

... close
to your heart

AIR TO WATER
HEAT PUMPS
CATALOGUE
2026



quality enhances
partnership

Sinclair Global Group

ABOUT THE SINCLAIR BRAND

The SINCLAIR brand has a long tradition in the heating technology market and is continuously gaining popularity and trust.

We are a professional company, behind which stands a strong team. We have partners in many countries and we are constantly developing our cooperation. The building blocks of the SINCLAIR Global Group are based on long-term partnerships and quality and competitive products.

We regularly organize technical training sessions to ensure that all our partners are well-informed about our products and have the latest updates on our offerings.

We can find a comfortable solution for any climatic conditions. Both Ontario and Yukon series heat pumps have received Keymark certification.

OUR VISION AND MISSION

Protecting the environment is becoming a fundamental issue for humanity and future generations. For SINCLAIR Global Group, environmental protection is also a key concern.

We strive to apply and develop the latest technologies, that will help to implement new products with higher energy efficiency and which will have a minimal burden on the environment. SINCLAIR products meet the strict standards of the European Union and in many cases even surpass them. SINCLAIR believes in stable, long-term and healthy development, backed by hard work and a strong code of ethics. The long-term success of any brand depends on satisfied customers.

Customers are satisfied when they receive high-quality, reliable, and technically advanced products at a fair price with modern design.

Website navigation: +420 800 100 285, B2B login, Heatpump Management, Search for a product, EN, Social media icons.

Product categories: HOME, PRODUCTS, NEWS, PROJECTS, ARCHIVE, INFORMATION, DOWNLOAD, CONTACTS.

Product categories: Wall mounted units, MULTI VARIABLE series R32, Commercial system SDV5, Commercial system SDV6, Heat Pumps, S-THERM YUKON MONOBLOCK UNITS, S-THERM YUKON TWIN-FAN MONOBLOCK UNITS, S-THERM YUKON COMMERCIAL MONOBLOCK HEAT PUMPS, S-THERM YUKON ALL-IN-ONE INDOOR UNITS, S-THERM YUKON INDOOR UNITS, S-THERM YUKON OUTDOOR UNITS, S-THERM ONTARIO MONOBLOCK UNITS, S-THERM ONTARIO ALL-IN-ONE INDOOR UNITS.

Product: SMHM-100B/3

- Possibility of control via internet with iL.eComfort application
- High efficiency
- Circulatory pump with self-regulation of speed
- Integrated expansion vessel and safety valve
- Silent mode
- The outlet water temperature from 25 °C to 65 °C
- Built-in electric cartridge with 3 or 9 kW capacity
- Keymark Certification

Heat Pumps | S-THERM YUKON MONOBLOCK UNITS

Keymark Certification

Question about the Product

SPECIFICATIONS		IMAGE GALLERY	VIDEO GALLERY	DOWNLOADS
Capacity	Heating	10.0	KW	
Capacity	Cooling	9.9	KW	
Power input	Heating	2.02	KW	
Power input	Cooling	2.18	KW	

WWW.SINCLAIR-SOLUTIONS.COM

This website is dedicated to all of those, who want to learn about SINCLAIR heating technology. Login to B2B section will be available to business partners, where they will find necessary documentation.

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S-THERM

Why Sinclair heat pump?

A heat pump is a long-term investment for you. Our equipment is the best solution for you in terms of price, quality and performance.

NEW BUILDING, RECONSTRUCTION OF AN OLDER HOUSE OR LARGE BUILDING. WE HAVE FOR YOU THE RIGHT SOLUTION

Now is the perfect time to get a Sinclair heat pump. The units are intelligently controlled, efficient and long-lasting. Currently, people are more and more focused on the costs associated with heating their homes. At the same time, they want to be environmentally friendly. We care about our planet.

We care about the climate in which our children and future generations will grow up. For this reason, we use the new R290 refrigerant alongside a standard R32 refrigerant. Both are highly energy-efficient and eco-friendly.

You will no longer have to stock up on coal or wood in the summer for the winter. The daily work of refilling boilers will no longer bother you. You will also appreciate the tidiness and cleanliness. Use your time wisely."

FROM 1 KW OF ELECTRICAL ENERGY UP TO 5,2 KW OF HEAT

SINCLAIR heat pump technology reduces energy consumption and CO₂ emissions.

We use the most advanced DC INVERTER technology, thanks to which a high efficiency of heat pumps is achieved. You get up to 5.2 kW of heat from 1 kW of electricity (with unit MSH-80EB).

KEYMARK CERTIFICATION

Sinclair heat pumps are Keymark certified. The KEYMARK is a voluntary European product quality mark, that demonstrates compliance with European standards. It is owned by the European standards organisations CEN and CENELEC.

It complements the CE marking and thus strengthens consumer confidence throughout the Europe and ensures easier access to the European market.

S-THERM



Intelligent heating with Loxone



works with
Loxone

LOXONE

Not many people like going around the house or an entire building and worrying about controlling thermostats, heat sources, and air conditioners. Let alone the boxes on the walls or piles of remotes? The constant checking of consumption, the perpetual adjustments of temperature during the day and night, and repeated trips to the basement where the controls are located.

Or there's LOXONE. Set a schedule that will maintain the temperature. Then the heat pump (and possibly the air conditioners, shading, lights, and more) works according to the plan, as it should, and the temperature is spot on. And when it's not needed, no energy is wasted. The more controls, the more trouble. LOXONE takes the controls and takes the worry. Unlike you, the LOXONE has time to control the heating and cooling at any time using advanced algorithms. At the same time, thanks to the app, you can take control at any time and make changes.

CONTROL IN YOUR POCKET

No more repeated trips to the basement to get the remote and figure out how to operate it. Everything can be easily controlled at any time, anywhere in a clear visual interface.

SCHEDULING AND AUTOMATION

Simply set the days, hours, and temperatures for each zone. That's all you need to worry about. The system also adjusts based on your presence. It gradually learns to heat at the capacity required.

GROUP CONTROL

One unit, a whole house, multiple rooms, or even an entire shopping mall? It's all under your thumb at the click of a button.

ACCESS RIGHTS

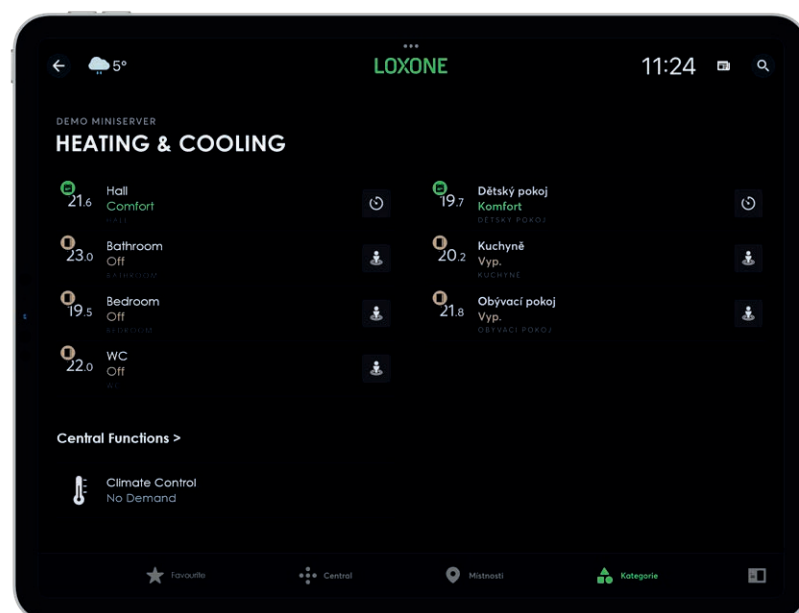
You can easily manage who is authorized to change settings at any time.

NOTIFICATIONS

Is something unusual going on? Is regular maintenance required? The responsible person knows about it immediately!

COOPERATION WITH OTHER EQUIPMENT

It doesn't stop at the heat pump. With Loxone you can control everything in the building from air conditioning to lights and create any kind of automation. For example, an open window deactivates cooling.



Lear more on
www.loxone.com

Remote service control for S-therm heat pumps S-Therm SR-100

Remote analysis of historical data on operation of the unit and optimization of its parameters

Reduce service trip costs by resolving issues through the online system

Support of installation companies for convenient installation process using built-in installation assistant in mobile app

Reduce installation time and elimination of errors by installation protocol



MODULE FOR REMOTE MULTILEVEL SERVICE AND USER CONTROL S-THERM REMOTE

- Simple system with intuitive interface
- Real-time preview and easy alarm analysis
- A convenient overview of alarms and alerts from all devices across all your installations in real time.
- Installation record for service technicians and installers
- Manage multiple systems from one location
- Remote error correction of heat pump settings
- Remote adjustment of installation parameters
- Different levels of access: administrator, manufacturer, service technician, installer and user



SR-100

S-Therm Yukon premium heat pump series



S-THERM YUKON heat pumps are inspired by the untamed nature of the Yukon Territory in northwestern Canada. They are characterized by majestic performance, high efficiency, reliability, low operating noise and in all aspects they meet the high demands of sustainable development and the ecology of our world.

WE TURN AIR INTO ENERGY

Global uncertainty of gas availability, irregular energy price turbulence, increasingly rising costs of heating are triggering massive global demand for heat pumps, which so far exceeds the production possibilities of the supplying companies.

NEW TEMPERATURE RANGE OF HEAT PUMPS

In winter, temperatures in northern Canada drop far below freezing. Heat pumps S-THERM YUKON have operating conditions set down to -25 °C.

In addition to heating, our heat pumps also ensure the production of a sufficient amount of hot water. This guarantees, even in the cold winter, that the heat pumps will provide for your needs and you will always feel comfortable.

NEW POWER SERIES OF HEAT PUMPS

The YUKON series offers double the performance of the S-THERM Ontario series. We now offer max. 30 kW monobloc heat pumps. These units can then be connected to larger cascades.

Up to 6 units can be connected in this way, to achieve up to 180 kW. The YUKON heat pumps are the ideal heat source for large homes and small commercial premises.

For large commercial buildings, we offer high capacity units with outputs from 65 kW up to 140 kW.

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MAIN FEATURES

NEW DESIGN WITH SMALLER DIMENSIONS

YUKON series hydroboxes are among the smallest on the market. With a depth of only 270 millimeters, the overall size reduction is 29% (compared to the Ontario Series hydrobox).

Thanks to these dimensions, the S-therm Yukon hydrobox can easily replace your gas boiler.

Outdoor units up to 16 kW have only one fan. The improved fan turbine design reduces airflow resistance and noise levels.

HIGH EFFICIENCY OF HEAT PUMPS

The air, water, and ground around us contain vast amounts of energy, even during winter months. Heat pumps S-THERM YUKON use 75% of energy provided by the outdoor environment.

The remaining 25% is made up of electricity. This efficiency significantly reduces the emissions and pollutants, that are released into the atmosphere. Newest technology and advanced control logic have created one of the most economical and efficient heat pumps on the European and global market.

S-THERM YUKON heat pumps are controlled by an inverter compressor, which ensures precise operation and high performance.

QUIET OPERATION

With S-THERM YUKON heat pumps, you can provide heating, hot water heating and cooling, not only efficiently and economically, but also quietly.

For example, with the 6 kW YUKON heat pump, the sound pressure level at 1 meter is only 44 dB(A). In comparison, we present a noise level of 50 dB(A) - this noise level can be imagined as drops of light rain falling.

The most powerful machines, which have a heating capacity of 30 kW, have a noise level at 1 metre of 66 dB(A), which is equivalent to the volume of a normal telephone call.

ENVIRONMENTALLY FRIENDLY REFRIGERANTS

In our S-THERM YUKON heat pumps, we use R32 and R290 refrigerants. This R32 refrigerant has a better heat capacity and systems can use up to 20% less of it, than with its R410a predecessor and R290 refrigerant allows our heat pumps to supply much higher water temperatures.

Due to its low GWP potential, the refrigerant has R32 68% less impact on global warming of the earth than the previous refrigerant R410a and is cheaper to run. With the new refrigerant R290, we have even better results. R290 refrigerant is 99,9% more eco friendly, than the old R410a refrigerant.

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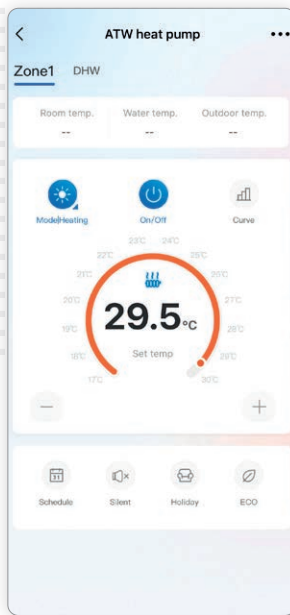
YUKON



REMOTE CONTROL

REMOTE CONTROL VIA MOBILE APP

S-therm Yukon heat pumps include a built-in wifi module, that allows them to be controlled remotely via the Comfort home app or iLetComfort app. The control is simple and provides information about the heat pump's operation.



iLetComfort mobile app



CONTROLLER

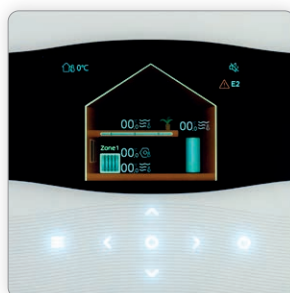
S-therm Yukon heat pumps are controlled by a wired controller located inside the building. Multiple languages are available with a simple interface.

MODES

- Heating and cooling
- DHW heating
- Cooling + DHW heating
- Heating + DHW heating
- Safe mode
- Silent mode (2 levels)
- Fast hot water
- Holiday mode (2 Types)
- Disinfection mode
- Equithermal mode



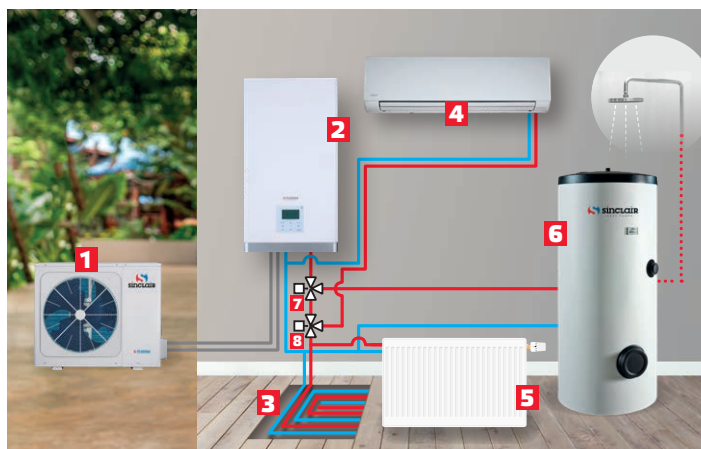
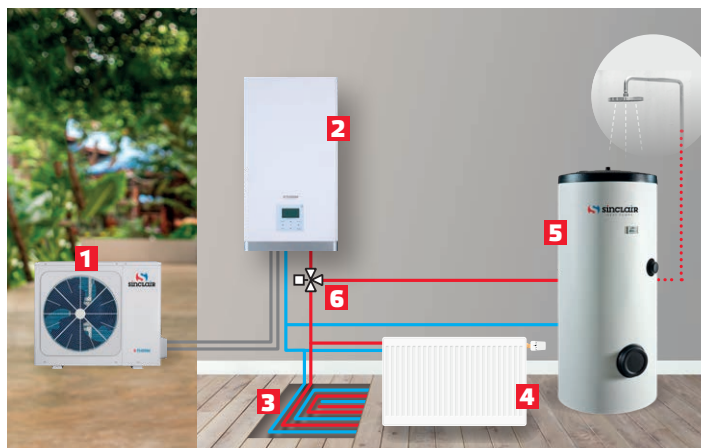
Controller for units with R32 refrigerant



Controller for R290 refrigerant units

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EXAMPLES OF CONNECTION FOR HEATING SYSTEM WITH HYDROBOX



These diagrams are not a substitute for technical connection diagrams.



comfortable world
Sinclair

INDOOR UNITS

HYDROBOX

The YUKON Hydrobox is available in three versions with an integrated backup electric heater. It allows heating in floor systems, radiators or fan coils.

THANKS TO THE OPTIONAL THREE-WAY VALVE, THE YEAR-ROUND OPERATION IN HEATING OF HOT DOMESTIC WATER MODE IS POSSIBLE. IN SUMMER, COOLING DOWN TO 5 °C IS AVAILABLE.



Unit works efficiently in temperatures down to -25 °C. In heating mode, in indoor unit, thermal energy of the refrigerant is transferred to the water via plate heat exchanger. This warm water is then supplied to the radiators, underfloor heating and hot domestic water storage tank.

The devices are available in both single-phase and three-phase versions (units with -3 terminals).

The indoor unit contains a powerful plate heat exchanger, which is characterized by high corrosion resistance, compact dimensions and high efficiency.

The expansion tank inside the hydrobox has a capacity of 8 litres. The standard pressure inside the vessel is 1,0 bar. This ensures reliable operation of the equipment and stable system pressure.

The energy-efficient and powerful circulation pump ensures a smooth water flow in the system.

For larger heating systems, size of an expansion vessels must be consulted with the designer.

The split version is suitable, if space in the room is limited and there is no need for heating hot domestic water. If a buffer tank or hot water tank is required, these components are installed separately.

Connection to domestic hot water, underfloor heating, fancoil units, buffer tanks, solar panels, gas boilers, etc.

The Hydrobox includes a circulating inverter pump and plate heat exchanger.

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INDOOR UNITS HYDROBOX

FEATURES

- Internet control via the iLetComfort app
- High efficiency
- Circulation pump with self-adjusting speed control
- Integrated expansion tank and safety valve
- Equitherm control, control by reference room temperature or thermostat
- Possibility of cooling in convector units
- Preparation of domestic hot water
- Option to connect a three-way valve (not included)

POSSIBLE COMBINATIONS	
INDOOR	OUTDOOR
MSH-60IB/3	MSH-60EB
MSH-100IB-3/9	MSH-80EB
MSH-100IB-3/9	MSH-100EB
MSH-160IB-3/9	MSH-120EB-3
MSH-160IB-3/9	MSH-140EB-3
MSH-160IB-3/9	MSH-160EB-3
MSH-60IB/3	MSH-60EBB
MSH-100IB-3/9	MSH-80EBB
MSH-100IB-3/9	MSH-100EBB
MSH-160IB-3/9	MSH-120EB-3B
MSH-160IB-3/9	MSH-140EB-3B
MSH-160IB-3/9	MSH-160EB-3B



Model MSH-			60IB/3		100IB/3 100IB-3/9		160IB/3 160IB-3/9	
Power supply		V / Ph / Hz	220-240 / 1 / 50		220-240 / 1 / 50 / 380-415 / 3 / 50			
Connecting pipe (refrigerant)		Gas	inch / mm	5/8" / 16,0				
		Liquid		1/4" / 6,0		3/8" / 9,5		
Connecting pipe (water)		Inlet	inch	1"				
		Outlet						
Safety valve		bar	3					
Leaving water temperature		Cooling	°C	5 - 25				
		Heating	25 - 65					
Main components	Water pump	Type	-	Inverter				
		Speed	-	Automatic				
		Max. power	W	90				
	Expansion vessel	Volume	l	8				
		Max. pressure	bar	3				
		Pressure	bar	1				
	Auxiliary electric heater	Mode	-	Automatic				
		Capacity	kW	3	9			
		Combination	-	3	3+3+3			
		Power supply	V / Ph / Hz	220-240 / 1 / 50	220-240/1/50 / 380-415/3/50			
	Exchanger	Type	-	Plate				
		Amount	-	1				
Level of acoustic pressure in 1m		dB (A)	28	30		32		
Dimensions		Outline (w × h × d)	mm	420×790×270				
		Packaged (w × h × d)		525×1050×360				
Weight		Netto	kg	37		39		
		Brutto		43		45		

OUTDOOR UNITS

FEATURES

- We offer you outdoor units in a single-propeller version in capacity of 6, 8, 10, 12, 14, 16 kW in single-phase and three-phase versions (units with suffix -3)
- Now also available in anthracite design
- Outdoor units of compact dimensions facilitating problem-free installations and also transportation
- The device uses environmentally friendly refrigerant R32 with low GWP value
- Compressor with intermediate stage injection of refrigerant, thanks to which high efficiency and energy saving are achieved
- Motor control technology by semiconductor frequency converter
- The units are equipped with an inverter control that changes the speed of the compressor. The delivered power of the units is precisely adapted to the heating system
- Energy savings of up to 40%, with minimized temperature fluctuations.
- Between the outdoor unit and the indoor unit, the pipe length can be up to 30 meters. Elevation up to 20 meters



Model MSH-				60EB(B)	80EB(B)	100EB(B)	120EB-3(B)	140EB-3(B)	160EB-3(B)
Suitable for building heat loss				6 - 7	8	9 - 11	12 - 13	14	15 - 17
Power supply		V / Ph / Hz		220-240 / 1 / 50			220-240 / 1 / 50 / 380-415 / 3 / 50		
Capacity	Heating	kW		6,2	8,3	10	12,1	14,5	16
	Cooling	kW		6,55	8,4	10	12	13,5	14,2
Power	Heating	kW		1,24	1,6	2,0	2,4	3,1	3,6
	Cooling	kW		1,34	1,66	2,08	3,0	3,7	3,9
COP	Heating	-		5	5,2	5	4,95	4,7	4,5
EER	Cooling	-		4,9	5,05	4,8	4	3,61	3,61
Technical parameters	Level of acoustic pressure	1m	dB (A)	45	46	49	50	51	55
	Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++					
	SCOP	Heating (55 °C / 35 °C)	-	3,52 / 4,95	3,37 / 5,22	3,47 / 5,2	3,45 / 4,81	3,47 / 4,72	3,41 / 4,62
	Refrigerant	Type	-	R32					
		Amount	kg	1,5	1,65			1,84	
	Domestic hot water temperature		°C	12 - 60					
	Refrigerant pipes	Gas	inch / mm	5/8" / 16,0					
		Liquid	inch / mm	1/4" / 6,0	3/8" / 9,5				
	Unit Dimension	w × h × d	mm	1008×712×426	1118×865×523				
	Package Dimension	w × h × d	mm	1065×810×485	1190×970×560				
	Weight	Netto/Brutto	kg	58 / 63,5	75 / 89			112 / 125,5	
	Operating temperature range		°C	-25~43					
	Standard pipe length		m	15					
	Max. pipe length		m	30					
	Max. elevation		m	20					
	Additional refrigeration		g/m	20	38				

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.



DC INVERTER

ECOLOGICAL REFRIGERANT R32



smart world
Sinclair

INDOOR UNITS

ALL IN ONE

The SINCLAIR ALL IN ONE heat pump belongs to a new generation of heat pumps designed for heating, cooling and heating domestic hot water.



The ALL IN ONE design from the Yukon series offers the option of connecting DHW recirculation.

SAVE SPACE IN YOUR HOME

Thanks to the connection of the hydro unit and the tank, you only need a small space for this heat pump. Indoor unit ALL IN ONE includes circulatory pump and plate exchanger.



TECHNOLOGY, THAT CONNECTS TOGETHER THE INTERNAL UNIT HYDROBOX AND INTEGRATED 190 OR 240 LITRE TANK IN STAINLESS STEEL FOR DOMESTIC HOT WATER

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INDOOR UNIT

ALL IN ONE

FEATURES

- Internet control via the Comfort Home or iLetComfort app
- High efficiency
- Self-regulating circulation pump
- Integrated expansion tank and safety valve
- Equitherm control, room temperature reference control or thermostat control
- Silent mode
- Three-way valve included in the indoor unit
- Built-in 3 or 9 kW electric cartridge



YUKON

POSSIBLE COMBINATIONS	
INDOOR	OUTDOOR
MSH-190TB/3	MSH-60EB
MSH-190TB-3/9	MSH-80EB
MSH-190TB-3/9	MSH-100EB
MSH-240TBL/3	MSH-60EB
MSH-240TBL/3	MSH-80EB
MSH-240TBL/3	MSH-100EB
MSH-240TB-3/9	MSH-120EB-3
MSH-240TB-3/9	MSH-140EB-3
MSH-240TB-3/9	MSH-160EB-3
MSH-190TB/3	MSH-60EBB
MSH-190TB-3/9	MSH-80EBB
MSH-190TB-3/9	MSH-100EBB
MSH-240TBL/3	MSH-60EBB
MSH-240TBL/3	MSH-80EBB
MSH-240TBL/3	MSH-100EBB
MSH-240TB-3/9	MSH-120EB-3B
MSH-240TB-3/9	MSH-140EB-3B
MSH-240TB-3/9	MSH-160EB-3B

Model MSH-			190TB/3		240TBL/3		240TB/3		190TB-3/9		240TB-3/9	
Power supply			V / Ph / Hz	220 - 240 / 1 / 50					380 - 415 / 3 / 50			
Connecting pipe(refrigerant)		Gas	inch / mm	5/8" / 16,0								
		liquid										3/8" / 9,5
Connecting pipe(water)		Inlet	inch	1"								
		Outlet										
Safety valve			bar	3								
Leaving water temperature		Cooling	°C	5 - 25								
		Heating	°C									25 - 65
Main components	Water pump	Type	-	Inverter								
		Speed	-									Automatic
		Max. power	W	90								
	Hot water tank	Volume	l									190
		Expansion tank	Volume	l								
		Max.pressure	bar	3								
		Pressure	bar	1								
		Auxiliary electric heater	Mode	-								
		Capacity	kW	3					9			
		Combination	-	3					3+3+3			
	Power supply	V / Ph / Hz	220 - 240 / 1 / 50					380 - 415 / 3 / 50				
	Heat exchanger	Type	-	Brazen plate								
		Amount	-	1								
Level of acoustic pressure in 1m			dB (A)	29								
Dimensions		Outline (w × h × d)	mm	600×600×1683		600×600×1943			600×600×1683		600×600×1943	
		Packaged (w × h × d)	mm	730×730×1920		730×730×2180			730×730×1920		730×730×2180	
Weight		Weight	Netto	140		157			140		157	
		Brutto	kg	161		178			161		178	

* Noise level depends on the combination of indoor unit and outdoor unit

S-THERM

OUTDOOR UNITS

FEATURES

- We offer you outdoor units in a single-propeller version in capacity of 6, 8, 10, 12, 14, 16 kW in single-phase and three-phase versions (units with suffix -3)
- Now also available in anthracite design
- Outdoor units of compact dimensions facilitating problem-free installations and also transportation
- The device uses environmentally friendly refrigerant R32 with low GWP value
- Compressor with added economizer and intermediate stage injection of refrigerant, thanks to which high efficiency and energy saving are achieved
- Motor control technology by semiconductor frequency converter
- The units are equipped with an inverter control that changes the speed of the compressor. The delivered power of the units is precisely adapted to the heating system
- Energy savings of up to 40 % and temperature fluctuations are avoided
- Between the outdoor unit and the indoor unit, the pipe length can be up to 30 meters. Elevation up to 20 meters



Model MSH-			60EB(B)	80EB(B)	100EB(B)	120EB-3(B)	140EB-3(B)	160EB-3(B)	
Suitable for building heat loss			kW	6 - 7	8	9 - 11	12 - 13	14	15 - 17
Power supply			V / Ph / Hz	220-240 / 1 /50			220-240 / 1 / 50 / 380-415 / 3 / 50		
Capacity	Heating		kW	6,2	8,3	10	12,1	14,5	16
	Cooling		kW	6,55	8,4	10	12	13,5	14,2
Power	Heating		kW	1,24	1,6	2,0	2,4	3,1	3,6
	Cooling		kW	1,34	1,66	2,08	3,0	3,7	3,9
COP			-	5	5,2	5	4,95	4,7	4,5
EER			-	4,9	5,05	4,8	4	3,61	3,61
Technical parameters	Level of acoustic pressure	1m	dB (A)	45	46	49	50	51	55
	Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++					
	SCOP	Heating (55 °C / 35 °C)	-	3,52 / 4,95	3,37 / 5,22	3,47 / 5,2	3,45 / 4,81	3,47 / 4,72	3,41 / 4,62
	Refrigerant	Type	-	R32					
		Amount	kg	1,5	1,65	1,84			
	Domestic hot water temperature		°C	12 - 60					
	Refrigerant pipes	Gas	inch / mm	5/8" / 16,0					
		Liquid	inch / mm	1/4" / 6,0	3/8" / 9,5				
	Unit Dimension	w × h × d	mm	1008×712×426	1118×865×523				
	Package Dimension	w × h × d	mm	1065×810×485	1190×970×560				
Weight	Netto/Brutto	kg	58 / 63,5	75 / 89			112 / 125,5		
Operating temperature range			°C	-25-43					
Standard pipe length			m	15					
Max. pipe length			m	30					
Max. elevation			m	20					
Additional refrigeration			g/m	20	38				

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.



DC INVERTER

ECOLOGICAL REFRIGERANT R32



powerful world
Sinclair

MONOBLOC UNITS

Inverter heat pump, which consists of only one compact outdoor unit with everything you need, including hydraulic components.



The units are available in 6, 8 and 10 kW (1-phase), 12, 14, 16 kW (1-phase or 3-phase) and 18, 22, 26, 30 kW (3-phase)

ONE COMPACT UNIT, MANY FEATURES

- The system can be connected to underfloor heating, radiators or fan coils. If you add a hot water tank and a three-way valve, you can use the system to heat domestic hot water
- Environmentally friendly R32 refrigerant in combination with an inverter compressor ensures economical and environmentally friendly operation
- Hermetically sealed refrigerant circuit, minimal risk of refrigerant leakage
- Monobloc heat pump includes circulatory water pump, plate heat exchanger, expansion valve, safety valve and expansion vessel
- two-stage rotary compressor
- The unit operates reliably even at low temperatures, down to -25 °C, thanks to the intermediate refrigerant injection

IDEAL DEVICE IF YOU DON'T HAVE THE OPTION OF INSTALLING INDOOR UNIT. SIMPLY CONNECT THE UNIT TO THE HEATING SYSTEM AND TO ELECTRICITY. THIS MINIMISES COSTS AND THE TIME REQUIRED FOR INSTALLATION

S-THERM



S-THERM YUKON
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CERTIFICATION

MONOBLOC UNITS

6-16 kW

FEATURES

- Internet control via Comfort Home or iLetComfort app
- High efficiency
- Circulation pump with self-adjusting speed control
- Integrated expansion tank and safety valve
- Silent mode
- Outlet temperature from 25 °C to 65 °C
- Integrated electric backup heater 3 or 9 kW (according to combinations in the table)



Model SMHM-			60B/3	80B/3	100B/3	120B/3 / 120B-3/9	140B/3 / 140B-3/9	160B/3 / 160B-3/9	
Suitable for building heat loss			kW	6 - 7	8	9 - 11	12 - 13	14	15 - 17
Capacity	Heating	kW	6,35	8,4	10	12,1	14,5	15,9	
	Cooling	kW	6,5	8,3	9,9	12	13,5	14,2	
Power	Heating	kW	1,28	1,63	2,02	2,44	3,15	3,53	
	Cooling	kW	1,35	1,64	2,18	3,04	3,74	3,94	
COP	Heating	-	4,95	5,15	4,95	4,95	4,6	4,5	
EER	Cooling	-	4,8	5,05	4,55	3,95	3,61	3,61	
Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++						
SCOP	Heating (55 °C / 35 °C)	-	3,52 / 4,95	3,37 / 5,22	3,47 / 5,2	3,45 / 4,81	3,47 / 4,72	3,41 / 4,62	
Power supply		V/Ph/Hz	220-240 / 1 / 50			220-240 / 1 / 50 / 380-415 / 3 / 50			
Max. power		kW	2,58	3	3,43	4,78	5,37	6,25	
Max. current		A	18	19		30			
Refrigerant	Type	-	R32						
	Amount	kg	1,4			1,75			
Water pipes	Inlet	inch	5/4"						
	Outlet								
Water temperatures range	Heating	°C	25 - 65						
	Cooling	°C	5 - 25						
Main components	Water pump	Max. water flow	4,5						
		Power input	95						
	Water flow switch	Minimum flow	0,4				0,7		
		Expansion tank	Volume	8					
	Maximum pressure		3						
	Precharged pressure		1						
	Electric heater	Mode	Automatic						
		Steps	1				3		
		Capacity	3				9		
		Combination	3				3/6/9		
		Power supply	220-240/1/50				220-240/1/50 / 380-415/3/50		
		Possible capacities	none or 3				none or 3 / none or 9		
	Heat exchanger	Type	Plate type						
		Quantity	1						
	Safety valve	Pressure	3						
Level of acoustic pressure LpA		1 m	dB	47,5	48,5	50,5	53,5	54	58
Unit Dimension		w × h × d	mm	1295×718×429		1385×865×526			
Package Dimension		w × h × d	mm	1375×885×475		1465×1035×560			
Weight		Netto/Brutto	kg	86 / 107	105 / 132		144 / 172		
Operating temperature range		Cooling	°C	5~43					
		Heating	°C	-25~35					
		Water heating	°C	-25~43					

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.

MONOBLOC UNITS**18-30 kW****FEATURES**

- Internet control via the Comfort Home or iLetComfort app
- High efficiency
- Circulation pump with self-adjusting speed control
- Integrated expansion tank and safety valve
- Silent mode
- Outlet temperature from 25 °C to 60 °C
- Cascade connection with a maximum output of up to 180 kW - up to 6 pumps can be connected



Model SMHM-			180B-3	220B-3	260B-3	300B-3
Suitable for building heat loss		kW	16-18	18-22	22-26	26-30
Capacity	Heating	kW	18	22	26	30,1
	Cooling	kW	18,5	23	27	31
Power	Heating	kW	3,83	5	6,37	7,69
	Cooling	kW	3,89	5	6,27	7,75
COP	Heating	-	4,7	4,4	4,08	3,91
EER	Cooling	-	4,75	4,6	4,3	4
Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++			
SCOP	Heating (55 °C / 35 °C)	-	3,2 / 4,6	3,23 / 4,53	3,15 / 4,5	3,15 / 4,2
Power supply		V/Ph/Hz	380-415 / 3 / 50			
Max. power		kW	6,66	8,07	8,8	9,38
Max. current		A	28			
Refrigerant	Type	-	R32			
	Amount	kg	5			
Water pipes	Inlet	inch	1-1/4"			
	Outlet					
Water temperatures range		Heating	°C			
		Cooling	°C			
Main components	Water pump	Max. water flow	m³/h			
		Power	W			
	Water flow switch	Minimum flow	m³/h			
		Expansion tank	Volume	l		
	Maximum pressure		Bar			
	Precharged pressure		Bar			
	Electric heater	Mode	-			
		Steps	-			
		Capacity	kW			
		Combination	kW			
		Power supply	V/Ph/Hz			
	Heat exchanger	Type	-			
		Amount	-			
	Safety valve	Pressure	bar			
Level of acoustic pressure LpA	1 m	dB	57,6	59,8	61,5	63,5
Unit Dimension	w × h × d	mm	1129×1558×528			
Package Dimension	w × h × d	mm	1220×1735×565			
Weight	Netto/Brutto	kg	177 / 206			
Operating temperature range	Cooling	°C	-5~46			
	Heating	°C	-25~35			
	Water heating	°C	-25~43			

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.

**DC INVERTER**ECOLOGICAL REFRIGERANT **R32**



powerful world
Sinclair

COMMERCIAL MONOBLOC UNITS

Inverter heat pump for commercial use with high performance and efficiency. A single device covering all your building needs.



Units are in 3-phase design with capacities 65 kW, 75 kW, 110 kW and 140 kW.

UNITS WITH HIGH PERFORMANCE AND EFFICIENCY

- Option for modular connection
- Interconnection of up to 16 modules
- Environmentally friendly R32 refrigerant
- Easy master connection and slave units
- All Chillers can be controlled by a single-wired controller
- Flexible connectivity piping and installation
- You can externalize the PCB control the heat pump: ON/OFF, heating/cooling, alarm
- Economical operation
- Easy transport
- Backup function (in case of cascading connection) - If one module goes out of service, the other modules will take over and ensure uninterrupted operation
- Highly efficient DC inverter compressors
- Wide operating range range of operating and output temperatures water
- SMHM-650BH-3, SMHM-750BH-3, SMHM-1100BH-3 and SMHM-1400BH-3 have hydraulic module

S-THERM

COMMERCIAL MONOBLOC UNITS

FEATURES

- Possibility of modular connection
- Up to 16 modules can be connected
- One wired controller can control all connected units
- On the PCB, it is possible to control remotely: on (ON) / off (OFF), heating/cooling, alarm
- High-efficiency DC inverter compressor
- Economical operation
- Higher operating temperatures and efficiency
- Option to connect a backup electric heater
- Units without hydromodule (circulation pump, expansion tank,...)



Model SMHM-			650B-3	750B-3	1100B-3	1400B-3
Capacity	Heating	kW	64	77	112	142
	Cooling	kW	76	86	128	138
Power input	Heating	kW	15,24	19,74	27,00	38,17
	Cooling	kW	20,27	23,12	33,7	36,32
COP	Heating	-	4,2	3,9	4,15	3,72
EER	Cooling	-	3,75	3,72	3,8	3,8
SCOP	Heating (55°C / 35°C)	-	4,50 / 3,40	4,50 / 3,40	4,25 / 3,25	4,25 / 3,25
Power supply		V/Ph/Hz	380-415 / 3 / 50			
Max. current		A	54	54	106	106
Refrigerant	Type	-	R32			
	Charge	kg	9		15,5	
Water pipes	Inlet	mm	DN50		DN65	
	Outlet					
Water temperatures range	Heating	°C	25-65			
	Cooling	°C	5-20			
Water flow switch	Min. water flow	m³/h	3		5	
Heat exchanger	Type	-	Brazed Plate			
	Amount	-	1			
Safety valve	Pressure	bar	6			
Sound pressure level LpA	1 m	dB	64	69	64	73
Unit dimensions	w × h × d	mm	2000×1770×960		2220×2300×1135	
Package dimensions	w × h × d	mm	2085×1890×1030		2250×2445×1180	
Weight	Net/Gross	kg	440 / 455		670 / 690	
Operating temperature range	Cooling	°C	-15~48			
	Heating	°C	-25~43			
	DHW	°C	-20~43			

Models SMHM-650B-3, SMHM-750B-3, SMHM-1100B-3 a SMHM-1400B-3 do not include a water pump due to different project requirements. SMHM-650BH-3, SMHM-750BH-3, SMHM-1100BH-3 a SMHM-1400BH-3 include hydraulic module.

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on the further development of the units by the producer and can be changed without prior notice. Refer to the rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.

COMMERCIAL MONOBLOC UNITS

FEATURES

- Possibility of modular connection
- Up to 16 modules can be connected
- One wired controller can control all connected units
- On the PCB, it is possible to control remotely: on (ON) / off (OFF), heating/cooling, alarm
- High-efficiency DC inverter compressor
- Economical operation
- Higher operating temperatures and efficiency
- Option to connect a backup electric heater
- Units with hydromodule (circulation pump, expansion tank,...)



Model SMHM-			650BH-3	750BH-3	1100BH-3	1400BH-3
Capacity	Heating	kW	64	77	112	142
	Cooling	kW	76	86	128	138
Power input	Heating	kW	15,24	19,74	27,00	38,17
	Cooling	kW	20,27	23,12	33,7	36,32
COP	Heating	-	4,2	3,9	4,15	3,72
EER	Cooling	-	3,75	3,72	3,8	3,8
SCOP	Heating (55°C / 35°C)	-	4,50 / 3,40	4,50 / 3,40	4,25 / 3,25	4,25 / 3,25
Power supply		V/Ph/Hz	380-415 / 3 / 50			
Max. current		A	54	54	106	106
Refrigerant	Type	-	R32			
	Charge	kg	9		15,5	
Water pipes	Inlet	mm	DN50		DN65	
	Outlet					
Water temperatures range	Heating	°C	25 - 65			
	Cooling	°C	5 - 20			
Water pump	Power input	kW	1,78		0,93	
Water flow switch	Min. water flow	m³/h	3		5	
Expansion vessel	Volume	l	12		22	
	Maximum pressure	Bar	10			
	Precharged pressure	Bar	1,5			
Heat exchanger	Type	-	Braze Plate			
	Amount	-	1			
Safety valve	Pressure	bar	6			
Sound pressure level LpA	1 m	dB	64	69	64	73
Unit dimensions	w × h × d	mm	2000×1770×960		2220×2300×1135	
Package dimensions	w × h × d	mm	2085×1890×1030		2250×2445×1180	
Weight	Net/Gross	kg	475 / 490		746 / 767	
Operating temperature range	Cooling	°C	-15~48			
	Heating	°C	-25~43			
	DHW	°C	-20~43			

Models SMHM-650B-3, SMHM-750B-3, SMHM-1100B-3 a SMHM-1400B-3 do not include a water pump due to different project requirements. SMHM-650BH-3, SMHM-750BH-3, SMHM-1100BH-3 a SMHM-1400BH-3 include hydraulic module.

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on the further development of the units by the producer and can be changed without prior notice. Refer to the rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.





friendly world
Sinclair

MONOBLOC UNITS

A new inverter heat pump works with the environmentally friendly refrigerant R290 or propane. It is a monobloc version with a new design.



The units are available in 6, 8, and 10 kW (1-phase), 12, 14, and 16 kW (3-phase) and 26, 30, 35 and 40 kW (3-phase)

ECOLOGY AND PERFORMANCE GO HAND IN HAND

- The system can be connected to underfloor heating, radiators, or fan coils. If you add a hot water tank and a three-way valve, you can use the system to heat domestic hot water
- The environmentally friendly R290 refrigerant, combined with an inverter compressor, ensures eco-friendly operation while maintaining high performance
- Hermetically sealed refrigerant circuit to minimize the risk of refrigerant leakage
- The units are equipped with a remote service management system
- The unit operates reliably even at low temperatures, down to -25 °C, thanks to the intermediate refrigerant injection
- High output temperatures up to 75 °C for monoblocks up to 16 kW and up to 85 °C for monoblocks 26, 30, 35 and 40 kW

UNITS WITH A NEW DESIGN. R290 REFRIGERANT WITH HERMETICALLY SEALED REFRIGERANT CIRCUIT AND HERMETICALLY SEPARATED ELECTRONICS TO ENSURE ENVIRONMENTALLY FRIENDLY OPERATION, MAXIMUM PERFORMANCE, AND EFFICIENCY WHILE MAINTAINING MAXIMUM SAFETY LEVELS.

S-THERM

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MONOBLOC UNITS

6-16 kW

FEATURES

- Internet control via the iLetComfort app
- New display design
- High efficiency
- Circulation pump with self-adjusting speed control
- Integrated expansion tank and safety valve
- Silent mode
- Outlet temperature from 25 °C to 75 °C
- Integrated electric power heater 3 or 9 kW
- **New design**
- **New display**



Model SMHM-			60P(-3)	80P(-3)	100P(-3)	120P-3(-9)	140P-3(-9)	160B-3(-9)	
Suitable for building heat loss			kW	6-7	8	9-11	12-13	14	15-17
Capacity	Heating	kW	6,2	8,40	10,0	12	14	15	
	Cooling	kW	6,5	8,3	10	12	14	16	
Power input	Heating	kW	1,26	1,68	2,12	2,5	3,11	3,4	
	Cooling	kW	1,28	1,61	2,1	2,67	3,33	4,1	
COP	Heating	-	4,9	5	4,7	4,8	4,5	4,4	
EER	Cooling	-	5,1	5,15	4,75	4,5	4,2	3,9	
Energy class	Heating (55°C / 35°C)	-	A++ / A+++						
SCOP	Heating (55°C / 35°C)	-	3,82 / 4,89	3,82 / 5,19	3,82 / 5,07	3,62 / 4,67	3,61 / 4,64	3,57 / 4,59	
Power supply		V/Ph/Hz	220-240/1/50			380-415/3/50			
Refrigerant	Type	-	R290						
	Charge	kg	0,7	1,1		1,25			
Water pipes	Inlet	inch	1"	5,4"					
	Outlet								
Water temperatures range	Heating	°C	12~75						
	Cooling	°C	5~30						
	DHW	°C	30~60						
Main components	Water pump	Water flow range	m³/h	0,4~1,25	0,4~1,65	0,4~2,1	0,7~2,5	0,7~2,75	0,7~3,0
		Nominal water flow	m³/h	1,09	1,44	4,72	2,08	2,49	2,73
	Expansion tank	Volume	l	8					
		Maximum pressure	Bar	8					
		Precharged pressure	Bar	1					
	Electric heater	Mode	kW	-/3			-/9		
		Steps	-	-/1			-/3		
		Combination	kW	-/3			-/3/6/9		
		Power supply	V/Ph/Hz	220-240/1/50			380-415/3/50		
	Heat exchanger	Type	-	Braze plate					
		Quantity	-	1					
	Safety valve	Pressure	bar	3					
Sound pressure level LpA	1 m	dB	44	46	48	51	52	56	
Unit dimensions	w × h × d	mm	1299×717×426		1385×865×523				
Package dimension	w × h × d	mm	1375×885×475		1465×1035×560				
Weight	Net/Gross	kg	90/110	117/139		142/164			
Operating temperature range	Cooling	°C	-5~43						
	Heating	°C	-25~35						
	Water heating	°C	-25~46						

SMHM-xxxP(-3)/3(9) - unit with e-heater

SMHM-xxxP(-3) - unit without e-heater

MONOBLOC UNITS**26, 30, 35 AND 40 kW****FEATURES**

- Internet control via the iLetComfort app
- High efficiency
- Circulation pump with self-adjusting speed control
- Integrated expansion tank and safety valve
- Silent mode
- Outlet temperature from 25 °C to 85 °C
- Cascade connection of up to 6 units
- **New design**
- **New display**



Model SMHM-			260P-3		300P-3		350P-3		400P-3			
Suitable for building heat loss			kW	22-26		26-30		30-35		35-39		
Power supply			V/f/Hz	380-415/3/50								
Capacity	Heating		kW	26		30		35		39		
	Cooling		kW	26		30		35		39		
Power input	Heating		kW	5,45		6,9		8,4		9,75		
	Cooling		kW	5,6		6,8		8,5		9,85		
COP	Heating		-	4,77		4,50		4,17		4		
EER	Cooling		-	4,64		4,41		4,12		3,96		
Energy class	Heating (55°C / 35°C)		-	A+++/A+++		A++/A+++				A++/A++		
SCOP	Heating (55°C / 35°C)		-	3,84/4,95		3,79/4,92		3,63/4,48		3/3,84		
Max. current			A	28		30		31		31		
Refrigerant	Type		-	R290								
	Charge		kg	2,9								
Water pipes	Inlet		inch	5/4"								
	Outlet											
Water temperatures range			Heating	°C		25~85						
			Cooling	°C		5~25						
Main components	Water pump	Max. water flow	m³/h	5,4		6,2		7,2		8,1		
		Water flow-switch	Min. water flow	m³/h	1,2							
	Expansion tank	Volume	l	5								
		Maximum pressure	Bar	8								
		Precharged pressure	Bar	3								
	Heat exchanger	Type	-	Braze plate								
		Quantity	-	1								
	Safety valve	Pressure	bar	3								
Sound pressure level LpA			1 m	dB	61,4		62,8		63,1			
Unit dimensions			w × h × d	mm	1384×1816×523							
Package dimension			w × h × d	mm	1480×2000×570							
Weight			Net/Gross	kg	260/285							
Operating temperature range			Cooling	°C	-15~48							
			Heating	°C	-25~43							
			Water heating	°C	-25~43							

Capacities and power inputs are based on the following conditions:

COOLING conditions:
Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions:
Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on the further development of the units by the producer and can be changed without prior notice. Refer to the rating label.

R290 (100% CH₃CH₂CH₃). GWP value of the refrigerant used: 3.

This equipment contains fluorinated greenhouse gases covered by the Kyoto Protocol. Explanatory notes on the last page of the catalogue. The cross-section of the individual conductors must be chosen with respect to IEC 60364.

DC INVERTER
R290
NATURAL
REFRIGERANT


COMMERCIAL MONOBLOC UNITS

NEW

Inverter heat pump for commercial use with high performance and efficiency. A single device covering all your building needs.



Units are in 3-phase design with capacities 50 kW, 60 kW and 70 kW.

UNITS WITH HIGH PERFORMANCE AND EFFICIENCY

- Option for modular connection
- Interconnection of up to 16 modules
- Environmentally friendly R290 refrigerant
- Easy master connection and slave units
- All Chillers can be controlled by a single-wired controller
- Flexible connectivity piping and installation
- You can externalize the PCB control the heat pump: ON/OFF, heating/cooling, alarm
- Economical operation
- Easy transport
- Backup function (in case of cascading connection) - If one module goes out of service, the other modules will take over and ensure uninterrupted operation
- Highly efficient DC inverter compressors
- Wide operating range range of operating and output temperatures water

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COMMERCIAL MONOBLOC UNITS

NEW

VLASTNOSTI

- Possibility of modular connection
- Up to 8 units can be connected to a single controller
- One wired controller can control all connected units
- On the PCB, it is possible to control remotely:
on (ON) / off (OFF), heating/cooling, alarm
- High-efficiency DC inverter compressor
- Economical operation
- Higher operating temperatures and efficiency
- Option to connect a backup electric heater



Model SMHM-			500P-3	600P-3	700P-3
Capacity	Heating	kW	50	60	70
	Cooling	kW	50	60	65
Power input	Heating	kW	10,64	13,95	17,50
	Cooling	kW	15,15	20,00	23,21
COP	Heating	-	4,7	4,3	4,0
EER	Cooling	-	3,00	3,00	2,80
SCOP	Heating (55°C / 35°C)	-	3,76 / 4,50	3,85 / 4,60	3,90 / 4,70
Power supply		V/Ph/Hz	380-415 / 3 / 50		
Max. current		A	70		
Refrigerant	Type	-	R290		
	Charge	kg	5,6		
Water pipes	Inlet	mm	DN50		
	Outlet	mm			
Water temperatures range	Heating	°C	25~70 (25~85)2		
	Cooling	°C	5~25 (-5~25)1		
Water flow switch	Min. water flow	m³/h	1,8-10,3	1,8-12,4	1,8-14,4
Heat exchanger	Type	-	Plate heat exchanger		
	Amount	-	1		
Safety valve	Pressure	bar	6		
Sound pressure level LpA	1 m	dB	63,4	67,6	69,5
Unit dimensions	w × h × d	mm	2000×960×1880		
Package dimensions	w × h × d	mm	2085×1030×2050		
Weight	Net/Gross	kg	560 / 585		
Operating temperature range	Cooling	°C	-15~48		
	Heating	°C	-25~43		
	DHW	°C	-25~43		

Models SMHM-500P-3, SMHM-600P-3, and SMHM-700P-3 do not include a circulation pump.

1. Unit operating in specific Low Temperature Mode
2. Unit operating in specific High Temperature Mode

- a. Cooling: Water temperature at evaporator inlet/outlet: 23/18 °C, air temperature 35 °C DB.
- b. Heating: Water temperature at evaporator inlet/outlet: 30/35 °C, air temperature 7 °C DB / 6 °C WB.
- c. Sound pressure: Measured 1 meter in front of the unit in an open space.

Product technical specifications may vary from the stated values due to ongoing development by the manufacturer. Always refer to the data on the unit's nameplate.

R290 (100% CH₃CH₂CH₃). GWP value of the refrigerant used: 3.

This equipment contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Explanatory notes can be found on the last page of the catalogue.

The cross-section of individual conductors must be selected in accordance with IEC 60364.



DC INVERTER

R290
NATURAL
REFRIGERANT



a frugal world
Sinclair

Heat pumps S-Therm Ontario



S-THERM ONTARIO heat pumps are named after the Canadian province of Ontario, because this region symbolizes some of the harshest conditions for life. The Ontario series has been designed to be able to operate in these conditions. High efficiency even in low temperatures will guarantee enough heat even in the most remote places of these northern regions.

THERE IS BEAUTY IN SIMPLICITY

The Ontario series heat pumps were designed to maintain simplicity in both construction and operation. This is done by a touch-sensitive color controller with simple operation and user-friendly design.

AVAILABILITY FOR EVERYONE

These challenging times bring many hazards. That's why we've thought of everyone and we offer an affordable heating solution for your home. If you're looking for a heat pump on the market, that has to meet the parameters of high performance and affordable price, these are the devices that are the right solution for you.

MODERN DESIGN

Ontario series heat pumps with their modern look fit any type of homes. Whether it's new construction or renovating an older building.

WIDE RANGE OF MODELS

We offer Ontario series heat pumps in capacities from 4 kW to 16 kW. We offer you split versions with hydrobox as well as split versions with an indoor unit that has an integrated domestic hot water tank with a capacity of 190 litres.

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MAIN FEATURES

REGULATION IN OPERATING MODES FOR MAXIMUM COMFORT

- Heating
- Heating + preparation of hot domestic water
- Cooling
- Cooling + preparation of hot domestic water
- Preparation of hot domestic water

PRIORITY REGULATION

The controller allows you to prioritize specific modes such as "heating + domestic hot water" or "cooling + domestic hot water."

OUTPUT TEMPERATURE CONTROL

Setting a fixed output temperature.

ROOM TEMPERATURE CONTROL VIA INTERNAL SENSOR

- Temperature control according to the desired temperature of the reference room. Remote room temperature sensor included
- Regulation of room temperature using the existing room thermostat
- Heat pump is controlled by the room thermostat in the reference room

FAST CHARGING OF THE HOT WATER TANK

The heat pump and the electric heating element work together to heat the water in the tank as quickly as possible.

WEEKLY TIME SCHEDULE

The heat pump can be controlled using a weekly programme. For each day, there are total of three time programmes with start and stop times. In parallel, the output temperature can be set and the water temperature can be switched simultaneously. Individual days of the week can be set to "absent" and thus be excluded from the time programme.

DISINFECTION FUNCTION

The hot water tank is heated to +70 °C by time control to destroy any bacteria. This function is usually carried out at night. Therefore, the desired day of the week, the start time and the desired temperature can be set for this function.

VACATION FUNCTION

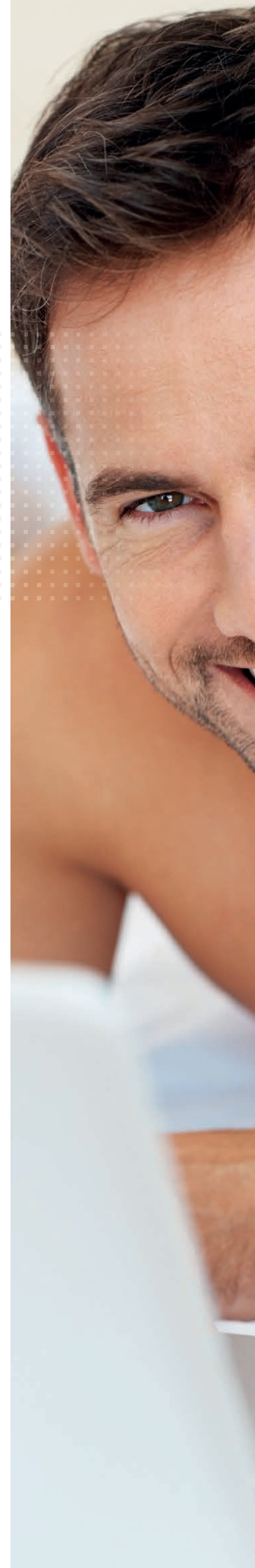
To save energy, you can lower the room temperature in your absence.

SILENT MODE OF THE OUTDOOR UNIT

This function can be used to reduce the noise level of the outdoor unit by time control.

REMOTE ON/OFF SWITCH

Remote Wi-Fi control via the EWPE SMART mobile app



REMOTE CONTROL

TOUCH CONTROLLER

Control of S-therm heat pumps Ontario is done by a touch-sensitive controller, which is located indoors. The control is user-friendly and in the multiple languages.



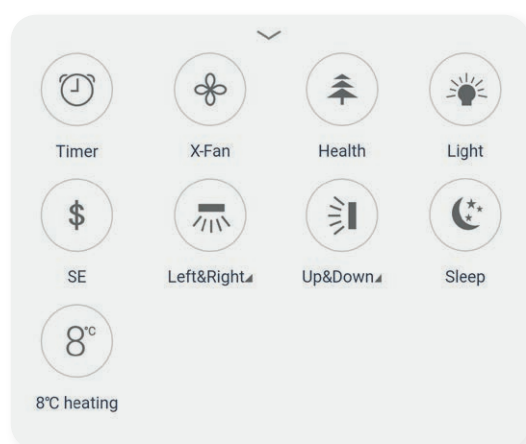
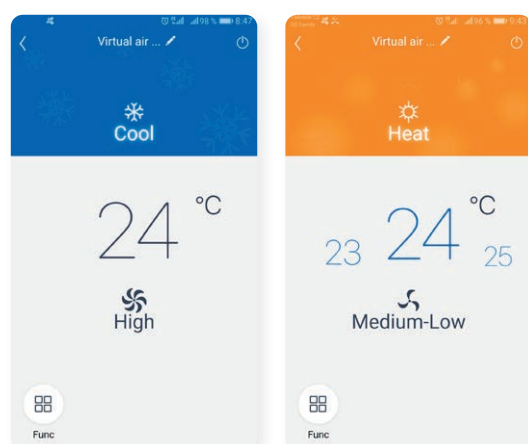
MODES

- Heating or cooling
- Heating of domestic hot water
- Cooling + heating of domestic hot water
- Heating + heating of domestic hot water
- Emergency mode
- Quick heating of domestic hot water
- Holiday mode
- Disinfection mode
- Equitherm mode



REMOTE CONTROL USING THE EWPE SMART APP

S-therm Ontario heat pumps have an integrated wifi module and can be controlled via the EWPE Smart app. Remote control is simple and intuitive.





healthy world
Sinclair

INDOOR UNIT ALL IN ONE



Indoor hydrobox unit with an integrated 190 liter enamelled hot water tank

Heat Pump SINCLAIR ALL IN ONE belongs to a new generation of heat pumps designated for heating, cooling and heating of hot domestic water in households.

- Technology combines an indoor hydrobox unit and an integrated 190 liter enamelled hot water tank
- We offer you ALL IN ONE solutions with performances of 4, 6, 8, 10, 12, 14, 16 kW.
- Units are in one-phase or three-phase (devices with suffix -3)

SAVE SPACE IN THE HOUSE

Thanks to the connection of the hydro unit and the tank, you only need a small space for this heat pump. Indoor unit ALL IN ONE includes circulatory pump WILO and plate heat exchanger Alpha Laval.

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INDOOR UNIT ALL IN ONE

FEATURES

- Touch screen
- Possibility of control via internet with EWPE SMART application
- High efficiency
- Circulatory pump with self-regulation of speed
- Integrated expansion vessel and safety valve
- Possibility of equithermal regulation, regulation according to the reference room temperature or thermostat
- Silent mode
- Three-way valve is part of indoor unit
- Built-in electric cartridge with 3 or 6 kW performance
- New version 2 also includes a circulation pump and an external heat exchanger directly for domestic hot water heating, thus increasing the total tank volume
- Single-phase units with power of 4, 6, 8, 10 kW can only be combined with outdoor units with terminal 2



Model GSH-			40TRB2	60TRB2	80TRB2/80TRB2-3	100TRB2/100TRB2-3	120TRB2/120TRB2-3	140TRB2/140TRB2-3	160TRB2/160TRB2-3	
Power supply		V / Ph / Hz	220-240/1/50			220-240/1/50 / 380-415/3/50				
Connecting pipe(refrigerant)	Gas	inch / mm	1/2" / 12,0				5/8" / 16,0			
	Liquid		1/4" / 6,0							
Connecting pipe (water)	Inlet	inch	1"							
	Outlet									
Safety valve		bar	3							
Leaving water temperature	Cooling	°C	7-25							
	Heating	°C	20-60							
Main components	Water pump	Type	PWM							
		Speed	Automatic							
		Max. power	W	75	75/87		87			
		Hot water tank	Volume	l	190					
		El. heater	kW	3						
	Expansion tank	Volume	l	10						
		Max. pressure	bar	3						
		Pressure	bar	1						
	Auxiliary electric heater	Mode	-	Automatic						
		Capacity	kW	3	6					
		Combination	-	1,5 + 1,5	3 + 3					
Power supply		V / Ph / Hz	220-240/1/50							
Heat exchanger	Type	-	Brazed plate pájený							
	Amount	-	1							
Level of acoustic pressure in 1m		dB (A)	29							
Dimensions	Outline (w × h × d)	mm	650×600×1800							
	Packaged (w × h × d)	mm	803×703×2035							
Weight	Netto	kg	195							
	Brutto	kg	219							

OUTDOOR UNITS

FEATURES

- We offer you outdoor units in a single-propeller version in power of 4, 6, 8, 10, 12, 14, 16 kW in single-phase and three-phase versions (units with suffix -3)
- Outdoor units of compact dimensions facilitating problem-free installations and also transportation
- The device uses environmentally friendly refrigerant R32 with low GWP value
- Compressor with added economizer and intermediate stage injection of refrigerant, thanks to which high efficiency and energy saving are achieved
- Motor control technology by semiconductor frequency converter
- The units are equipped with an inverter control that changes the speed of the compressor. The delivered power of the units
- is precisely adapted to the heating system
- Energy savings of up to 40% and temperature fluctuations are avoided
- Between the outdoor unit and the indoor unit, the pipe length can be up to 20 meters, elevation up to 15 meters
- Units with terminal 2 can only be combined with single-phase ALL IN ONE indoor units



Model GSH-			40ERB2		60ERB2		80ERB2/80ERB-3		100ERB2/100ERB-3		120ERB/120ERB-3		140ERB/140ERB-3		160ERB/160ERB-3			
Power supply			V / Ph / Hz	220-240/1/50				220-240/1/50 / 380-415/3/50				220-240/1/50 / 380-415/3/50						
Capacity		Heating	kW	4	6		8		10 / 10		12		14		15,5			
		Cooling	kW	3,9	5,8		7,7 / 8,5		9,35 / 10		11		12,6		13			
Power		Heating	kW	0,77	1,2		1,61 / 1,63		2,1 / 2,15		2,4		3,0		3,4			
		Cooling	kW	0,68	1,13		1,72 / 1,74		2,36 / 2,15		2,5		3,4		3,6			
COP		Heating	-	5,2	4,88		4,97 / 5,16		4,76 / 4,65		5		4,7		4,5			
EER		Cooling	-	5,7	5,1		4,5 / 4,89		4 / 4,29		4,4		3,7		3,6			
Technical parameters	Level of acoustic pressure	Max.	dB (A)	52				55		60		61						
	Energy class	Heating (55 °C / 35 °C)	-	A+++		A+++		A++/A+++		A++/A+++		A++/A+++		A++/A+++		A++/A+++		
	SCOP	Heating (55 °C / 35 °C)	-	4,7		4,6		3,3/4,6 3,2/4,6		3,5/4,6 3,5/4,7		3,2/4,6 3,2/4,5		3,5/4,7 3,4/4,5		3,5/4,5 3,4/4,5		
	Refrigerant	Type	-	R32														
		Amount	kg	1,1				1,84/1,84				1,84						
	Domestic hot water temperature			°C	40-80													
	Refrigerant pipes	Gas	inch / mm	1/2" / 12,0										5/8" / 16,0				
		Liquid	inch / mm	1/4" / 6,0														
	Unit Dimension		w × h × d	mm	975×702×396				982×787×427/982×787×395						940×820×460			
	Package Dimension		w × h × d	mm	1028×830×458				1097×937×478/1094×917×474						1103×973×573			
Weight		Netto/Brutto	kg	65				82/92 / 88/98				104/114 / 110/121						
Operating temperature range			°C	-25-45														
Standard pipe length			m	5														
Max. pipe length			m	20				15				15						
Max. elevation			m	15														
Additional refrigeration			g/m	16				-										

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

Cooling conditions: Indoor Water Temperature 23°C / 18°C; Outdoor Air Temperature 35°CDB / 24°CWB

Heating conditions: Indoor Water Temperature 30°C / 35°C; Outdoor Air Temperature 7°CDB / 6°CWB

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.



DC INVERTER

ECOLOGICAL REFRIGERANT R32



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MONOBLOC UNITS



Inverter heat pump, which consists of only one compact outdoor unit with everything you need, including hydraulic components

We offer capacities of 4, 6, 8 kW (1 phase) and 10, 12, 14, 16 kW (1 phase and 3 phase)

- The system can be connected to floor heating, radiators or fan coils. If you add a hot domestic water tank and a three-way valve, you can also use the device to heat domestic hot water
- The device just needs to be connected to the heating system and to the electricity. This minimizes costs and the time required for installation.
- Environmentally friendly refrigerant R32 in combination with inverter compressor and EVI exchanger ensure economical and nature-saving operation
- Hermetically sealed refrigerant circuit of the device, minimal risk of refrigerant leakage
- Monoblock heat pump includes circulatory pump, plate exchanger, pressure valve, expansion valve, safety valve and two-stage rotary compressor
- The device works reliably even at low temperatures, down to - 25 °C, thanks to the added economizer and intermediate stage refrigerant injection

S-THERM



S-THERM ONTARIO
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MONOBLOC UNITS

4TH GENERATION

FEATURES

- Touch screen
- Possibility of control via internet with EWPE SMART application
- Integrated expansion vessel and safety valve
- Circulatory pump with self-regulation of speed
- The outlet water temperature from 25 °C to 60 °C
- High efficiency
- Silent mode



Model SMH-			100IRB2/100IRB2-3	120IRB2/120IRB2-3	140IRB2/140IRB2-3	160IRB2/160IRB2-3
Suitable for building heat loss		kW	8-10	11-12	13	14-16
Capacity	Heating	kW	10	12	14	15,5
	Cooling	kW	8,8	11	12,5	14,5
Power input	Heating	kW	2,15	2,64	3,22	3,6
	Cooling	kW	1,96	2,56	3,05	3,82
COP	Heating	-	4,65	4,55	4,35	4,35
EER1	Cooling	-	4,5	4,2	4	4
Energy class	Heating (55°C / 35°C)	-	A++/A+++	A++/A+++	A++/A++	A++/A++
SCOP	Heating (55°C / 35°C)	-	3,2/4,5	3,2/4,5	3,2/4,32	3,2/4,2
			3,2/4,5	3,3/4,5	3,2/4,3	3,3/4,2
Power supply		V/Ph/Hz	220-240/1/50 / 380-415/3/50			
Max. power input		kW	5,3/2,8	5,8/2,8	7,8/2,8	7,8/2,8
Max. current		A	23/12	25/12	34/12	34/12
Refrigerant	Type	-	R32			
	Charge	kg	2,2			
Water pipes	Inlet	mm	DN25			
	Outlet	mm				
Water temperatures range	Heating	°C	20-60			
	Cooling	°C	7-25			
Main components	Water pump	Max. water flow	3,5			
		Power input	75			
	Water flow switch	Minimum flow	0,6			
		Expansion tank	Volume	2		
	Maximum pressure		3			
	Precharged pressure		1			
	Electric heater	Mode	-			
		Steps				
		Capacity				
		Combination				
	Heat exchanger	Power supply	V/Ph/Hz			
		Type	Plate			
Safety valve	Quantity	1				
	Pressure	3				
Sound pressure level LpA	1 m	dB	61			
Unit dimensions	w × h × d	mm	1200×460×879			
Package dimension	w × h × d	mm	1288×588×1020			
Weight	Net/Gross	kg	151/166			
Operating temperature range	Cooling	°C	10~48			
	Heating	°C	-25~35			
	Water heating	°C	-25~45			

* Values belong to units with alternative designations.

The C-end units include a Shinhoo water pump. Units without the C mark contain a Wilo water pump.

AUXILIARY ELECTRIC HEATER FOR ONTARIO MONOBLOCS

The monobloc heat pumps can optionally integrate a bivalent source with the designation EH-SMH. The auxiliary electric heater is available in 3/9 kW - either star connection or in a triangle (3x3 kW, 400V / 3x1 kW, 230V)



S-THERM

MONOBLOC UNITS

5TH GENERATION

FEATURES

- Touch screen
- Possibility of control via internet with EWPE SMART application
- Integrated expansion vessel and safety valve
- Circulatory pump with self-regulation of speed
- The outlet water temperature from 20 °C to 65 °C
- High efficiency
- **Silent mode**
- **New design**
- **More powerful units**



works with
Loxone



Model SMH-			40IRBC	60IRBC	80IRBC/80IRBC-3	100IRBC/100IRBC-3	120IRBC/120IRBC-3	140IRBC/140IRBC-3	160IRBC/160IRBC-3									
Suitable for building heat loss			2-4	5-6	7	8-10	11-12	13	14-16									
Capacity	Heating	kW	5,0	6,0	8,2/8,2	10,2/10,2	12,0/12,0	14,2/14,2	15,7/15,7									
	Cooling	kW	5,0	6,5	8,3/8,3	10,2/10,2	12,0/12,0	13,7/13,9	15,5/15,40									
Power	Heating	kW	0,93	1,11	1,54/1,62	2,02/2,06	2,43/2,49	2,99/3,09	3,45/3,57									
	Cooling	kW	0,96	1,28	1,56/1,64	2,00/2,13	2,45/2,61	3,00/3,32	3,60/4,05									
COP	Heating	-	5,40	5,40	5,32/5,06	5,05/4,95	4,94/4,82	4,75/4,60	4,55/4,40									
EER	Cooling	-	5,20	5,10	5,32/5,06	5,10/4,79	4,90/4,60	4,57/4,19	4,31/3,80									
Energy class	Heating (55°C / 35°C)	-	A++/A+++															
SCOP	Heating (55°C / 35°C)	-	3,50/4,87	3,50/5,05	3,70/4,50 3,45/4,47	3,45/4,47 3,57/4,80	3,67/4,77 3,50/4,57	3,70/4,70 3,52/4,55	3,70/4,67 3,52/4,55									
Power supply		V/Ph/Hz	220-240/1/50			220-240/1/50 / 380-415/3/50												
Max. power	Heating	kW	1,85	1,85	3,75/3,30	4,00/3,55	3,896/3,384	4,851/5,265	5,337/5,784									
	Cooling		2,45	2,45	5,2/5,50	5,75/6,00	6,854/7,967	6,900/8,314	6,900/8,660									
Max. current	Heating	A	8,0	8,0	16,5/5,0	17,5/5,5	17,0/5,0	21,0/8,0	23,0/8,5									
	Cooling		11,0	11,0	23,0/8,0	25,0/9,0	29,0/11,5	30,0/12,0	30,0/12,5									
Refrigerant	Type	-	R32															
	Amount	kg	0,95			1,6		2,2										
Water pipes	Inlet	mm	DN25															
	Outlet	mm																
Water temperatures range	Heating	°C	20-65															
	Cooling	°C	7-25															
Main components	Water pump	Max. water flow	m³/h	0,7	1,1	1,4/1,4	1,7/1,7	2,05/2,05	2,4/2,4	2,75/2,75								
		Power	W	3~87	3~87	3~87	3~87	3~87	3~87	3~87								
	Water flow switch	Minimum flow	m³/h	0,55	0,55	1,13	1,13	1,13	1,13	1,13								
		Expansion tank	Volume	l	2	2	2/3	2/3	3/3	3/3	3/3							
		Maximum pressure	Bar	3	3	3/3	3/3	3/3	3/3	3/3								
		Precharged pressure	Bar	1	1	1/1	1/1	1/1	1/1	1/1								
		Electric heater	Mode	-	-													
	Steps		-															
	Capacity		kW															
	Combination		kW															
		Power supply	V/Ph/Hz															
		Heat exchanger	Type								-	Brazed Plate HEX						
			Amount								-	1						
	Safety valve	Pressure	bar	3														
Level of acoustic pressure LpA	1 m	dB	51	52	52/52	54/54	54/54	55/55	56/56									
Unit Dimension	w × h × d	mm	1150×735×365			1206×878×445												
Package Dimension	w × h × d	mm	1258×503×900			1338×553×1020												
Weight	Netto	kg	90			120/134		138/144										
	Brutto		106			139/152		156/162										
Operating temperature range	Cooling	°C	-15~48															
	Heating	°C	-25~35															
	Water heating	°C	-25~45															

* Units with suffix C include a Shinwoo water pump. Units without C marking contain a Wilo water pump.

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

Cooling conditions: Indoor Water Temperature 23°C / 18°C; Outdoor Air Temperature 35°CDB / 24°CWB.

Heating conditions: Indoor Water Temperature 30°C / 35°C; Outdoor Air Temperature 7°CDB / 6°CWB

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.

Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.

DC INVERTER

ECOLOGICAL REFRIGERANT R32

SERIES COMPARISON

more on page 21



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MONOBLOC

SERIES	YUKON	ONTARIO
Prize	✓	✓
Dimensions	✓	✓
Auxiliary heater	✓ (Built-in 3-9 kW)	✓ (available for purchase)
Flow rate sensing	✓	✗
Efficiency	✓	✓
Circulation pump	Shimge	WILO/Shinhoo
Noise level	✓ (44-58 dB)	✓ (58-61 dB)
Smart grid	✓	✗

more on page 13



more on page 37



MONOBLOC

SERIES	YUKON WITH REFRIGERANT R32	YUKON WITH REFRIGERANT R290
Higher output temperature	✓	✓
Bright design	✓	✗
Dark design	✗	✓
New controller design	✗	✓
Higher COP at lower outlet temp.	✓	✓
Higher COP at higher output temp.	✓	✓
More sensors	✓	✓
Lower noise level	✓	✓
Hermetic enclosure of electronics	✗	✓
Price	✓	✓



more on page 17



more on page 39

ALL IN ONE

SERIES	YUKON	ONTARIO
Prize	✓	✓
Dimensions - outdoor unit	✓	✓
Dimensions - indoor unit	✓	✓
Max. pipe lenght	✓ (30 m)	✓ (15-20 m)
Auxiliary heater	✓ (3-9 kW)	✓ (3-6 kW)
DHW heating element	✗ (by auxiliary heater)	✓ (3 kW)
Flow rate sensing	✓	✗
Efficiency	✓	✓
Circulation pump	Shimge	WILO
Noise level - outdoor unit	✓ (44-55 dB)	✓ (52-61 dB)
Noise level - indoor unit	✓ (27-33 dB)	✓ (29 dB)
3-way valve	✓ (built-in)	✓ (built-in)
Smart grid	✓	✗
Possibility of recirculation	✓	✗
Tank - capacity	190 l for 6-10 kW / 240 l for 12-16 kW	190 l
Tank - material	stainless steel	enamel
Weight of the indoor unit	✓ (140-157 kg)	✓ (195 kg)

✓ THE UNIT SUPPORTS ✓ MORE ADVANCED ✗ UNIT DOES NOT SUPPORT



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MONOBLOC WATER HEATER

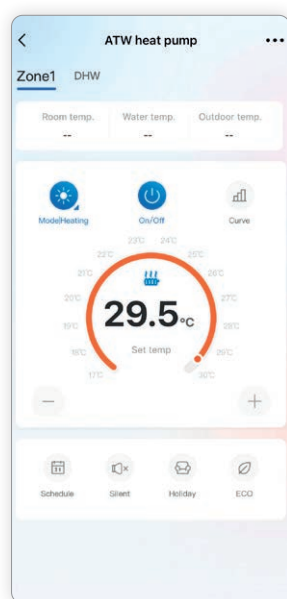


Monobloc hot water heaters in enamel finish

Monobloc hot water heaters in enamel designs that use R134a refrigerant and new units with environmentally friendly R290 refrigerant.

Device in two versions with and without solar exchanger for connection of photothermal panels. Tank volumes ranging from 78 litres to 284 litres.

- Possibility of connection to solar system - device with S ending
- Adjustable temperature of water: 38 °C–70 °C
- Operating ambient temperature: -20 °C–43 °C
- 50 mm polyurethane insulation



iLetComfort

The unit can be connected via wifi to the Comfort home or iLetComfort app



MONOBLOC

WATER HEATER

FEATURES

- Complete insulation between water and electricity. No potential electric shock problem. No fuel pipes and storage, no potential danger from oil leakage, fire, explosion etc.
- Adopts heat pump principle, which absorbs heat from outdoor air and produces hot water, COP up to 5
- Lower power consumption compared to traditional systems
- Ambient temp: -20 to 43 °C, not affected by night-time temperatures, overcast sky, rain and snow
- No discharge of toxic gas. No pollution of the atmosphere or environment
- Automatic start and shutdown, automatic defrosting without any attention
- Possibility of control via Modbus
- Possibility of control via WiFi application



Model SWH-		190IRES2		300IRE2/300IRES2	
Mode		Hybrid	E-heater	Hybrid	E-heater
Operating temperature range	°C	-7 ~ 43	-20 ~ 43	-7 ~ 43	-20 ~ 43
Output water temperature	°C	38 ~ 70			
Power supply	V / Ph / Hz	220-240 / 1 / 50			
Water heating capacity	kW	1,62		2,3	
COP	-	3,86		4,34	
Max. power input	kW	0,42		0,53	
Max. current	A	22,2		33,7	
Energy class	-	A+		A+	
Unit dimension (D x H)	mm	Ø610×1830		Ø700×1930	
Package dimension (w x h x d)	mm	680×2070×680		775×2200×745	
Netto/Brutto weight	kg	268/277		398/406	
Sound pressure level at 1m	dB (A)	36,6		38,2	
Refrigerant	Type / Charge (kg) / t Eq. CO	R134a / 1,1 / 1,57		R134a / 1,5 / 2,00	
Tank design pressure	MPa	1,0			
Air flow volume	m³ / h	270		414	
Water inlet pipe	inch	3/4"			
Water outlet pipe	inch				
Solar water inlet pipe	inch				
Solar water outlet pipe	inch				
Solar pipe max. pressure	MPa	1			
Solar coil surface	m²	1,1		1,3	
Solar coil material	-	Enamel			
E-heater Capacity	kW	1,5		1,5	
Water tank volume	l	176/168		284/272	
Tank material	-	Enamel			

The technical specification of the products may differ from the stated values based on the development of the device by the manufacturer.

Follow the parameters on the nameplate of the unit.

The sound pressure level is tested in an anechoic chamber, values may actually be affected by local conditions.

The equipment contains fluorinated greenhouse gases included in the Kyoto Protocol.

R134a (100% HFC), GWP value of the refrigerant used: 1430

R134a
REFRIGERANT

MONOBLOC

WATER HEATER

FEATURES

- Perfect insulation of electrical parts, no risk of electric shock electric shock. Does not use the fuel supply or the fuel tank, can not occur leakage, explosion or fire
- The principle of the heat pump is based on heat absorption from the ambient air and heat water, COP up to 5
- Power consumption is lower compared to conventional water heaters
- The operating temperature range is from -20 °C to 43 °C, regardless of whether it is night, cloudy, rain or snow
- Does not produce harmful gases, does not pollute the environment
- Automatic switching off and on of the unit is a matter of course, as well as automatic defrosting
- Controllable via Modbus
- Control via WiFi app
- Units with solar exchanger (Suffix - S) - upon request



Model SWH-		190P(M) / 190PS		300P(M) / 300PS	
Mode		Compressor / el. heater / hybrid			
Operating temperature range	°C	-20 ~ 43			
Output water temperature	°C	38 ~ 70			
Power supply	V / Ph / Hz	220-240 / 1 / 50			
Water heating capacity - compressor	kW	1,7	2,1		
COP (A7W54)	-	3,14	3,1		
Max. power input	kW	2,24	2,4		
Max. current	A	10	14		
Energy class	-	A+			
Unit dimension (D x H)	mm	Φ560×1730		Φ660×1895	
Package dimension (w × h × d)	mm	675×655×1945		775×745×2210	
Weight Net/Gross	kg	91/112	94/115	123/148	132/160
Sound power level	dB (A)	56	51	54	51
Refrigerant	type / charge (g) / t Eq. CO ₂	R290 / 150			
Air flow volume	m³/h	350		450	
Water inlet pipe	inch	DN20			
Water outlet pipe	inch				
Solar water inlet pipe	inch	-	DN20	-	DN20
Solar water outlet pipe	inch				
Solar coil surface	m²	-	0,6	-	1,1
Solar coil material	-	-	SUS 316	-	SUS 316
E-heater Capacity	kW	1,64			
Water tank volume	l	185 / 181		275 / 270	
Tank material	-	Enamel			

SWH-xxxP - with Impressed current anode

SWH-xxxPM - with magnesium anode

The specification of products is subject to change based on the further development of the units by the producer and can be changed without prior notice. Refer to the rating label.

R290 (100% CH₃CH₂CH₃). GWP value of the refrigerant used: 3.

This equipment contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Explanatory notes on the last page of the catalogue.

The cross-section of the individual conductors must be chosen with respect to IEC 60364.



MONOBLOC

WALL-MOUNTED

WATER HEATER

FEATURES

- Compact design
- Wall-mountable
- Water connection from the underside
- Air connection from the top
- R290 refrigerant



Model SWH-		80P(M)	100P(M)	150P(M)
Mode		Compressor / el. heater / hybrid		
Operating temperature range	°C	-20 ~ 43		
Output water temperature	°C	38 ~ 70		
Power supply	V / Ph / Hz	220-240 / 1 / 50		
Water heating capacity - compressor	kW	0,95	0,98	1,3
COP (A7W54)	-	3,8	3,8	3,7
Max. power input	kW	1,95	1,95	2,25
Max. current	A	9	9	10,5
Energy class	-	A+		
Unit dimension (D x H)	mm	Φ500×1196	Φ500×1360	Φ500×1707
Package dimension (w × h × d)	mm	620×1295×585	620×1575×585	620×1910×585
Weight Net/Gross	kg	57/63	62/79	80/98
Sound pressure level at 1m	dB (A)	43		45
Sound power level		54		56
Refrigerant	type / charge (g) / t Eq. CO ₂	R290 / 150 / 0,00045		
Air flow volume	m ³ /h	190	200	240
Water inlet pipe	inch	1/2"		
Water outlet pipe				
E-heater Capacity	kW	1,5		
Water tank volume	l	78	98	145
Tank material	-	Enamel		

SWH-xxxP - with Impressed current anode

SWH-xxxPM - with magnesium anode

The specification of products is subject to change based on the further development of the units by the producer and can be changed without prior notice. Refer to the rating label.

R290 (100% CH₃CH₂CH₃). GWP value of the refrigerant used: 3.

This equipment contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Explanatory notes on the last page of the catalogue.

The cross-section of the individual conductors must be chosen with respect to IEC 60364.

R290
NATURAL
REFRIGERANT

HOT WATER HEATER SPLIT UNITS

NEW



Set of outdoor unit
and enamel hot water
tank with a capacity
of 200 or 300 litres

**The water heater with air heat pump is
a modern, efficient, energy-saving and
environmentally friendly product.**



SPLIT UNIT

FEATURES

- Closed circuit of the refrigerant piping system. There is no risk of contamination of the service water with the refrigerant
- The refrigerant piping is wrapped inside the tank
- The heater control is a wall controller in English, which is standard
- Warranty 3 years



OUTDOOR UNIT			SWH-E20C
Heating power capacity		kW	2+2,1
Input capacity		kW	1,2+2,1
Energy class **		-	A+
Outlet water temperature		°C	38-70
Power supply		V / Ph / Hz	220-240 / 1 / 50
Refrigerant	Type	-	R454C
	Amount	kg	0,95
Dimension (w x h x d)	Unit	mm	804x327x555
Weight (gross / net)		kg	29
Sound power level (***)		dB (A)	60
Temperature operating range		°C	-15-46
Max. pipe length		m	30
Max. elevation		m	20

INDOOR UNIT			SWH-I200	SWH-I300
Tank volume		l	190	285
Power Supply to E-heater		V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50
E-heater Power capacity		W	2100	2100
Dimension (w x h x d)	Unit	mm	504x504x1661	580x580x1730
Weight	gross	kg	74	97
Tank material			Enamel	Enamel

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R454C (21,5% HFC-32, 78,5% HFO-1234yf), GWP of refrigerant used: 148.



DOMESTIC HOT WATER TANKS

FEATURES

- Compatible with S-therm Ontario or Yukon heat pumps
- For the preparation and subsequent distribution of hot water
- Standing compact design
- Integrated heat exchanger

ST-250DS TANK WITH A VOLUME OF 250 LITERS

- A simple stainless steel tank with a volume of 250 liters
- Compatible with Yukon series
- Highly effective PU insulation
- Integrated electric hot water heater with a capacity of 1,5 kW
- High performance stainless steel heat exchanger
- Possibility to connect circulation



ACCUMULATION TANKS

FEATURES

- Possible to connect with Sinclair Ontario or Yukon series
- For the accumulation and subsequent distribution of heating water
- Free-standing compact design
- Possibility of direct installation of el. heaters up to 3 or 6 kW
- Outer finish: gray PVC cover
- PU foam insulation with a thickness of 57 mm

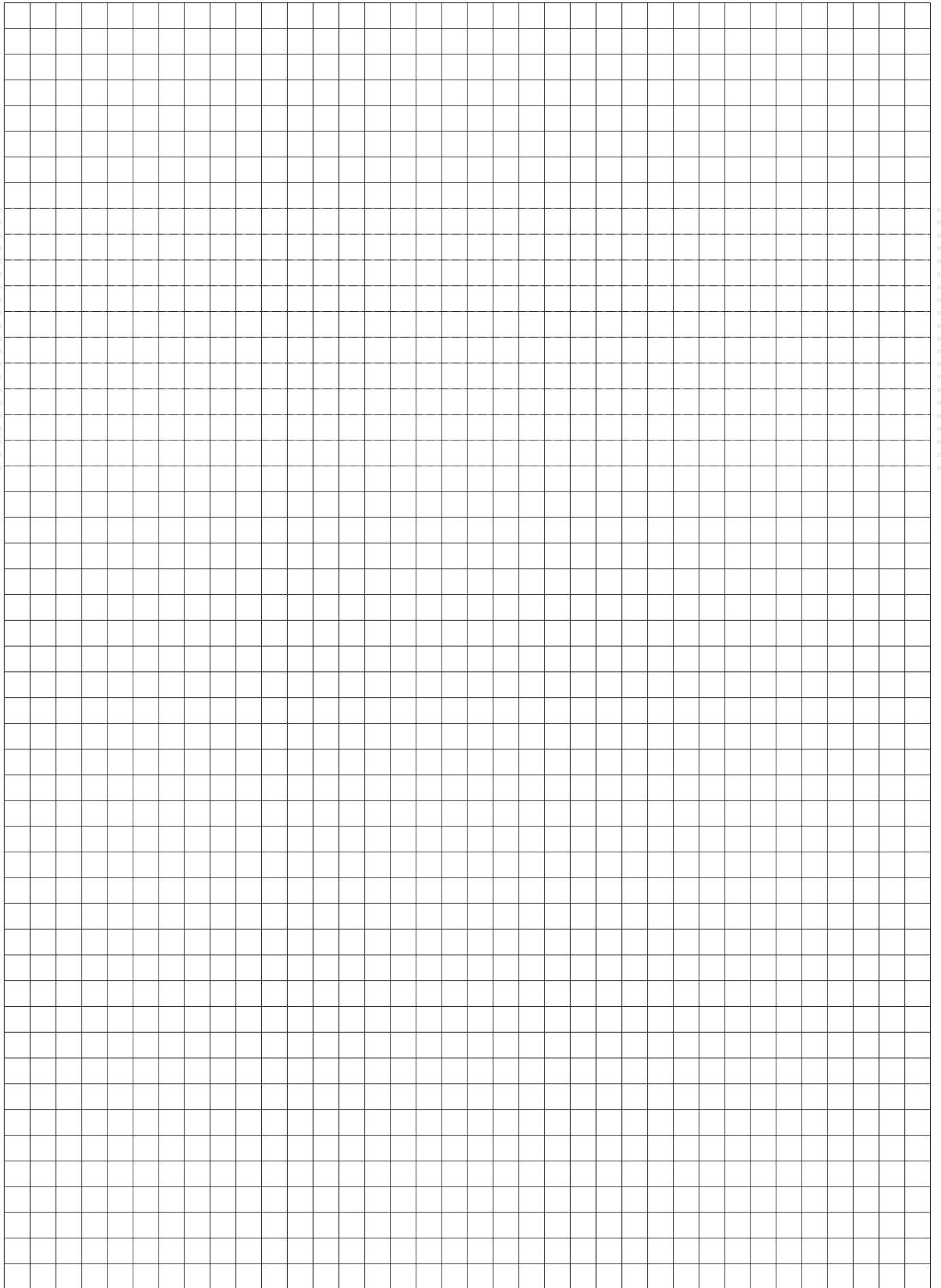
AKU ST 50 S STEEL TANK WITH A VOLUME OF 58 LITERS

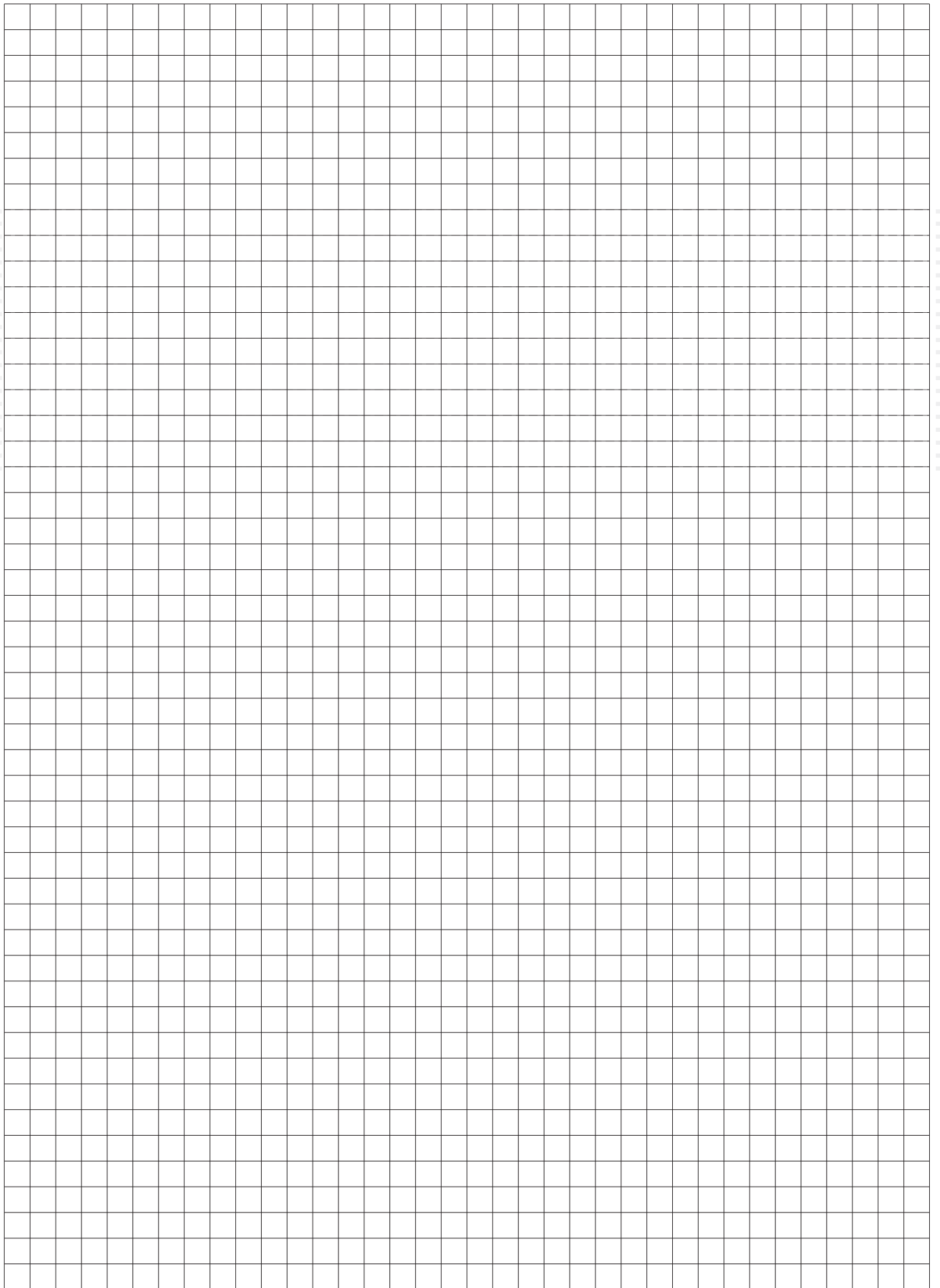
AKU ST 150 S STEEL TANK WITH A VOLUME OF 150 LITERS

AKU ST 300 S STEEL TANK WITH A VOLUME OF 284 LITERS



NOTES





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S-THERM







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