

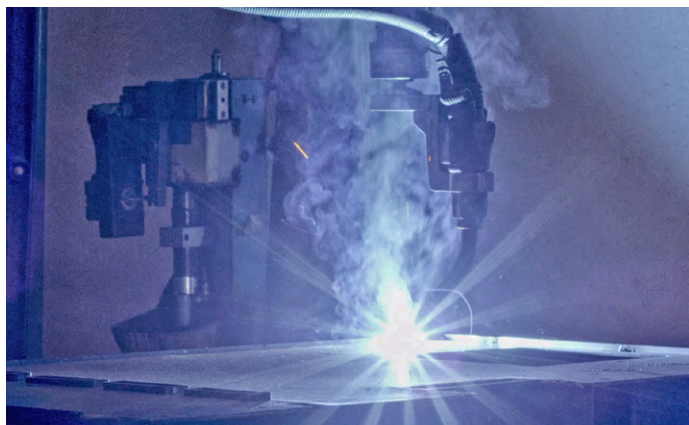


# *Heiztechnik*<sup>®</sup>

## CATALOGUE



**NEW!**  
**HEAT PUMPS**  
**CALLA**



Production Company **Heiztechnik** is a modern factory that produces boilers for burning solid fuels from **3,9 kW** do **7 MW** and complete container boiler rooms and other heating appliances. Production takes place in modern production facilities using high tech machinery; plasma and laser cutting machines for steel, numerically controlled press brakes and robotic welding stations. Manufactured products are characterized by very high energy efficiency, and simple, easy operation.

The design office continuously modernizes and prepares for production new heating devices.



The success of the company is the creation of a series of **GreenLine** boilers. Boilers fulfill environmental protection and energy efficiency requirements for the highest, **fifth class** and **ECO DESIGN**. These features are achieved by the specific construction of the heat exchanger and extended combustion chamber of **Heiztechnik** boilers. Produced boilers up to 300 kW are suitable for installation in closed systems. The combustion process is controlled by modern automation, which, in addition to professional control of the combustion process in the **HT Logic III** autoregulation system, can manage the entire heat distribution system. The company has been producing heat pumps since 2011. A series of very modern, inverter heat pumps **CALLA VERDE** with a power of 5 - 20 kW, works with the newest, ecological, **R452B** refrigerant. The use of **R452B** and modern components has resulted in heat pumps achieving very high **COP (7.3)** and **SCOP (4.55)** factors. We offer you modern heating devices with capacities from 3,9 kW to 7 MW. Products of the **Heiztechnik** company are probably the widest offer of boilers in Poland and are appreciated on foreign markets.



Targi Poznań: 2020, 2019, 2018, 2016



ISO 3834:2006  
Management  
System

www.tuv.com  
ID 9105085778



Targi Expo-Kielce 2015



2010, 2011, 2012, 2013,  
2014, 2015, 2016, 2018



2015, 2016, 2017, 2018, 2019



**2018 EKOLAURY**  
Polskiej Izby Ekologii



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## AUTOMATIC COAL BOILERS



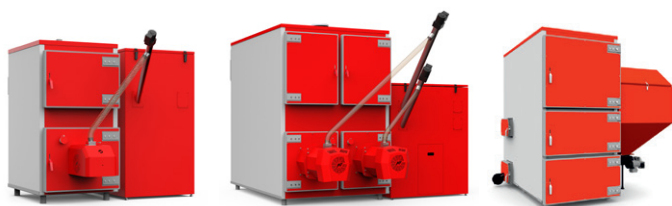
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## Pellet boilers



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Chute burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with an automatic cleaning system.



An exhaust fan that stabilizes the boiler and improves chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



The **HT-tronic 900 Touch** weather controller with a touch color display. It controls the operation of 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



The boiler is equipped with a **hydraulic system** consisting of: a DHW pump, a mixing valve pump, a mixing valve with an actuator, and a protection in the form of a diaphragm vessel and a safety valve.



The boiler is protected by a return protection pump with a return temperature sensor.



ONE 8

### fuel



**pellet** (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

### Unit configuration

NEW!



Available customization:  
boilers can be equipped with an upper tank increasing the fuel capacity

made in the **iPel**® technology - optimisation of the combustion process

Control	
HT-tronic® 900 Touch	BOILER CH DHW VALVE
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
Additional equipment / Execution option	
Extension extending the capacity of the fuel tank	
Chimney connections - 120 Ø str. 27	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

### Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection	Boiler mass	Tank volume	Tank volume with extension	Boiler width	Body depth	Body height	Body height with extension	Height to chimney mid
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	dm³	cm	cm	cm	cm	cm
8	2 - 8	10	85	26	3	GZ 1"	120	245	80	200	57,5	66	125	175	10
11	4 - 11	12	85	32	3	GZ 1"	120	251	80	200	57,5	66	125	175	10
15	5 - 15	14	85	41	3	GZ 1"	120	330	130	230	70	76	140	175	10
20	6 - 20	16	85	60	3	GZ 1"	120	340	130	230	70	76	140	175	10

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.



## Pellet boilers



5-year warranty on the tightness of the exchanger.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Compact design ensuring minimum boiler dimensions.



Chute burner with automatic cleaning, equipped with a igniter, photoelement, thermocouple.



A vertical tubular heat exchanger with a mechanical, manual cleaning system for the exchanger.



An exhaust fan that stabilizes the boiler and improves chimney draft.



Turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



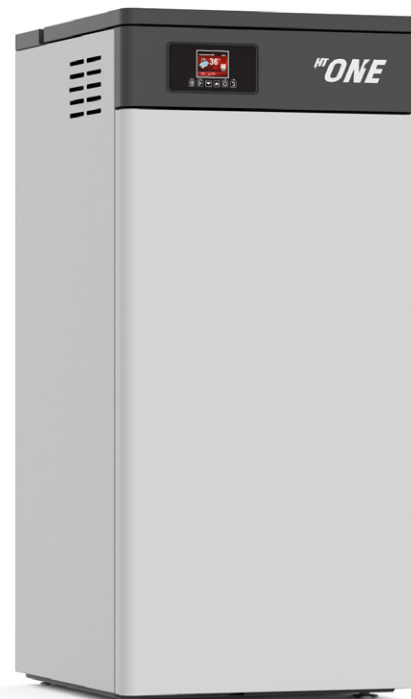
Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



The boiler is protected by a return protection pump with a return temperature sensor.



ONE BASIC 8

### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

### Unit configuration

NEW!



Available customization: boilers can be equipped with an upper tank increasing the fuel capacity

made in the **iPel**® technology - optimisation of the combustion process

Control	
HT-tronic® 900	► BOILER ► CH ► HDW ► VALVE ►
HT-tronic OPS Lambda	Combustion process optimizer with Lambda probe - basic equipment
Expanding modules for automation	
HT-tronic M-Z2	Valve module ► VALVE ► VALVE ►
HT-tronic M-BC	Module of buffer and circulation ► BUFFER ► CIRC
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
Additional equipment / Execution option	
Extension extending the capacity of the fuel tank	
Chimney connections - 120 Ø str. 27	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

### Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection	Boiler mass	Tank volume	Tank volume with extension	Boiler width	Body depth	Body height	Body height with extension	Height to chimney mid
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	dm³	cm	cm	cm	cm	cm
8	2 - 8	10	85	26	3	GZ 1"	120	225	80	200	57,5	66	125	175	10
11	4 - 11	12	85	32	3	GZ 1"	120	231	80	200	57,5	66	125	175	10
15	5 - 15	14	85	41	3	GZ 1"	120	314	130	230	70	76	140	175	10
20	6 - 20	16	85	60	3	GZ 1"	120	324	130	230	70	76	140	175	10

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# HT DasPell LuxGL

12 - 20 kW

A<sup>+</sup>

5<sup>th</sup> class  
PN EN 303 6 2012

ECO design  
Rozp. UE 2015/1189

## Pellet boilers



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The **HT-tronic 900 Touch** weather controller with a touch color display. It controls the operation of 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. It has an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.

**iPell**® - optimisation of the combustion process - **HT-tronic OPS Lambda** - option



HT DasPell LuxGL 20

### Unit configuration

Standard unit configuration:

burner and tank on the right side of the boiler

Available customization:

burner and tank on the left side of the boiler, enlarged tank 400 l

### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

Burner	
Palnik PellHard Plus	
Control	
HT-tronic® 900 Touch	BOILER CH HDW VALVE
Expanding modules for automation	
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
HT-tronic OPS Lambda	Combustion process optimizer <b>iPell</b> with Lambda probe
Additional equipment / Execution option	
Additional fuel feed unit from the silo - pneumatic or spiral	
Enlarged tank Lux 400	
Burner of the left side of the boiler	
Cooling coil	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Boiler width	Tank volume	Volume of the enlarged tank	Tank width	Width of the enlarged tank	Body depth with flue gas exhaust	Body height	Power spigot height	Height to chimney mid. *	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm	cm	cm	dm³	dm³	cm	cm	cm	cm	cm
12	4 - 12	12	85	73	2	GZ 1 ½	150	359	47	60	114	190	400	72	151	129	111	35
15	5 - 15	15	85	88	2	GZ 1 ½	150	362	47	60	114	190	400	72	151	129	111	35
20	6 - 20	18	85	88	2	GZ 1 ½	150	397	47	60	114	190	400	77	151	129	111	35

\* - Does not apply to boilers with the exit of the exhaust gases up through the flue

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# HT DasPell BOX GL

12 - 20 kW

A<sup>+</sup>

5<sup>th</sup> class  
PN EN 303 5 2012

ECO design  
Rozp. UE 2015/1189

## Pellet boilers



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889, Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.

**iPell®** - optimisation of the combustion process - **HT-tronic OPS Lambda** - option



HT DasPell BOX GL 20

### Unit configuration

Standard execution:

burner and tank on the right side of the boiler

Available customization:

burner and tank on the left side of the boiler, enlarged tank

### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

Burner	
Palnik PellHard Plus	
Control	
HT-tronic® 900	BOILER CH HDW VALVE        - basic equipment
HT-tronic® 900 Touch	BOILER CH HDW VALVE        - option
Expanding modules for automation	
HT-tronic M-Z2	Valve module VALVE VALVE
HT-tronic M-BC	Module of buffer and circulation BUFFER CIRC
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
HT-tronic OPS Lambda	Combustion process optimizer <b>iPell</b> with Lambda probe
Additional equipment / Execution option	
Additional fuel feed unit from the silo - pneumatic or spiral	
Enlarged tank - universal BIG 400, BIG 600	
Exit of the exhaust gases up through the flue	
Burner of the left side of the boiler	
Cooling coil	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Boiler width	Tank volume	Tank width	Body depth with flue gas exhaust	Body height	Power spigot height	Height to chimney mid. *	Return spigot height	Body depth with exhaust gases up through the flue	Height to the flue (gas exhaust up through the flue)
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm	dm³	cm	cm	cm	cm	cm	cm	cm	cm
12	4 - 12	12	85	73	2	GZ 1 ½	150	351	47	190	60	64	143	129	111	35	77	125
15	5 - 15	15	85	88	2	GZ 1 ½	150	354	47	190	60	64	143	129	111	35	77	125
20	6 - 20	18	85	88	2	GZ 1 ½	150	385	47	190	60	69	143	129	11	35	82	125

\* - Does not apply to boilers with the exit of the exhaust gases up through the flue

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# HT DasPell GL

12 - 60 kW

A<sup>+</sup>

5<sup>th</sup> class  
PN EN 303 5 2012

ECO design  
Rozp. UE 2015/1189

## Pellet boilers



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.

**iPell**® - optimisation of the combustion process - HT-tronic OPS Lambda  
- option



HT DasPell GL 20

### Unit configuration

Standard unit configuration:

burner at front of the boiler, tank on the right side of boiler

Available customization:

enlarged tank, tank of the left side of the boiler

### Fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

### Burner

Palnik PellHard Plus

### Control

HT-tronic® 900

BOILER CH HDW VALVE

- basic equipment

HT-tronic® 900 Touch

BOILER CH HDW VALVE

- option

### Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic TPP

Room thermostat with a weekly program (Wired)

HT-tronic TPBP

Room thermostat with weekly program (Wireless)

HT-tronic Connect

Internet Module

HT-tronic OPS Lambda

Combustion process optimizer iPell with Lambda probe

### Additional equipment / Execution option

Additional fuel feed unit from the silo - pneumatic or spiral

Enlarged tank - universal BIG 400, BIG 600, BIG 1000

Exit of the exhaust gases up through the flue

The automatic ash removal system

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Boiler width	Tank volume (burner at front)	Tank width (burner at front)	Body depth with flue gas exhaust	Body height	Power spigot height	Hight to chimney mid.*	Return spigot height	Body depth with gas exhaust up through the flue	Hight to the flue (gas exhaust up through the flue)	Hight to the flue (gas exhaust up through the flue)
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm	dm³	cm	cm	cm	cm	cm	cm	cm	cm	cm
12	4 - 12	15	85	73	2	GZ 1 ½	150	352	47	300	60	64	32	143	129	111	35	77	125
15	5 - 15	15	85	73	2	GZ 1 ½	150	355	47	300	60	64	32	143	129	111	35	77	125
20	5 - 20	18	85	88	2	GZ 1 ½	150	376	47	300	60	69	32	143	129	111	35	82	125
25	8 - 25	18	85	94	2	GZ 1 ½	150	398	47	300	60	76	32	143	129	111	35	89	125
30	9 - 30	20	85	103	2	GZ 1 ½	150	479	54	300	60	83	38	143	129	111	35	95	125
37	11 - 37	22	85	118	2	GZ 1 ½	150	530	54	300	60	93	38	143	129	111	35	105	125
50	15 - 50	23	85	145	2	GZ 1 ½	200	697	69	400	114	95	46	143	129	111	35	111	125
60	18 - 60	25	85	155	2	GZ 2	200	756	69	400	114	105	46	143	129	111	35	121	125

\*- Does not apply to boilers with the exit of the exhaust gases up through the flue

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# Q Pellet GL

12 - 30 kW

A<sup>+</sup>

5<sup>th</sup> class  
PN EN 303 6 2012

ECO design  
Rozp. UE 2015/1189

## Pellet boilers



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.

**iPell**® - optimisation of the combustion process - **HT-tronic OPS Lambda** - option



Q Pellet GL 20

### Unit configuration

Standard unit configuration:

burner at front of the boiler, tank on the right side of boiler

Available customization:

universal doors R/L, universal tank R/L

### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

### Burner

Palnik PellHard Plus

### Control

HT-tronic® 900



### Expanding modules for automation

HT-tronic M-Z2

Valve module VALVE VALVE

HT-tronic M-BC

Module of buffer and circulation BUFFER CIRC

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic TPP

Room thermostat with a weekly program (Wired)

HT-tronic TPBP

Room thermostat with weekly program (Wireless)

HT-tronic Connect

Internet Module

HT-tronic OPS Lambda

Combustion process optimizer iPell with Lambda probe

### Additional equipment / Execution option

Additional fuel feed unit from the silo - pneumatic or spiral

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Boiler width	Tank volume	Tank width	Body depth with flue gas exhaust	Body height	Power spigot height	Height to chimney mid. *	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm	dm³	cm	cm	cm	cm	cm	cm
12	4 - 12	15	85	73	2	GZ 1 ½	150	334	47	300	60	64	143	129	111	35
15	5 - 15	15	85	73	2	GZ 1 ½	150	339	47	300	60	64	143	129	111	35
20	5 - 20	18	85	88	2	GZ 1 ½	150	360	47	300	60	69	143	129	111	35
25	8 - 25	18	85	94	2	GZ 1 ½	150	390	47	300	60	76	143	129	111	35
30	9 - 30	20	85	103	2	GZ 1 ½	150	463	54	300	60	83	143	129	111	35



## Automatic boiler for eco pea coal



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder 15 - 24 kW.  
Cast iron burner - standard 12 kW



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



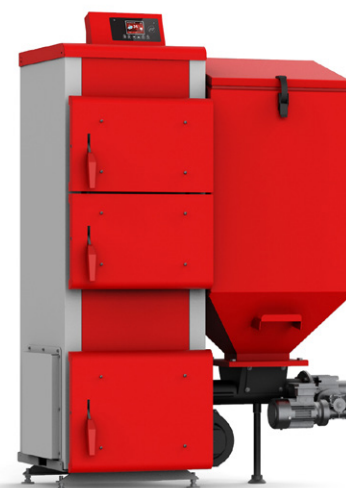
The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Q Eko 24

## Unit configuration

Standard unit configuration:

burner and tank on the right side of the boiler

Available customization:

burner and tank on the left side of the boiler

## fuel



**Eco-pea coal**

type 32.1, granulation 5-25 mm

## Burner

Cast iron burner - standard (12 kW)

Cast iron burner - rotary (15 - 24 kW)

## Control

HT-Tronic® 700



- basic equipment

HT-Tronic® 700 Touch



- option

## Expanding modules for automation

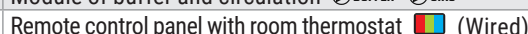
HT-tronic M-Z2



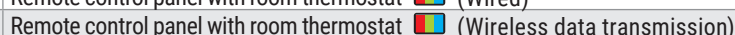
HT-tronic M-BC



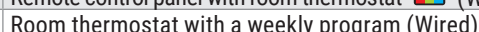
HT-tronic Rooms



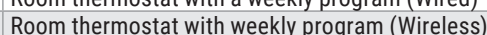
HT-tronic Rooms Wireless



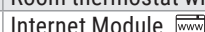
HT-tronic TPP



HT-tronic TPBP



HT-tronic Connect



HT-tronic OPS Eko Lambda



## Additional equipment / Execution option

Enlarged tank for boilers with power 15 - 24 kW

The automatic ash removal system

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Volume of the enlarged tank	Width of the set	Boiler width	Tank width	Width of the enlarged tank 300	Width of the enlarged tank 500	Body depth with flue gas exhaust	Body height	Power spigot height*	Height to chimney mid.*	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	dm³	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
12	4 - 12	18	85	48	2	GZ 1 ½	115	270	165	-	103	47	46	-	-	63	130	124	101	24
15	5 - 15	19	85	77	2	GZ 1 ½	150	435	225	300	113	55	59	52	83	70	142	136	118	38
20	6 - 20	20	85	91	2	GZ 1 ½	150	475	225	300	113	55	59	52	83	80	142	136	118	38
24	8 - 24	22	85	106	2	GZ 1 ½	150	505	225	300	113	55	59	52	83	90	142	136	118	38



# Q Eko GL

15 - 69 kW



**5<sup>th</sup> class**  
PN EN 303 5 2012

**ECO design**  
Rozp. UE 2015/1189

## Automatic boiler for eco pea coal



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



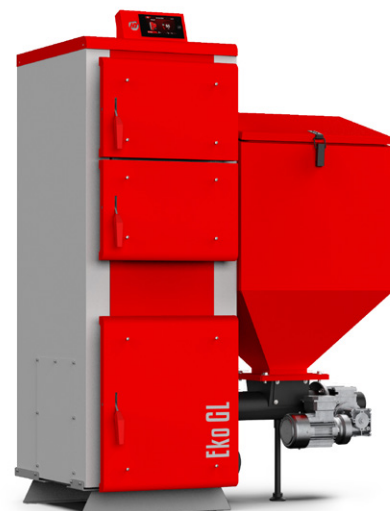
The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



Q Eko GL 30

### Unit configuration

Standard unit configuration:

burner and tank on the right side of the boiler

Available customization:

burner and tank on the left side of the boiler

### Fuel



**Eco-pea coal**

type 32.1, granulation 5-25 mm

### Burner

Cast iron burner - rotary

### Control

HT-Tronic® 700



- basic equipment

HT-Tronic® 700 Touch



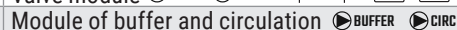
- option

### Expanding modules for automation

HT-tronic M-Z2



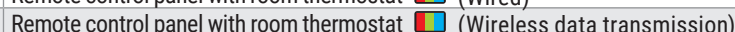
HT-tronic M-BC



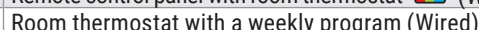
HT-tronic Rooms



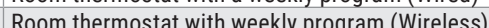
HT-tronic Rooms Wireless



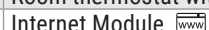
HT-tronic TPP



HT-tronic TPBP



HT-tronic Connect



HT-tronic OPS Eko Lambda



### Additional equipment / Execution option

Enlarged tank for boilers with power 15 - 50 kW

Exit of the exhaust gases up through the flue

The automatic ash removal system

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Volume of the enlarged tank	Boiler width	Tank width	Width of the enlarged tank 300	Width of the enlarged tank 500	Body depth with flue gas exhaust	Body height	Power spigot height	Hight to chimney mid. *	Return spigot height	Body depth with gas exhaust up through the flue	Hight to the flue (gas exhaust up through the flue)	
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	dm³	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
15	5 - 15	15	85	90	2	GZ 1 ½	150	488	225	300	500	54	59	52	83	76	154	150	131	37	86	145
20	6 - 20	20	85	104	2	GZ 1 ½	150	531	225	300	500	54	59	52	83	86	154	150	131	37	96	145
24	8 - 24	20	85	104	2	GZ 1 ½	150	579	225	300	500	54	59	52	83	96	154	150	131	37	106	145
30	9 - 30	23	85	140	2	GZ 1 ½	150	648	300	500	70	52	-	83	86	154	150	131	37	95	145	
40	12 - 40	26	85	150	2	GZ 1 ½	150	683	300	500	70	52	-	83	90	154	150	131	37	100	145	
50	15 - 50	30	85	160	2	GZ 1 ½	200	794	700	500	70	52	-	83	92	182	171	152	60	107	167	
60	18 - 60	34	85	170	2	GZ 2	200	931	775	-	70	87	-	-	102	182	171	152	60	116	167	
69	21 - 69	36	85	180	2	GZ 2	200	997	775	-	70	87	-	-	112	182	171	152	60	126	167	

\*- Does not apply to boilers with the exit of the exhaust gases up through the flue

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.



### Automatic boiler for eco pea coal



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder 15 - 24 kW.  
Cast iron burner - standard 12 kW



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



HT Eko 24

### Unit configuration

Standard unit configuration:  
burner and tank on the right side of the boiler  
Available customization:  
burner and tank on the left side of the boiler

### fuel



**Eco-pea coal**  
type 32.1, granulation 5-25 mm

### Burner

Cast iron burner - standard (12 kW)

Cast iron burner - rotary (15 - 24 kW)

### Control

HT-Tronic® 700

BOILER CH HDW VALVE - basic equipment

HT-Tronic® 700 Touch

BOILER CH HDW VALVE - option

### Expanding modules for automation

HT-tronic M-Z2

Valve module

HT-tronic M-BC

Module of buffer and circulation

HT-tronic Rooms

Remote control panel with room thermostat (Wired)

HT-tronic Rooms Wireless

Remote control panel with room thermostat (Wireless data transmission)

HT-tronic TPP

Room thermostat with a weekly program (Wired)

HT-tronic TPBP

Room thermostat with weekly program (Wireless)

HT-tronic Connect

Internet Module

HT-tronic OPS Eko Lambda

Combustion process optimizer with Eko Lambda probe

### Additional equipment / Execution option

The automatic ash removal system

Cooling coil

HT SepMag

Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

### Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Width of the set	Boiler width	Tank width	Body depth with flue gas exhaust	Body height	Power spigot height**	Height to chimney mid.	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	cm	cm	cm	cm	cm	cm	cm	cm
12	4 - 12	18	85	48	2	GZ 1 ½	115	300	165	103	47	46	63	140	124	101	24
15	5 - 15	19	85	77	2	GZ 1 ½	150	480	255	113	55	59	76	151	136	118	38
20	6 - 20	20	85	91	2	GZ 1 ½	150	578	255	113	55	59	86	151	136	118	38
24	8 - 24	22	85	106	2	GZ 1 ½	150	584	255	113	55	59	96	151	136	118	38

# HT Eko GL

15 - 40 kW



**5<sup>th</sup> class**  
PN EN 303 5 2012

**ECO design**  
Rozp. UE 2015/1189

## Automatic boiler for eco pea coal



5-year warranty on the tightness of the exchanger, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception



Cast iron burner - retort with an integrated fuel feeder



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The boiler is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 700** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



HT Eko GL 30

### Unit configuration

Standard unit configuration:  
burner and tank on the right side of the boiler  
Available customization:  
burner and tank on the left side of the boiler

### fuel



**Eco-pea coal**  
type 32.1, granulation 5-25 mm

Burner	
Cast iron burner - rotary	
Control	
HT-Tronic® 700	
HT-Tronic® 700 Touch	
Expanding modules for automation	
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
HT-tronic OPS Eko Lambda	Combustion process optimizer with Eko Lambda probe
Additional equipment / Execution option	
Exit of the exhaust gases up through the flue	
The automatic ash removal system	
Cooling coil	
HT SepMag	Dirt separator with magnetizer -1". Expenditure 2.8 m³/h for a pressure drop of 6 kPa

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Boiler width	Tank width	Body depth with flue gas exhaust	Body height	Power spigot height*	Height to chimney mid.	Return spigot height	Body depth with gas exhaust up through the flue	Height to the flue (gas exhaust up through the flue)
kW	kW	Pa	°C	L	Bar	"	mm	kg	dm³	cm	cm	cm	cm	cm	cm	cm	cm	cm
15	5 - 15	15	85	90	2	GZ 1 ½	150	515	250	54	59	76	163	150	131	37	86	145
20	6 - 20	20	85	104	2	GZ 1 ½	150	558	250	54	59	86	163	150	131	37	96	145
24	8 - 24	20	85	104	2	GZ 1 ½	150	599	250	54	59	96	163	150	131	37	106	145
30	9 - 30	22	85	140	2	GZ 1 ½	150	685	300	70	53	86	163	150	131	37	95	145
40	12 - 40	23	85	150	2	GZ 1 ½	150	718	300	70	53	90	163	150	131	37	100	145

\*- Does not apply to boilers with the exit of the exhaust gases up through the flue



## Characteristics of the CALLA VERDE M heat pump unit with internal modules:

- The pump is equipped with a modern Copeland Scroll™ inverter compressor with variable speed and high modulation of heating power.
- Large, color touch screen.
- Operation via the Internet.
- The entire heating system can be controlled.
- Optimal weather control.
- Cooperation with photovoltaic system.
- Wide operating temperature range.
- The electronic water circuit pump is continuously adjustable.
- Magnetic dirt separator.
- Electric heater with 3, 6, 9 kW operating grades.
- Heating water flow meter.
- Central Heating safety group.
- Very high COP values.
- Very quiet operation through the use of a large modern EC fan.
- Heat recovery from the inverter.
- Lower part of the evaporator heated with refrigerant - prevents the drip tray from freezing.
- Full diagnostics in automation of individual heat pump components.
- Possibility to work at a very low heating water temperature.
- Modern design.
- Internal unit made of galvanized steel, powder coated housing.
- External unit made of aluminum, powder coated housing.
- The operating parameters of the heat pump are confirmed by a certified European institute.**



	Basic	Style	Comfort	Comfort II
Automation	•	•	•	•
Color touch screen	•	•	•	•
Operation via the Internet	•	•	•	•
Control of the entire heating system	•	•	•	•
Optimal weather control	•	•	•	•
Electronic CH / DHW circuit pump, continuously adjustable from automation system	•	•	•	•
Additional CH circuit with mixing valve				•
Magnetic dirt separator		•	•	•
Electric heater with 3, 6, 9 kW operating grades		•	•	•
Flow meter	•	•	•	•
Central Heating safety group		•	•	•
Domestic hot water tank			•	•
CH / DHW switch valve			•	•
Hydraulic system assembled in a compact housing			•	•
Wall-mounted design	•	•		
Floor standing design			•	•
Heating water pressure gauge			•	•
Heater contactors		•	•	•
Hydraulic connections at the top			•	•
Hydraulic connections at the bottom		•		
Extended hydraulic module - two heating circuits				•
DHW tank capacity for 5 - 9 kW			250 L	250 L
DHW tank capacity for 12 - 20 kW			275 L	275 L
Internal unit dimensions (H x W x Th)	450 x 315 x 132	770 x 557 x 332	250L - 1535 x 695 x 858 275L - 1770 x 695 x 858	250L - 1535 x 695 x 900 275L - 1770 x 695 x 900
Weight	8.2 kg	40 kg	250 L - 195 kg 275 L - 255 kg	250 L - 205 kg 275 L - 265 kg

DHW tank capacity: 5-9kW pump - 250l, 12-20kW pump - 275l

Calla Verde M	5	7	9	12	14	16	18	20
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Heating power [kW]	5	7	9	12	14	16	18	20
Dimensions of external unit (W x H x Th) [mm]	1120 x 860 x 485	1120 x 860 x 485	1360 x 860 x 560	1360 x 860 x 560	1350 x 1505 x 585	1350 x 1505 x 585	1350 x 1505 x 585	1350 x 1505 x 585
Height of the ext. unit stand [mm]	400	400	400	400	-	-	-	-
Weight [kg]	129	129	148	148	210	212	212	212
Refrigerant	R452B	R452B	R452B	R452B	R452B	R452B	R452B	R452B
Refrigerant quantity [kg]	2.5	2.5	2.5	2.7	5.6	5.85	5.85	5.85
Global Warming Potential [GWP]	676	676	676	676	676	676	676	676
CO <sub>2</sub> equivalent [t]	1.69	1.69	1.69	1.82	3.79	3.95	3.95	3.95
Maximum current [A]	15	15	15	3 x 12	3 x 12	3 x 12	3 x 12	3 x 12
Supply voltage	230V 50Hz	230V 50Hz	230V 50Hz	3 x 400V 50 Hz	3 x 400V 50 Hz	3 x 400V 50 Hz	3 x 400V 50 Hz	3 x 400V 50 Hz

COP								
A-7/W35 <sup>1</sup>	2,75	2,67	2,57	2,68	2,84	2,87	2,75	2,70
A2/W35 <sup>1</sup>	4,12	4,19	4,22	4,16	4,37	4,39	4,37	4,30
A7/W35 <sup>1</sup>	5,40	5,51	5,86	5,76	6,20	6,24	6,34	6,40
A12/W35 <sup>1</sup>	6,12	6,21	6,46	6,65	7,32	7,14	7,19	7,24
A-7/W55 <sup>1</sup>	1,78	1,74	1,89	2,06	2,24	2,03	2,16	2,11
A2/W55 <sup>1</sup>	3,15	3,17	3,16	3,17	3,37	3,43	3,40	3,38
A7/W55 <sup>1</sup>	4,27	4,30	4,37	4,85	4,96	5,05	4,94	4,91
A12/W55 <sup>1</sup>	5,53	5,59	5,63	6,10	6,25	5,90	5,94	5,96

SCOP for 35 °C (underfloor heating) moderate climate (A) <sup>3</sup>	4.16	4.19	4.27	4.25	4.53	4.55	4.52	4.48
Efficiency [%]	163.2	164.4	167.8	167.3	178.3	179.1	177.6	176.3
Class	A++	A++	A++	A++	A+++	A+++	A+++	A+++
PDESIGN [kW]	5.17	5.62	6.86	8.17	10.04	12.64	13.65	14.45
TBIVALENT [°C]	-7	-7	-7	-7	-7	-7	-7	-7

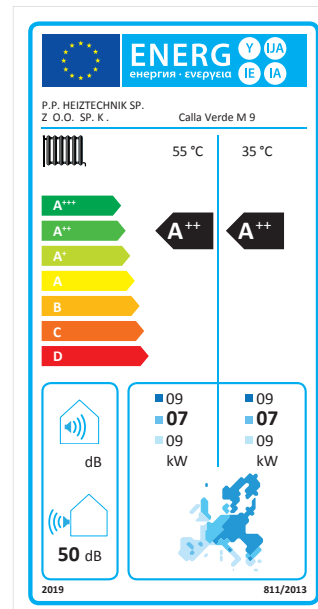
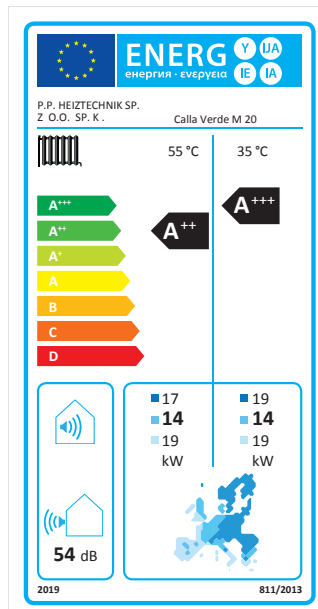
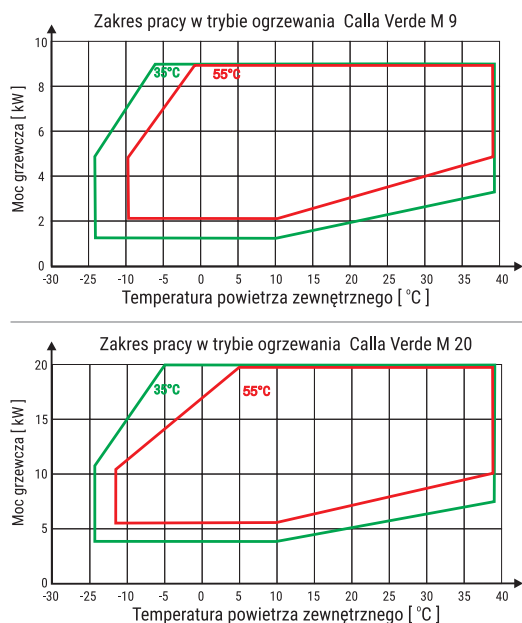
SCOP for 55 °C (underfloor heating) moderate climate (A) <sup>3</sup>	3.15	3.15	3.22	3.38	3.57	3.54	3.54	3.52
Efficiency [%]	122.9	123.1	125.6	132.3	139.8	138.7	138.7	137.6
Class	A+	A+	A++	A++	A++	A++	A++	A++
PDESIGN [kW]	5.10	5.54	6.9	8.33	9.84	12.60	13.57	14.39
TBIVALENT [°C]	-7	-7	-7	-7	-7	-7	-7	-7

Sound power level LWA <sup>4</sup>								
Normal operation dB(A)	56	56	50	52	53	54	54	54
Night-time reduction dB(A)	55	55	49	51	52	53	53	53

<sup>1</sup> For nominal loads according to PN-EN 14511

<sup>2</sup> SCOP according to 14825:2019

<sup>3</sup> According to PN-EN 12102-1



# CALLA VERDE Basic

## CALLA VERDE M monoblock heat pump with hanging automation module - Basic

The pump is designed for **heating and cooling of** confined spaces and production of DWH in an external tank. The compressor and refrigeration system are located in the external unit.

The internal unit contains an automation system that controls the heat pump and hydraulic system.

*The scope of delivery includes: room temperature sensor and a 3/4" differential discharge valve (to be installed by the installer).*



CALLA VERDE M  
(5 - 12 kW)



CALLA VERDE M ON A STAND - OPTION  
(5 - 12 kW)



CALLA VERDE M  
(14 - 20 kW)



Copeland Scroll™ inverter compressor operating in wide power modulation



Refrigerant R452B with low GWP



Color touch display



Cooperation with photovoltaic system



Efficient operation at -25°C



Up to 65°C of heating water can be obtained



Ability to work at low heating water temperatures

### CALLA VERDE M with hanging automation module Basic

Model	Index
CALLA VERDE M 5 + Basic	CVM050B10
CALLA VERDE M 7 + Basic	CVM070B10
CALLA VERDE M 9 + Basic	CVM090B10
CALLA VERDE M 12 + Basic	CVM120B10
CALLA VERDE M 14 + Basic	CVM140B10
CALLA VERDE M 16 + Basic	CVM160B10
CALLA VERDE M 18 + Basic	CVM180B10
CALLA VERDE M 20 + Basic	CVM200B10

### Accessories

	Index
Freeze protection valve	CVA201
NTC external temperature sensor	CVA301
KTY external temperature sensor	CVA302
Internal temperature sensor	CVA303
DHW temperature sensor (5 linear meters)	CVA304
KTY81 clip-on sensor	CVA310
External unit stand 5 - 7 kW	CVA102
External unit stand 9 - 12 kW	CVA101
1' 230V CH/DHW switching valve	CVA202
DN 25 NC zone valve (up to 12 kW)	CVA203
DN 32 NC zone valve (up to 20 kW)	CVA204
Automatic inlet valve 0.3 - 4 bar 1/2" with pressure gauge	CVA205
Silicone heating cable - 2 linear meters	CVA306
Silicone heating cable - 4 linear meters	CVA308
Silicone heating cable - 6 linear meters	CVA309



## CALLA VERDE M monoblock heat pump with hanging hydrobox - Style










The pump is designed for **heating and cooling of** confined spaces and production of DWH in an external tank. The compressor and refrigeration system are located in the external unit.

The internal unit contains an automation system that controls the pump and hydraulic system.

The hydraulic part includes: electronic circulation pump, heating water flow meter, heater contactors, 3-9 kW heater set, magnetic dirt separator, CH safety group (3bar safety valve, 12L diaphragm vessel, CH pressure gauge).

*The scope of delivery includes: room temperature sensor and a 3/4" differential discharge valve (to be installed by the installer).*



-  Copeland Scroll™ inverter compressor operating in wide power modulation
-  Refrigerant R452B with low GWP
-  Color touch display
-  Cooperation with photovoltaic system
-  Efficient operation at -25°C
-  Up to 65°C of heating water can be obtained
-  Ability to work at low heating water temperatures
-  Heater 3 - 6 - 9 kW with automatic power gradation
-  Magnetic dirt separator



CALLA VERDE M  
(5 - 12 kW)



CALLA VERDE M ON A STAND - OPTION  
(5 - 12 kW)



CALLA VERDE M  
(14 - 20 kW)

### CALLA VERDE M with hanging hydrobox Style

Model	Index
CALLA VERDE M 5 + Style	CVM050S11
CALLA VERDE M 7 + Style	CVM070S11
CALLA VERDE M 9 + Style	CVM090S11
CALLA VERDE M 12 + Style	CVM120S12
CALLA VERDE M 14 + Style	CVM140S12
CALLA VERDE M 16 + Style	CVM160S12
CALLA VERDE M 18 + Style	CVM180S12
CALLA VERDE M 20 + Style	CVM200S12

### Accessories

	Index
Freeze protection valve	CVA201
NTC external temperature sensor	CVA301
KTY external temperature sensor	CVA302
Internal temperature sensor	CVA303
DHW temperature sensor (5 linear meters)	CVA304
KTY81 clip-on sensor	CVA310
External unit stand 5 - 7 kW	CVA102
External unit stand 9 - 12 kW	CVA101
1" 230V CH/DHW switching valve	CVA202
DN 25 NC zone valve (up to 12 kW)	CVA203
DN 32 NC zone valve (up to 20 kW)	CVA204
Silicone heating cable - 2 linear meters	CVA306
Silicone heating cable - 4 linear meters	CVA308
Silicone heating cable - 6 linear meters	CVA309



## CALLA VERDE M monoblock heat pump - Comfort

The pump is designed for **heating and cooling of** confined spaces and production of DWH in an integrated tank. The compressor and refrigeration system are located in the external unit. The internal unit contains an automation system that controls the pump and hydraulic system.

The hydraulic part includes: 1 direct CH circuit, 1 DHW circuit with 250/275L tank, electronic circulation pump, CH/DHW switching valve, heating water flow meter, heater contactors, 3-9 kW heater set, magnetic dirt separator, CH safety group (3bar safety valve, 12L diaphragm vessel, CH pressure gauge).

*The scope of delivery includes: room temperature sensor and a 3/4" differential discharge valve (to be installed by the installer).*



Copeland Scroll™ inverter compressor operating in wide power modulation



Refrigerant R452B with low GWP



Color touch display



Cooperation with photovoltaic system



Efficient operation at -25°C



Up to 65°C of heating water can be obtained



Ability to work at low heating water temperatures



Heater 3 - 6 - 9 kW with automatic power gradation



Magnetic dirt separator



DHW tank



# CALLA VERDE Comfort II



## CALLA VERDE M monoblock heat pump - Comfort II

The pump is designed for **heating and cooling of** confined spaces and production of DWH in an integrated tank. The compressor and refrigeration system are located in the external unit. The internal unit contains an automation system that controls the pump and hydraulic system.

The hydraulic part includes: 1 direct CH circuit, 1 circuit with mixing valve, 1 DHW circuit with 250/275L tank, electronic circulation pump, CH/DHW switching valve, heating water flow meter, heater contactors, 3-9 kW heater set, magnetic dirt separator, CH safety group (3bar safety valve, 12L diaphragm vessel, CH pressure gauge).

*The scope of delivery includes: room temperature sensor and a 3/4" differential discharge valve (to be installed by the installer).*



Copeland Scroll™ inverter compressor operating in wide power modulation



Refrigerant R452B with low GWP



Color touch display



Cooperation with photovoltaic system



Efficient operation at -25°C



Up to 65°C of heating water can be obtained



Ability to work at low heating water temperatures



Heater 3 - 6 - 9 kW with automatic power gradation



Magnetic dirt separator



DHW tank

# MAXPel GL

80 - 450 kW

A<sup>+</sup>

5<sup>th</sup> class  
PN EN 303 5 2012

ECO design  
Rozp. UE 2015/1189

## Pellet boilers

gwarancja  
2 lata

2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.

>90 %

High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception.



**PellHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



Boiler with power up to 300 kW is adapted for operation in closed system, in accordance with current regulations.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



The **HT-tronic 900 Touch** weather controller with a touch color display. It controls the operation of 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. It has an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.



## MAXPel GL 150

with pneumatic cleaning system for heat exchanger and automatic ash removal system

### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

**iPel**® - optimisation of the combustion process - HT-tronic OPS Lambda  
- option

Control																
HT-tronic® 900	BOILER	CH	HDW	VALVE	FLAME	TEMP	PH	CO	NO	CO2	NO2	NOx	SOx	PM	PM10	PM2.5
HT-tronic® 900 Touch	BOILER	CH	HDW	VALVE	FLAME	TEMP	PH	CO	NO	CO2	NO2	NOx	SOx	PM	PM10	PM2.5
Expanding modules for automation																
HT-tronic M-Z2	Valve module	VALVE	VALVE	FLAME	TEMP	PH	CO	NO	CO2	NO2	NOx	SOx	PM	PM10	PM2.5	
HT-tronic M-BC	Module of buffer and circulation	BUFFER	CIRC													
HT-tronic Rooms	Remote control panel with room thermostat															
HT-tronic Rooms Wireless	Remote control panel with room thermostat															
HT-tronic TPP	Room thermostat with a weekly program															
HT-tronic TPBP	Room thermostat with weekly program															
HT-tronic Connect	Internet Module	WWW														
Cascade automation																
HT-tronic OPS Lambda	Combustion process optimizer iPel															
Additional equipment / Execution option																
Boilers with a capacity of 300 - 370 kW can be equipped with two burners with automation																
Enlarged or atypical tank																
A common tank for handling two boilers																
Additional fuel feed unit																
The automatic ash removal system																
Pneumatic system for exchanger cleaning																
Pneumatic system for burner cleaning																
Cooling coil for 80 - 300 kW																
Extraction fan with controller																
Pellet silos																

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Tank width	Body depth with flue gas exhaust	Body height	Body height - transport	Height of the ash removal module *	Height to chimney mid	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	m <sup>3</sup>	cm	cm	cm	cm	cm	cm	cm
80	24 - 80	27	85	250	2	GZ 2	200	1165	1	84	125	161	175	35	136	30,5
100	30 - 100	29	85	370	2	GZ 2 ½	200	1385	1	84	150	161	175	35	136	30,5
120	36 - 120	32	85	490	2	GZ 2 ½	200	1576	1	84	175	161	175	35	136	30,5
150	45 - 150	33	85	610	2	GZ 3	250	2326	1	108	191	192	206	35	164	35
200	60 - 200	34	85	920	2	GZ 3	300	2686	1	108	221	192	206	35	164	35
240	72 - 240	36	85	1040	2	GZ 3	300	3048	1	108	232	209	223	35	178	35
300	90 - 300	38	85	1300	2	GZ 3	300	3665	1	147	225	216	230	35	186	35
370	111 - 370	40	85	1570	2	Dn100	350	3945	1	147	240	216	230	35	186	35
450	135 - 450	42	85	1730	2	Dn100	400	4132	1	147	255	216	230	35	186	35

\* dimensions of boilers equipped with an ash removal system - catalog card [www.heiztechnik.pl](http://www.heiztechnik.pl)

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.



# MAXPel

550 - 1000 kW

## Pellet boilers



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception.



**PelHard PLUS** burner with a slag scraper activated cyclically from the controller, V-type floor, Omega-type air curtain, igniter, sensors and an internal fuel feeder. Patent Office of the Republic of Poland: Ru.069889 Ru.069890, Ru.069891.



Boiler equipped with two burners with a slag scraper and automation.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.

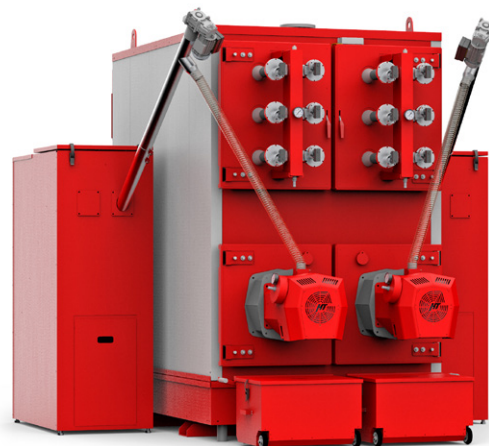


Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic III**.



Autoregulation **HT-Logic III** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which **reduces the amount of fuel consumed**.

**iPel**® - optimisation of the combustion process - HT-tronic OPS Lambda  
- option



### MAXPel GL 150

with pneumatic cleaning system for heat exchanger and automatic ash removal system

#### fuel



pellet (6 - 8 mm) A1 class according to: EN 14961-2:2011 or DIN Plus

Control																	
HT-tronic® 900	BOILER	CH	HDW	VALVE	FLAME	TEMP	PRESS	DIFF	WATER	WIND	RAIN	TEMP	WIND	RAIN	TEMP	WIND	RAIN
HT-tronic® 900 Touch	BOILER	CH	HDW	VALVE	FLAME	TEMP	PRESS	DIFF	WATER	WIND	RAIN	TEMP	WIND	RAIN	TEMP	WIND	RAIN
Expanding modules for automation																	
HT-tronic M-Z2	Valve module	VALVE	VALVE	FLAME	TEMP	PRESS	DIFF	WATER	WIND	RAIN	TEMP	WIND	RAIN	TEMP	WIND	RAIN	TEMP
HT-tronic M-BC	Module of buffer and circulation	BUFFER	CIRC														
HT-tronic Rooms	Remote control panel with room thermostat																
HT-tronic Rooms Wireless	Remote control panel with room thermostat																
HT-tronic TPP	Room thermostat with a weekly program																
HT-tronic TPBP	Room thermostat with weekly program																
HT-tronic Connect	Internet Module	WWW															
Cascade automation																	
HT-tronic OPS Lambda	Combustion process optimizer iPel																
Additional equipment / Execution option																	
Enlarged or atypical tank																	
A common tank for handling two boilers																	
Additional fuel feed unit																	
The automatic ash removal system																	
Pneumatic system for exchanger cleaning																	
Pneumatic system for burner cleaning																	
Extraction fan with controller																	
Pellet silos																	

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Tank volume	Tank width	Body depth with flue gas exhaust	Body height	Body height - transport	Height of the ash removal module *	Height to chimney mid	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	m <sup>3</sup>	cm	cm	cm	cm	cm	cm	cm
550	165 - 550	27	85	2130	2	Dn100	400	4578	1 + 1	147	285	216	230	35	186	35
630	189 - 630	28	85	2600	2	Dn100	400	5006	1 + 1	147	325	216	230	35	186	35
750	- Information available on request															
850	- Information available on request															
1000	- Information available on request															

\* dimensions of boilers equipped with an ash removal system - catalog card [www.heiztechnik.pl](http://www.heiztechnik.pl)

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# Q MAX EKO GL

80 - 480 kW



## Automatic boiler for eco pea coal



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception.



Cast iron burner (for boilers up to 300 kW) with integrated fuel feeder. Boilers with power from 200 to 480 kW are equipped with two burners.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Boiler with power up to 300 kW is adapted for operation in closed system, in accordance with current regulations.



Weather control **HT-tronic 750** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



### Q MAX EKO GL 120

with pneumatic cleaning system for heat exchanger and automatic ash removal system

#### fuel



**Eco-pea coal**  
type 32.1, granulation 5-25 mm

#### Control

HT-Tronic® 750

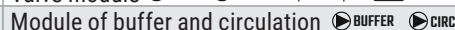


#### Expanding modules for automation

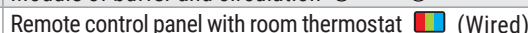
HT-tronic M-Z2



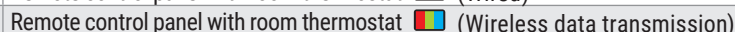
HT-tronic M-BC



HT-tronic Rooms



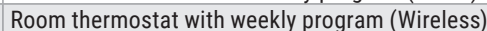
HT-tronic Rooms Wireless



HT-tronic TPP



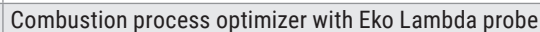
HT-tronic TPBP



HT-tronic Connect



HT-tronic OPS Eko Lambda



#### Additional equipment / Execution option

Enlarged tank

Automatic system for fuel loading

The automatic ash removal system

Pneumatic system for exchanger cleaning

Cooling coil for boilers up to 300 kW

Extraction fan with controller

#### Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Number of feeders	Tank volume	Width of the set	Boiler width	Tank width	Body depth with flue gas exhaust	Body height	Body height - transport	Height of the ash removal module *	Height to chimney mid	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	szt	m <sup>3</sup>	cm <sup>3</sup>	cm	cm	cm	cm	cm	cm	cm	cm
80	24 - 80	26	85	640	2	GZ 2 ½	200	1465	1	0,8	174	83	87	145	192	206	22	164	35
100	30 - 100	26	85	680	2	GZ 2 ½	200	1650	1	0,8	174	83	87	170	192	206	22	164	35
120	36 - 120	26	85	720	2	GZ 2 ½	200	1900	1	0,8	174	83	87	198	192	206	22	164	35
150	45 - 150	26	85	920	2	GZ 3	250	2200	1	0,8	174	83	87	238	192	206	22	164	35
200	60 - 200	28	85	1200	2	GZ 3	300	2700	2	0,8+0,8	216	103	102	238	214	228	22	183	35
240	72 - 240	26	85	1400	2	GZ 3	300	3100	2	0,8+0,8	216	103	102	268	214	228	22	183	35
300	90 - 300	26	85	1600	2	GZ 3	300	3350	2	0,8+0,8	216	103	102	288	214	228	22	183	35
350	105 - 350	26	85	1900	2	Dn100	350	4500	2	0,8+0,8	250	147	102	282	229	243	22	198	35
400	120 - 400	28	85	2150	2	Dn100	400	4900	2	0,8+0,8	250	147	102	302	229	243	22	198	35
480	144 - 480	29	85	2600	2	Dn100	400	5850	2	0,8+0,8	250	147	102	342	239	243	22	208	35

\* dimensions of boilers equipped with an ash removal system - catalog card [www.heiztechnik.pl](http://www.heiztechnik.pl)

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# Q MAX EKO

520 - 1000 kW

Automatic boiler for eco pea coal



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency >90% thanks to autoregulation of the combustion process and effective heat reception.



Cast iron burner with integrated fuel feeder.



The boiler equipped with two burners and automation.



Horizontal tubular heat exchanger made in the form of a separate heating column with high heat exchange efficiency, with turbulators supporting heat exchange.



Weather control **HT-tronic 750** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module. Equipped with an autoregulation the **HT-Logic II**.



Autoregulation **HT-Logic II** is programmed to the power of the device, automatically selects the operating parameters and modulates the power of the burner depending on the temperature of the boiler, which reduces the amount of fuel consumed.



## Q MAX EKO 520

with pneumatic cleaning system for heat exchanger and automatic ash removal system

### fuel



### Eco-pea coal

type 32.1, granulation 5-25 mm

Control	
HT-Tronic® 750	BOILER CH HDW VALVE
Expanding modules for automation	
HT-tronic M-Z2	Valve module
HT-tronic M-BC	Module of buffer and circulation
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
HT-tronic OPS Eko Lambda	Combustion process optimizer with Eko Lambda probe
Additional equipment / Execution option	
Enlarged tank	
Automatic system for fuel loading	
The automatic ash removal system	
Pneumatic system for exchanger cleaning	
Extraction fan with controller	

## Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	Number of feeders	Tank volume	Width of the set	Boiler width	Tank width	Body depth with flue gas exhaust	Body height	Body height - transport	Height of the ash removal module *	Height to chimney mid	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	szt	m <sup>3</sup>	m <sup>3</sup>	cm	cm	cm	cm	cm	cm	cm	cm
520	150 - 520	26	85	2150	2	Dn100	400	5070	2	0,8+0,8	259	147	102	295	217	231	22	186	35
600	180 - 600	27	85	2600	2	Dn100	400	5850	2	0,8+0,8	259	147	102	345	217	231	22	186	35
750	- Information available on request																		
850	- Information available on request																		
1000	- Information available on request																		

\* dimensions of boilers equipped with an ash removal system - catalog card [www.heiztechnik.pl](http://www.heiztechnik.pl)

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

In order to improve the product, **Heiztechnik** reserves the law to change specifications and equipment. The above prospectus does not constitute an offer within the meaning of commercial law.

# MaxPell ZB GL

60 - 120 kW



## Automatic woodchips combustion kit



Three-pass horizontal heat exchanger with turbulators



2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



Automatic burner for **biomass** combustion with a slag scraper, equipped with a lighter and an igniter fuel feeder.



Weather control **HT-tronic 900** with color display. It controls work 4 pumps and a mixing valve.



Combustion process optimizer **HT tronic OPS Lambda**



The boiler is adapted for operation in closed system, in accordance with current regulations.



### MaxPell ZB GL 120 kW

with pneumatic cleaning system for heat exchanger, burner and automatic ash removal system

**fuel**



**Woodchips**

#### Burner

Burner with automatic slag scraper - basic equipment

Pneumatic system for burner cleaning - optional execution

#### Control

HT-tronic® 900

HT-tronic OPS Lambda Combustion process optimizer with Lambda probe

#### Expanding modules for automation

HT-tronic M-Z2 Valve module

HT-tronic M-BC Module of buffer and circulation

HT-tronic TPP Room thermostat with a weekly program (Wired)

HT-tronic TPBP Room thermostat with weekly program (Wireless)

HT-tronic Connect Internet Module

#### Additional equipment / Execution option

Additional fuel feed unit

Spring selector

The automatic ash removal system

Pneumatic system for exchanger cleaning

Pneumatic system for burner cleaning

Cooling coil

Enlarged tank or extension

### Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection (inner diameter)	Boiler mass	*Tank volume	Boiler width	Body depth	Body height	Height of the ash removal module *	Height to chimney mid	Return spigot height
kW	kW	Pa	°C	L	Bar	"	mm	kg	m <sup>3</sup>	cm	cm	cm	cm	cm	cm
60	20 - 60	32	85	155	2	GZ 2	200	510	1	69	104	140	-	108	32
90	27 - 90	33	85	250	2	GZ 2	200	886	1	84	125	149	35	122	30,5
120	36 - 120	35	85	490	2	GZ 2 ½	200	1352	1	84	175	149	35	122	30,5

\* dimensions of boilers equipped with an ash removal system - catalog card [www.heiztechnik.pl](http://www.heiztechnik.pl)

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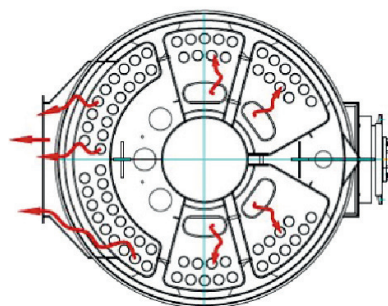
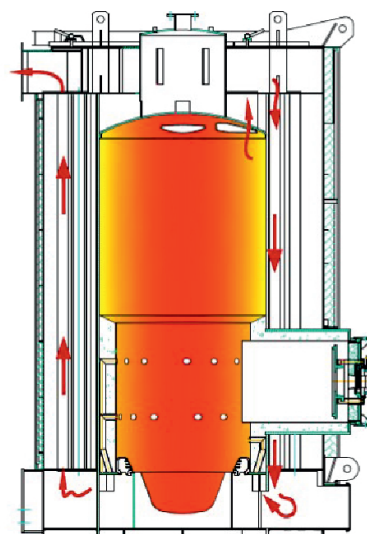
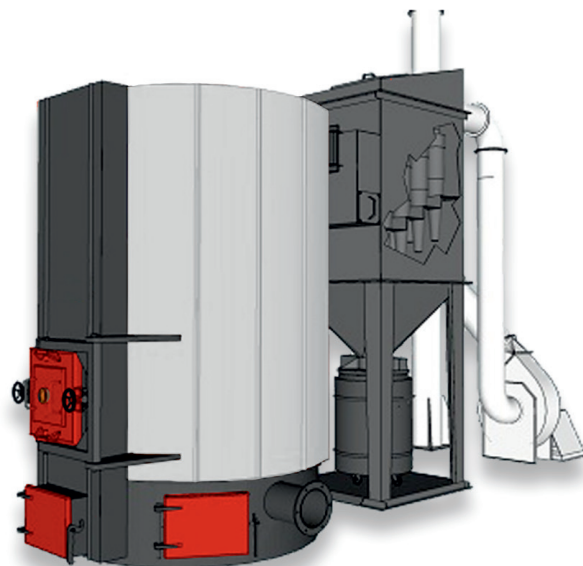
# HT MegaBio by Ventil

**580 kW - 7 MW**

Vertical three-pass boilers for automatic burning of woodchips.

## Vertical three-pass boilers for automatic burning of woodchips.

- The **HT MegaBio** boiler is a result of cooperation in the production of boilers for woodchips burning by **Heiztechnik** and **Ventil**.
- The boiler is equipped with a cylindrical, made from an incombustible concrete combustion chamber. The chamber has a three-point controlled air blower divided into primary air and two secondary air streams with the possibility of automatic adjustment in connection with the lambda probe.
- The combustion chamber made of refractory concrete enables the combustion of fuels with high humidity.
- Three-pass exhaust gas circulation allowed to obtain a large heating surface of the boiler, which resulted in achieving high efficiency of heat exchange.
- The large water capacity ensures a very stable water temperature and a high level of thermal safety of the entire system.
- Construction of **HT Mega Bio** boilers, prevents deposition dust on the heating surface of the exchanger, which is significant for burning biomass.
- The boiler is controlled by a central control panel that collects information from sensors, fuel supply system, combustion system, and boiler water.
- The regulation system is available through all kinds of mobile devices and the Internet network.



primary fuel



Woodchips

alternative fuel



Pellet

## Basic dimensions and specifications

Type	Rated power	Height	Diameter	Boiler room - min. height	Surface of heat exchanger	Boiler mass	Water capacity	Maximum water temperature	Average thermal efficiency
	kW	cm	cm	m	m <sup>2</sup>	kg	L	°C	%
HT MBV 580	580	293	205	5	24	4 200	2 000	109	85 - 90
HT MBV 750	870	321	210	5	35	4 600	3 100	109	85 - 90
HT MBV 1000	1160	377	232	5,5	52	4 730	4 550	109	85 - 90
HT MBV 1250	1450	382	240	5,5	65	7 900	5 200	109	85 - 90
HT MBV 1500	1750	396	244	6	79	5 200	5 600	109	85 - 90
HT MBV 2000	2320	396	258	6	112	10 800	6 900	109	85 - 90
HT MBV 3000	3480	481	311	7	174	13 000	9 400	109	85 - 90
HT MBV 4000	4640	511	340	8	230	29 500	13 000	109	85 - 90
HT MBV 5000	5800	560	370	8	314	34 500	18 000	109	85 - 90

HT MBV 6500 - Information available on request

HT MBV 7000 - Information available on request

The dimensions given may vary from actual dimensions to 2%. Other detailed dimensions are available on the website.

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# Q PLUS AGRO / Q PLUS AGRO B

110 kW

150 - 500 kW

Boilers designed for burning straw in cube bales and round bales with automatic control and a fan.

**gwarancja 2 lata** 2-year warranty for the tightness of the exchanger with the possibility of extending up to 5 years, in accordance with the conditions contained in the warranty card.



High thermal efficiency thanks to autoregulation of the combustion process and effective heat reception.



Horizontal tubular **HEIZTECHNIK** heat exchanger with high heat exchange efficiency.



Modulated fan operation, increases boiler efficiency and reduces the amount of fuel consumed.



Turbulators supporting heat exchange. (option)



Boiler with power up to 300 kW is adapted for operation in closed system, in accordance with current regulations.



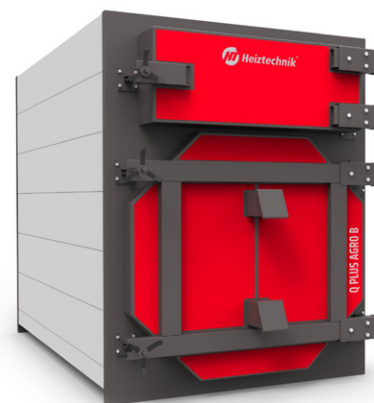
Weather control **HT-tronic 251** with color display. It controls work 4 pumps and a mixing valve. Works with a remote control panel, thermostats and an internet module.



Automation controls the work of the buffer. This improves the combustion process and allows the accumulation of thermal energy.



Q PLUS AGRO 110 kW



Q PLUS AGRO B 150 kW

fuel



Straw in cube bales  
Q PLUS AGRO



Straw in round bales  
Q PLUS AGRO B

## Control

HT-Tronic® 251



## Expanding modules for automation

HT-tronic M-Z2

Valve module

HT-tronic TPP

Room thermostat with a weekly program (Wired)

HT-tronic TPBP

Room thermostat with weekly program (Wireless)

HT-tronic Connect

Internet Module

## Additional equipment / Execution option

Cooling coil

## Q PLUS AGRO - Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection	Boiler mass	Furnace capacity	Boiler width	Body depth with flue gas exhaust	Body height	Height to chimney mid	Return spigot height	Width of furnace	Height of furnace	Depth of furnace	Height of loading opening
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm <sup>3</sup>	cm	cm	cm	cm	cm	cm	cm	cm	cm
110	50 - 110	30	85	610	2	GZ 2 ½	250	1850	1150	110	212	180	154	35	90	98	167	51

## Q PLUS AGRO B - Basic dimensions and specifications

Rated power	Power range	Min. chimney draft	Max. work temperature	Water capacity	Maximum operating pressure	Installation connection	Chimney connection	Boiler mass	Boiler width	Body depth with flue gas exhaust	Body height	Height to mid. of the chimney..	Depth of furnace	Diam. of furnace
kW	kW	Pa	°C	L	Bar	"	mm	kg	cm	cm	cm	cm	cm	cm
150	50 - 150	28	85	1300	2	GZ 3	350	2200	183	216	226	201	150	148
300	100 - 300	30	85	2200	2	GZ 3	350	3500	183	357	226	201	290	148
400	120 - 400	- Information available on request												
500	150 - 500	- Information available on request												

## Feeders for pellet boilers: pneumatic and spiral - for boilers up to 100 kW

### PNEUMATIC KIT I (two-pipe system)



#### Set contains:

- central unit
- internal nozzle
- antistatic pipe dn 50 - 2 pcs. x 10m
- clamps 4 pcs

### PNEUMATIC KIT II (one-pipe system)



#### Set contains:

- Central unit
- case for the tank with the mechanism
- metering, antistatic pipe dn 50 - 1 pc x 15m
- clamps 2 pcs

### PNEUMATIC KIT III (one-pipe system)



#### Set contains:

- central unit, „spider” (crawling collector from a flat floor)
- antistatic pipe dn 50 - 1 pc x 15m
- clamps 4 pcs

#### Additional elements

Dust separator (recommended for one-pipe systems)

Suction cup with a container for a container

Antistatic pipe dn50 - 1m

Telescopic base for the dispenser

Bridged base for the dispenser

Air flow regulator (recommended for single pipe systems)

Fuel tank (steel): width 120cm / depth 120cm / height 150cm - capacity - 1.5m³

### SPIRAL SET



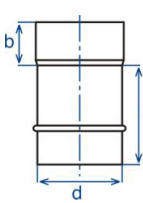

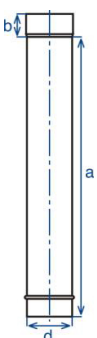
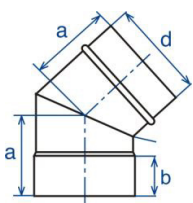
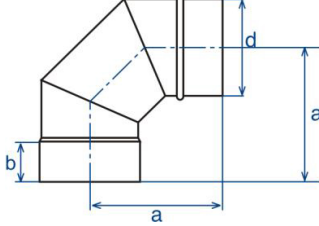
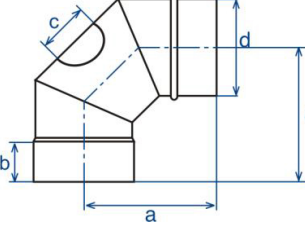
HT-tronic Feeder

#### Set contains:

- feeder pipe
- feeding spiral
- gearmotor
- automation with fuel level sensors
- HT-tronic Feeder

## PRZYŁĄCZA KOMINOWE DO KOTŁÓW ONE

Single-walled chimney connections made of 1.4404 steel, 0.8 mm thick and diameter - 120 mm, with silicone gaskets, intended for the chimney connection of ONE boilers.

Straight pipe 0,25m	Straight pipe 0,5m	Straight pipe 1m	45° Degree Elbow (2 Piece)	90° Degree Elbow (3 Piece)	90° Degree Elbow with a cleanout (3 Piece)																																				
																																									
<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>200</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	200	b	50	<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>450</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	450	b	50	<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>950</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	950	b	50	<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>115</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	115	b	50	<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>200</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	200	b	50	<table><tr><td>d</td><td>120</td></tr><tr><td>a</td><td>200</td></tr><tr><td>b</td><td>50</td></tr></table>	d	120	a	200	b	50
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## Possible configurations of the pellets boilers

We present a wide range of ecological pellet boilers. Depending on needs, it is possible to select a boiler and fit it into a suitable tank. Boilers tank can be equipped with an additional unit supplying fuel from silo or warehouse.



BASIC 300



SLIM 100



BASIC 300



Universal BIG 400



Universal BIG 600



BIG 1000



Burner in front  
of the tank on the right



Burner in front,  
burner on the left



Burner on the right



Burner on the left



Boiler with  
the SLIM tank



Burner in front  
of the tank on the right



Boiler with the  
BIG 400 tank



Boiler with  
the BIG 600 tank



Boiler with  
the BIG 1000 tank



### Pellet boilers tanks

Standard equipment	Width	Depth	Height	Height with the open tank cover	Volume dm <sup>3</sup>
Standard - burner in front of boiler 12 - 37 kW	600	600	1400	1840	300
Standard - burner in front of boiler 50 - 60 kW	1140	730	1400	1950	400
Standard - burner on side of boiler 12 - 40 kW	600	600	1400	1840	185
Standard - burner on side of boiler 45 - 60 kW	1140	730	1400	1950	400
<b>Optional tanks</b>					
BASIC 300	600	600	1400	-	300
SLIM 100	200	600	1400	1580	100
Lux 400	1140	730	1400	1950	400
BIG 400 - Universal	1140	730	1400	1950	400
BIG 600 - Universal	1140	730	1650	2200	600
BIG 1000 - burner at front of the boiler	1200	1200	1500	2100	1000
MAX 1500 - 20000 - burner at front of the boiler	on request				



# PELLET BURNERS

PellHard / PellHard Plus



## HT PellHard



- A modern burner with an igniter, optical sensor and an internal feeder.
- The burner meets the requirements of the 5th class in accordance with **PN-EN 15270: 2008**. The innovative design allows for exhaust emissions compliant with the **303-5: 2012** standard (**5 th class**)
- The extensive distribution of primary and secondary air ensures the highest quality of combustion. The Omega air curtain at the end of the burner tube ensures optimal afterburning of exhaust gases (Patent Office of the Republic of Poland no. Ru 069890).
- The combustion chamber in the shape of a regular octagon with a „V” shaped floor ensures high combustion efficiency when working with a reduced load - less than 25% of the nominal power (Patent Office of the Republic of Poland No. Ru 069889).
- The **PellHard Plus** burner is equipped with a slag scraper, which is activated cyclically by the boiler automatics and prevents slag accumulation on the furnace (Patent Office of the Republic of Poland No. Ru 069889).
- The ergonomic design of the burner shortens the service time - cleaning, replacement of the igniter, replacement of sensors. The inclined position of the igniter prevents it from getting dirty and wears out prematurely.
- The HT-Logic III algorithm is individually adjusted for each boiler, which automatically selects the operating parameters and modulates the burner power depending on the boiler temperature, which reduces the **amount of fuel consumed**.

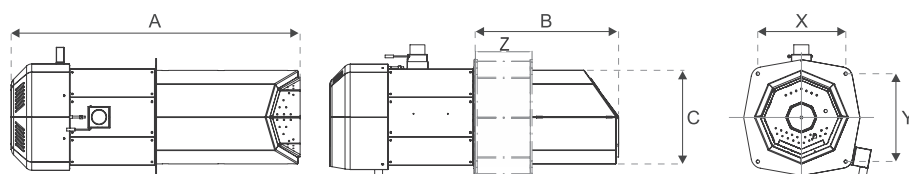
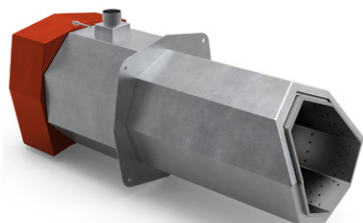
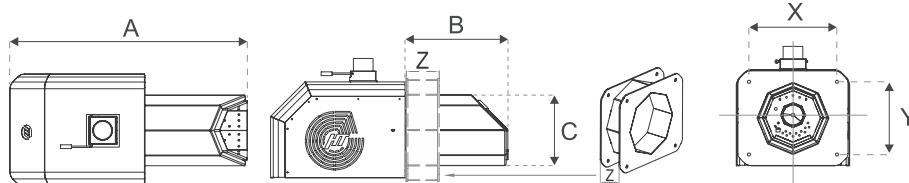


Table of dimensions

Burner power	14kW	20kW	28kW	35kW	45kW	55kW	70kW	90kW	135kW	170kW	230kW	280kW	350kW	450kW	550kW
A - Total length [mm]	470	480	505	600	650	670	720	750	805	865	935	1036	1155	1192	1244
B - Burner length [mm]	160	170	195	230	280	300	310	330	385	415	470	515	571	608	661
C - Burner height [mm]	133	150	170	182	194	211	219	232	279	303	325	336	370	392	445
X - Horizontal mounting distance [mm]	240	240	240	235	235	235	235	235	280	280	315	315	353	415	415
Y - Vertical mounting distance [mm]	185	185	185	209	220	220	220	220	280	280	315	315	353	415	415
Z - Length of the spacer flange [mm]	-	-	-	-	80	80	80	-	206	206	231	231	206	231	256

# STEROWANIE

## HT-tronic 700 / 900



- Controller **HT-tronic 700** is designed to control the combustion process in an automatic coal boiler.
- Controller **HT-tronic 900** is designed for comprehensive control of a boiler with a pellet burner.
- The automation is individually programmed for each type of boiler and its power
- The use of the innovative **HT Logic III** control algorithm allows for automatic selection of boiler operating parameters in a wide power range using the modulation function.
- Automation continuously controls the boiler operation and heating installation. Operating parameters are presented on a readable display. The device has been equipped with a boiler pump control function to protect the boiler from returning to the cold water boiler from the installation, it is equipped with the function of preparing hot utility water (HUW) in the SUMMER, WINTER mode with the possibility of switching the modes of operation in an AUTOMATIC mode. Controls the operation of the central heating pump with the option of connecting a room thermostat. It has the ability to control the operation of the actuator and mixing valve pump in cooperation with the valve's room thermostat. Controls the fuel level in the container and allows you to connect an additional room device.
- The controller has a large color and legible LCD display with an intuitive interface.
- It is possible to connect the controller to the internet using the **HT tronic Connect** module.

## HT-tronic 700 / 900 Touch



- HT-tronic 700/900 Touch controller is equipped with a 5 " touch, color LCD display with an intuitive user interface, which provide easy operation of the boiler and the heating installation.



## HT-tronic Connect

- Device can be additionally equipped with the HT tronic Connect internet module.
- The internet module enables remote operation and control of the boiler and heating system.
- The legible interface ensures intuitive operation via a computer and smartphone with the system Android and iOS

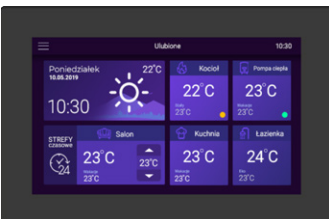
## REMOTE CONTROL PANELS WITH ROOM THERMOSTAT

### HT-tronic Rooms

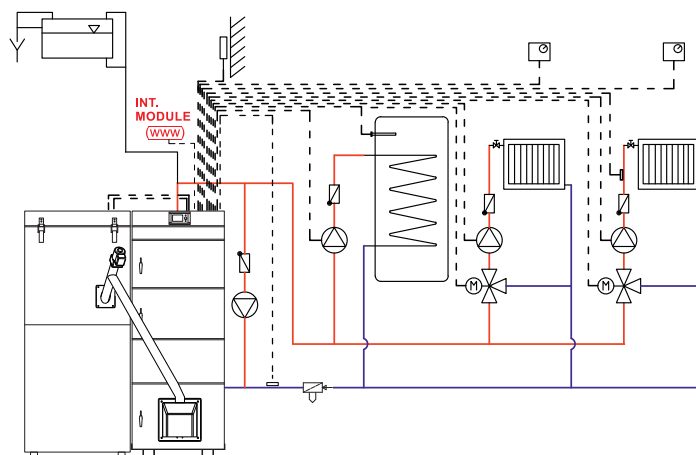


- Boiler remote control panel with a room thermostat
- The device functions as a remote panel, enabling management of the boiler temperature, DHW, buffer and mixing systems. Informs about the boiler operation and the amount of fuel in the tank. It allows you to stop and start the boiler operation.
- It has a number of functionalities that allow you to set and control the temperature in a selected room.
- To increase the user's comfort, it is possible to choose one of several management modes, such as: CONSTANT, HOLIDAY, ECONOMIC, AIRING AND TIME ZONES, which automatically adjust the temperature to the individual needs of residents.

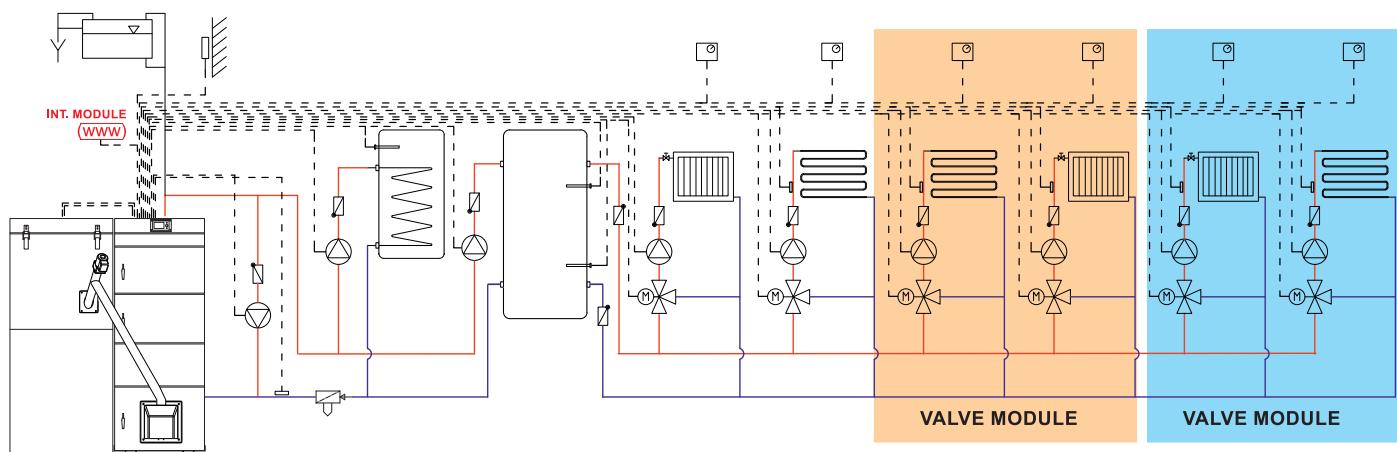
### HT-tronic Rooms Touch



- The HT tronic Rooms Touch remote control panel is equipped with a 5-inch touch screen. The modern device is designed for comprehensive boiler and thermal energy management in the apartment.
- The device acts as a boiler remote control panel and enables management of the boiler temperature, hot water, buffer and mixing valves. Informs about the amount of fuel in the tank and the operation of the device.
- It allows you to stop and start the boiler operation.
- In addition to standard temperature sensors, there are humidity level sensors, a barometer and a light intensity sensor. Smooth operation, stability and full integration with external wireless temperature sensors guarantee that the room panel is a complete device for monitoring the heat in the apartment.
- To increase the user's comfort, it is possible to choose one of several management modes, such as: CONSTANT, HOLIDAY, ECONOMIC, AIRING and TIME ZONES, which automatically adjust the temperature to the individual needs of residents.



HT-tronic 700/900 / HT-tronic 700/900 Touch



HT-tronic 700/900 lub HT-tronic 700/900 Touch with buffer module and valve module

Control	
HT-tronic® 700 / HT-tronic® 900	BOILER  CH  HDW  VALVE
HT-tronic® 700 Touch / HT-tronic® 900 Touch	BOILER  CH  HDW  VALVE
Expanding modules for automation	
HT-tronic M-Z2	Valve module  VALVE  VALVE
HT-tronic M-BC	Module of buffer and circulation  BUFFER  CIRC
HT-tronic Rooms	Remote control panel with room thermostat  (Wired)
HT-tronic Rooms Wireless	Remote control panel with room thermostat  (Wireless data transmission)
HT-tronic Rooms Wireless Touch*	Remote control panel with room thermostat  (Touch, Wireless data transmission)
HT-tronic TPP	Room thermostat with a weekly program (Wired)
HT-tronic TPBP	Room thermostat with weekly program (Wireless)
HT-tronic Connect	Internet Module
HT-tronic OPS Lambda	Combustion process optimizer <i>iPel</i> with Lambda probe
HT-tronic OPS Eko Lambda	Combustion process optimizer with Eko Lambda probe

## LEGEND

	boiler pump (introduced successively)		thermostat line / room thermostat
	boiler pump (central heating)		control of additional fuel feeder
	domestic hot water pump		HT Logic III - boiler operation in mode
	domestic hot water pump		modulating boiler operation
	circulation circuit pump		internet module
	buffer pump		color display
	mixing valve actuator control		touchscreen color display
	dirt separator with magnetizer		5-year warranty on the tightness of the exchanger - in accordance with the conditions contained in the warranty card
	valve actuator control in weather mode		energy class



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Dystrybutor



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