

DGPartners

 **IGLOO**

MultiTherma

A+++
A+++

COP
5,5



Cooperation
with PV



Manufacturer's
Warranty



Factory
Service



GSM | LTE
connectivity



R290

**POLISH AIR-TO-WATER INVERTER HEAT
PUMP OF THE MONOBLOCK TYPE**



IGLOO MultiTherma

IGLOO MultiTherma is a line of propane, inverter air-to-water heat pumps in a monoblock design, designed and manufactured by IGLOO - a Polish leader in the refrigeration industry since 1986 with experience in energy-saving.

The product is designed for new and modernized homes, commercial and industrial buildings. IGLOO MultiTherma is a product of the highest efficiency level, as confirmed by very high COP efficiency coefficients of 5.50 and SCOP of 5.36. The device operates quietly and in a way that meets the requirements of work in the Polish climatic zone. It is worth emphasizing that the heat pump operates based on patented technological solutions and the best components.

IGLOO MultiTherma has been distinguished with prestigious awards granted by experts in the field of design and renewable energy. The production process has obtained certification from a reputable auditing company.

The Gold Medal in the Heat Pumps category



The IGLOO MultiTherma heat pump won the Gold Medal in the Heat Pumps category at the 25th Anniversary International ENEX Fair, the most important renewable energy industry event in Poland. The award was given by a group of professionals and experts in the field of renewable energy.

-The Gold Medal of the International ENEX Fair is a very valuable distinction- said Robert Bialik, CEO of IGLOO. -It was awarded by a group of experts and professionals in the field of renewable energy. Our heat pump owes its high energy efficiency to patented solutions in the use of the environmentally friendly and ozone-safe refrigerant R290 (propane)."

„Good Design” award in the category of New Technologies



IGLOO MultiTherma has received the „Good Design” award in the New Technologies category. „Good Design” is the oldest Polish design competition, existing for three decades. Its aim is to promote the best-designed products and services available on the Polish market. The „Good Design” mark is awarded by the Institute of Industrial Design, one of the oldest institutions dealing with industrial design in Europe.

TÜV Rheinland Poland Certificate



Based on the assessment results of auditors, IGLOO is authorized to label its pressure equipment (heat pumps) with the TÜV Rheinland certificate. This confirms the compliance of the devices with the Pressure Equipment Directive 2014/68/EU.

The certifying body is a company with a 150-year tradition, operating on almost all continents. Over the years of its activity, TÜV Rheinland Polska has gained the position of an expert in the field of certification on the domestic market. TÜV experts from various industries, from heavy industry to the food industry, examine products and technologies for quality and safety. TÜV certificates are recognized and valued worldwide.



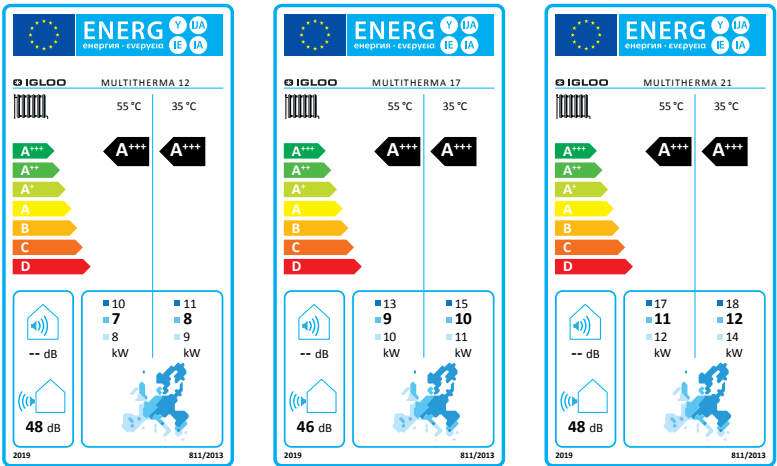
Discover the benefits package of IGLOO MultiTherma heat pumps:

CUT YOUR ENERGY BILLS and generate savings

HIGHEST LEVEL OF ENERGY EFFICIENCY

A+++/A+++ | COP 5,50 | SCOP 5,36

The high COP = 5.50 and SCOP 5.36 (moderate climate) achieved by the MultiTherma heat pump mean that it is very energy efficient and its users pay even less for energy.



ENERGY SELF-CONSUMPTION WITH PHOTOVOLTAICS | SG READY

Intelligent devices efficiently work with photovoltaic installations, maximizing savings and intelligently storing excess produced energy in buffer tanks and underfloor heating installations.

IGLOO MultiTherma - compatibility with heating and cooling solutions:



UNDERFLOOR HEATING



RADIATORS



FAN COILS



HEATERS



AIR CONDITIONING



Discover the benefits package of IGLOO MultiTherma heat pumps:

FOR COMMERCIAL BUILDINGS

efficient operation in a cascade system

In buildings with higher energy demand, cascades allow for extremely economical heating or cooling.

A cascade heat pump system can be used for heating, as well as for cooling and ventilating the building, and heating domestic hot water. IGLOO MultiTherma was created, among other things, for operation in a cascade system of heat pumps. The range of models (12, 17 and 21 kW) allows for flexible creation of heat pump systems consisting of multiple units.



The ElectroBox Cascade module is an indoor unit for connecting, configuring and managing MultiTherma heat pumps operating in cascade systems.



BENEFITS OF HEAT PUMP CASCADES INCLUDE:

- no risk of energy supply interruption to the facility
- matching the system power to the building’s heating and cooling demand
- lower operating costs over the long term
- optimal efficiency range operation.

New buildings | Renovations | Commercial properties





Discover the benefits package of IGLOO MultiTherma heat pumps:

SAFETY

at the highest level

25-YEAR WARRANTY ON THE HOUSING OF THE DEVICE

The revolutionary Magnelis® coating provides unparalleled corrosion resistance and effectively protects the IGLOO MultiTherma heat pump housing against harmful factors atmospheric. You can enjoy durability and aesthetics for many years.



FACTORY SERVICE BY IGLOO

5-year manufacturer’s warranty with the possibility of extension.

PROVEN COMPONENTS AND SPARE PARTS

Since 1986, the company has been cooperating with reliable technological partners and suppliers with an efficient supply chain.

AntiFreeze SYSTEM



These are a series of solutions that ensure proper pump operation in the most difficult conditions, such as defrosting with hot steam and insulated drip trays. Reliable and energy-efficient solutions that have been tested in business applications.

REMOTE MONITORING OF EQUIPMENT OPERATION | IGLOO CLOUD



Each IGLOO MultiTherma heat pump comes with standard GSM | LTE connectivity, allowing your installer to check your device’s parameters at any time and remotely make changes to its settings, reset it, or restore it to factory settings. You can also check if your heat pump is working optimally using the modern and intuitive MultiTherma Mobile mobile application.

As a result, the installer can check the device’s operating parameters at any time and quickly make necessary changes to its settings remotely. The user can remotely control the temperature in the house and check the heat pump’s operation using the modern and intuitive MultiTherma Mobile mobile application.



Discover the benefits package of IGLOO MultiTherma heat pumps:

COMFORT AND INDEPENDENCE YOU EXPECT

LOW NOISE LEVEL - 34 DB (A)*

Low sound intensity generated by heat pumps is an important parameter for owners of such devices. That's why the design of IGLOO MultiTherma offers one of the best results on the market in this range.

* Sound pressure level measured at a distance of 3 m.

MULTITHERMA MOBILE APP

Always and everywhere - everything at hand

The possibility of remote changing of the temperature and setting, e.g. weekly or monthly schedule of heat pump operation.

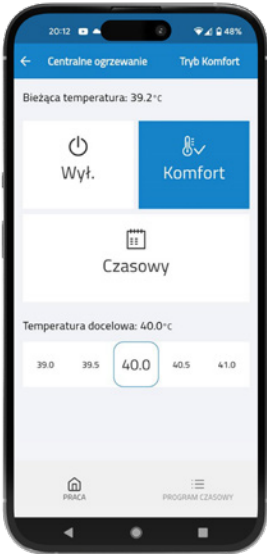
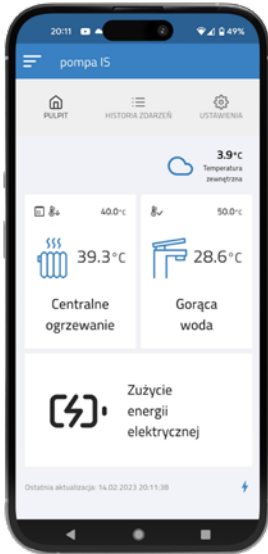
Available on GOOGLE PLAY & APP STORE



GET IT ON
Google Play



Download on the
App Store



IGLOO CLOUD

IGLOO Partner Platform

This tool is designed for our business partners: installers, distribution companies and others who want to create a joint business with us.

Discover the benefits of working with us and using the IGLOO Partner platform:

Remote monitoring of devices and their diagnostics - save time and provide your customers with lightning-fast response.

Possibility of remote configuration of parameters - you no longer need to go to the customer to adjust the settings in their device. You can do it quickly and conveniently through the IGLOO Partner platform.

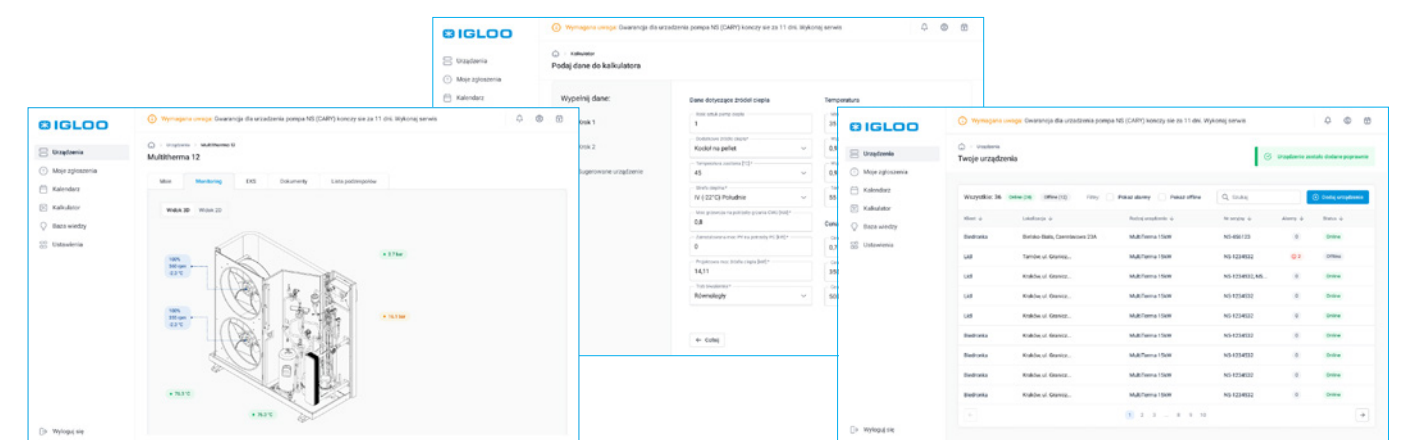
Product knowledge base and full technical documentation - schematics, instructional videos, manuals, and other necessary technical documents.

Selection tools - use our selection calculator or object audit form to more accurately and quickly select the appropriate devices for a given investment.

Automatic alerts and notifications

Calendar - where you can check the date of the first device start-up and the dates of warranty inspections.

And many more...





TAKE CARE OF THE ENVIRONMENT

fight against global warming

NATURAL REFRIGERANT R290

The MultiTherma heat pumps use natural refrigerant R290 (propane). It is ozone-friendly and safe, characterized by a low potential for creating greenhouse effect ($GWP = 3$). The refrigerant is commonly used in air conditioners, refrigerators and other new generation devices.

ECO
FRIENDLY
R 290



Technical information:



MultiTherma 12 kW

Heat pump for new build detached houses and houses undergoing energy refurbishment and cascade systems.

IGLOO MultiTherma - outdoor unit 12 kW

CONSTRUCTION	
Type (based on the heat source)	air / water
Type (based on the construction)	monoblock
Type (based on the performance regulation)	smooth performance regulation
Compressor type	scroll
HEATING	
Energy efficiency class	A+++/A+++
Rated heating capacity (A7/W35)	5,4 kW
Maximum heating capacity (A7/W35)	12,9 kW
COP (A7/W35)	5,43
Maximum heating capacity (A2/W35)	9,3 kW
COP (A2/W35)	4,22
Maximum heating capacity (A-7/W35)	7,9 kW
COP (A-7/W35)	3,40
Rated heating capacity (A7/W55)	4,7 kW
Maximum heating capacity (A7/W55)	11,4 kW
COP (A7/W55)	3,20
Maximum heating capacity (A2/W55)	8,3 kW
COP (A2/W55)	2,60
Maximum heating capacity (A-7/W55)	7,1 kW
COP (A-7/W55)	2,12
COOLING	
Maximum cooling capacity (A35/W18)	10,5 kW
EER (A35/W18)	3,54
REFRIGERATION SYSTEM	
Type of refrigerant	R290 (propane)
Refrigerant charge	2,00 kg
GWP (Global Warming Potential)	3
ODP (Ozone Depletion Potential)	0
CO ₂ equivalent	0,060 t CO ₂ e
PS pressure	30 bar
ELECTRICAL DATA	
Electric power supply	400 V / ~3 / 50 Hz
Maximum electrical power	4,4 kW
IP protection degree	IP24
UPPER HEAT SOURCE	
Heating agent connections	GZ 1" / GZ 1"
DIMENSIONS AND WEIGHT	
Dimensions	1375 x 688 x 1314 mm
Mounting foot spacing	1124 mm
Weight	245 kg
ACOUSTICS	
Sound pressure level	34 db (A)*

* Sound pressure level measured at a distance of 3 m.

Technical information:



MultiTherma 17 kW

Heat pump model used in residential buildings over 200 sq m or in commercial buildings and cascade system.

IGLOO MultiTherma - outdoor unit 17 kW

CONSTRUCTION	
Type (based on the heat source)	air / water
Type (based on the construction)	monoblock
Type (based on the performance regulation)	smooth performance regulation
Compressor type	scroll
HEATING	
Energy efficiency class	A+++ / A+++
Rated heating capacity (A7/W35)	6,7 kW
Maximum heating capacity (A7/W35)	16,4 kW
COP (A7/W35)	5,40
Maximum heating capacity (A2/W35)	11,9 kW
COP (A2/W35)	4,20
Maximum heating capacity (A-7/W35)	10,2 kW
COP (A-7/W35)	3,31
Rated heating capacity (A7/W55)	5,9 kW
Maximum heating capacity (A7/W55)	14,5 kW
COP (A7/W55)	3,17
Maximum heating capacity (A2/W55)	10,5 kW
COP (A2/W55)	2,58
Maximum heating capacity (A-7/W55)	9,1 kW
COP (A-7/W55)	2,10
COOLING	
Maximum cooling capacity (A35/W18)	13,3 kW
EER (A35/W18)	3,54
REFRIGERATION SYSTEM	
Type of refrigerant	R290 (propane)
Refrigerant charge	2,15 kg
GWP (Global Warming Potential)	3
ODP (Ozone Depletion Potential)	0
CO ₂ equivalent	0,065 t CO ₂ e
PS pressure	30 bar
ELECTRICAL DATA	
Electric power supply	400 V / ~3 / 50 Hz
Maximum electrical power	5,8 kW
IP protection degree	IP24
UPPER HEAT SOURCE	
Heating agent connections	GZ 5/4" / GZ 5/4"
DIMENSIONS AND WEIGHT	
Dimensions	1475 x 738 x 1539 mm
Mounting foot spacing	1224 mm
Weight	295 kg
ACOUSTICS	
Sound pressure level	32 db (A)*

* Sound pressure level measured at a distance of 3 m.

Technical information:



MultiTherma 21 kW

Heat pump used in large residential buildings over 400 sq m or in commercial buildings and cascade systems.

IGLOO MultiTherma - outdoor unit 21 kW

CONSTRUCTION	
Type (based on the heat source)	air / water
Type (based on the construction)	monoblock
Type (based on the performance regulation)	smooth performance regulation
Compressor type	scroll
HEATING	
Energy efficiency class	A+++ / A+++
Rated heating capacity (A7/W35)	8,4 kW
Maximum heating capacity (A7/W35)	20,3 kW
COP (A7/W35)	5,50
Maximum heating capacity (A2/W35)	16,0 kW
COP (A2/W35)	4,25
Maximum heating capacity (A-7/W35)	12,3 kW
COP (A-7/W35)	3,42
Rated heating capacity (A7/W55)	7,4 kW
Maximum heating capacity (A7/W55)	18,6 kW
COP (A7/W55)	3,30
Maximum heating capacity (A2/W55)	15,0 kW
COP (A2/W55)	2,69
Maximum heating capacity (A-7/W55)	11,2 kW
COP (A-7/W55)	2,19
COOLING	
Maximum cooling capacity (A35/W18)	16,6 kW
EER (A35/W18)	3,60
REFRIGERATION SYSTEM	
Type of refrigerant	R290 (propane)
Refrigerant charge	2,20 kg
GWP (Global Warming Potential)	3
ODP (Ozone Depletion Potential)	0
CO ₂ equivalent	0,066 t CO ₂ e
PS pressure	30 bar
ELECTRICAL DATA	
Electric power supply	400 V / ~3 / 50 Hz
Maximum electrical power	6,9 kW
IP protection degree	IP24
UPPER HEAT SOURCE	
Heating agent connections	GZ 5/4" / GZ 5/4"
DIMENSIONS AND WEIGHT	
Dimensions	1475 x 738 x 1539 mm
Mounting foot spacing	1224 mm
Weight	305 kg
ACOUSTICS	
Sound pressure level	34 db (A)*

* Sound pressure level measured at a distance of 3 m.

IGLOO MultiTherma

Internal units



BASIC Series

- circulating pump
- 3-way valve with actuator
- electrical distribution board
- user panel (control panel)
- temperature sensor kit.

OPTION:

MultiTherma BASIC HEATBOX - BASIC hydromodule adapter allowing control and operation of external electric heaters.



PRO Series

- circulating pump
- 3-way valve with actuator
- electrical distribution board
- user panel (control panel)
- electric heater
- automatic air vent
- hydraulic clutch
- safety valve
- temperature sensor set.



MANUFACTURER

Polish leader in the refrigeration industry since 1986 with experience in energy saving.



600
employees



52
sales in 52
countries



150 000
devices produced
annually



MultiTherma inverter heat
pumps



Inverter and cogeneration
units



Refrigerated display cabinets



Refrigerated and freezer cabinets



40 000
m² of production halls



150 000
m² factory area



The contents of this catalog should be treated as business information. It does not constitute an offer within the meaning of Article 66 and subsequent of the Civil Code. The appearance of the supplied devices may differ from the photos and drawings. The company IGLOO Sp. z o. o. reserves the right to withdraw products from this catalog as well as to change their final parameters. Products in this catalog only constitute a part of the available trade offer. The employees of our sales department will provide detailed information on the product range.

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