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 **HEAT
PUMPS**

EN - flyer 10/p/2017

 Made in Poland

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



Spectra



ST-530 controller with tiled menu (Spectra Smart)




ST-530 controller (Spectra)

Spectra Smart heat pumps

- ▶ 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.

In standard

- ▶ High COP value of 3,52 (A20/W10-55) and 3,49 (A15/W10-55), according to the newest standards.¹
- ▶ 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.
- ▶ Ability to set up the work schedule to both heat pump and circulation pump.
- ▶ Low power consumption – only 0,45 kWh.
- ▶ 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.
- ▶ Highest possible energy efficiency class - A.
- ▶ Annual savings of ~2600 kWh compared to traditional electric heater, assuming that the water consumption will amount to ~200 l/day.

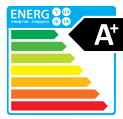
specification	unit	Spectra and Spectra Smart 200 l with one spiral coil
catalogue number	-	09-363100 / 09-363100Q
COP	-	3,49 (A15/W10-55) ¹ 3,52 (A20/W10-55) ¹
heating power	kW	2
nominal power consumption	kW	0,453
surface of the spiral coil	m ²	1,0
maximum DHW temperature	°C	55
voltage and frequency	V / Hz	230 / 50
working temperature range	°C	+7 ÷ +35
tank volume	l	200
acoustic power level ³	dB	58
air flow	m ³ /h	350
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	125
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 According to the EN 12102 norm.



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



Basic



ST-53.2 controller

- ▶ COP value: 3,49.¹
- ▶ Heats the water up to 55°C.
- ▶ Intelligent controller with the ability to control the solar system.²
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Touch-screen controller with the following modes: eco, antilegionella, party.
- ▶ The heat pump is equipped with a 2 kW electric heater.
- ▶ Drying and partial air conditioning of the room during operation.



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

specification	unit	Basic 200 l with one spiral coil	Basic 270 l with one spiral coil	Basic 270 l with two spiral coils
catalogue number	-	09-353101	09-355101	09-355201
COP	-	3,49 (A15/W10-55) ¹ 3,76 (A20/W10-55) ²	3,2 (A15/W15-45) ³	3,2 (A15/W15-45) ³
heating power	kW	2	2	2
nominal power consumption	kW	0,402	0,670	0,670
surface of the spiral coil	m ²	1,0	1,0	1,0 / 0,7
maximum DHW temperature	°C	55	55	55
voltage and frequency	V / Hz	230 / 50	230 / 50	230 / 50
working temperature range	°C	+7 ÷ +35	+7 ÷ +35	+7 ÷ +35
tank volume	l	200	270	270
acoustic power level ³	dB	57	58	58
air flow	m ³ /h	365	300	300
air ducts' diameter	mm	160	160	160
air ducts' maximum length	m	10	10	10
dimensions (height x diameter)	mm	1500 x 670	1730 x 670	1730 x 670
net weight	kg	125	165	185
ErP energy efficiency class	-	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.