



# MODERN TECHNOLOGIES FOR COMFORTABLE HEATING



## Boiler KP 08

Catalog number: HKX10801R

### Characteristic of KP 08 (8kW)

Boiler KP 08 with possible operation of continuous output from 2,4 kW to 8 kW.

This boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. It is designed for installation in family houses with low energy consumption, where its operation is controlled by room sensors or thermostat. The boiler is equipped with weather-compensation regulation. Additional remote control over GSM or internet is possible as well.

### Operation and maintenance:

Automatic operation is managed by room sensors or thermostat, automatic fuel loading from the fuel bin. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals semi-automatrical cleaning of the heat exchanger and ash removal must be performed.

### Fuel:

Boilers are intended for combustion of wooden pellets of a diameter of 6 mm or 8 mm.

### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control unit RKP or IGNEO often together with room sensors or thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All of Ponast boilers are made in Czech Republic.

Parameters	Value
Rated Output	8 kW
Output range	2,4 - 8 kW
Boiler Class	5
Fuel consumption	0,56 - 1,88 kg/h
Efficiency	91,5 %
Flue gas temperature	80,6 - 123,8 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Dimensions	553x706x1217mm
Weight	188 kg
Electric input (2 motors + fan)	89 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



#### KP line 1 (14.9 - 61 kW)

- high quality and combustion efficiency
- low operating costs and easy maintenance
- automatic ignition and fuel loading
- possibility of combination with solar systems
- comfortable operation

## Standard



## Automatic woodpellet boiler KP 11.1

Catalog number: HKXY1002R

### Characteristic of KP 11.1 (14,9kW)

Boiler KP 11.1 with possible operation of continuous output from 4,5 kW to 14,9 kW.

Except the basic functions the boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. Also it is designed for installation in family houses, where its operation is controlled by a room sensor. The boiler can be equipped with GSM system for remote monitoring and control and by module which allows ethernet connection.

### Operation and maintenance:

Automatic operation is managed by a room sensor – automatic fuel loading from the fuel bin.

This is an automatic boiler controlled by temperature sensors. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals manual cleaning of the heat exchanger and ash removal must be performed

### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control Igneo unit often together with room and SW sensors. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	14,9 kW
Output range	4,5 - 14,9 kW
Fuel consumption	1,1 - 3,5 kg/h
Efficiency	90,8 %
Temperature of combustion products	79-126 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Dimensions	565x1078x1440mm
Weight	255 kg
Electric input (2 motors, fan)	173 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



## Automatic boiler for wood pellets KP 11

Catalog number: HKXY1101R

### Characteristic of KP 11 (19,5kW)

Boiler KP 11 with possible operation of continuous output from 5,8 kW to 19,5 kW.

Except the basic functions the boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. Also it is designed for installation in family houses, where its operation is controlled by a room thermostats or sensors. The boiler can be fitted with GSM system for remote monitoring and control and ethernet module for controlling the operation of the boiler via ethernet.

#### Operation and maintenance:

Automatic operation is managed by a room thermostat – automatic fuel loading from the fuel bin.

This is an automatic boiler controlled by room sensors. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals manual cleaning of the heat exchanger and ash removal must be performed

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control unit Igneo or RKP often together with room thermostats and sensors. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	19,5 kW
Output range	5,8 - 19,5 kW
Fuel consumption	1,3 - 4,4 kg/h
Efficiency	90,5 %
Temperature of combustion products	79 - 127 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Dimensions	565 x 1078 x 1440 mm
Weight	255 Kg
Electric input (2 motors, fan)	173 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



## Automatic boiler for wood pellets KP 21

Catalog number: HKXY2101R

### Characteristic of KP 21 (29kW)

Boiler KP 21 with possible operation of continuous output from 8,6 kW to 29 kW.

Except the basic functions the boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. It is designed for installation in family houses, residential buildings, industrial and agricultural buildings. Semi-automatic operation is provided by automatic dosing of fuel and combustion air in combination with manual exchanger cleaning and ash removal. The boilers can be installed in cascade to achieve the required overall performance. It can be fitted with equitherm regulation and GSM system for remote monitoring and control and modul for ethernet connection.

#### Operation and maintenance:

Automatic operation is managed by a room sensors or thermostats, automatic fuel loading from the fuel bin.

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals manual cleaning of the heat exchanger and ash removal must be performed

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control unit RKP or Igneo often together with room thermostats and temperature sensors. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	29 kW
Output range	8,6 - 29 kW
Fuel consumption	1,9 - 6,6 x hod -1
Efficiency	90,9 %
Temperature of combustion products	101 - 141 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	335 kg
Dimensions	693 x 1100 x 1440 mm
Electric input (2 motors, fan)	193 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



## Automatic pellet boiler KP 51.1

Catalog number: HKXY5103R

### Characteristic of KP 51.1 (44,9kW)

Boiler KP 51.1 with possible operation of continuous output from 13,5 kW to 44,9 kW.

Except the basic functions the boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. It is designed for installation in family houses, residential buildings, industrial and agricultural buildings. Semi-automatic operation is provided by automatic dosing of fuel and combustion air in combination with manual exchanger cleaning and ash removal. The boilers can be installed in cascade to achieve the required overall performance. It can be fitted with equitherm regulation and GSM system for remote monitoring and control and module for ethernet connection.

#### Operation and maintenance:

Automatic operation is managed by a room sensors or thermostats, automatic fuel loading from the fuel bin.

This is an automatic boiler controlled by sensors. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals manual cleaning of the heat exchanger and ash removal must be performed

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control unit RKP or Igneo often together with room thermostats and temperature sensors. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated Output	44,9 kW
Output range	13,5 - 44,9 kW
Boiler Class	5
Fuel consumption	3,1 - 10,3 kg x hod-1
Efficiency	91,2 %
Flue gas temperature	109,5 - 140,6 °C
Minimal operation chimney draught	18 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	495
Dimensions	823x1102x1590 mm
Electric input (2 motors + fan)	193 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



## Automatic boiler for wood pellets KP 51

Catalog number: HKXY5101R

### Characteristic of KP 51 (49,5kW)

Boiler KP 51 with possible operation of continuous output from 14,6 kW to 49,5 kW.

Except the basic functions the boiler is equipped with an automatic ignition and a semi-automatic heat exchanger cleaning. It is designed for installation in family houses, residential buildings, industrial and agricultural buildings. Semi-automatic operation is provided by automatic dosing of fuel and combustion air in combination with manual exchanger cleaning and ash removal. The boilers can be installed in cascade to achieve the required overall performance. It can be fitted with equitherm regulation and GSM system for remote monitoring and control a module for ethernet connection.

#### Operation and maintenance:

Automatic operation is managed by a room sensors – automatic fuel loading from the fuel bin.

This is an automatic boiler controlled by room sensors. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

In approximately monthly intervals manual cleaning of the heat exchanger and ash removal must be performed

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation provides control unit RKP or Igneo often together with room thermostats and temperature sensors. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	49,5 kW
Output range	14,6 - 49,5 kW
Fuel consumption	3,44 - 11,63 x hod -1
Efficiency	90,4 %
Temperature of combustion products	110 - 153 °C
Minimal operation chimney draught	18 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	495 kg
Dimensions	823 x 1102 x 1590 mm
Electric input (2 motors, fan)	193 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz

## KP line 3 (14.9 - 80 kW)

- high quality and combustion efficiency
- cast iron burner with high durability
- automatic heat exchanger cleaning and ash removal
- modern control system with touch screen
- comfortable operation and extensible functions
- possibility of more heating circuits and operation in cascade



## Automatic pellet boiler KP 12.1S

Catalog number: HKXI1302R

### Characteristic of KP 12.1S (14,9kW)

Our Comfort series represents a completely new generation of automatic boilers. Its design is based on a Standard series, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen) together with the possibility of online management
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New design, improved insulating properties, high combustion efficiency - fuel savings

Boiler KP 12.1S with an output of **14,9 kW**.

Fully automatic boiler KP 12.1S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated Output	14,9 kW
Output range	4,5 - 14,9 kW
Boiler Class	5
Efficiency	90,8 %
Fuel consumption	0,98 - 3,35 kg x hod -1
Recommended temp. of heating water	60 - 80 °C
Dimensions	537x1066x1444mm
Weight	310 kg
Electric input (2 motors + fan)	173 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz



## Automatic boiler for wood pellets KP 12S

Catalog number: HKXI1300R

### Characteristic of KP 12S (19,5kW)

Our new comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen)
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New design, improved insulating properties, high combustion efficiency - fuel savings

Boiler KP 12S with possible operation of continuous output from 5,8 kW do 29 kW.

Fully automatic boiler KP 12S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

#### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	19,5 kW
Output range	5,8 - 19,5 kW
Fuel consumption	1,3 - 4,4 kg x hod -1
Efficiency	90,5 %
Temperature of combustion products	79 - 127 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Dimensions	537 x 1066 x 1444 mm
Weight	310 kg
Electric input (2 motors, fan)	173 W
Connecting voltage	230 V AC ± 10%, 50Hz ±



## Automatic boiler for wood pellets KP 22S

Catalog number: HKXI2300R

### Characteristic of KP 22S (29kW)

Our new Comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen)
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New burner construction - with cast-iron exchangeable grate
- New design, improved insulating properties, high combustion efficiency - fuel savings

Boiler KP 22S with possible operation of continuous output from 8,6 kW to 29 kW.

Fully automatic boiler KP 22S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

#### Operation and maintenance:

This is an automatic boiler controlled by thermostats or sensors. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashbin.

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel and cast iron, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	29
Output range	8,6 - 29 kW
Fuel consumption	1,9 - 6,6kg x hod -1
Electric input	90,9 %
Temperature of combustion products	101 - 141 °C
Minimal operation chimney draught	8 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	370 kg
Dimensions	674 x 1146 x 1444 mm
Electric input (2 motors, fan)	210 W
Connecting voltage	230 V AC ± 10%, 50Hz ±



## Automatic boiler for wood pellets KP 52.1S

Catalog number: HKXI5302R

### Characteristic of KP 52.1S (44,9kW)

Our Comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen) together with the possibility of online management
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New design, improved insulating properties, high combustion efficiency - fuel savings

### Boiler KP 52.1S with an output of 44,9 kW.

Fully automatic boiler KP 52.1S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated Output	44,9 kW
Rated Output	13,5 - 44,9 kW
Boiler Class	5
Efficiency	91,2 %
Flue gas temperature	109,5 - 140,6 °C
Fuel consumption	3,1 - 10,3 kg x hod-1
Recommended temp. of heating water	60 - 80 °C
Dimensions	816x1078x1595mm
Weight	520 kg
Electric input (2 motors + fan)	210 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz

## Automatic pellet boiler KP 52S

Catalog number: HKXI5300R

### Characteristic of KP 52S (49,2kW)

Our Comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen) together with the possibility of online management
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New design, improved insulating properties, high combustion efficiency - fuel savings

### Boiler KP 52S with an output of 49,2 kW.

Fully automatic boiler KP 52S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated Output	49,2 kW
Output range	14,7 - 49,2 kW
Boiler Class	5
Efficiency	91,2 %
Fuel consumption	3,44 - 10,91 kg x hod-1
Flue gas temperature	110 - 141 °C
Recommended temp. of heating water	60 - 80 °C
Dimensions	816x1078x1595mm
Weight	520 kg
Electric input (2 motors + fan)	210 W
Connecting voltage	230 V AC ± 10%, 50Hz ± 2Hz





## Automatic boiler for wood pellets KP 62S

Catalog number: HKX16300R

### Characteristic of KP 62S (62kW)

Our new Comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen)
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New burner construction - with cast-iron exchangeable burner surface
- New design, improved insulating properties, high combustion efficiency - fuel savings

### Boiler KP 62S with possible operation of continuous output from 18,6 kW to 62 kW.

Fully automatic boiler KP 62S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

#### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products

Parameters	Value
Rated output	62 kW
Output range	18,6 - 62 kW
Fuel consumption	4,1 - 14,28 hod -1
Efficiency	90%
Temperature of combustion products	101 - 160 °C
Minimal operation chimney draught	22 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	590 kg
Dimensions	816 x 1198 x 1744 mm
Electric input (2 motors, fan)	340 W
Connecting voltage	230 V AC ± 10%, 50Hz ±

## Automatic boiler for wood pellets KP 82S

Catalog number: HKX18300R

### Characteristic of KP 82S (82kW)

Our new Comfort series represents a completely new generation of automatic boilers. Its design is based on a series Standard, but contains a number of improvements. The major ones included, for example:

- New modern control unit with an intuitive control (touchscreen)
- Control of up to 5 heating circuits, sanitary water, accumulation tank and solar system
- New burner construction - with cast-iron exchangeable burner surface
- New design, improved insulating properties, high combustion efficiency - fuel savings

### Boiler KP 82S with possible operation of continuous output from 24,5 kW to 82 kW.

Fully automatic boiler KP 82S is equipped with automatic heat exchanger cleaning and ash removal. Its operation can be controlled equithermally on the basis of outdoor temperature.

#### Operation and maintenance:

This is an automatic boiler controlled by thermostats. Permanent service is not needed, occasional service consists of controlling the fuel level in the bin and checking the amount of ash in the ashtray.

#### Fuel:

Boilers are intended for combustion of wood pellets of a diameter of 6 mm and 8 mm.

#### Technical description:

Boilers consist of boiler body – a steel weldment with wall thickness of 3 – 6,3 mm; linear burner made from heat-resistant stainless steel, ceramic parts, boiler jacketing with thermal insulation, electronic control unit and fuel feeders. The boiler also includes components to ensure safe operation. Automatic control of operation is provided by control unit often together with room and SW thermostats. The boiler output can be set in the range 30 – 100% of rated output and in this entire range the boiler achieves the same efficiency and emission limits. The boiler must have operating fuel tank, which can be placed freely around the boiler. All Ponast's KP boilers are Czech products.

Parameters	Value
Rated output	82 kW
Output range	24,5 - 82 kW
Fuel consumption	5,7 - 18,8 hod -1
Efficiency	90,1%
Temperature of combustion products	99 - 147 °C
Minimal operation chimney draught	25 Pa
Recommended temp. of heating water	55 - 80 °C
Weight	700 kg
Dimensions	816x1348x1744mm
Electric input (2 motors, fan)	400 W
Connecting voltage	230 V AC ± 10%, 50Hz ±

