

Model	Thermal power, kW	COP	SCOP	Refrigerant quantity, kg	Dimensions	Refrigerant type
IGLU Aleut Max 24	24,85	4,54	5,71	2,8	910×800×1400	R407C
IGLU Aleut Max 36	35,5	4,65	5,76	3,5	910×800×1400	R407C
IGLU Aleut Max 45	43,98	4,45	5,77	3,8	910×800×1400	R410A
IGLU Aleut Max 70	71,08	4,58	5,75	12,8	910×1500×1400	R410A
IGLU Aleut Max 90	87,3	4,53	5,66	15,30	910×1500×1400	R410A

COP - heat pump coefficient of performance

SCOP - heat pump seasonal coefficient of performance



Why install a geothermal heating system in a renovated apartment building?

- 1 After renovation works in a block of flats the residents of the building pay for heat approximately **40-70 %** less than before the renovation.
- 2 Minimise dependence on district heating networks - geothermal heating system produces at least 85-90 % of the required energy.
- 3 Up to **30 %** of the renovation costs and up to **51 %** for heat pumps are eligible for public support.
- 4 During the heating season, IGLU® Aleut Max heat pumps produce up to **6.5 kW** of heat energy from 1 kW of electricity.



IGLU heat pumps are compatible with both underfloor heating and radiator, making them ideal for renovating old and inefficient heating systems.

IGLU Heat Pumps warranty is for 2 years (with an option to continue up to 5 years).

Fastest response to disturbances and failures



Manufacturer's service

Warranty and post-warranty IGLU Aleut MAX heat pump maintenance and commissioning is carried out by the manufacturer's local service centre.



Remote service

IGLU heat pumps are connected to a remote service platform, which helps to detect and solve problems without calling a technician to the facility.

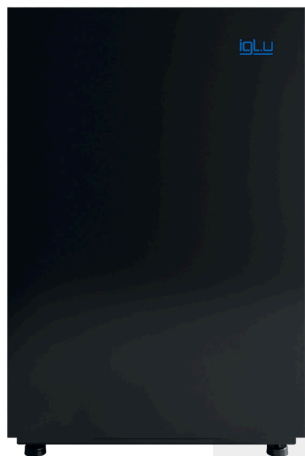
Visit our website for more information on heat pumps and geothermal heating:
www.iglutech.eu



iglu

INDUSTRIAL GROUND SOURCE HEAT PUMPS IGLU ALEUT MAX

FOR PRIVATE HOUSES, SEMI-DETACHED
HOUSES, AND RURAL TOURISM
HOMESTEADS



Ground source heat pumps **IGLU Aleut Max**

Extremely powerful ground source heat pumps for renovated and newly built apartment buildings, industrial and public facilities. It uses free energy stored underground to produce heat and ensures minimal heating costs.

Innovative

Manufactured with next-generation technologies and solutions

Geothermal

Using inexhaustible clean energy from the depths of the earth

Lithuanian

Developed in a climatic zone where temperatures range as high as 50°C

Universal

Performing both space heating and cooling functions



Heating, cooling and hot water preparation

Three functions in one device

The new generation IGLU Aleut Max heat pumps use clean energy stored underground not only for premises heating, but also for cooling and hot water preparation.

State-of-the-art heat pump components

Greater efficiency means lower costs

Carefully selected and coordinated components of heat pumps allow efficient use of energy from renewable sources and ensure minimum heating costs.

Special online platform

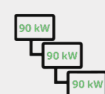
Remote control from anywhere in the world

There is a possibility to connect to the heat pump and control the device through a special online platform. It is also possible to monitor the operating parameters of the heating system, electricity consumption and produced thermal energy.

IGLU Aleut Max – a solution for green efficient buildings, where **environmental protection** and zero **CO2 emissions** are highest priorities

Energy class

A++



Possibility of cascade connecting

IGLU® Aleut Max heat pumps can be connected in a cascade to achieve extremely high capacities.



Eligible for state support

Up to 51% of the costs are recovered when a heat pump is installed during the renovation.



Control using a multilingual control panel connecting

The operation of the heat pump can be controlled both remotely and using the control panel.



Active cooling function

If necessary, an active cooling module can be installed in the heat pump.



Up to 5 years warranty

Option to extend standard 2-year warranty for an additional fee.



Low-temperature heat pumps

The temperature of the supplied heat carrier is up to 60 °C.



Low temperature **IGLU® Aleut Max** heat pumps use renewable geothermal energy resources for heat production. This allows for the maximum reduction of heating costs.