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AUX - ABOUT THE BRAND

A NEW DIMENSION OF QUALITY

The AUX Group, present in global markets for 36 years, is recognised as one of the leading manufacturers in the sectors of real estate, finance, electronics, and smart household appliances. It boasts a powerful production infrastructure, including automated factories, research and development centres, and a highly skilled workforce.

HVAC systems form a strong pillar of the group's operations, and the continuous and dynamic growth in sales volume has placed the AUX brand among the top three in China's air conditioning industry.

The AUX Group places great emphasis on sustainable development, ensuring the responsible and thoughtful use of resources to secure prosperity for both present and future generations. In its laboratories, the company develops patented technologies focused on continuous optimisation and improvement in the areas of ecology, energy efficiency, and performance.

Aligned with the concept of sustainable development is a commitment to human health and improving the quality of the air we breathe.



AUX - ABOUT THE BRAND

PRODUCT RANGE

ROOM AIR CONDITIONERS

AUX room air conditioners include as many as 8 unique wall-mounted models. All units feature sophisticated design and the most comprehensive range of functions in their class.

COMMERCIAL AIR CONDITIONERS

AUX air conditioning systems are an excellent choice for commercial spaces. Wall-mounted, cassette, ducted, and floor-ceiling units allow for the creation of a complete and discreet air conditioning system in any room.

MULTI AIR CONDITIONERS

AUX offers multi-split air conditioning solutions, which are gaining increasing popularity in Poland. Multi-split systems are perfect for homes, apartments, shops, small hotels, and service facilities.

ARV SYSTEMS

The ARV7 is AUX's latest-generation system. These highly advanced technological units are an ideal solution for commercial buildings, offices, hotels, and residential buildings (ARV Mini).

AUX HEAT PUMPS

Air-to-water heat pumps are a new addition, directly addressing the evolving market demands. AUX Group has designed intelligent and reliable devices that provide an energy-efficient, comprehensive home heating system.









An expert in delivering energy-efficient solutions



SUSTAINABLE

DEVELOPMENT

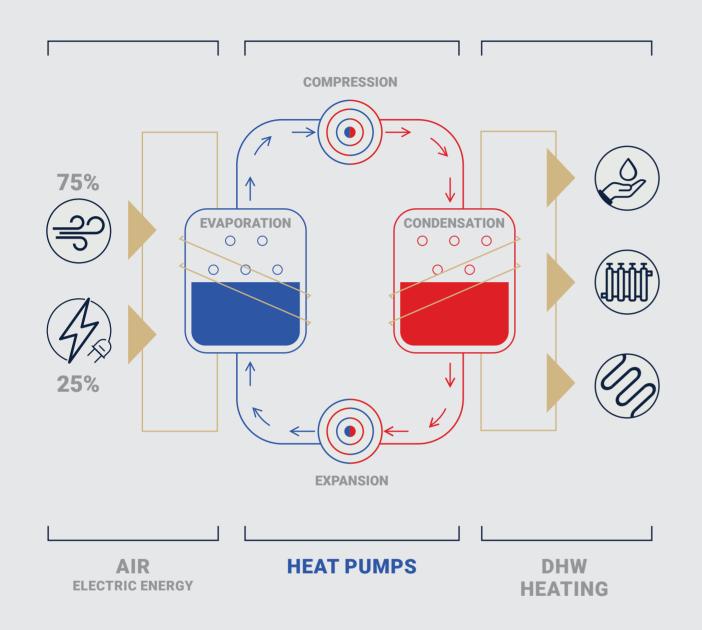
As one of the leading manufacturers of advanced air conditioning systems and heat pumps, the AUX Group takes sustainable development very seriously. One of its key pillars is environmental responsibility. AUX's brand policy is based on the idea of using natural resources rationally, ensuring prosperity for both present and future generations.

Teams of highly qualified engineers working in AUX research centres worldwide are constantly seeking energy-efficient, intelligent, and ecofriendly technological solutions. By integrating these innovations into production processes, AUX contributes to sustainable development while delivering cleaner and better air.



A BETTER TOMORROW

AUX cares about the quality of the air you breathe



ENERGY

FROM NATURE

A heat pump utilises up to 75% of free energy from the air, with only 25% coming from electricity. In practice, this means the device extracts heat from the outdoor air and, with minimal electricity consumption, transfers it into the building.

The energy efficiency of heat pumps is measured by the COP (Coefficient of Performance), which indicates the ratio of heat delivered to the amount of electricity consumed. The higher the COP, the greater the energy efficiency. A higher energy efficiency ratio translates to better performance and, consequently, greater savings.

A heat pump is one of the most cost-effective and environmentally friendly heating systems available.





75% Free Energy from the Environment

HOW DOES

A HEAT PUMP WORK?

The vast majority of air-to-water heat pumps are classified as renewable energy sources and are currently considered the most efficient heating technology. An air-to-water heat pump utilises heat accumulated in the air for heating, cooling, and domestic hot water production.

Despite common misconceptions, the operation of a heat pump is not complicated and is based on a well-known mechanism used, for example, in refrigerators. The key components of a heat pump include a compressor, expansion valve, condenser, and evaporator. The entire process is made possible by the refrigerant.

The refrigerant is a liquid that circulates within the system, boiling at low pressure and temperature while absorbing heat from the surroundings. Next, the pressure and temperature increase, and the refrigerant transforms into a gas due to the compressor. It then moves to the condenser, where it releases heat into the heating system. After this, the refrigerant, now in liquid form, passes through the expansion valve, where its pressure and temperature drop, restarting the cycle.

If the heat pump has an integrated cooling function, the process works in reverse – the refrigerant extracts heat from the water and releases it outside.



The most important factors defining heat pump efficiency



COP

Coefficient of Performance

The coefficient of performance (COP) defines the ratio of the amount of heat energy delivered by the heat pump to the amount of energy it consumes. If a heat pump has a COP of 5, it means that to generate 5 kW of heat, the device uses only 1 kW of electricity.

SCOP

Seasonal Coefficient of Performance

The Seasonal Coefficient of Performance (SCOP) allows for calculating the amount of electricity consumed over a year or heating season.

This makes it easy to estimate the cost of heating a building with a heat pump.

EER

Energy Efficiency Ratio

The Energy Efficiency Ratio (EER) defines the ratio of the amount of cooling energy delivered by the heat pump to the amount of energy it consumes If a heat pump has an EER of 5, it means that to generate 5 kW of cooling, the device uses only 1 kW of electricity.

SEER

Seasonal Energy Efficiency Ratio

The Seasonal Energy Efficiency Ratio (SEER) allows for calculating the amount of electricity consumed over a year or cooling season. This makes it easy to estimate the cost of cooling a building with a heat pump.

The higher the SCOP and SEER values the lower the electricity bills



WHY CHOOSE







A complete heating system

Heats, cools the building, and provides domestic hot water



Versatile application

Designed for new buildings and thermal modernisation projects



Complete safety

No risk of fire, explosion, or carbon monoxide poisoning



Easy and quick installation

The estimated installation time by an experienced company is approximately 1–3 days



Maintenance-free operation

No need for cleaning, igniting, or constant monitoring of the device



Peace and quiet

Quiet operation ensures high user comfort



Savings

Free energy from the air and the possibility of integration with a photovoltaic system



Ecology

Operation does not emit harmful substances into the environment



Aesthetics

No need to install radiators, which often compromise interior aesthetics



Long lifespan

The average lifespan of a heat pump is estimated to be 20 years.

FEATURES AND FUNCTIONS

OF THE AUX HEAT PUMP



Surface heating



R32 refrigerant



DHW setting up to 60°C



Inverter technology



Energy efficiency A+++



Past DHW



Sterilisation capability up to 65°C



Automatic water temperature adaptation



ECO mode



Holiday mode



Quiet operation



SG Ready



Safety



Certificates



Emissionfree



Maintenancefree



Quick installation



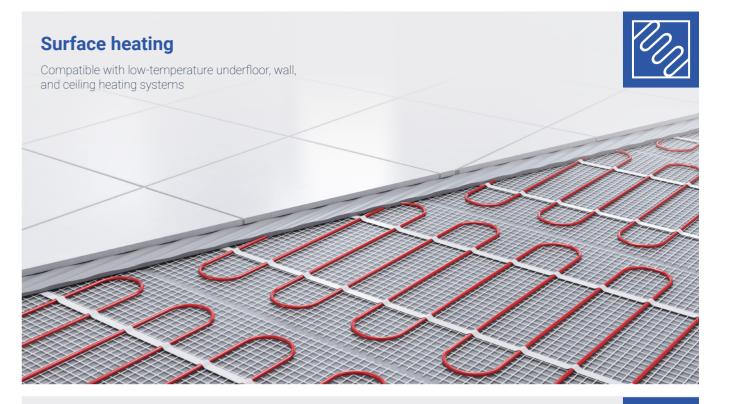
Versatile application



Low operating cost



Wi-Fi module











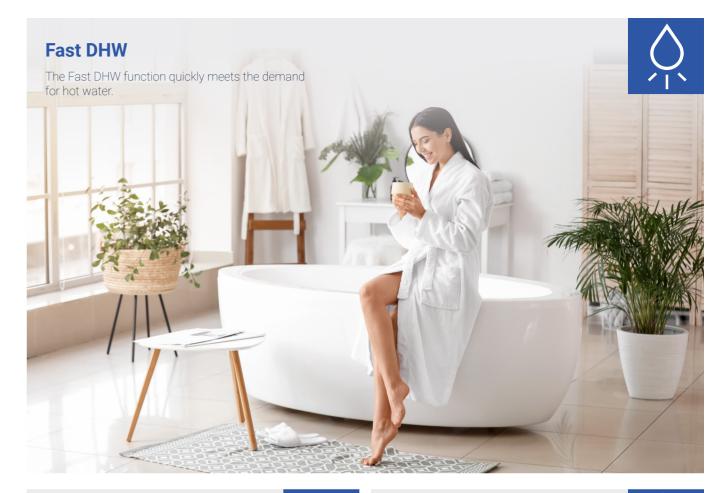


AUX develops and implements innovative technologies









Sterilisation at 65°C

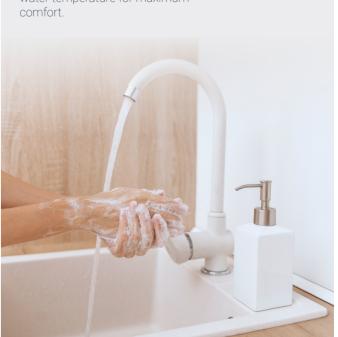
The high sterilisation temperature ensures 99% effectiveness in eliminating Legionella bacteria, which can multiply in DHW tanks when hot water is not used for an extended period. Proper operation requires an additional TBH heater.



Automatic water temperature

The heat pump automatically determines and sets the optimal water temperature for maximum comfort.





ECO mode



Eco mode saves up to 50% energy.



Holiday mode





Quiet operation



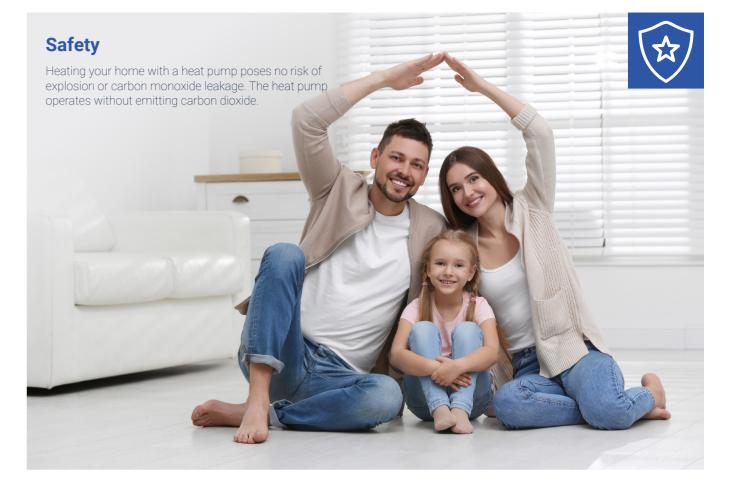


SG Ready











Emissions-free

The heat pump is a device that does not emit any pollutants into the environment, making it an eco-friendly alternative to traditional heating methods.



Maintenance-free

The heat pump is a virtually maintenance-free system, allowing for significant time savings.







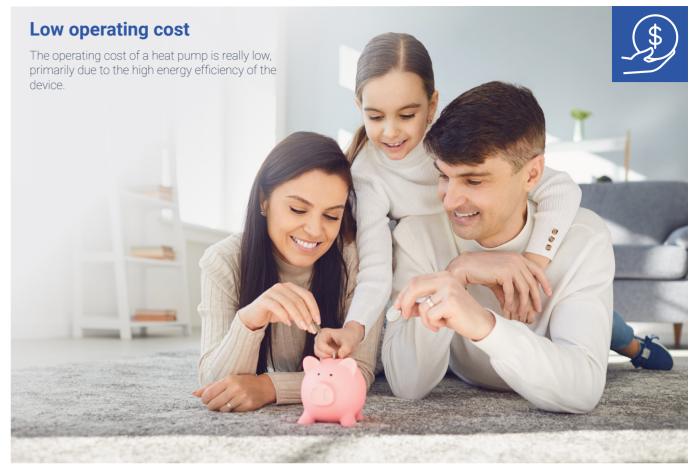
Quick installation

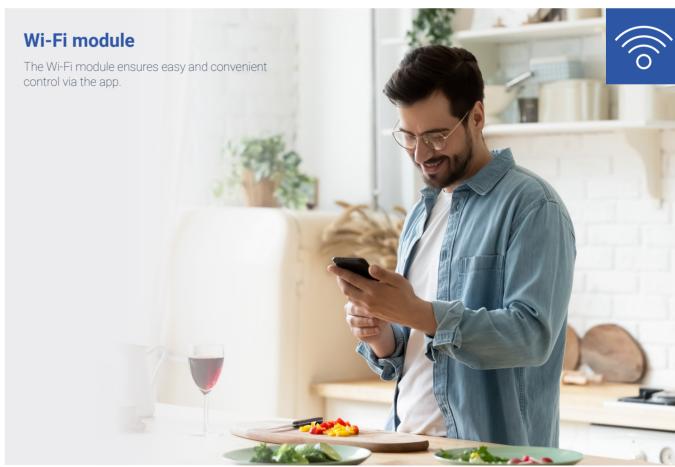
The installation of an air-source heat pump is relatively quick and straightforward, usually taking between



Versatile application







FUNDING

MY WARMTH (MOJE CIEPŁO)

The "Moje Ciepło" programme provides subsidies for the purchase and installation of heat pumps in single-family homes. The subsidies range from 7,000 to 21,000 PLN and are intended to cover up to 30% of eligible investment costs, or up to 45% for holders of the Large Family Card. The "Moje Ciepło" initiative aims to encourage investment in renewable energy sources, specifically in the development of heating systems that use zero-emission heat sources in single-family homes. According to NFOŚiGW, the "Moje Ciepło" programme will run until 2026. The budget for the programme, funded by the Modernisation Fund, amounts to 600 million PLN.

The programme is targeted at individuals who are the owners or co-owners of new single-family residential buildings.

The "Moje Ciepło" programme supports the purchase and installation of heat pumps in new homes and complements the "Czyste Powietrze" programme, which provides financial support for thermomodernised buildings.



What does "New house" mean

in the understanding of the "Moje Ciepło" Programme?

A "new house" is one that meets one of the following conditions:

- The notification of completion of construction was submitted no earlier than 1 January 2021.
- On the date of submitting the application for the grant, no notification of the completion of a single-family residential building has been submitted, or no application for a decision on the issuance of a permit for use has been submitted in accordance with the provisions of the Construction Law Act of 7 July 1994.



What should be done

to receive funding?

- You must purchase and install a heat pump in the new house.
- The device should be purchased between 1 January 2021 and 31 December 2026.
- You must choose a device with an enhanced energy standard. This means that the value of the annual non-renewable primary energy indicator (EP) for heating, ventilation, and hot water for domestic use may not exceed 63 kWh/(m² per year) in the first year of operation, i.e. in 2022. In subsequent years, the requirement for the EP indicator will be no more than 55 kWh.



FUNDING

CLEAN AIR (CZYSTE POWIETRZE)

Clean Air Programme – a nationwide financial support programme for replacing heat sources. The programme is for owners and co-owners of single-family homes, offering subsidies for replacing the heat source and performing energy efficiency works. The aim of the programme is to improve air quality and reduce greenhouse gas emissions through the replacement of heat sources and the improvement of energy efficiency in single-family residential buildings.

The Clean Air Programme is directed towards owners or co-owners of single-family residential buildings, or residential premises separated within single-family buildings with a separate land and mortgage register.

Applications for funding can be submitted online or at the office. For more information, visit: **www.czystepowietrze.gov.pl**



Twój wybór!

Scope of support

in the Clean Air programme

Funding for the replacement of old and inefficient solid fuel heat sources with modern heat sources that meet the highest standards, as well as carrying out necessary energy efficiency works on the building.

The amount of funding

in the Clean Air programme

- Basic level: up to 30,000 PLN
- Enhanced level: up to 37,000 PLN / up to 47,000 PLN (grant with pre-financing)
- Highest level: up to 69,000 PLN / up to 79,000 PLN (grant with pre-financing)

TECHNICAL

SPECIFICATIONS



Model name			ACHP-H04/4R3HA	ACHP-H06/4R3HA	ACHP-H08/4R3HA
Outdoor unit			ACHP-H04/4R3HA-O	ACHP-H06/4R3HA-O	ACHP-H08/4R3HA-O
Indoor unit			ACHP-H04/4R3HA-I	ACHP-H06/4R3HA-I	ACHP-H08/5R3HA-I
	Capacity	kW	4,30	6,25	8,40
Heating (A7/W35) (1)	Power consumption	kW	0,83	1,30	1,62
	СОР		5,20	5,00	5,20
	Capacity	kW	4,36	6,40	8,30
Heating (A7/W55) (2)	Power consumption	kW	1,47	2,13	2,60
	СОР		2,96	3,00	3,19
	Capacity	kW	4,50	6,60	8,45
Cooling (A35/W18) (3)	Power consumption	kW	0,81	1,35	1,67
	EER		5,56	4,90	5,06
	Capacity	kW	4,75	7,05	7,45
Cooling (A35/W7) (4)	Power consumption	kW	1,40	2,35	2,20
	EER		3,40	3,00	3,39
Seasonal energy efficiency class:	LWT 35°C		A+++	A+++	A+++
heating (6)	LWT 55°C		A++	A++	A++
SCOP (6)	LWT 35°C		4,86	4,96	5,22
	LWT 55°C		3,32	3,53	3,37
Dawes awards	Outdoor unit	V/~/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power supply	Indoor unit	V/~/Hz	220-240/1/50	220-240/1/50	380-415/3/50
Maximum overcurrent protection		A	18	18	19



ACHP-H10/4R3HA	H10/4R3HA ACHP-H12/5R3HA ACHP-H14/5R3HA		ACHP-H16/5R3HA		
ACHP-H10/4R3HA-O	ACHP-H12/5R3HA-O	ACHP-H14/5R3HA-O	ACHP-H16/5R3HA-O		
ACHP-H10/5R3HA-I	ACHP-H12/5R3HA-I	ACHP-H14/5R3HA-I	ACHP-H16/5R3HA-I		
10,00	12,20	14,5	16,10		
2,00	2,44	3,08	3,57		
5,00	5,00	4,71	4,51		
10,00	12,00	14,00	16,1		
3,23	3,86	4,67	16,1 5,53 2,91 15,00 4,41 3,40 14,00 5,7 0		
3,10	3,11	3,00	2,91		
10,00	12,00	13,60	15,00		
2,08	3,00	3,78	4,41		
4,80	4,00	3,60	3,40		
8,30	11,70	12,80	14,00		
2,52	4,3 0	5,00	5,7 0		
3,30	2,75	2,56	2,46		
A+++	A+++	A+++	A+++		
A++	A++	A++	A++		
5,20	4,82	4,71	4,63		
3,50	3,46	3,48	3,43		
220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50		
380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50		
19	14	14	14		

or temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C. | (2) Outdoor temperature 7°C DB or temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C. | (4) Outdoor temperature 35°C Db or temperature 35°C DB, EWT 11°C, LWT 7°C. | (6) Seasonal energy efficiency class meas 5.U standards and reotations; EN 45°T; EN 35°S 4.EN 12°C.

We reserve the right to errors in descriptions, appearance, functions, technical parameters, and dimensional drawings resulting from the continuous improvement of our devices.

AUX

Model name			ACHP-H04/4R3HA	ACHP-H06/4R3HA	ACHP-H08/4R3HA
Outdoor unit			ACHP-H04/4R3HA-O	ACHP-H06/4R3HA-0	ACHP-H08/4R3HA-0
Indoor unit			ACHP-H04/4R3HA-I	ACHP-H06/4R3HA-I	ACHP-H08/5R3HA-I
Compressor	Туре	-	Dual rotary DC Inverter	Dual rotary DC Inverter	Dual rotary DC Inverter
	Motor type	-	Brushless DC motor	Brushless DC motor	Brushless DC motor
External unit fan	Number of fans	-	1	1	1
R32 refrigerant	Quantity	kg	1,10	1,10	1,45
Type of expansion valve		-	Electronic	Electronic	Electronic
D. friends	Diameter of the liquid/gas connection	mm	Ф9.52/15.9	Ф9.52/15.9	Ф9.52/15.9
Refrigeration system	Min/ max installation length	m	2/30	2/30	2/30
Height difference of the installation	Outdoor unit above / below	m	20	20	20
Sound pressure level (1m)	Outdoor unit	dB	43	44	45
	Indoor unit	dB	28	28	29
Net dimensions	Outdoor unit	mm	350 × 700 × 900	350 × 700 × 900	395 × 805 × 970
(length × height × width)	Indoor unit	mm	420 × 790 × 270	420 × 790 × 270	420 × 790 × 270
Packaging dimensions	Outdoor unit	mm	430 × 770 × 1020	430 × 770 × 1020	495 × 895 × 1105
(length × height × width)	Indoor unit	mm	515 × 985 × 355	515 × 985 × 355	515 × 985 × 355
Notoniale (and a mainle	Outdoor unit	kg	51 / 55	51 / 55	65 / 69
Net weight / gross weight	Indoor unit	kg	38 / 44	38 / 44	39 / 45
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48
Range of operation in external temperatures	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35
	сwu	°C	-25 ~ 43	-25 ~ 43	-25 ~ 43
	Cooling	°C	5 ~ 25	5 ~ 25	5 ~ 25
Water supply temperature range	Heating	°C	25 ~ 65	25 ~ 65	25 ~ 65
	CWU	°C	30 ~ 60	30 ~ 60	30 ~ 60

ACHP-H10/4R3HA	ACHP-H12/5R3HA	ACHP-H14/5R3HA	ACHP-H16/5R3HA
ACHP-H10/4R3HA-O	ACHP-H12/5R3HA-O	ACHP-H14/5R3HA-O	ACHP-H16/5R3HA-0
ACHP-H10/5R3HA-I	ACHP-H12/5R3HA-I	ACHP-H14/5R3HA-I	ACHP-H16/5R3HA-I
Dual rotary DC Inverter			
Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
1	1	1	1
1,45	1,84	1,84	1,84
Electronic	Electronic	Electronic	Electronic
Ф9.52/15.9	Ф9.52/15.9	Ф9.52/15.9	Ф9.52/15.9
2/30	2/30	2/30	2/30
20	20	20	20
48	49	50	54
29	31	31	31
395 × 805 × 970	420 × 860 × 990	420 × 860 × 990	420 × 860 × 990
420 × 790 × 270	420 × 790 × 270	420 × 790 × 270	420 × 790 × 270
495 × 895 × 1105	530 × 880 × 1085	530 × 880 × 1085	530 × 880 × 1085
515 × 985 × 355	515 × 985 × 355	515 × 985 × 355	515 × 985 × 355
65 / 69	88 / 94	88 / 94	88 / 94
39 / 45	39 / 45	39 / 45	39 / 45
10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43
5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25
25 ~ 65	25 ~ 65	25 ~ 65	25 ~ 65
30 ~ 60	30 ~ 60	30 ~ 60	30 ~ 60

AUX

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Mod	el name			ACHP-H04/4R3HA	ACHP-H06/4R3HA	ACHP-H08/4R3HA
Outd	oor unit			ACHP-H04/4R3HA-O	ACHP-H06/4R3HA-O	ACHP-H08/4R3HA-O
Indo	or unit			ACHP-H04/4R3HA-I	ACHP-H06/4R3HA-I	ACHP-H08/5R3HA-I
	Water connecti	on	cale	R1"	R1"	R1"
	Safety valve se	tting	MPa	0,3	0,3	0,3
=	Minimum wate	r flow	m³/h	0,36	0,36	0,36
rculatio	Expansion	Capacity	L	8	8	8
Water circulation	vessel	Max water pressure	MPa	0,3	0,3	0,3
>	Type of water h	eat exchanger	-	Plate	Plate	Plate
	Flow electric he	eater	kW	3	3	9
	The height of t	ne water pump lift	m	9,5	9,5	9,5

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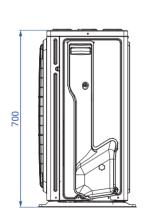
ACHP-H10/4R3HA	ACHP-H12/5R3HA	ACHP-H14/5R3HA	ACHP-H16/5R3HA
ACHP-H10/4R3HA-0	ACHP-H12/5R3HA-O	ACHP-H14/5R3HA-O	ACHP-H16/5R3HA-O
ACHP-H10/5R3HA-I	ACHP-H12/5R3HA-I	ACHP-H14/5R3HA-I	ACHP-H16/5R3HA-I
R1"	R1"	R1"	R1"
0,3	0,3	0,3	0,3
0,36	0,6	0,6	0,6
8	8	8	8
0,3	0,3	0,3	0,3
Plate	Plate	Plate	Plate
9	9	9	9
9,5	9,5	9,5	9,5

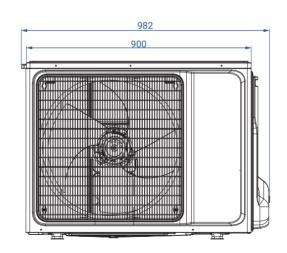
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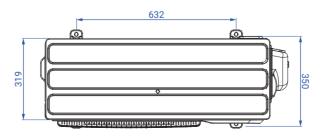
DIMENSIONAL **DRAWINGS**

Outdoor unit 4 kW, 6 kW

ACHP-H04/4R3HA-O ACHP-H06/4R3HA-O



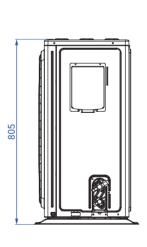


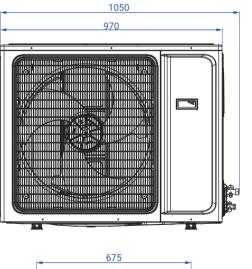


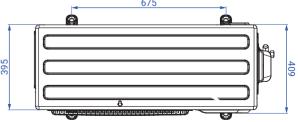
Outdoor unit 8 kW, 10 kW

AUX

ACHP-H08/4R3HA-0 ACHP-H10/4R3HA-0







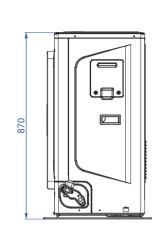
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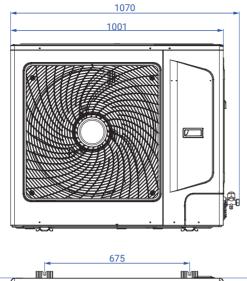
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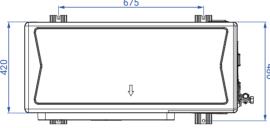
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Outdoor unit 12 kW, 14 kW, 16 kW

ACHP-H12/5R3HA-O ACHP-H14/5R3HA-O ACHP-H16/5R3HA-O

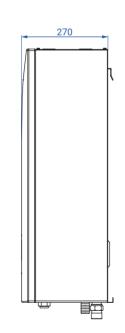


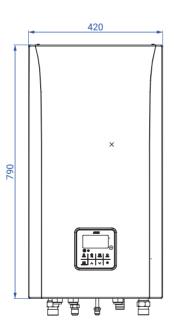


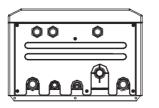


Indoor unit

ACHP-H04/4R3HA-I ACHP-H06/4R3HA-I ACHP-H08/5R3HA-I ACHP-H10/5R3HA-I ACHP-H12/5R3HA-I ACHP-H14/5R3HA-I ACHP-H16/5R3HA-I











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YOUR TRUSTED

PARTNER IN BUSINESS

We are committed to improving living conditions and comfort, which is why our offer includes a full range of air conditioning devices and systems dedicated to individual clients, small businesses, as well as large institutional clients.





Warranty and post-warranty service



Commissioning and startup of devices



Design and technical consulting



Delivery of equipment

WWW.WIENKRA.PL

We are the **exclusive distributor** of the AUX brand in Poland! We invite you to visit our branches.

WEARE

AT YOUR DISPOSAL

We have delivered over one million air conditioners to our customers, as we have been working continuously for 30 years with global leaders in air conditioning device production. Therefore, we are confident that we offer products and solutions of the highest quality, incorporating the latest technologies, meeting high standards in terms of energy efficiency, design, and ecology.



Cracow:

34 Kotlarska street, 31-539 Cracow

♀ 20g Rzemieslnicza street, 30-347 Cracow
▼ wienkra-waw@wienkra.pl

- **48** 12 428 55 00
- wienkra@wienkra.pl

Warszawa - Janki:

Wrocław:

wienkra-wro@wienkra.pl

AUX

AUX HEAT PUMPS





WIENKRA Sp. z o.o.

Exclusive Distributor of the AUX brand in Poland:

www.auxcool.com

f auxaurope

Cracow:

- 20G Rzemieslnicza street, 30-347 Cracow wienkra-waw@wienkra.pl

Warsaw - Janki:

15 Sokolowska street, 05-090 Janki
 wienkra-waw@wienkra.pl

Wroclaw:

• 61 Armii Krajowej Avenue, 50-541 Wrocław wienkra-wro@wienkra.pl