Galmet
creating smart solutions

HEAT PUMPS

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Made in Poland

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AIR SOURCE HEAT PUMP WATER HEATER FOR DHW - *spectra*

- High COP value of 3,52 (A20/W10-55) and 3,49 (A15/W10-55), according to the newest standards.[1]
- Highest possible energy efficiency class A+.
- SQUARE Jacket Design® - modern, square shaped outer casing.
- The 200 l water tank secures the domestic hot water for 4-5 person family.
- Water is heated up to 55°C.
- Spiral coil can be used for connecting an additional energy source (i.e. solid-fuel boiler, solar panels, etc.).[2]
- Ability to set up the work schedule to both heat pump and circulation pump.
- Low power consumption – only 0,45 kWh.
- Longer service life of the tank thanks to the anti-corrosion DIELECTRIC PROTECTION®.
- The heat pump is equipped with a 2 kW electric heater, which is used during the increased demand for DHW.
- Drying and partial air conditioning of the room during device's operation.
- Annual savings of ~2600 kWh compared to traditional electric heater.[3]

Spectra

ST-530 controller

specification	unit	Spectra 200 with 1 spiral coil
catalogue number	-	09-363100
COP	-	3,49 (A15/W10-55) [1]
		3,52 (A20/W10-55) [1]
heating power	kW	2
total heating power (heat pump + electric heater)	kW	4
nominal power consumption	kW	0,453
surface of the spiral coil	m^2	1,0
maximum DHW temperature	°C	55
voltage and frequency	V / Hz	230 / 50
working temperature range	°C	+7 ÷ +35
tank volume	l	200
acoustic power level [4]	dB	56
air flow	m^3/h	512
air ducts' diameter	mm	200
air ducts' maximum length	m	10
dimensions (height x width x depth)	mm	1560 x 660 x 670
net weight	kg	115
ErP energy efficiency class	-	A+

* Details in the warranty card.
1 According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L.
2 In order to control the solar circuit it is necessary to purchase the PT1000 sensor (sensor for the CH boiler included).
3 Assuming the water intake profile - L (according to the ErP).
4 According to the EN 12102 norm.

AIR-SOURCE HEAT PUMP WATER HEATER FOR DHW - *spectra smart*

- Convenient control - color touch-screen controller with intuitive "tiled" menu.
- Savings - ECO mode ensures the most efficient heat pump operation.
- Comfort - TURBO mode provides express water heating.
- Convenience - active titanium anode operated by the heat pump's controller.
- Safety - HOLIDAY mode protects the heat pump during longer periods of inactivity.
- High COP value of 3,52 (A20/W10-55) and 3,49 (A15/W10-55), according to the newest standards.[1]
- Highest possible energy efficiency class A+.
- SQUARE Jacket Design® - modern, square shaped outer casing.
- The 200 l water tank secures the domestic hot water for 4-5 person family.
- Water is heated up to 55°C.
- Spiral coil can be used for connecting an additional energy source (i.e. solid-fuel boiler, solar panels, etc.).[2]
- Ability to set up the work schedule to both heat pump and circulation pump.
- Low power consumption – only 0,45 kWh.
- Longer service life of the tank thanks to the anti-corrosion DIELECTRIC PROTECTION®.
- The heat pump is equipped with a 2 kW electric heater, which is used during the increased demand for DHW.
- Drying and partial air conditioning of the room during device's operation.
- Annual savings of ~2600 kWh compared to traditional electric heater.[3]

Spectra Smart

ST-530 controller
with tiled menu

specification	unit	Spectra Smart 200 with 1 spiral coil
catalogue number	-	09-363100Q
COP	-	3,49 (A15/W10-55) [1]
		3,52 (A20/W10-55) [1]
heating power	kW	2
total heating power (heat pump + electric heater)	kW	4
nominal power consumption	kW	0,453
surface of the spiral coil	m^2	1,0
maximum DHW temperature	°C	55
voltage and frequency	V / Hz	230 / 50
working temperature range	°C	+7 ÷ +35
tank volume	l	200
acoustic power level [4]	dB	56
air flow	m^3/h	512
air ducts' diameter	mm	200
air ducts' maximum length	m	10
dimensions (height x width x depth)	mm	1560 x 660 x 670
net weight	kg	115
ErP energy efficiency class	-	A+

* Details in the warranty card.
1 According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L.
2 In order to control the solar circuit it is necessary to purchase the PT1000 sensor (sensor for the CH boiler included).
3 Assuming the water intake profile - L (according to the ErP).
4 According to the EN 12102 norm.

NEW GENERATION

AIR SOURCE HEAT PUMP WATER HEATER FOR DHW - *basic*

- Increased efficiency: larger amount of hot water with low average energy consumption of 1,85 kWh/day.
- COP value: 3,6 [1] according to the newest standards.
- Highest possible energy efficiency class A++. [2]
- Intelligent use of PV installations - self-consumption up to 100% (additional set temperature PV).
- Remote control of the heat pump, access via a web browser or mobile application. [3]
- Color touch-screen controller with new, intuitive menu and hybrid cooperation with an additional heat sources (gas boiler/heater).
- Heats the water up to 55°C (to 65°C with an additional heat source).
- Ability to count the amount of produced energy.
- Spiral coil can be used for connecting an additional energy source (i.e. solid-fuel boiler, solar panels, etc.).
- Ability to set up the work schedule to both heat pump and circulation pump.
- Outside air temperature sensor.
- Drying and partial air conditioning of the room during operation.

Basic

Ciekawostka

specification	unit	Basic 200 with 1 spiral coil
catalogue number	-	09-353102
COP	-	3,3 (A15/W10-55)[1]
		3,6 (A20/W10-55)[1]
heating power	kW	2
nominal power consumption	kW	0,47
surface of the spiral coil	m^2	1,0
maximum DHW temperature	°C	55
voltage and frequency	V / Hz	230 / 50
working temperature range	°C	+7 ÷ +45
tank volume	l	200
acoustic power level [4]	dB	56
air flow	m^3/h	435
air ducts' diameter	mm	160
air ducts' maximum length	m	10
dimensions (height x diameter)	mm	1500 x 670
net weight	kg	120
ErP energy efficiency class	-	A+

* Details in the warranty card.
1 According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L.
2 According to the Commission Delegated Regulation (EU) No. 812/2013, a heat pump for domestic hot water can now be labelled at most as A+ on the energy label, even if it meets the requirements of a higher energy class.
3 ???.
4 According to the EN 12102 norm.

AIR SOURCE HEAT PUMP WATER HEATER FOR DHW - *basic*

- COP value: now up to 3,49[1] according to the newest standards.
- High energy efficiency class - A+ (Basic 200).
- Heats the water up to 55°C.
- Touch-screen controller with the following functions: ECO, ANTILEGIONELLA, PARTY and the ability to work with an additional heat source (i.e. solid-fuel boiler, solar panels, etc.).[2]
- Ability to set up the work schedule to both heat pump and circulation pump.
- The heat pump is equipped with a 2 kW electric heater, which is used during the increased demand for DHW.
- Drying and partial air conditioning of the room during operation.
- Defrost system enabling operation in temperatures up to -7°C (Basic 300).
- Average energy consumption below 2 kWh per day (Basic 200).
- Longer service life of the tank thanks to the anti-corrosion DIELECTRIC PROTECTION®.

Basic

The heat pump is equipped with a water tank with a capacity of **200, 270 or 300 l** and with one or two coils for connecting additional heat sources (i.e. solar panels, CH boiler).[2]

specification	unit	Basic 200 with 1 spiral coil	Basic 270 with 1 spiral coil	Basic 270 with 2 spiral coils	Basic 300 with 1 spiral coil
catalogue number	-	09-353102	09-355101	09-355201	09-356100
COP	-	3,49 (A15/W10-55)[1] 3,76 (A20/W10-55)[1]	3,2 (A15/W15-45)[3]	3,2 (A15/W15-45)[3]	2,36 (A15/W10-55) [1] 2,69 (A20/W10-55) [1]
heating power	kW	2	2	2	2
nominal power consumption	kW	0,402	0,402	0,402	0,418
surface of the spiral coil	m^2	1,0	1,0	1,0 / 0,7	1,0
maximum DHW temperature	°C	55	55	55	55
voltage and frequency	V / Hz	230 / 50	230 / 50	230 / 50	230 / 50
working temperature range	°C	+7 ÷ +35	+7 ÷ +35	+7 ÷ +35	-7 ÷ +35
tank volume	l	200	270	270	300
acoustic power level [4]	dB	57	58	58	62
air flow	m^3/h	365	300	300	328
air ducts' diameter	mm	160	160	160	160
air ducts' maximum length	m	10	10	10	10
dimensions (height x diameter)	mm	1500 x 670	1730 x 670	1730 x 670	1900 x 670
net weight	kg	120	130	150	135
ErP energy efficiency class	-	A+	A	A	A

* Details in the warranty card.
1 According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L.
2 In order to control the solar circuit it is necessary to purchase the PT1000 sensor (sensor for the CH boiler included).
3 According to the PN-EN 255-3 norm; A - air temperature; W - heated water temperature range.
4 According to the EN 12102 norm.

NEW

AIR SOURCE HEAT PUMP FOR DHW *small*

- COP value: 3,75 (A15W35).[1]
- Heats the water up to 55°C.
- Can be connected to any indirect water heater operating within the system.
- Low energy consumption: 0,375 kW.
- Intelligent controller with the ability to control the solar system.[2]
- Ability to control the circulation pump of an additional energy source (i.e. solid-fuel boiler, solar panels).[2]
- Ability to set up the work schedule to both heat pump and circulation pump.
- Drying and partial air conditioning of the room during operation.
- Highest possible energy efficiency class - A.

Small

ST-53 controller

specification	unit	Small
catalogue number	-	09-240201
COP	-	3,75 (A15/W35) [1]
		2,64 (A20/W10-55) [3]
heating power	kW	2
nominal power consumption	kW	0,375
maximum DHW temperature	°C	55
voltage and frequency	V / Hz	230 / 50
working temperature range	°C	+7 ÷ +35
connections	cal	¾
maximum working pressure	MPa	0,3
acoustic power level [4]	dB	61
nominal air flow	m^3/h	261
air ducts' diameter	mm	200
air ducts' maximum length	m	10
dimensions (height x width x depth)	mm	460 x 660 x 670
net weight	kg	36
ErP energy efficiency class	-	A

* Details in the warranty card.
1 According to the EN 14511 norm; A - air temperature; W - heated water temperature range.
2 In order to control the solar circuit it is necessary to purchase the PT1000 sensor (sensor for the CH boiler included).
3 According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L
4 According to the EN 12102 norm.

GALMET'S COMPLETE HYBRID SYSTEMS

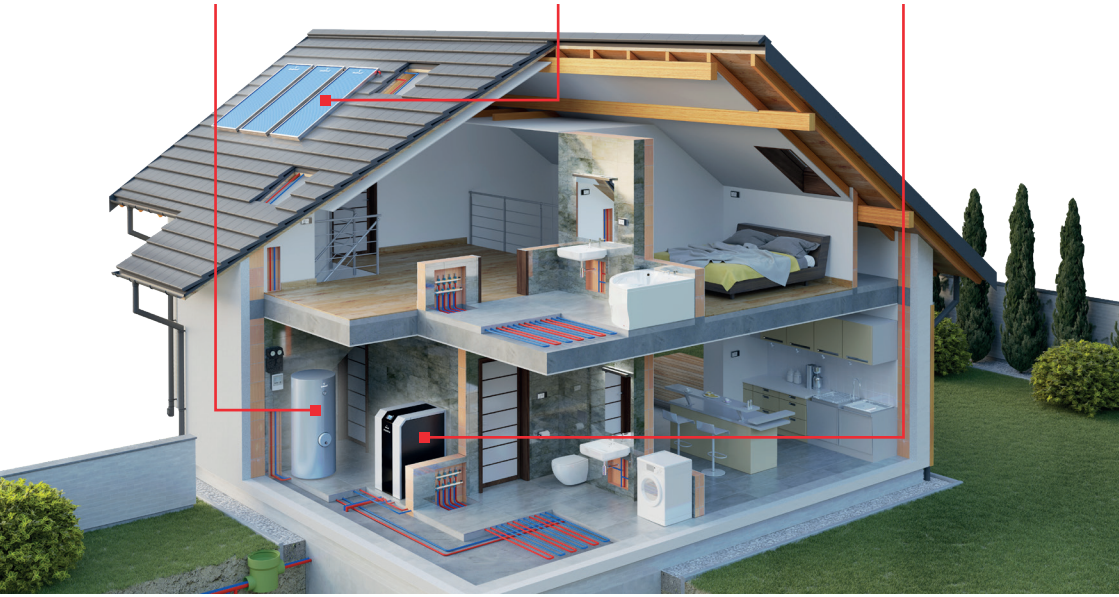
By purchasing all of the devices for you house's heating system from a single manufacturer, you can be sure that your investment will be optimally configured and tailored directly for your individual needs. Moreover, by doing so you get:

- Single controller for the whole system.
- Single manufacturer, installer and service.
- Discount price compared to buying the devices alone.
- Our advisors' help in selecting the right devices for your needs.
- Assistance in finding a local contractor.
- Hybrid systems that use renewable energy sources are eligible for subsidy.
- Better quality of the natural environment you live in.

Galmet water heater

Galmet solar collectors

Galmet heat pump



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Made in Poland

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AIR-WATER HEAT PUMP FOR CH AND DHW
airmax[2] 6-15 GT

- High COP value: up to 4,72 (A7W35).[1]
- Ability to obtain grants in Germany - included on the BAFA list.
- Working range up to -20°C.
- Weather system adjusts the heat pump's performance to the weather conditions.
- Reliable scroll compressor and an electronic expansion valve that maximizes performance.
- Evaporator with a hydrophobic layer.
- Ability to set up the work schedule to both the heat pump and the circulation pump.
- Quiet operation thanks to the modulating fans with aerodynamically optimized blades.
- Easy installation - no digging required.
- Optional equipment[2]:
  - Plate heat exchanger (glycol-water) for existing water installation.
  - Three-way valve for DHW functionality.
  - Soft Start module (quiet start-up of the compressor).

Airmax[2] 6-9 GT

Airmax[2] 12-15 GT

In standard with the device:

- Complete set of temperature sensors.
- Internet module for remote control of the device.
- Electronic circulation pump built into the device.
- Built-in 7 kW electric heater.
- Colour touch panel with thermostat function.

Convenient control of the heat pump via computer, tablet, or a smartphone connected to the internet.

specification	unit	Airmax[2] 6 GT	Airmax[2] 9 GT	Airmax[2] 12 GT	Airmax[2] 15 GT
catalogue number	-	09-260600	09-260900	09-261200	09-261500
heating power (A7W35)[1]	kW	6,17	8,11	11,00	13,93
electrical power (A7W35)[1]	kW	1,41	1,76	2,33	3,02
COP (A7W35)[1]	-	4,37	4,61	4,72	4,61
maximum temperature of the heating circuit	°C	57	57	57	57
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
acoustic power level [3]	dB	65,0	66,5	70,0	73,3
air flow	m³/h	3000	3500	5000	6000
dimensions (height x width x depth)	mm	730 x 1295 x 520	730 x 1295 x 520	1305 x 1295 x 520	1305 x 1295 x 520
weight	kg	110	115	140	145
ErP temperate climate (W35)	-	A+	A+	A++	A++
ErP temperate climate (W55)	-	A+	A+	A+	A+

* Details in the warranty card.
1 According to the EN 14511 norm; A - air temperature; W - heated water temperature range.
2 Not included in the base price.
3 According to the EN 12102 norm.

NEW

HIGH-TEMPERATURE AIR-WATER HEAT PUMP FOR CH AND DHW *airmax*² 16-30 GT

- High COP value: up to 4,70 (A7W35).[1]
- Ability to obtain grants in Germany - included on the BAFA list.
- Reliable Scroll compressor with EVI - supply temperature up to 60°C.
- Working range up to -20°C.
- Weather system adjusts the heat pump's performance to the weather conditions.
- Evaporator with a hydrophobic layer.
- Ability to set up the work schedule to both the heat pump and the circulation pump.
- Quiet operation thanks to the modulating fans with aerodynamically optimized blades.
- Easy installation - no digging required.
- Optional equipment[2]:
  - Plate heat exchanger (glycol-water) for existing water installation.
  - Three-way valve for DHW functionality.

Airmax² 16-30 GT

In standard with the device:

- Complete set of temperature sensors.
- Internet module for remote control of the device.
- Electronic circulation pump built into the device.
- Built-in 7 kW electric heater.
- Colour touch panel with thermostat function.

ecoTRONIC200-G controller

Convenient control of the heat pump via computer, tablet, or a smartphone connected to the internet.

specification	unit	Airmax² 16 GT	Airmax² 21 GT	Airmax² 26 GT	Airmax² 30 GT
catalogue number	-	09-261600	09-262100	09-262600	09-263000
heating power (A7W35)[1]	kW	15,55	20,98	26,01	29,82
electrical power (A7W35)[1]	kW	3,31	4,59	5,64	6,41
COP (A7W35)[1]	-	4,70	4,58	4,61	4,65
maximum temperature of the heating circuit	°C	60	60	60	60
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
acoustic power level [3]	dB	73,5	74,4	75,0	75,5
air flow	m³/h	8 000	10 000	10 000	12 000
dimensions (height x width x depth)	mm	1399 x 1477 x 700	1862 x 1690 x 700	1862 x 1690 x 700	1862 x 1690 x 700
weight	kg	200	205	265	270
ErP temperate climate (W35)	-	A++	A++	A++	A++
ErP temperate climate (W55)	-	A+	A+	A+	A+

* Details in the warranty card.
1 According to the EN 14511 norm; A - air temperature; W - heated water temperature range.
2 Not included in the base price.
3 According to the EN 12102 norm.

GROUND-WATER HEAT PUMP FOR CH AND DHW - *maxima* 7-16 GT

- High COP value: up tp 4,5 (B0W35).[1]
- First Polish ground-water heat pump with the European quality mark EHPA-Q.
- Ability to obtain grants in Germany - included on the BAFA list.
- Reliable Scroll compressor.
- Weather system adjusts the heat pump's performance to the weather conditions.
- Ability to set up the work schedule to both the heat pump and the circulation pump.
- Ability to control an additional heater, circulation pump, heating circuits.
- Electronic expansion valve that maximizes performance.
- Constant efficiency during the entire heating season.

Maxima 7-16 GT

In standard with the device:

- Complete set of temperature sensors.
- Internet module for remote control of the device.
- Electronic circulation pump built into the device.
- Three-way valve for DHW functionality built into the device.
- Soft Start module (quiet start-up of the compressor).
- Built-in 7 kW electric heater.
- Colour touch panel with thermostat function.

ecoTRONIC100-G controller

Convenient control of the heat pump via computer, tablet, or a smartphone connected to the internet.

specification	unit	Maxima 7 GT	Maxima 10 GT	Maxima 12 GT	Maxima 16 GT
catalogue number	-	09-160700	09-161000	09-161200	09-161600
heating power (B0W35)[1]	kW	7,25	9,85	12,50	16,57
electrical power (B0W35)[1]	kW	1,68	2,21	2,78	3,77
COP (B0W35)[1]	-	4,32	4,46	4,50	4,40
maximum temperature of the heating circuit	°C	60	60	60	60
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
acoustic power level [2]	dB	44,0	45,0	47,0	49,3
dimensions (height x width x depth)	mm	1060 x 590 x 720			
weight	kg	110	110	115	120
ErP temperate climate (W35)	-	A++	A+++	A+++	A+++
ErP temperate climate (W55)	-	A++	A++	A++	A++

* Details in the warranty card.
1 According to the EN 14511 norm; B - glycol temperature; W - heated water temperature range.
2 According to the EN 12102 norm.

HIGH-TEMPERATURE GROUND-WATER HEAT PUMP FOR CH AND DHW
maxima 20-42 GT

- High COP value: up tp 4,67 (B0W35).[1]
- High feed temperature of the heating circuit: up to 65°C.
- Ideal for buildings with increased demand for thermal energy.
- Ability to obtain grants in Germany - included on the BAFA list.
- Reliable Scroll compressor with EVI.
- Ability to heat rooms, domestic water and swimming pool water.
- Weather system adjusts the heat pump's performance to the weather conditions.
- Ability to set up the work schedule to both the heat pump and the circulation pump.
- Ability to control an additional heater, circulation pump, heating circuits.
- Electronic expansion valve that maximizes performance.
- Constant efficiency during the entire heating season.
- Optional equipment[2]:
  - Three-way valve for DHW functionality.

Maxima 20-42 GT

ecoTRONIC100-G controller

In standard with the device:

- Complete set of temperature sensors.
- Internet module for remote control of the device.
- Electronic circulation pumps supplied with the device.
- Soft Start module (quiet start-up of the compressor).
- Colour touch panel with thermostat function.

Convenient control of the heat pump via computer, tablet, or a smartphone connected to the internet.

specification	unit	Maxima 20 GT	Maxima 28 GT	Maxima 34 GT	Maxima 42 GT
catalogue number	-	09-162000	09-162800	09-163400	09-164200
heating power (B0W35)[1]	kW	19,60	28,10	32,85	41,30
electrical power (B0W35)[1]	kW	4,27	6,02	7,47	9,12
COP (B0W35)[1]	-	4,59	4,67	4,40	4,53
maximum temperature of the heating circuit	°C	65	65	65	65
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
acoustic power level [2]	dB	58,5	60,5	62,0	63,4
dimensions (height x width x depth)	mm	1105 x 730 x 925			
weight	kg	135	160	170	190
ErP temperate climate (W35)	-	A+++	A+++	A+++	A+++
ErP temperate climate (W55)	-	A++	A++	A++	A++

* Details in the warranty card.
1 According to the EN 14511 norm; B - glycol temperature; W - heated water temperature range.
2 According to the EN 12102 norm.