

ARCTIC HEAT PUMPS

Quick heat in the winter at sub-zero temperatures | pleasant coolness in the summer
Air/air system for heating and cooling



Issue 2021



REMKO – THE SYSTEM PROVIDER

About REMKO

REMKO is a globally active company for heating and air-conditioning technology. Our highly efficient product range comprises hot air heating systems, dehumidifiers, air-conditioning systems and air-conditioners, as well as future-looking heat pumps. Since 1976, we have grown consistently with the requirements of our customers as a medium-sized company. Extensive experience, innovative product development and reliable service are our strengths when it comes to needs-based solutions in the areas of heating, air-conditioning and dehumidifying.

Services

With our CheckServ offering and a well-developed network of qualified expert partners, we guarantee competent consultation and reliable support. From planning to installation and subsequent maintenance, we are available to our customers as a reliable contact partner at all times. If a malfunction occurs, our emergency service team is happy to help.

Our quality claim

With our products, we do not orient ourselves on existing solutions, but rather we develop and implement our own innovative technical concepts. In the process, our high quality standards for our products has been the foundation of REMKO's success for over 40 years. In cooperation with recognised testing institutes, all REMKO products are tested on our in-house test stands according to the latest European standards. Certificates confirm our sustainable quality assurance system.

Spare part service

In addition to accessory articles, REMKO offers spare parts for all its products that the customer can order conveniently online. The spare part search can also be used to find spare parts for older models. The quickest possible delivery is naturally part of the service provided by REMKO.

<https://www.remko.de/ersatzteil-suche/>



AIR-CONDITIONING

Air-Conditioners
Cold Water Air-Conditioning Systems



HEAT

Mobile Hot Air Heating Systems
Stationary Hot Air Heating Systems



NEW ENERGIES

Heat pumps
Modular power houses



DEHUMIDIFICATION

Dehumidifiers
High-Performance Fans



AIR CLEANING

Air purifier



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REMKO ML-ARCTIC SERIES

Wall-mounted units for heating and cooling



REMKO ML-ARCTIC SERIES

Reduce energy consumption through better efficiency

The REMKO ML-ARCTIC series air/air heat pump works extremely efficiently. If the room temperature decreases, the inverter adapts precisely to the required heating capacity. This results in only minimal temperature fluctuations and thus longer full load heating. This not only saves on energy costs, but also prevents unnecessary start-up sounds.



BioClean system

Disinfects the room air by means of bipolar ionisation.

- Easy wall installation
- Inverter technology saves energy costs. This translates to maximum comfort, as temperature fluctuations in exiting air are reduced to a minimum.
- Automatic adjustment of the air flow in heating and cooling mode
- Programmable 24-hour timer function
- With infrared remote control in the standard version
- 3D swing function
- Microprocessor-controlled unit technology
- The outdoor units are filled with R32 refrigerant at the factory.
- Temperature-controlled winter fan speed control for heating operation to -20°C (standard)

Accessories

- Refrigerant lines
- Wall and floor brackets
- Condensation pump
- REMKO Smart-Control Touch SC-1



Technical data

Unit type		ML 265 ARCTIC	ML 355 ARCTIC	ML 525 ARCTIC	ML 685 ARCTIC
Heating capacity	kW	2.9 (0.8-3.4)	3.8 (1.1-4.4)	5.6 (3.1-5.8)	7.3 (1.6-8.2)
Energy efficiency rating for heating ¹⁾		A++	A++	A+	A+
Energy efficiency size SCOP ¹⁾		4.6	4.6	4.0	4.0
Energy consumption, annual, Q _{HE} ¹⁾	kWh	743	791	1435	1724
Cooling capacity	kW	2.6 (1.0-3.2)	3.5 (1.4-4.3)	5.3 (3.4-5.9)	7.0 (2.1-8.2)
Energy efficiency class - cooling		A+++	A+++	A++	A++
Energy efficiency size SEER		9.3	8.5	7.0	6.5
Energy consumption, annual, Q _{CE}	kWh	98	146	265	390
Refrigerant ⁴⁾		R32	R32	R32	R32
Basic filling volume / CO ₂ equivalent	kg/t	0.62/0.42	0.62/0.42	1.10/0.74	1.45/0.98
Usage area (room size) approx.	m ³	80	110	160	230
Operating range – indoor unit	°C/% rel. hum.	+16 to +30/35 to 65	+16 to +30/35 to 65	+16 to +30/35 to 65	+16 to +30/35 to 65
Operating range – outdoor unit – cooling	°C	+5 to +50	+5 to +50	+5 to +50	+5 to +50
Operating range – outdoor unit – heating	°C	-20 to +30	-20 to +30	-20 to +30	-20 to +30
Air flow rate indoor unit max.	m ³ /h	259/429/521	294/478/539	420/505/750	640/830/1020
Sound pressure level per speed - indoor unit ²⁾	dB(A)	22/30/37	22/30/38	27/33/42	31/42/47
Sound pressure level, Silent/Turbo mode ²⁾	dB(A)	20/39	21/41	26/45	26/49
Max. sound power indoor unit/outdoor unit	dB(A)	53/60	55/62	57/65	63/67
Voltage supply	V/Ph/Hz	230/1~/50	230/1~/50	230/1~/50	230/1~/50
Refrigerant connection, injection pipe	Inch	1/4	1/4	1/4	3/8
Refrigerant connection, suction pipe	Inch	3/8	3/8	1/2	5/8
Condensate drain connection Ø	mm	18	18	18	18
Max. refrigerant line length/height	m	25/10	25/10	30/20	50/25
Dimensions - indoor unit H/W/D	mm	290/722/187	297/802/189	319/965/215	335/1080/226
Dimensions - outdoor unit H/W/D	mm	555/839/314	555/839/314	554/874/346	673/962/380
Weight – indoor/outdoor unit	kg	7.4/26.7	8.2/26.7	9.0/33.5	13.7/43.9
Ref. no.		1636265	1636355	1636525	1636685

¹⁾ Average temperature period

²⁾ Distance 1 m in open air

⁴⁾ GWP = 675

ACCESSORIES

Arctic heat pumps



Smart-Control Wi-Fi stick

Enables a direct Wi-Fi connection with the REMKO SmartWeb portal and control by app.
Available from summer 2021

Wi-Fi stick for device type	Ref. no.
ML ARCTIC	1613235



Refrigerant lines, running metre

For unit type	Ø	Ref. no.
ML 265-355 ARCTIC	1/4/3/8	1613181
ML 525 ARCTIC	1/4/1/2	1613193
ML 685 ARCTIC	3/8/1/2	1613192



Wall brackets

For mounting to suitable faces and masonry, including vibration dampers

For device type	Bracket	Ref. no.
ML 265-355 ARCTIC	WKM-500	1613122
ML 525-685 ARCTIC	WKM-600	1613123



Floor bracket BK-600 Plus

Robust floor bracket made of reinforced rubber with high intrinsic weight and good damping properties. For outdoor climate units. Length 0.6 m

For device type	Ref. no.
ML-ARCTIC	1613127



Condensate drip pan including oil separator

Made of aluminium for outdoor unit, including temperature-controlled condensate drainage heating, leaf guard grating, and oil separator.

For unit type	Ref. no.
ML-ARCTIC	1613232



Condensate pump KP-8

For air-conditioners for draining condensate. With reservoir, alarm contact, and connecting tubes in the standard version.

For unit type	Ref. no.
ML-ARCTIC	1613125



Condensate pump KP-6

Only intended for vertical installation and removal of condensate through the ceiling in conjunction with wall-mounted units.

For device type	Ref. no.
ML-ARCTIC	1613251



Condensate pump KP-6U

For easy, low-maintenance mounting under wall-mounted air conditioners

For unit type	Ref. no.
ML-ARCTIC	1613251



Condensate tube, 16 mm Ø

Suitable for 16 and 18 mm connection ports. Ivory coloured

For unit type	Length	Ref. no.
ML-ARCTIC	50 m	1613052
ML-ARCTIC	Running metre	1613053



Condensate tube, loose, 6 mm Ø
Suited for connection to condensate pump
KP-8, KP-6 and KP-6U.

Length	Ref. no.
100 m	1613065
20 m	1613066
Running metre	1613067



Cabled remote control KFB-3
Including connecting cable for on-site extension

For unit type	Ref. no.
ML ARCTIC	1613278
Connecting cable for the connection of additional units with a KFB-3	1613277
Display board For the connection of KFB-3 to unit series ML	1613286



Refrigerant additive filling
Only for refrigerant lines fitted on site.
Lump-sum service fee for factory refilling of
refrigerant based on 5 m pipe length:

	Ref. no.
Single-split outdoor units	992560

REMKO QUALITY WITH SYSTEMS

Climate | Heating | New energies

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