

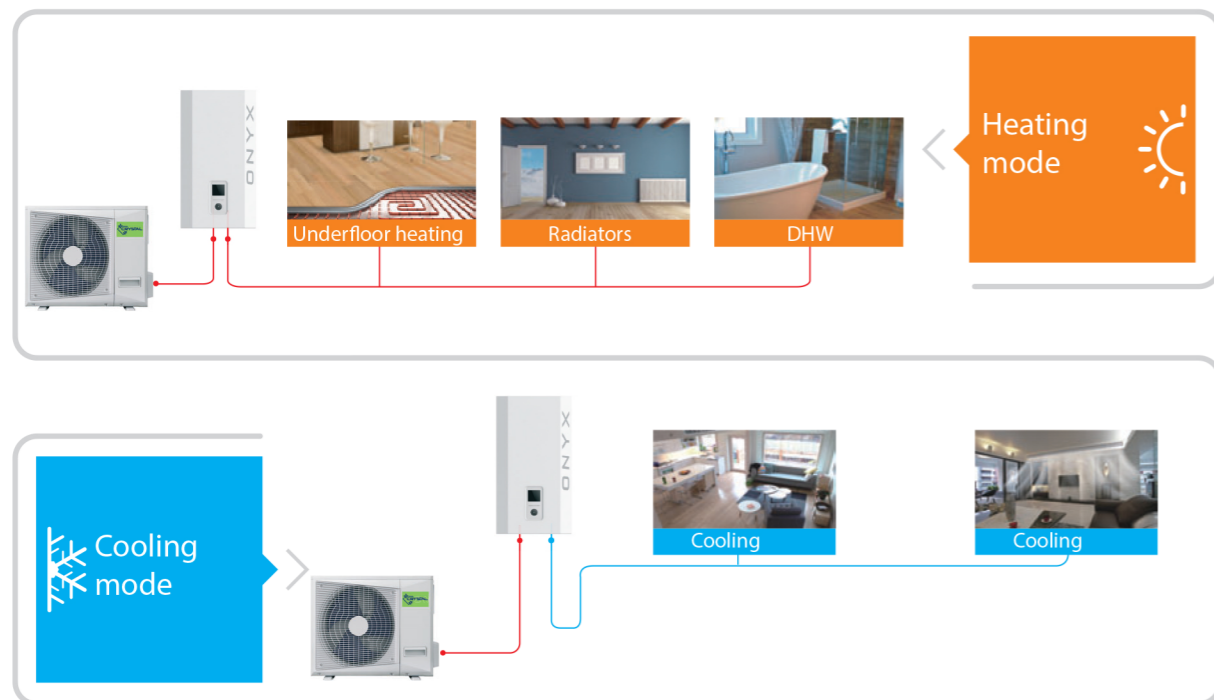
HEAT PUMP ONYX R32



Features

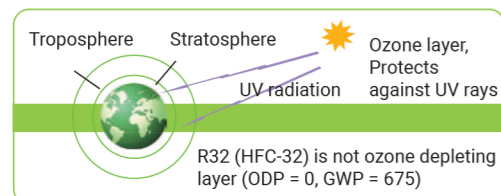
Many applications in one system

Heating, cooling and DHW with only one system. DHW can also be used for underfloor heating, heating with radiators and fan coils.



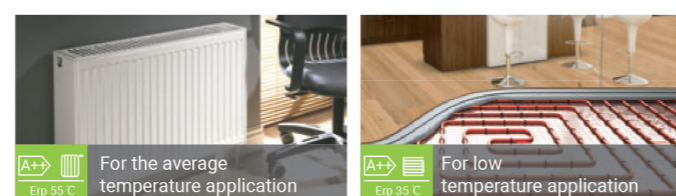
Environmental protection

Freon R32 (HFC-32) with 0 ODP and 675GWP, low carbon content and no ozone depletion



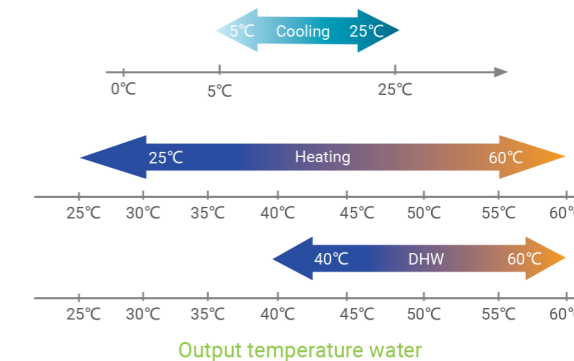
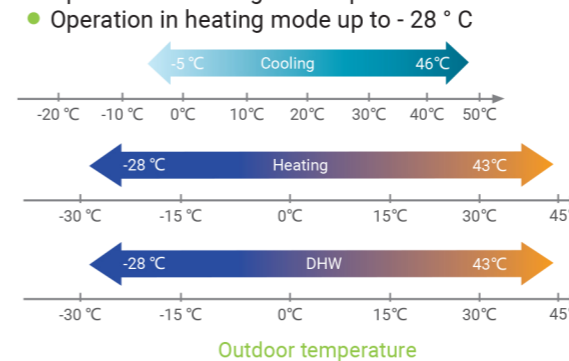
Energy efficiency

ONYX heat pumps use a renewable energy source. The use of renewable sources reduces energy dependence.



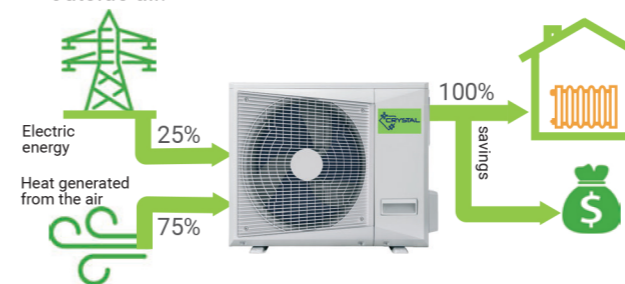
Wide range of operation

- Operation in cooling mode up to 46 °C
- Operation in heating mode up to -28 °C



Air as a source of energy

With the help of the Air-Water heat pump technology, the energy from the outside air is transformed into heat, which is used for heating your home and DHW production. The technology is also used for cooling. The main advantage is that up to 75% of the required energy is extracted from the outside air.

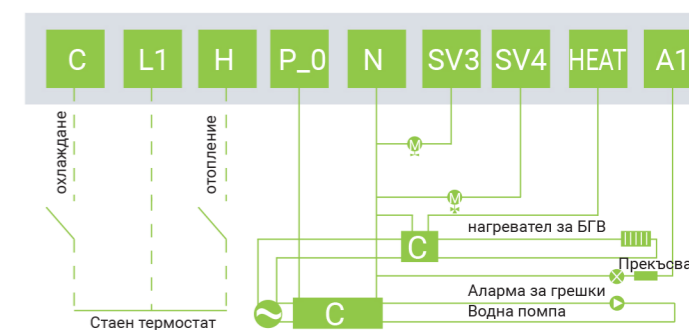


Hydraulic module components



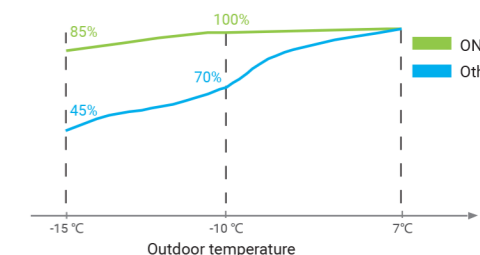
More options

- Connecting a room thermostat
- Connecting 2-way and 3-way valve for change the direction of water flow
- Heater control connection in DHW tank
- Connect extra circulating pump
- Error alarm



High efficiency with low external temperature

Due to the high efficiency compressor, large area heat exchanger and precision system for control, the heat pump can keep high temperature, even at -10 °C and -15 °C.



CONTROLLERS



- Large, easy-to-use display
- Wired control with touch screen, with more functions and ease of use.
- The control can be removed from the hydraulic module for which it is provided additional cover.



- Wi-Fi control
- Mode management
- Function weekly timer
- El. heater
- Forced splitting
- Frost protection

Technical parameters



Outdoor unit		CLO-8S	CLO-12S	CLO-16S
Indoor unit		CLI-8S	CLI-12S	CLI-16S
Technical parameters		∇	∇	∇
Heating power/COP(A7°C/W35°C)	kW/COP	8.26/3.61	12.84/3.80	17.28/3.64
Heating power/COP(A7°C/W55°C)	kW/COP	6.14/2.42	11.4/2.71	15.36/2.6
Heating power/COP(A-7°C/W35°C)	kW/COP	8.04/3.29	12.12/2.85	16.32/2.73
Heating power/COP(A-7°C/W55°C)	kW/COP	6.20/2.13	8.42/1.70	12.64/1.82
Heating power/COP(A-15°C/W35°C)	kW/COP	6.83/2.36	10.2/2.41	13.6/2.9
Heating power/COP(A-15°C/W55°C)	kW/COP	4.49/1.76	7.99/1.61	12.1/1.972
Cooling capacity/EER(A35°C/W7°C)	kW/EER	6.5/2.8	10.2/2.007	15.2/2.81
Cooling capacity/EER(A35°C/W18°C)	kW/EER	6.5/3.8	10.4/2.008	15.2/4.8
Seasonal energy efficiency, heating for temperate climate zone (W35 ° C / W55 ° C)	SCOP(kW)	4.42/3.24	4.34/3.33	4.07/3.38
	ETA(%)	176.8/129.6	170.6/130.2	159.7/132.1
Energy class for heating for temperate climate zone	35°C	A+++	A++	A++
	55°C	A++	A++	A++
Hydraulic module		∇	∇	∇
Power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power cable	mm ²	3x4 mm ²	3x4 mm ²	3x4 mm ²
Communication cable	(вътрешно-външно)	2x0.75 mm ² + shielding	2x0.75 mm ² + shielding	2x0.75 mm ² + shielding
Noise level	dB(A)	45	45	45
Dimensions (W*H*D)	mm	490*910*340	490*910*340	490*910*340
Package(W*H*D)	mm	620*1105*425	620*1105*425	620*1105*425
Net / Gross weight	kg	47/55	48/56	48/56
Water connections (In - Out)	mm/inch	DN32 / 1 1/4" – DN32 / 1 1/4"	DN32 / 1 1/4" – DN32 / 1 1/4"	DN32 / 1 1/4" – DN32 / 1 1/4"
Water pump	kW	Inverter	Inverter	Inverter
Power of electric heater	kW	3	3	3
Max. power supply	A	3.6	3.6	3.6
Max. current supply	V/N/Hz	17	17	17
Outdoor unit		∇	∇	∇
Power supply	V/N/Hz	220-240/1/50	220-240/1/50	380-415/3/50
Power cable	mm ²	3x4 mm ²	3x4 mm ²	5x4 mm ²
Noise level	dB(A)	66	68	70
Max. power supply	kW	4.2	5	6.4
Max. current supply	A	19	22	12.1
Dimensions (W*H*D)	mm	935x702x382	1032*810*445	1014*1430*450
Package(W*H*D)	mm	975x770x435	1075*875*495	1095*1545*485
Net / Gross weight	kg	55/58	63.5/68	124/138
Air flow	m ³ /h	3200	4000	6100
Diameter of freon pipes	mm	9.52/15.88	9.52/15.88	9.52/15.88
Max. Pipe length / displacement	m	20.окт	50/20	50/20
Freon	Type / Quantity	kg	R32/1.4	R32/3.1
	Recharging after 5 m	g	Total length of pipes – 5 m)*30 g/m	
Operating outdoor temperature	Cooling	°C	-5 ÷ 46°C	
	Heating	°C	-28 ÷ 43°C	
	DHW	°C	-28 ÷ 43°C	
Water temperature in the installation	Cooling	°C	5 ÷ 25°C	
	Heating	°C	25 ÷ 60°C	
	DHW	°C	40 ÷ 60°C	



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The greenest solution for heating and DHW