



FIRST-RATE
ENERGY EFFICIENCY

Oilon 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 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 cleantech company. Oilon has over 60 years of experience in generating heat for private residences as well as large residential buildings, district heating networks, and for a variety of industrial processes, and nearly 20 years of experience in high-capacity heat pumps and cooling solutions. Oilon is internationally renowned as a forerunner in the heating and refrigeration fields. Oilon also offers an extensive service network, guaranteeing long and cost-effective life for the products.

Solutions for heat production, cooling, and domestic hot water heating

Our extensive range of high-quality ground source 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 few of years.

An environmentally friendly solution

Ground source heat pumps utilize renewable energy sources instead of fossil fuels. By utilizing ground source heating, 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 heat pump, you will be entitled to professional support from a local dealer as well as 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



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.

First-rate quality

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 available.

For homes up to 400 m² (4,300 ft²)



High domestic hot water production



High domestic hot water temperature



Online/mobile control
(optional equipment)



Quiet operation



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.

Remote connection (accessory)

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 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 EasyAce

Economical heating for comfortable living



For homes up to 400 m² (4,300 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



For its affordable pricing and small size, Oilon CUBE EasyAce 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 available. CUBE EasyAce fits easily into a utility room or similar space.

Simple 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, smarter, and more economical.

A ground source heat pump provides economical heating conveniently throughout the year. Now everyone in the household can manage your home's heating easily anyplace – also with a smartphone app. The system has lots of settings for accurate optimization and maximum savings. Activate the BOOST or the AWAY mode with a touch of a finger.

CUBE EasyAce		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
	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+++	Built-in Wi-Fi, wireless connection as standard
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	Can be set up for room temperature control (with an additional sensor)
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 -eq 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.

ECO Inverter

With EasyAce smart control



Agile solution for new buildings
and renovated houses alike

High domestic hot water output

Extremely high temperature output

Wi-Fi control

Built-in switchboard

Quiet operation

Wireless touch screen included

Cooling straight from
the ground almost for free



If you need the best adaptability and the greatest savings, the ECO Inverter EasyAce ground source heat pump is a safe and wise choice. Thanks to our modern inverter technology, the heat pump is able to adapt exactly to the current need for heating.

ECO Inverter is incredibly powerful for its size. The unit connects to a separate buffer tank and the brine circuit neatly from the back. ECO Inverter heat pumps are easy to move and they fit almost anywhere. The heat pump's housing is tightly enclosed, resulting in extremely quiet operation.

Bringing convenience and sustainability to a new level

A ground source heat pump provides economical heating conveniently throughout the year. Now everyone in the household can manage your home's heating easily anyplace—also with a smartphone app. The system has lots of settings for accurate optimization and maximum savings. Activate the BOOST or the AWAY mode with a touch of a finger.

ECO Inverter 7-25		7-25	
Performance (EN 14511 0/35)	Heating capacity, kW	7-25	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 (external supply required)
	Coefficient of Performance (COP)	4.8	
Performance (EN 14511 0/45)	Heating capacity, kW	7-25	
	Coefficient of Performance (COP)	3.7	
SCOP/SPF		5.4	
Energy efficiency class	Space heating	A+++	
Energy efficiency class	Domestic hot water heating	A+	
Water from condenser	°C	68	
Refrigerant		R-410A	
GWP value		2,088	
Refrigerant charge	kg	1.8	
Refrigerant charge	CO ₂ -eq t	3.8	
Electrical connection		3/N/PE 400 V 50 Hz	
Fuses	Fuse rating, A*	3 x 25	
Weight	kg	136	
Dimensions	Height x width x depth, mm**	655 x 525 x 562	

* Without joint use of compressor and in-line heater

** Without model-specific pipe connections.

A brine pump is included in the delivery.

ECO Inverter+

Environmentally friendly energy efficiency in a small package



Especially suited for older, renovated buildings



High domestic hot water output



Hybrid heating as an option



Extremely high temperature output



Online/mobile control (optional equipment)



Built-in switchboard



Quiet operation



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 model

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.

Remote connection (accessory)

Using an ECO 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.

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 -eq 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		

* ΔT 5 °C, brine circuit value -1 °C

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

*** Dimensions without model-specific pipe connections.

A brine pump is not included in the delivery.

ECO EasyAce

Flexible, compact, and powerful



When combined with an external storage tank, ECO EasyAce 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 boiler.

Hidden technology

Thanks to its small size, ECO EasyAce 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.

Agile solution for new buildings and renovated houses alike



High domestic hot water output



Cooling straight from the ground almost for free



Extremely high temperature output



Wi-Fi control



Built-in switchboard



Quiet operation



Wireless touch screen included



Easy-to-use EasyAce smart control

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

A ground source heat pump provides economical heating conveniently throughout the year. 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. Activate the BOOST or the AWAY mode with a touch of a finger.

ECO EasyAce		6	8	10	13	17	21	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)
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 -eq 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						

* 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.

RE

Top performance, quiet as a whisper



Scandinavian workmanship
for large buildings and HR applications



Efficient hot water production



Support for hybrid and solar heating



Cooling straight from
the ground almost for free



Groundbreaking EVI technology



Extremely high
temperature output



More quiet than ever



Modbus RTU interface for building
automation as standard



Online/mobile control
(optional equipment)



RE is a heat pump intended for large buildings and properties. It is a professional choice for public buildings, industrial locations, apartment buildings, and terraced houses. Besides heating, RE heat pumps can be used in cooling and heat recovery applications.

More quiet than ever

To properly attenuate vibrations, we have delved deep into finding sources of vibration and understanding how vibrations are transmitted.

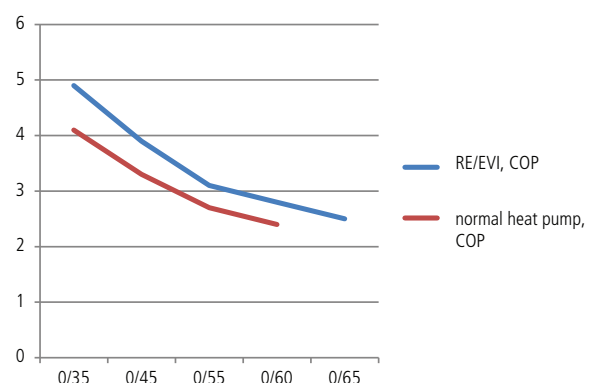
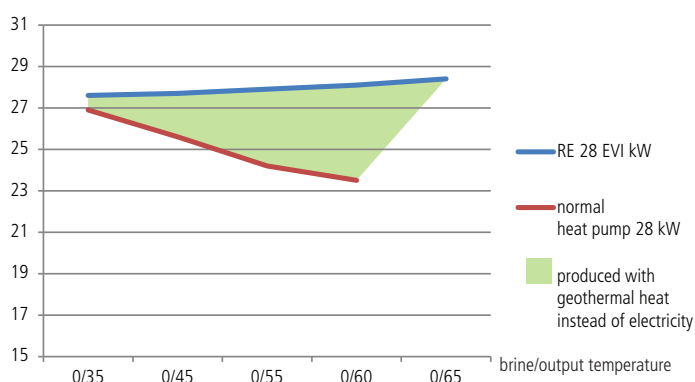
A professional choice

The renewed RE heat pump range is quieter and more energy efficient than before, and it offers superb reliability. Thanks to outstanding EVI technology, the heat pumps are capable of high temperature output and reliability.

Unparalleled connectivity

The RE heat pump family consists of compressor unit modules. Each module has a different capacity, and they can be combined freely.

Oilon RE EVI vs. normal ground source heat pump



RE		RE 28 05	RE 33 05	RE 38 05	RE 42 05	RE 48 05	RE 56 05	RE 66 05	RE 76 05	RE 84 05	RE 96 05
Performance (EN 14511 0/35)	Heating capacity, kW	27.4	32	36.1	41.1	47.2	54.7	63.9	72.2	82.2	94.5
	COP	4.9	4.9	4.7	4.8	4.8	4.9	4.9	4.7	4.8	4.8
Performance (EN 14511 0/65)	Heating capacity, kW	28.1	33.9	38.2	42.6	48.9	56.2	67.9	76.4	85.1	97.8
SCOP (EN 14825)		5.7	5.5	5.3	5.4	5.4	5.7	5.5	5.3	5.4	5.4
SPF		5.7	5.5	5.3	5.4	5.4	5.7	5.5	5.3	5.4	5.4
Brine circuit design flow rate	m3/h	6.51	7.57	8.48	9.71	11.13	13.01	15.14	16.95	19.41	22.27
Brine circuit minimum flow rate	m3/h	3.04	3.69	4.16	4.69	5.42	6.08	7.38	8.32	9.38	10.84
Energy efficiency class*	Space heating	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Max. heating water temperature	°C	68	68	68	68	68	68	68	68	68	68
GWP value		2,088									
Contains fluorinated greenhouse gases		yes									
Hermetically sealed device		yes									
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge	kg	5.250	5.200	5.300	5.100	5.100	5.250 + 5.250	5.200 + 5.200	5.300 + 5.300	5.100 + 5.100	5.100 + 5.100
Refrigerant charge	CO2-eq t*	10.962	10.858	11.066	10.649	10.649	10.962 + 10.962	10.858 + 10.858	11.066 + 11.066	10.649 + 10.649	10.649 + 10.649
Electrical connection		3 x 400 V									
Fuse **	A	3 x 25	3 x 32	3 x 40	3 x 40	3 x 40	3 x 50	3 x 63	3 x 80	3 x 80	3 x 80
Ground source heat pump connections	Condenser connections, ISO 228 outer thread	G 1½									
	Evaporator connections, ISO 228 outer thread	G 2									
Sound pressure level	dB(A)	43–48					47–52				
Weight	kg	303					572				
Depth (incl. exchanger connections)	Height x width x depth, mm	930 x 970 x 750					1,830 x 970 x 750				

*Units up to 70 kW B0/W35

*** 400 V compressor + condenser pump + collector pump + automation equipment, standard-sized circulating pumps

RE, the pump (or pumps) for charging storage tanks is included in the delivery, but the brine pump (or pumps) is not included.

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).
- Both round and square tanks available.
- Storage tanks with a baffle.

ÄssäCooling system



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 makes it easy and simple to browse through our wide product selection and to select the right product and accessories for your needs. With our user-friendly software, you can select several products for quick comparison and perform advanced system calculations. The software allows you to view extensive product information and calculation results and create detailed technical specifications.

Download Oilon Selection Tool for Windows, Mac, or Linux from the Oilon website, address: www.oilon.com/oilon-selection-tool.

Contact us

We cooperate with our partners through an extensive sales and service network. To find the best heating solution for your needs, please contact one of our partners.

To ask for a quote or contact the dealer nearest you, visit:

<https://oilon.com/en-gb/contact-us/dealers-and-maintenance-companies/>