



HEAT PUMPS

EN - flyer 04/p/2018



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




Spectra



ST-530 controller

- ▶ 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
- ▶ Heat pump's controller communicates with the room controller.³
- ▶ 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.⁴

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 ⁵	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+

⁴ 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 The RP530 room controller is not included in the base price.

⁴ Assuming the water intake profile - L (according to the ErP).

⁵ According to the EN 12102 norm.



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




Spectra Smart



ST-530 controller with tiled menu

- ▶ 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
- ▶ Heat pump's controller communicates with the room controller.³
- ▶ 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.⁴

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 ⁵	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+

⁴ Details in the warranty card.

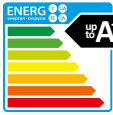
¹ According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L.

² In order to control the solar circuit it is necessary to purchase the PT1000 sensor (sensor for the CH boiler included).

³ The RP530 room controller is not included in the base price.

⁴ Assuming the water intake profile - L (according to the ErP).

⁵ According to the EN 12102 norm.



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

- ▶ COP value: now up to 3,49¹ according to the newest standards.
- ▶ Highest possible 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
- ▶ Heat pump's controller communicates with the room controller.³
- ▶ 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) ⁴	3,2 (A15/W15-45) ⁴	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 ⁵	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

⁴ 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 The RP530 room controller is not included in the base price.
⁴ According to the PN-EN 255-3 norm; A - air temperature; W - heated water temperature range.
⁵ According to the EN 12102 norm.



AIR-WATER HEAT PUMP FOR CH AND DHW *airmax²*



Airmax² 6-9 GT




Airmax² 12-15 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 equipment²:
 - Plate heat exchanger (glycol-water) for existing water installation.
 - Three-way valve for DHW functionality.
 - Soft Start module (quiet start-up of the compressor).

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	m ³ /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.

GALMET'S COMPLETE HYBRID SYSTEMS

By purchasing all of the devices for your 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:

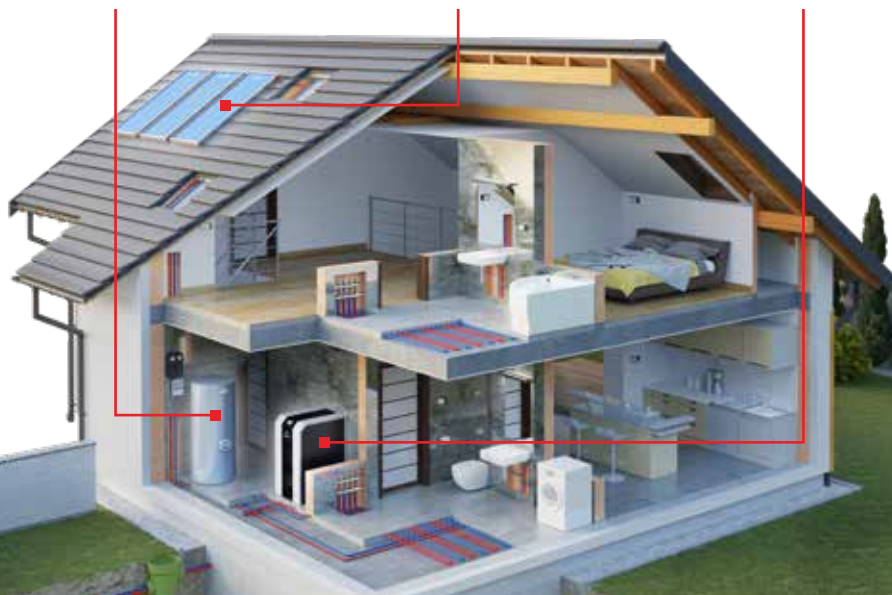
- ▶ Single controller for the whole system.
- ▶ Single manufacturer, installer and service.
- ▶ Discount price compared to buying the devices alone.
- ▶ Our advisors' help in selecting the right devices for your needs.
- ▶ Assistance in finding a local contractor.
- ▶ Hybrid systems that use renewable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




water heater


solar collectors

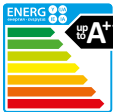

heat pump




Galmet
creating smart solutions

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HIGH-TEMPERATURE AIR-WATER HEAT PUMP FOR CH AND DHW

airmax² 16-30 GT

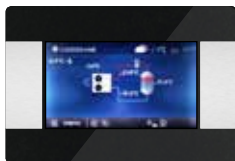


Airmax² 16-30 GT

- ▶ High COP value: up to 4,70 (A7W35)¹
- ▶ 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 equipment²:
 - Soft Start module (quiet start-up of the compressor).

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	Airmax ² 16 GT	Airmax ² 21 GT	Airmax ² 26 GT	Airmax ² 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	m ³ /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*

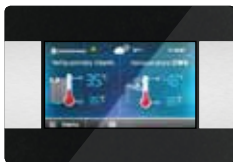
- ▶ High COP value: up to 4,5 (B0W35).¹
- ▶ First Polish ground-water heat pump with the European quality mark EHPA-Q.
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ Reliable Scroll compressor.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ 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

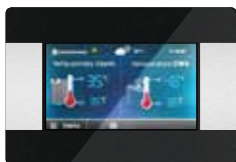


Maxima 20-42 GT

- ▶ High COP value: up to 4,67 (B0W35).¹
- ▶ High feed temperature of the heating circuit: up to 65°C.
- ▶ Ideal for buildings with increased demand for thermal energy.
- ▶ 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.

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.



ecoTRONIC100-G controller

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.



AIR SOURCE HEAT PUMP FOR DHW *small*



Small



ST-53.2 controller

- ▶ 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
- ▶ Heat pump's controller communicates with the room controller.³
- ▶ 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.

specification	unit	Small
catalogue number	-	09-240201
COP	-	3,75 (A15/W35) ¹ 2,64 (A20/W10-55) ⁴
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 ⁵	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 The RP530 room controller is not included in the base price.

⁴ According to the PN-EN 16147 norm; A - air temperature; W - heated water temperature range; water intake profile - L

⁵ According to the EN 12102 norm.