

FIRST-RATE
ENERGY EFFICIENCY FOR YOUR HOME

GROUND SOURCE HEAT PUMPS FROM SCANDINAVIA





OUR STORY FROM THE NORTH

This is Finland – the land of cold, dark, and snowy winters.

When the winter comes, we can say goodbye to the light and the warmth of the sun. And yet, life must, and does, go on.

The harsh winter conditions in these parts have taught us to use reliable, energy-efficient solutions for heating our homes.

Furthermore, we have deep respect for the nature surrounding us; we cherish the clean, fresh air we breathe and the stillness of our forests.

To preserve our shared home, we have developed heating solutions that utilize renewable energy sources instead of traditional fossil fuels.

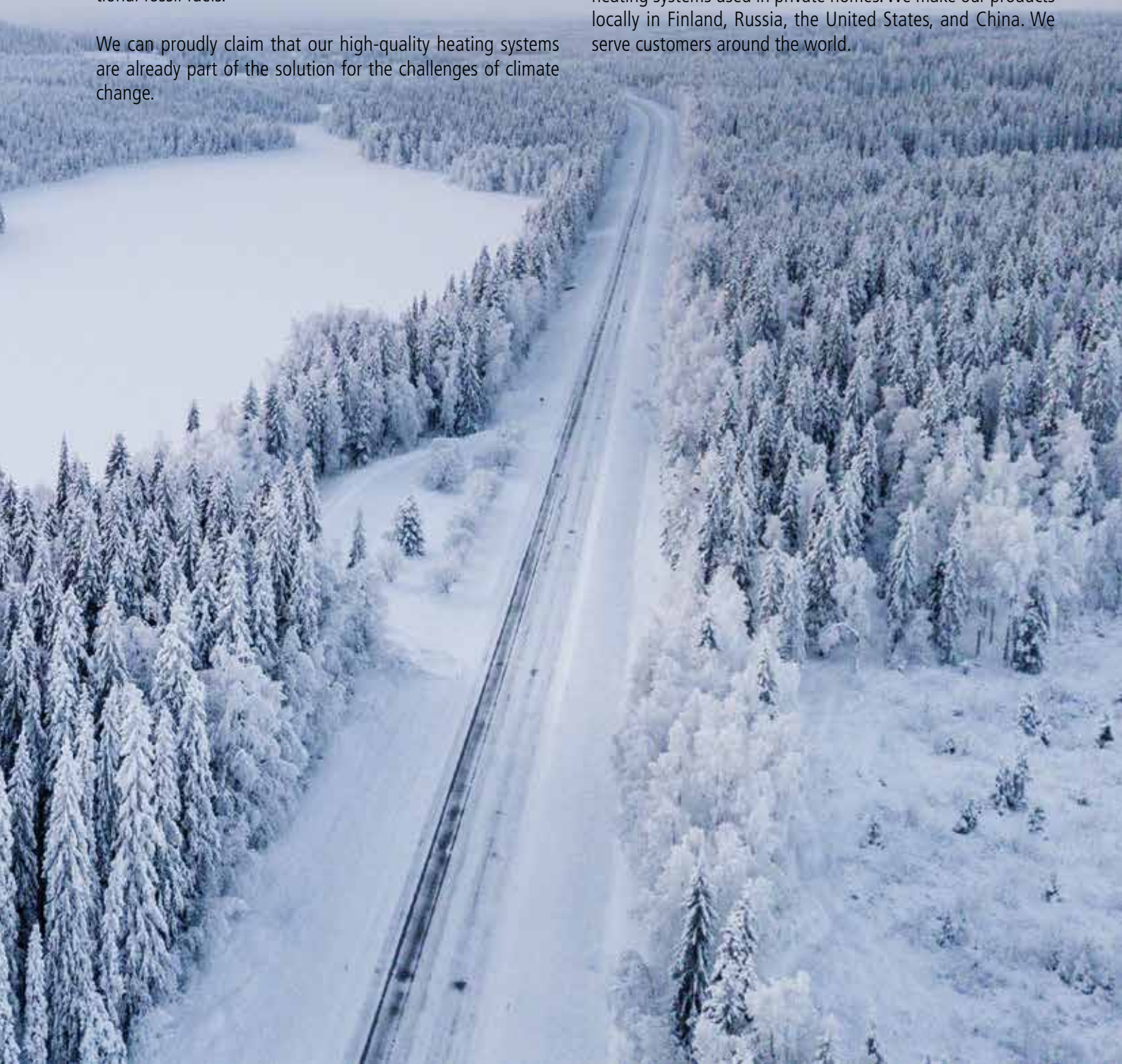
We can proudly claim that our high-quality heating systems are already part of the solution for the challenges of climate change.

OILON GROUP

Founded in 1961, Oilon is a Finnish family-owned energy and environmental technology company with global presence.

We specialize in environmental technology with a strong focus on product development. The key areas of our product development include improving energy efficiency, lowering emission levels, and developing solutions that utilize renewable energy sources.

Our products are used in power plants, waste management facilities, marine boiler systems, district heating plants, heating, cooling, and refrigeration solutions for large buildings, and heating systems used in private homes. We make our products locally in Finland, Russia, the United States, and China. We serve customers around the world.



SOLUTIONS FOR HEAT PRODUCTION, COOLING, AND DOMESTIC HOT WATER HEATING

Our extensive range of high-quality geothermal heating solutions serves both the housing and the industrial sector.

We offer an extensive range of heat pumps for single-family homes, terraced houses, apartment buildings, public buildings, and industrial locations.

BENEFITS

Our ground source heat pumps offer many benefits over traditional heating systems:

HIGH ENERGY EFFICIENCY WITH LOW OPERATING COSTS

Being very efficient, our heat pump systems have low operating costs. Replacing or upgrading an existing heating system with a ground source heat pump will reduce operating costs by up to 75 per cent, which means that your investment will pay itself back in a couple of years.

AN ENVIRONMENTALLY FRIENDLY SOLUTION

Ground source heat pumps utilize renewable energy sources instead of fossil fuels. By utilizing geothermal heat, you can minimize your impact on the climate.

ENJOY THE PEACE AND QUIET

Our heat pumps make less noise than a dishwasher. Making the system as quiet as possible has been a priority in our product design.

MODERN DESIGN FROM SCANDINAVIA

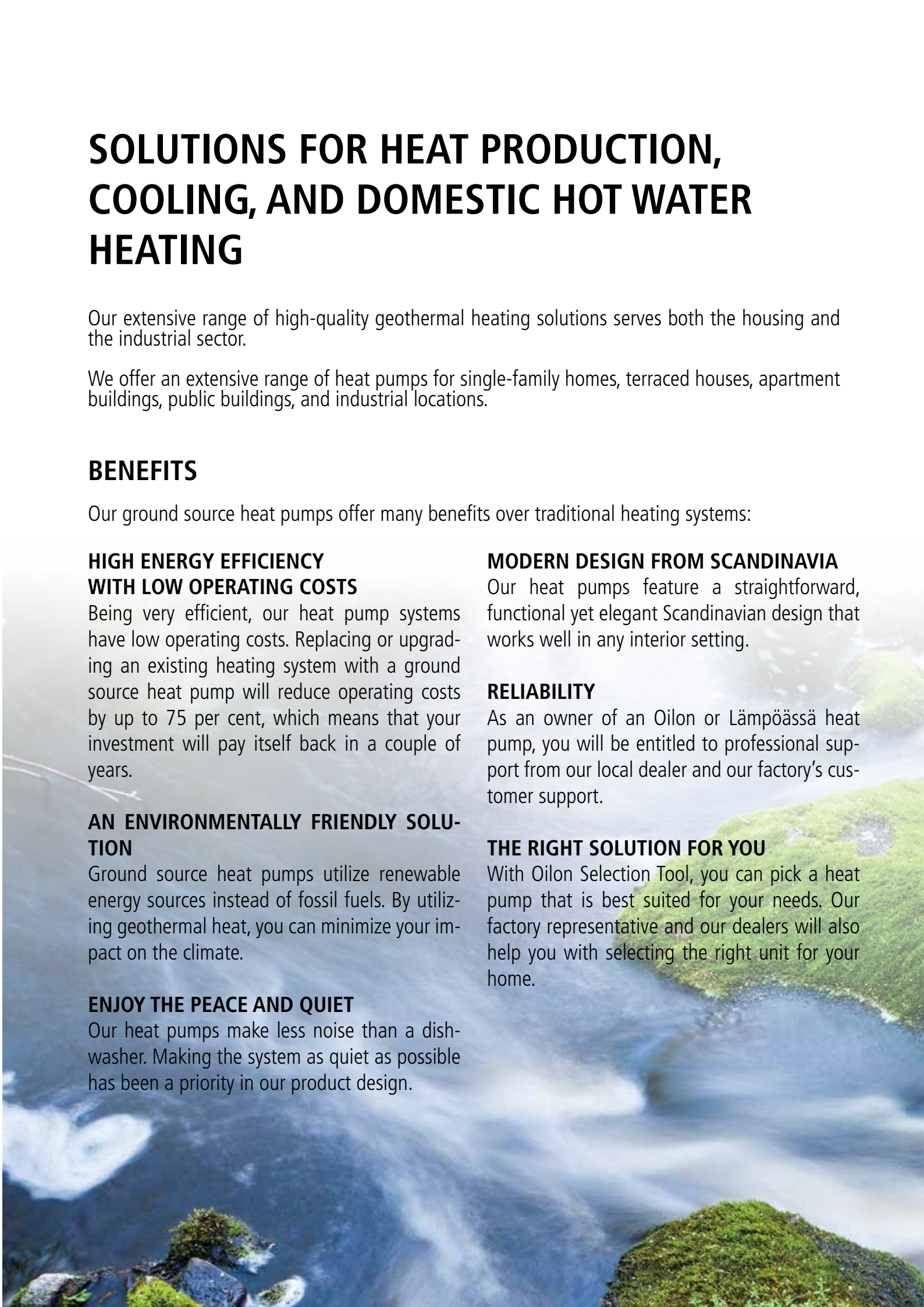
Our heat pumps feature a straightforward, functional yet elegant Scandinavian design that works well in any interior setting.

RELIABILITY

As an owner of an Oilon or Lämpöässä heat pump, you will be entitled to professional support from our local dealer and our factory's customer support.

THE RIGHT SOLUTION FOR YOU

With Oilon Selection Tool, you can pick a heat pump that is best suited for your needs. Our factory representative and our dealers will also help you with selecting the right unit for your home.



CUBE Inverter+

Innovation in energy efficiency

For homes up to 400 m² (4,300 ft²)

High domestic hot water production

High domestic hot water temperature

Online/mobile control

Quiet operation



Weather has a great impact on how much heating is required.

MODERN INVERTER

Thanks to the latest Inverter+ technology, Oilon CUBE Inverter+ adapts flexibly to your heating needs. When less heating is required, the system doesn't produce any excess heat, saving both energy and the environment.

TOP QUALITY FROM SCANDINAVIA

Oilon CUBE Inverter+ provides both domestic hot water and heating for your home. Thanks to its durable, nearly 200-liter stainless steel water tank, there is plenty of hot water to go around.

SMART

CUBE Inverter+ features a range of Smart Grid (SG) functions. These functions can be used to improve your home's energy efficiency even further. For example, you can set the heat pump to turn on the heating only at night, when electricity is cheaper.



ALWAYS WITH YOU

Using a CUBE Inverter+ heat pump is effortless; you can install a mobile app on your phone to monitor and control your unit. The HomeControl IC app is available for both iOS and Android operating systems.

CUBE

Economical heating for comfortable living

NEW!

Despite its affordable pricing and small size, Oilon CUBE is a real giant for space and DHW heating. Thanks to its durable, nearly 200-liter stainless steel water tank, there is plenty of hot water to go around. A CUBE heat pump fits neatly into a utility room or similar space.

EASY-TO-USE EasyAce SMART CONTROL

With decades of experience of the challenging heating conditions in Scandinavia, our experts have created a new, effortless way of managing heating to ensure maximum savings in heating costs. This makes heating

- Easier
- More economical
- Smarter

Wireless touch screen included in the delivery!

For homes up to 400 m² (3,200 ft²)

High domestic hot water production

Cooling straight from the ground almost for free

Wi-Fi control

High domestic hot water temperature

Quiet operation

Wireless touch screen included



BRINGING CONVENIENCE AND SUSTAINABILITY TO A NEW LEVEL

Choose a ground source heat pump that will take care of the heating for you economically. Now everyone in the household can manage your home's heating easily anywhere – also with a smartphone app. The system has lots of settings for accurate optimization and maximum savings. BOOST and AWAY modes are also available at a swipe of a finger.



VSi

Compact and quiet

A VSi ground source heat pump is quiet and compact, allowing it to be placed in a utility room or similar space. VSi heat pumps offer the largest storage tank (230 l) in their size class, and they can be connected to an ÄssäCooling unit.

EASY AND CONVENIENT TO CONTROL AND MONITOR

ÄssäControl systems have a touch screen with function shortcuts, making it easy to control your heat pump. Thanks to LAN and WLAN connectivity, you can even control and monitor your system online.

SUPERHEAT TECHNOLOGY

Thanks to superheat technology, VSi has by far the highest domestic hot water output in its class. The unit has a built-in superheat tank with two sections (230 l total), maximizing the benefits of the technology.

For homes up to 300 m² (3,200 ft²)

Very high domestic hot water production

Geothermal cooling

Online control



ÄSSÄ | CONTROL



ÄssäControl is a control solution that allows users to remotely manage their entire geothermal energy system, including heating, cooling, and domestic hot water production. Thanks to its touch screen and versatile function shortcuts, an ÄssäControl control panel is very easy to use.

The control system collects historical data for analysis, allowing you to control the system more efficiently. Remote control (through WLAN, GPRS, or fixed connection) is also available as an option, allowing the entire system to be monitored remotely.

VMi

First-rate domestic hot water production with superheat technology

VMi is a high-capacity solution especially suited as the main heating system for both new and renovated residential buildings and holiday homes, including apartment-specific heating in terraced houses or semi-detached houses. VMi is the best option for locations with a large floor area and very high domestic hot water usage.

Thanks to superheat technology, Lämpöässä VMi is able to provide both heating and cooling for living spaces as well as domestic hot water conveniently and sustainably all year round. The unit has the largest (430-l) built-in DHW tank in the market, guaranteeing that there is always plenty of hot water available.

VMi products have all the necessary fittings and heating circuits built in, making for a neat and tidy package after installation.

MANAGE YOUR HEAT PUMP WITH ÄSSÄ-CONTROL

ÄssäControl systems have a touch screen with function shortcuts, making it easy to control your heat pump. Thanks to LAN and WLAN connectivity, you can even control and monitor your system online. VMi heat pumps come with cooling and solar collector connections built in.

For homes up to 500 m² (5,400 ft²)

First-rate domestic hot water production with superheat technology

Geothermal cooling

Online control

Built-in installation fittings and accessories



ÄSSÄ CONTROL



ÄssäControl is a control solution that allows users to remotely manage their entire geothermal energy system, including heating, cooling, and domestic hot water production. Thanks to its touch screen and versatile function shortcuts, an ÄssäControl control panel is very easy to use.

The control system collects historical data for analysis, allowing you to control the system more efficiently. Remote control (through WLAN, GPRS, or fixed connection) is also available as an option, allowing the entire system to be monitored remotely.

ECO Inverter+

Environmentally friendly energy efficiency in a small package

Thanks to the latest Inverter+ technology, Oilon ECO Inverter+ will adapt flexibly to your heating needs. When less heating is required, the system doesn't produce any excess heat, saving both energy and the environment.

OUR SMALLEST INVERTER

Oilon ECO Inverter+ is an excellent option for older buildings with a higher-than-average demand for heating water. When combined with a buffer tank or a domestic hot water tank, ECO Inverter+ becomes a first-rate heating solution.

SMART CONTROL

Oilon ECO Inverter+ features a range of Smart Grid (SG) functions. These functions can be used to improve your home's energy efficiency even further. For example, you can set the heat pump to turn on the heating only at night, when electricity is at its cheapest.

Especially for older, renovated buildings

High domestic hot water output

Hybrid heating as an option

Very high temperature output

Online/mobile control

Built-in switchboard

Quiet operation



ALWAYS WITH YOU

Oilon ECO Inverter+ heat pumps have a separate control panel, making them very simple and easy to use. You can even control and monitor the unit with your mobile phone. The HomeControl IC app is available for both iOS and Android operating systems.

ECO

Flexible, compact, and powerful

NEW!

ECO's small exterior hides a serious little powerhouse. When combined with an external storage tank, ECO is a high-quality yet economical basic solution. ECO is easy to connect to an existing system, such as a wood-fired boiler, an oil heating system, or an electric storage heater.

HIDDEN TECHNOLOGY

Thanks to its small size, ECO can be easily installed in almost any building. The unit is easy to transport and move anywhere and it blends in well with utility room cabinets, for example.

EASY-TO-USE EasyAce SMART CONTROL

With decades of experience of the challenging heating conditions in Scandinavia, our experts have created a new, effortless way of managing heating to ensure maximum savings in heating costs. This makes heating

- Easier
- More economical
- Smarter

Wireless touch screen included in the delivery!

Agile solution for new buildings and heating retrofits alike

High domestic hot water output

Cooling straight from the ground almost for free

Very high temperature output

Wi-Fi control

Built-in switchboard

Quiet operation

Wireless touch screen included



BRINGING CONVENIENCE AND SUSTAINABILITY TO A NEW LEVEL

Choose a ground source heat pump that will take care of the heating for you economically. Now everyone in the household can manage your home's heating easily anywhere – also with a smartphone app. The system has lots of settings for accurate optimization and maximum savings. BOOST and AWAY modes are also available at a swipe of a finger.



ESi

Compact and flexible

E series heat pumps were designed for demanding use in buildings ranging from private homes to industrial buildings.

ESi heat pumps work well in both new and renovated homes, semi-detached and terraced houses, industrial buildings, and farms. Being small, an ESi unit fits well in a cramped space, such as a basement. ESi is the perfect solution for buildings where an existing heating system supplements the heat pump or serves as a backup.

COMPREHENSIVE CONTROL SYSTEM FOR GROUND SOURCE HEAT PUMPS

ÄssäControl systems have a touch screen with function shortcuts, making it easy to control your heat pump. You can even use a smartphone or tablet to control and monitor your system online. ESi heat pumps come with cooling and solar collector connections built in.

SUPERHEAT TECHNOLOGY

Thanks to superheat technology, ESi has a very high domestic hot water production. This technology works best with a two-section storage tank or two separate storage tanks (domestic hot water + heating). Superheat technology always delivers the best possible result.

For homes up to 500 m² (5,400 ft²)

Very high domestic hot water production

Geothermal cooling

Online control

Built-in circulation pumps



ÄSSÄ | CONTROL



ÄssäControl is a control solution that allows users to remotely manage their entire geothermal energy system, including heating, cooling, and domestic hot water production. Thanks to its touch screen and versatile function shortcuts, an ÄssäControl control panel is very easy to use.

The control system collects historical data for analysis, allowing you to control the system more efficiently. Remote control (through WLAN, GPRS, or fixed connection) is also available as an option, allowing the entire system to be monitored remotely.

EMi

Flexible solution

E series heat pumps were designed for demanding use in buildings ranging from private homes to industrial buildings.

EMi and ELi heat pumps are used for heating single-family homes, terraced houses, and apartment buildings. They are also well suited for providing heating for public buildings, industrial locations, and farms.

COMPREHENSIVE CONTROL SYSTEM FOR GROUND SOURCE HEAT PUMPS

ÄssäControl systems have a touch screen with function shortcuts, making it easy to control your heat pump. You can even use a smartphone or tablet to control and monitor your system online.

SUPERHEAT TECHNOLOGY

Thanks to superheat technology, EMI has a very high domestic hot water production. This technology works best with a two-section storage tank or two separate storage tanks (domestic hot water + heating). Superheat technology always delivers the best possible result.

For up to 800-m² (8,600-ft²) buildings

Very high domestic hot water production

Geothermal cooling

Online control

Built-in circulation pumps



ÄSSÄ | CONTROL



ÄssäControl is a control solution that allows users to remotely manage their entire geothermal energy system, including heating, cooling, and domestic hot water production. Thanks to its touch screen and versatile function shortcuts, an ÄssäControl control panel is very easy to use.

The control system collects historical data for analysis, allowing you to control the system more efficiently. Remote control (through WLAN, GPRS, or fixed connection) is also available as an option, allowing the entire system to be monitored remotely.

ELi

Flexible solution

GROUND SOURCE HEAT PUMP WITH SUPERHEAT TECHNOLOGY

E series heat pumps were designed for demanding use in buildings ranging from private homes to industrial buildings.

EMi and ELi heat pumps are used for heating single-family homes, terraced houses, and apartment buildings. They are also well suited for providing heating for public buildings, industrial locations, and farms.

COMPREHENSIVE CONTROL SYSTEM FOR GROUND SOURCE HEAT PUMPS

ÄssäControl systems have a touch screen with function shortcuts, making it easy to control your heat pump. You can even use a smartphone or tablet to control and monitor your system online.

SUPERHEAT TECHNOLOGY

Thanks to superheat technology, ELi has a very high domestic hot water production. This technology works best with a two-section storage tank or two separate storage tanks (domestic hot water + heating). Superheat technology always delivers the best possible result.

For up to 1,500-m² (16,000-ft²) buildings

Very high domestic hot water production

Geothermal cooling

Online control

Built-in circulation pumps



ÄSSÄ CONTROL



ÄssäControl is a control solution that allows users to remotely manage their entire geothermal energy system, including heating, cooling, and domestic hot water production. Thanks to its touch screen and versatile function shortcuts, an ÄssäControl control panel is very easy to use.

The control system collects historical data for analysis, allowing you to control the system more efficiently. Remote control (through WLAN, GPRS, or fixed connection) is also available as an option, allowing the entire system to be monitored remotely.

RE

First-rate performance for large buildings

Oilon RE was designed with medium-sized and large buildings in mind, which makes it a perfect ground source heat pump for terraced houses, apartment buildings, public buildings, and industrial locations.

FIRST-RATE EVI TECHNOLOGY

Oilon RE maintains an excellent performance and reliability even in demanding conditions.

SMALL AND POWERFUL

These small but extremely powerful heat pumps run very quietly and are easy to maintain and service.

UNPARALLELED CONNECTIVITY

The RE heat pump family consists of compressor unit modules. Each module has a different capacity, and they can be combined freely to create an optimal solution for almost any need. Oilon RE heat pumps work very well with layered storage tanks. The necessary tanks and ports are selected based on heat pump performance and the required heating capacity.

Designed with Finnish terraced houses, apartment buildings, and industrial properties in mind

Efficient hot water production

Hybrid and solar heat ready

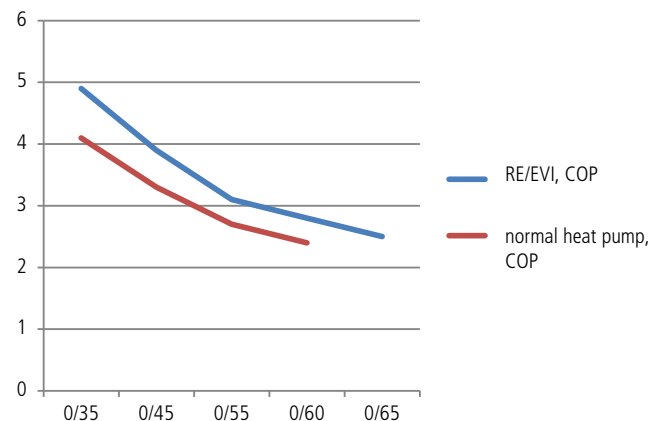
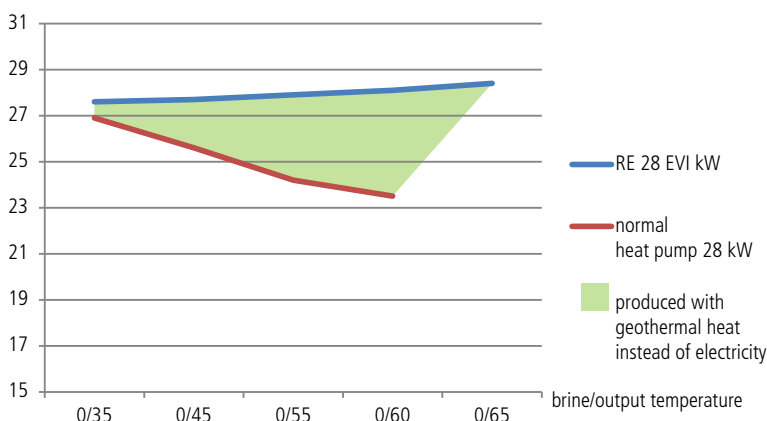
Suitable for household cooling

EVI technology

Very high temperature output



Oilon RE EVI vs. normal ground source heat pump



TECHNICAL DATA

CUBE Inverter+

		2-9	3-12
Performance (EN 14511 0/35)	Heating capacity, kW	2-9	3-12
	Coefficient of Performance (COP)	4.9	4.9
Performance (EN 14511 0/45)	Heating capacity, kW	2-9	3-12
	Coefficient of Performance (COP)	3.8	3.8
SCOP/SPF		5.4	5.4
Energy efficiency class	Space heating	A+++	A+++
Energy efficiency class	Domestic hot water heating	A+	A+
Water from condenser*	°C	67	65
Refrigerant		R-410A	R-410A
GWP value		2,088	2,088
Refrigerant charge	kg	1.2	1.2
Refrigerant charge	CO ₂ -eq t	2.5	2.5
Electrical connection		3/N/PE 400 V 50 Hz	
Fuses	Fuse rating, A**	3 x 16	
Weight	Empty/filled with water, kg	256/456	
Dimensions	Height x width x depth, mm***	1,910 x 599 x 626	

* ΔT 5 °C, brine circuit value -1 °C

** Without simultaneous use of compressor and electric in-line heater

*** Dimensions without model-specific pipe connections.

Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

CUBE

		6	8	10	13	
Performance (EN 14511 0/35)	Heating capacity, kW	5.6	7.4	10.0	12.7	Control methods: Mobile device, wireless touch screen delivered with the unit Built-in Wi-Fi, wireless connection as standard Can be set up for room temperature control (with an additional sensor)
	Coefficient of performance (COP)	4.4	4.6	4.8	4.8	
Performance (EN 14511 0/45)	Heating capacity, kW	5.4	7.1	9.6	12.2	
	Coefficient of Performance (COP)	3.4	3.5	3.7	3.7	
SCOP/SPF, EN 14825 (0/35)		5.1	5.6	5.6	5.6	
SCOP/SPF, EN 14825 (0/55)		3.9	4.0	4.2	4.2	
SPF, domestic hot water (brine +3)		3.3	3.3	3.3	3.3	
SPF, domestic hot water (brine -3)		3.1	3.1	3.1	3.1	
Energy efficiency class	Space heating	A++	A++	A+++	A+++	
Energy efficiency class	Domestic hot water heating	A	A	A	A	
Water from condenser	°C	68	68	68	68	
Refrigerant		R-410A	R-410A	R-410A	R-410A	
GWP value		2,088	2,088	2,088	2,088	
Refrigerant charge	kg	0.65	0.90	1.10	1.25	
Refrigerant charge	CO ₂ equiv. t	1.357	1.879	2.297	2.610	
Electrical connection		3/N/PE 400 V 50 Hz				
Fuses	Fuse rating, A*	16	16/20	16/20	16/20	
Weight	Empty/filled with water, kg	243/431	244/432	245/433	255/443	
Dimensions	Height x width x depth, mm**	1,910 x 600 x 630				

* The smaller fuse rating applies at max. capacity in configurations where the heat pump (compressor) and in-line heater are not simultaneously powered on. Always check the fuse rating from electric diagrams. ** Without model-specific pipe connections.

VSi

		6	8	10	12	14
Performance (EN 14511 0/35)	Heating capacity, kW	6.14	8.44	10.44	11.84	15.04
	Coefficient of Performance (COP)	5	4.96	4.84	4.77	4.75
Performance (EN 14511 0/55)	Heating capacity, kW	5.5	7.75	9.82	10.83	14.02
	Coefficient of Performance (COP)	3.19	3.3	3.17	3.14	3.25
SCOP/SPF		5.14	5.24	5.13	4.89	5.08
Energy efficiency class	Space heating	A+++	A+++	A+++	A+++	A+++
Energy efficiency class	Domestic hot water heating	A+	A+	A+	A+	A+
Max. domestic hot water	°C	60	60	60	60	60
Refrigerant		R407C	R407C	R407C	R407C	R407C
GWP value		1,774	1,774	1,774	1,774	1,774
Refrigerant charge	kg	1.4	1.4	1.8	1.8	1.8
Refrigerant charge	CO ₂ equiv. t	0.00	0.00	0.00	0.00	0.00
Electrical connection		3/N/PE 400 V 50 Hz				
Fuses	Fuse rating, A*	3 x 10 (16)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)
Weight	Empty/filled with water, kg	330 / 590	332 / 592	334 / 594	338 / 598	340 / 600
Dimensions	Height x width x depth, mm	1,830 x 595 x 680				

*The smaller fuse rating is sufficient, when the system's nominal capacity has been determined, and the built-in electric immersion heater is reserved for backup use only. Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

VMi		6	9	11	14	17
Performance (EN 14511 0/35)	Heating capacity, kW	8.44	10.44	12.38	15.64	17.75
	Coefficient of Performance (COP)	4.96	4.84	4.97	4.88	4.84
Performance (EN 14511 0/55)	Heating capacity, kW	7.75	9.82	11.45	14.47	16.71
	Coefficient of Performance (COP)	3.3	3.17	3.33	3.33	3.25
SCOP/SPF		5.24	5.13	5.29	5.31	5.22
Energy efficiency class	Space heating	A+++	A+++	A+++	A+++	A+++
Energy efficiency class	Domestic hot water heating	A+	A+	A+	A+	A+
Max. domestic hot water	°C	60	60	60	60	60
Refrigerant		R407C	R407C	R407C	R407C	R407C
GWP value		1,774	1,774	1,774	1,774	1,774
Refrigerant charge	kg	1.4	1.9	2.0	2.5	2.6
Refrigerant charge	CO ₂ equiv. t	2.48	3.37	3.55	4.44	4.61
Electrical connection		3/N/PE 400 V 50 Hz				
Fuses	Fuse rating, A*	3 x 10 (16)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)
Weight	Empty/filled with water, kg	422 / 842	426 / 846	440 / 860	450 / 870	458 / 878
Dimensions	Height x width x depth, mm	1,830 x 1,020 x 700				

*The smaller fuse rating is sufficient, when the system's nominal capacity has been determined, and the built-in electric immersion heater is reserved for backup use only.

Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

ECO Inverter+

		2-9	3-12	7-25
Performance (EN 14511 0/35)	Heating capacity, kW	2-9	3-12	7-25
	Coefficient of Performance (COP)	4.9	4.9	4.9
Performance (EN 14511 0/45)	Heating capacity, kW	2-9	3-12	7-25
	Coefficient of Performance (COP)	3.8	3.8	3.8
SCOP/SPF		5.4	5.4	5.4
Energy efficiency class	Space heating	A+++	A+++	A+++
Energy efficiency class	Domestic hot water heating	A+	A+	A+
Water from condenser*	°C	67	65	65
Refrigerant		R-410A	R-410A	R-410A
GWP value		2,088	2,088	2,088
Refrigerant charge	kg	1.2	1.2	1.5
Refrigerant charge	CO ₂ equiv. t	2.5	2.5	3.13
Electrical connection		3/N/PE 400 V 50 Hz		
Fuses	Fuse rating, A**	3 x 16	3 x 16	3 x 32
Weight	kg	148		160
Dimensions	Height x width x depth, mm***	655 x 525 x 562		

* $\Delta T 5$ °C, brine circuit value -1 °C

** Without simultaneous use of compressor and electric in-line heater.

*** Dimensions without model-specific pipe connections.

ECO

		6	8	10	13	17	21
Performance (EN 14511 0/35)	Heating capacity, kW	5.6	7.4	10.0	12.7	17.0	21.1
	Coefficient of Performance (COP)	4.4	4.6	4.8	4.8	4.7	4.8
Performance (EN 14511 0/45)	Heating capacity, kW	5.4	7.1	9.6	12.2	16.2	20.1
	Coefficient of performance (COP)	3.4	3.5	3.7	3.7	3.7	3.7
SCOP/SPF, EN 14825 (0/35)		5.1	5.6	5.6	5.6	5.5	5.6
SCOP/SPF, EN 14825 (0/55)		3.9	4.0	4.2	4.2	4.1	4.2
SPF, domestic hot water (brine +3)		3.3	3.3	3.3	3.3	3.3	3.3
SPF, domestic hot water (brine -3)		3.1	3.1	3.1	3.1	3.1	3.1
Energy efficiency class	Space heating	A++	A++	A+++	A+++	A+++	A+++
Energy efficiency class	Domestic hot water	A	A	A	A	A	A
Water from condenser	°C	68	68	68	68	68	68
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410
GWP value		2,088	2,088	2,088	2,088	2,088	2,088
Refrigerant charge	kg	0.65	0.90	1.10	1.25	2.00	2.10
Refrigerant charge	CO ₂ equiv. t	1.357	1.879	2.297	2.610	4.176	4.385
Electrical connection		3/N/PE 400 V 50 Hz					
Fuses	Fuse rating, A*	10/16	10/20	16/20	16/20	20/25	20/25
Weight	kg	126	128	129	140	145	150
Dimensions	Height x width x depth, mm**	638 x 525 x 562					

Control methods: Mobile device, wireless touch screen delivered with the unit

Built-in Wi-Fi, wireless connection as standard

Can be set up for room temperature control (with an additional sensor)

Can be set up to control a 6-kW in-line heater (contactors ready in the unit)

* The smaller fuse rating applies, if an in-line heater hasn't been installed or the heater is powered on only during a fault. Always check the fuse rating from electric diagrams.

** Without model-specific pipe connections.

ESi		6	9	11	14	17
Performance (EN 14511 0/35)	Heating capacity, kW	8.44	10.44	12.38	15.64	17.75
	Coefficient of Performance (COP)	4.96	4.84	4.97	4.88	4.84
Performance (EN 14511 0/55)	Heating capacity, kW	7.75	9.82	11.45	14.47	16.71
	Coefficient of Performance (COP)	3.3	3.17	3.33	3.33	3.25
SCOP/SPF		5.24	5.13	5.29	5.31	5.22
Energy efficiency class	Space heating	A+++	A+++	A+++	A+++	A+++
Max. domestic hot water	°C	60	60	60	60	60
Refrigerant		R407C	R407C	R407C	R407C	R407C
GWP value		1,774	1,774	1,774	1,774	1,774
Refrigerant charge	kg	1.4	1.9	2.0	2.5	2.6
Refrigerant charge	CO ₂ equiv. t	2.48	3.37	3.55	4.44	4.61
Electrical connection		3/N/PE 400 V 50 Hz				
Fuses	Fuse rating, A**	3 x 10 (16)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)	3 x 16 (20)
Weight	Empty/filled with water, kg	174	178	192	202	210
Dimensions	Height x width x depth, mm***	1,450 x 595 x 680				

*The smaller fuse rating is sufficient, when the system's nominal capacity has been determined, and the built-in electric immersion heater is reserved for backup use only.

Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

EMi		22	22P	28	28P	43	43P
Performance (EN 14511 0/35)	Heating capacity, kW	22.42	22.42	29.52	29.52	46.19	46.19
	Coefficient of Performance (COP)	4.49	4.49	4.56	4.56	4.50	4.50
Performance (EN 14511 0/55)	Heating capacity, kW	20.71	20.71	26.75	26.75	42.83	42.83
	Coefficient of Performance (COP)	3.16	3.16	3.10	3.10	3.22	3.22
SCOP/SPF		4.98	4.98	5.09	5.09	5.06	5.06
Energy efficiency class	Space heating	A+++	A+++	A+++	A+++	A+++	A+++
Domestic hot water, max.	°C	60	60	60	60	60	60
Refrigerant		R407C	R407C	R407C	R407C	R407C	R407C
GWP value		1,774	1,774	1,774	1,774	1,774	1,774
Refrigerant charge	kg	4.9	4.7	5.0	4.8	5.9	5.7
Refrigerant charge	CO ₂ equiv. t	8.69	8.34	8.87	8.52	10.47	10.11
Electrical connection		3/N/PE 400 V 50 Hz					
Fuses	Fuse rating (A)	3 x 25	3 x 25	3 x 25	3 x 25	3 x 50	3 x 50
Weight	kg	395	387	395	387	420	412
Dimensions	Height x width x depth, mm	1,450 x 920 x 680					

Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

ELi		60	60P	90	90P
Performance (EN 14511 0/35)	Heating capacity, kW	60.69	60.69	91.03	91.03
	Coefficient of Performance (COP)	4.64	4.64	4.51	4.51
Performance (EN 14511 0/55)	Heating capacity, kW	58.13	58.13	86.24	86.24
	Coefficient of Performance (COP)	3.08	3.08	3.05	3.05
SCOP/SPF		5.05	5.05	-	-
Energy efficiency class	Space heating	A+++	A+++	-	-
Max. domestic hot water	°C	60	60	60	60
Refrigerant		R410A	R410A	R410A	R410A
GWP value		2,088	2,088	2,088	2,088
Refrigerant charge	kg	8.7	8.5	10.0	9.8
Refrigerant charge	CO ₂ equiv. t	18.17	17.75	20.88	20.46
Electrical connection		3/N/PE 400 V 50 Hz			
Fuses	Fuse rating, A**	3 x 63	3 x 63	3 x 100	3 x 100
Weight	kg	515	505	605	595
Dimensions	Height x width x depth, mm***	1,450 x 1,200 x 680			

Refrigerant circuit: contains fluorinated greenhouse gases, hermetically sealed

Oilon RE
RE 28 04 RE 28 HT 04 RE 33 04 RE 38 04 RE 42 04 RE 48 04 RE 56 04 RE 56 HT 04 RE 66 04 RE 76 04 RE 84 04 RE 96 04

Performance EN 14511 0/35	Heating capacity, kW	27.6	27.7	32.3	36.5	41.5	47.7	55.2	55.4	64.6	73.0	83.0	95.4
	COP	4.9	4.4	4.8	4.7	4.8	4.8	4.9	4.4	4.8	4.7	4.8	4.8
Performance EN 14511 0/60	Heating capacity, kW	28.1	24.4	33.9	38.1	42.5	49.1	56.2	48.8	67.8	76.2	85.0	98.2
SCOP (EN 14825)		5.4	4.8	5.4	5.3	5.4	5.4	5.4	4.8	5.4	5.3	5.4	5.4
SPF		5.6	4.8	5.6	5.5	5.6	5.6	5.6	4.8	5.6	5.5	5.6	5.6
Brine circuit ΔT 3 °C, design flow rate for the brine circuit	m ³ /h	6.66	6.48	7.76	8.69	9.94	11.40	13.31	12.96	15.52	17.37	19.88	22.81
Brine circuit ΔT 5 °C, min. allowed flow rate for the brine circuit	m ³ /h	3.99	3.89	4.66	5.21	5.96	6.84	7.99	7.77	9.31	10.42	11.93	13.68
Energy efficiency class*	Space heating (2019)	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Water from condenser	Max °C	68	75	68	68	68	68	68	75	68	68	68	68
Refrigerant		R-410A	R-134a	R-410A	R-410A	R-410A	R-410A	R-410A	R-134a	R-410A	R-410A	R-410A	R-410A
GWP value		2,088	1,430	2,088	2,088	2,088	2,088	2,088	1,430	2,088	2,088	2,088	2,088
Electrical connection		3 x 400 V											
Fuses	Input fuse rating, A***	3 x 25	3 x 40	3 x 32	3 x 40	3 x 40	3 x 50	3 x 80	3 x 63	3 x 80	3 x 80	3 x 80	3 x 100
Ground source heat pump connections	Condenser connections, ISO 228 outer thread	G 1¼											
	Evaporator connections, ISO 228 outer thread	G 2											
Weight	kg	280						530					
Dimensions	Height x width x depth, mm**	930 x 970 x 710						1,830 x 970 x 710					

* Units up to 70 kW BOM35

** Dimensions without model-specific pipe connections.

*** Rating stated in the compressor type plate + standard condenser circuit pumps, 1~ + default brine circuit pump + automation system.

For more detailed information, see the heat pump installation and operating manual.

To ensure that the heat pump's stated heating capacity and COP can be achieved, use a brine pump with sufficient capacity.

When you know the loop field's pressure loss, you can select a brine pump with sufficient capacity.

If necessary, contact our regional sales team. We will help you with the choice.

STORAGE TANKS



Storage tank selection:

- Storage tank volume: 200–2,000 l, available with or without coils. Some models feature soft detachable insulation segments.
- Several coil sizes available (LK35–LK120).
- Stainless steel domestic hot water tanks with or without electric immersion heaters.
- Both round and square tanks available.
- Superheat tanks with baffles.

ÄSSÄCOOLING



Two wall-mounted options: ÄssäCooling Cs4 and Cs6

Cooling capacity	Main dimensions, mm (H x W x D)	Cooled floor area, m ²
Cs4: 3,760 W	Cs4: 315 x 824 x 245	Cs4: 80–200
Cs6: 6,340 W	Cs6: 315 x 1,147 x 245	Cs6: 200–300

Two ceiling-mounted options: ÄssäCooling Ck5 and CK9

Cooling capacity	Main dimensions, mm (H x W x D)	Cooled floor area, m ²
Ck5: 5,380 W	Ck5: 40 x 720 x 720	Ck5: 80–200
Ck9: 8,800 W	Ck9: 55 x 950 x 950	Ck9: 200–300



Oilon Selection Tool

OILON SELECTION TOOL

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To ask for a quote or contact the dealer nearest you, visit:
<https://oilon.com/en-gb/contact-us/dealers-and-maintenance-companies/>



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