9. Check the overheating, outdoor, indoor, outlet and vaporisation temperatures and record the measured values in the commissioning report.
10. Remove the pressure gauge.

Final tasks

- Use the remote control to set the target temperature to the required value.
- Re-fit all the dismantled parts.
- Familiarize the operator with the system.



NOTE

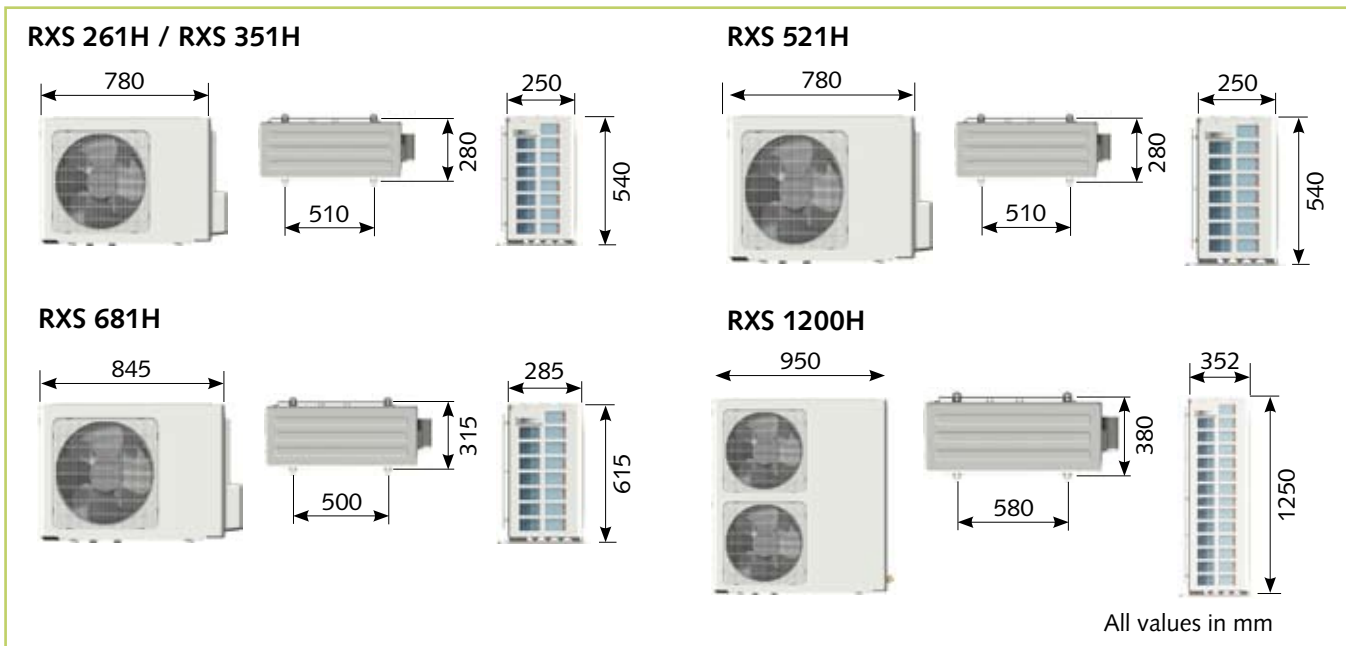
Check that the stop valves and valve caps are tight after carrying out any work on the refrigerant circuit. If necessary, use appropriate sealant products.

Functional test for heating mode.

1. Switch the supply voltage on.
2. Use the remote control to switch on the unit and select the heating mode, maximum fan speed and highest target temperature.
3. Measure and record all the required values in the commissioning report and check the safety functions.
4. Check the control system for the unit using the functions described in the chapter "Operation".
Timer, temperature setting, fan speeds.

REMKO RXS H

Unit dimensions



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

Technical data

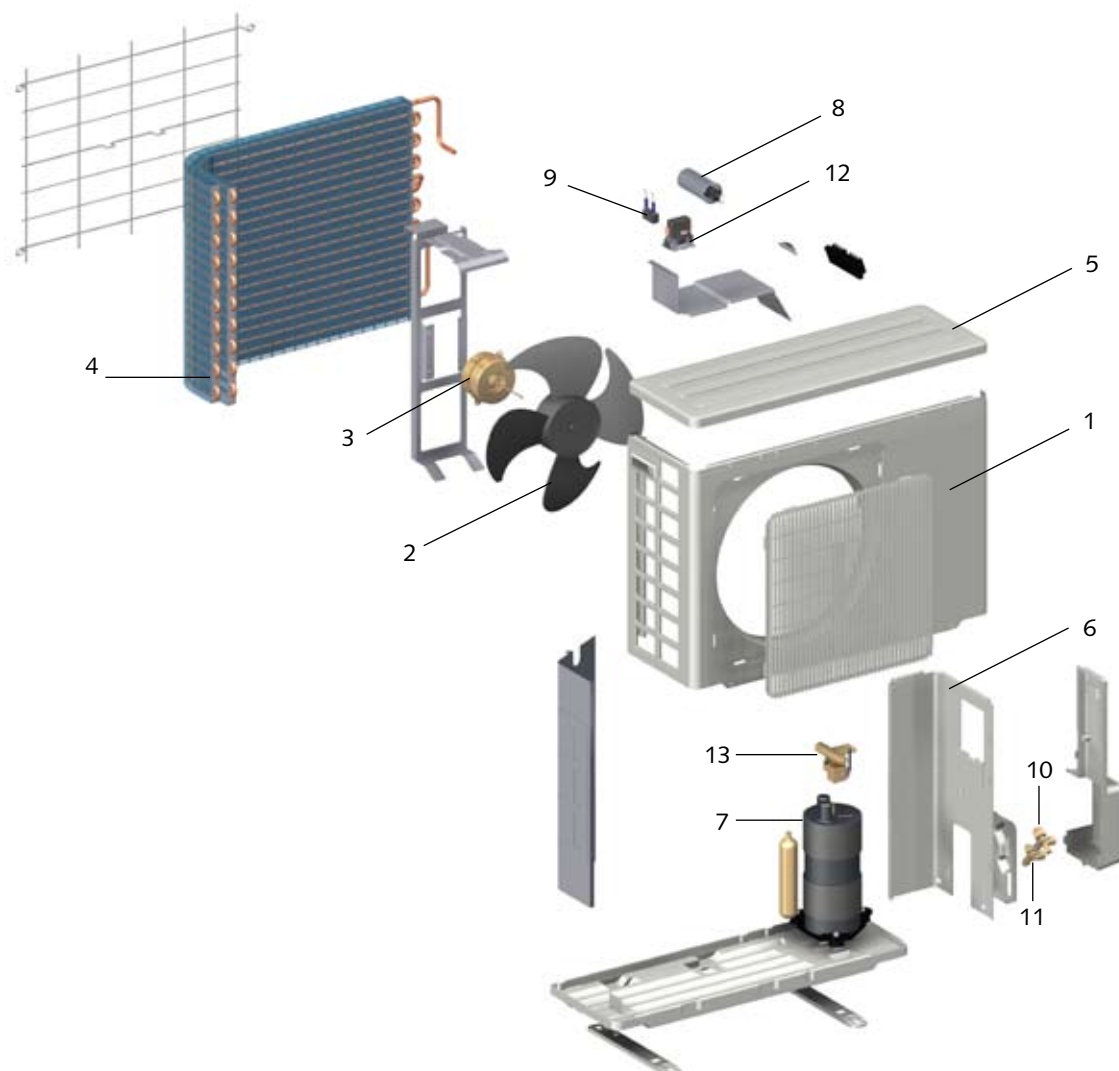
Series		RXS 261H	RXS 351H	RXS 521H	RXS 681H	RXS 1200H
Operating mode		Outdoor component for cooling/heating				
Nominal cooling output ¹⁾	kW	2,69	3,59	5,27	6,84	12,48
Nominal heating output ²⁾	kW	2,96	4,24	6,31	7,72	13,23
Energy efficiency class, cooling ¹⁾		A	A	B	B	C
Energy efficiency ratio EER ¹⁾		3,32	3,23	3,12	3,05	2,81
Energy efficiency class, heating ²⁾		A	A	C	C	D
Coefficient of performance COP ²⁾		3,70	3,66	3,29	3,24	3,01
Working range of outdoor component, cooling	°C	+7 to +48 (with optional winter controller -10 to +48)				
Working range of outdoor component, heating	°C	-7 to +25				
Refrigerant		R 410A				
Operating pressure max. / per cooling circuit	kPa	4200 / 4200				
Air flow rate, max.	m ³ /h	1640	1760	2580	3690	6250
Noise output max. ³⁾	dB(A)	51	52	54	56	61
Voltage supply	V/Hz	230 V / 1~ /50 Hz				400V / 1~ /50Hz
Protection degree	IP	X4				24
Nom. electrical power consumption, cooling ¹⁾	kW	0,81	1,11	1,69	2,24	4,42
Electr. nominal power consumption cooling ¹⁾	A	3,6	4,99	7,76	10,43	11,3
Nom. electrical power consumption, heating ²⁾	kW	0,8	1,16	1,92	2,38	4,40
Electr. nominal power consumption heating ²⁾	A	3,61	5,32	8,87	10,75	11,21
Electr. starting current, max.	A	21	28	36	51	66
Refrigerant, basic quantity	kg	0,70	1,00	1,45	1,80	3,70
Refrigerant, additional quantity > 5m	g/m	25	25	25	45	65
Refrigerant connection, injection pipe	Inches (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)
Refrigerant connection, suction pipe	Inches (mm)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	5/8 (15,90)	3/4 (19,10)
Refrigerant pipe, max. length / height	m	25 / 15				
Dimensions Height	mm	540	540	540	615	1250
Width	mm	780	780	780	845	950
Depth	mm	250	250	250	285	352
Weight	kg	30,0	34,0	40,0	48,0	110,0
Serial number		810...	811...	812...	813...	814...
Computerised part no.		1619215	1619220	1619225	1619230	1619240

1) Air inlet temperature TK 35°C / FK 24°C, max. air flow rate, 5m pipe length in combination with RXW 261-681 / RXD 1200

2) Outdoor temperature TK 7°C / FK 6°C, max. air flow rate, 5m pipe length in combination with RXW 261-681 / RXD 1200

3) At distance of 1 m

Product illustration



Spare parts list

No.	Designation	RXS 261H	RXS 351H	RXS 521H	RXS 681H	RXS 1200H
1	Front panel	1107800	1107813	1107826	1107838	1107850
2	Fan blade, liquefier	1107801	1107814	1107827	1107839	1107851
3	Fan motor, liquefier	1107802	1107815	1107828	1107840	1107852
4	Ribbed liquefier	1107803	1107816	1107829	1107841	1107853
5	Cover panel	1107804	1107817	-	-	1107854
6	Side panel, right	1107805	1107818	-	-	1107855
7	Compressor, complete	1107806	1107819	1107830	1107842	1107856
8	Condenser, compressor	1107807	1107820	1107831	1107843	1107857
9	Condenser, liquefier fan	1107808	1107821	1107832	1107844	1107858
10	Stop valve, suction pipe	1107809	1107822	1107833	1107845	1107859
11	Stop valve, injection pipe	1107810	1107823	1107834	1107846	1107860
12	Compressor contactor	1107811	1107824	1107835	1107847	1107861
13	Reverse flow valve	1107812	1107825	1107836	1107848	1107862
Spare parts (not illustrated)						
	Rear panel with side section	-	-	1107837	1107849	1107863

When ordering spare parts, please state the computerised part no., unit number and type (see identification plate) !

REMKO ACROSS EUROPE

*... and in your area!
Profit from our experience and advice*



REMKO GmbH & Co. KG.
Klima- und Wärmetechnik

Im Seelenkamp 12 · 32791 Lage
Postfach 1827 · 32777 Lage
Telephone +49 5232 606-0
Fax +49 5232 606-260
E-mail info@remko.de
Internet www.remko.de

Hotline
+49 5232 606-0

Export
+49 5232 606-130

Consultancy

Intensive training means our consultants are always up-to-date with the latest developments. This has given us the reputation of being more than just a good and reliable supplier:

REMKO, a partner who helps solve problems.

Sales

REMKO not only has a well-established sales network at home and abroad, it also employs highly trained sales specialists.

REMKO Our field staff are more than just salesmen: above all, they must advise our clients in the areas of air conditioning and heating technology.

Customer Service

Our equipment is precise and reliable. However, should a fault should occur REMKO customer service is quickly at your side. Our comprehensive network of experienced dealers guarantees quick and reliable service.

