PELLET AND WOOD BURNING BOILERS
modern heating appliances

www.hkslazar.co.uk
**Lambda sensor**

Advanced logarithms control the boiler operation, adapting to current conditions ensuring the highest efficiency in the full output range. Guaranteeing savings, a clean heat exchanger and simple adjustment.

**Weather control**

The advanced controller manages the boiler and functions, including pumps, valves, buffer tank, and additional backup boiler. This assures all the devices form an integrated system which ensures optimal efficiency.

**BAFA / MCS**

The boilers are on the German BAFA and English MCS lists due to their low emission and high efficiency.

**Class 5**

The highest class foreseen in the EN 303-5 standard, boilers are class five with the lowest emission and highest efficiency characteristics.

**EcoDesign**

The EcoDesign 2020 Directive defines restrictive requirements for seasonal emissions and efficiency which is reflected in the real use of the boiler throughout the heating season.

**Rotary Valve**

This eliminates the possible ignition of the fuel in the pellet store.

**Stainless Steel**

Highest class of materials are used in production of the burner which guarantees its long-term durability and excellent operation.

**Condensation**

The technique used for heat condensation not only uses the measurable heat that arises during fuel combustion, but also the steam in flue gases. InterFire condensing boilers are able to capture the heat contained in flue gases almost entirely and transform into useable heat.
Comfort & modernity

Automatic cleaning
Turbulators located in the heat exchanger clean the surface, increasing boiler efficiency. In addition, they create exhaust turbulence assuring heat exchanger efficiency.

Vacuum
Thanks to a pneumatic pellet transport system VACUUM, pellets are automatically fed from a larger fuel container to the boiler, which reduces user input.

Equipped with hydraulics
The boiler is equipped with a hydraulic kit so its installation time is reduced.

Remote access
Through the internal or external econet24.com server you can see the current parameters of boiler and hydraulic system, change most settings (user and service), have insight into the history of the most important parameters and receive email messages with alerts. The controller can be connected by cable or wirelessly.

Touch panel
The advanced controller with an intuitive interface touch panel, weather adjustment, and a weekly program, helps to adjust the boiler to individual needs.

Automatic ash removal
Automatic de-ashing system removes the ash from the boiler to the external container where it is compressed. This reduces the amount of times the user removes the ash. (Approximately every 2 months).

Mechanical burner cleaning
The burner is systematically cleaned automatically which guarantees optimal combustion conditions and therefore reduces user input.

Compact construction
Small dimensions allows the boiler to fit in most boiler rooms.

Automatic ignition, automatic burner cleaning, automatic heat exchanger cleaning.
Limited user input, optimal combustion, high efficiency and measurable savings are assured by the automation of HKS lazar boilers.

Limited use, optimal combustion, optimal combustion, high efficiency and measurable savings are assured by the automation of HKS lazar boilers.
Highly efficient pellet boiler with automatic operation, modern and convenient regulation

### Smart Fire 11/15/22/31/41

**Parameters:**
- **Boiler class:**
  - SF 11: 5
  - SF 15: 5
  - SF 22: 5
  - SF 31: 5
  - SF 41: 5

- **Heat efficiency:**
  - SF 11: 91.2%
  - SF 15: 91.0%
  - SF 22: 90.6%
  - SF 31: 91.0%
  - SF 41: 91.0%

- **Nominal output:**
  - SF 11: 11 kW
  - SF 15: 10.95 kW
  - SF 22: 13.25 kW
  - SF 31: 14.80 kW
  - SF 41: 14.80 kW

- **Output range:**
  - SF 11: 3.3 kW-11 kW
  - SF 15: 4.5 kW-15 kW
  - SF 22: 6.6 kW-22 kW
  - SF 31: 8.85 kW-31 kW
  - SF 41: 10.15 kW-41 kW

- **Width (fuel container type - width):**
  - SF 11: 22
  - SF 15: 6.6
  - SF 22: 8.85
  - SF 31: 10.15
  - SF 41: 12.3

- **Height:**
  - SF 11: 770 mm
  - SF 15: 1095 mm
  - SF 22: 1325 mm
  - SF 31: 1480 mm
  - SF 41: 1480 mm

- **Depth (fuel container type - depth):**
  - SF 11: 150 L
  - SF 15: 240 L
  - SF 22: 400 L
  - SF 31: 150 L
  - SF 41: 240 L

- **Water capacity:**
  - SF 11: 770 dm³
  - SF 15: 1095 dm³
  - SF 22: 1325 dm³
  - SF 31: 1480 dm³
  - SF 41: 1480 dm³

- **Required chimney draft:**
  - SF 11: 770 Pa/nbar
  - SF 15: 1095 Pa/nbar
  - SF 22: 1325 Pa/nbar
  - SF 31: 1480 Pa/nbar
  - SF 41: 1480 Pa/nbar

- **Flow and return connections:**
  - SF 11: 120/120/100
  - SF 15: 120/120/100
  - SF 22: 120/120/100
  - SF 31: 120/120/100
  - SF 41: 120/120/100

- **Maximum operational pressure:**
  - SF 11: 1.5/3.0
  - SF 15: 1.5/3.0
  - SF 22: 1.5/3.0
  - SF 31: 1.5/3.0
  - SF 41: 1.5/3.0

- **Minimum return water temperature:**
  - SF 11: 55°C
  - SF 15: 55°C
  - SF 22: 55°C
  - SF 31: 55°C
  - SF 41: 55°C

- **Integrated pellet hopper capacity:**
  - SF 11: 150, 240, 400
  - SF 15: 150, 240, 400
  - SF 22: 150, 240, 400
  - SF 31: 150, 240, 400
  - SF 41: 150, 240, 400

**Approvals:**
- MCS
- HETAS
- SMART FIRE
- 5 class
- energy label
- BAFA
- eco design

**Features:**
- High efficiency pellet boiler
- Automatic operation
- Modern and convenient regulation
- Integrated pellet hopper on the side
- Comfort & modernity
- Ecology
- Safety
- Economy
Heat efficiency! 92-90% heat efficiency!

The boiler diagram is for illustrative purposes only.
Highly efficient pellet boiler with automatic operation, modern and comfortable regulation

<table>
<thead>
<tr>
<th>PARAMETER:</th>
<th>UNIT:</th>
<th>SF 11:</th>
<th>SF 15:</th>
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</thead>
<tbody>
<tr>
<td>boiler class</td>
<td>-</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>heat efficiency</td>
<td>%</td>
<td>91,2%</td>
<td>92,0%</td>
</tr>
<tr>
<td>nominal output</td>
<td>kW</td>
<td>11</td>
<td>15</td>
</tr>
<tr>
<td>output range</td>
<td>kW</td>
<td>3,3 ÷ 11,0</td>
<td>4,5 ÷ 15,0</td>
</tr>
<tr>
<td>width</td>
<td>mm</td>
<td>795</td>
<td>795</td>
</tr>
<tr>
<td>height</td>
<td>mm</td>
<td>1150 + 455(top extension)</td>
<td>1150 + 455(top extension)</td>
</tr>
<tr>
<td>depth</td>
<td>mm</td>
<td>740</td>
<td>740</td>
</tr>
<tr>
<td>water capacity</td>
<td>dm³</td>
<td>37</td>
<td>37</td>
</tr>
<tr>
<td>internal / external exhaust diameter</td>
<td>mm</td>
<td>100 / 93</td>
<td>120 / 110</td>
</tr>
<tr>
<td>recommended chimney diameter</td>
<td>mm</td>
<td>100 ÷ 110</td>
<td>120 ÷ 130</td>
</tr>
<tr>
<td>required chimney draft</td>
<td>Pa / mbar</td>
<td>1 ÷ 8 / 0,01 ÷ 0,08</td>
<td>1 ÷ 8 / 0,01 ÷ 0,08</td>
</tr>
<tr>
<td>output and return connections</td>
<td>cal</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>max. operational pressure* - depending on model</td>
<td>bar</td>
<td>1,5 / 3,0*</td>
<td>1,5 / 3,0*</td>
</tr>
<tr>
<td>average flue gas temperature at max. power</td>
<td>ºC</td>
<td>105</td>
<td>120</td>
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<tr>
<td>average flue gas temperature at min. power max.</td>
<td>ºC</td>
<td>50</td>
<td>55</td>
</tr>
<tr>
<td>recommended flue gas temperature</td>
<td>ºC</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>maximum boiler temperature</td>
<td>ºC</td>
<td>85</td>
<td>85</td>
</tr>
<tr>
<td>recommended boiler temperature minimum</td>
<td>ºC</td>
<td>65 ÷ 80</td>
<td>65 ÷ 80</td>
</tr>
<tr>
<td>return water temperature</td>
<td>ºC</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Integrated pellet hopper capacity</td>
<td>dm³</td>
<td>50 ÷ top extension (90 or 150)</td>
<td>50 ÷ top extension (90 or 150)</td>
</tr>
</tbody>
</table>
The boiler diagram is for illustrative purposes only.

- **Heat Efficiency**: 91-92%

- **Insulation**
  - Water Jacket

- **Fuel Hopper**: Top Extension (Optional)
  - 90 L
  - 165 L

- **Pellet Hopper**
  - Automatic Burner Cleaning (Optional)
  - Manual Heat Exchanger Cleaning / Automatic Heat Exchanger Cleaning (Optional)

- **Stainless Steel Pellet Burner**

- **Rotary Safety Valve**: Protects the fuel in the container from ignition.

- **Automatic Ignitor**

- **Automatic Ash Removal** (Optional)

- **Fuel Feeder**

- **HKS Lazar**

*The boiler diagram is for illustrative purposes only.*
Highly efficient pellet boiler with a compact and modern design

### SMART FIRE 11/130

WITH PELLET HOPPER ON THE TOP

#### PARAMETER:

- **boiler class**: 5
- **heat efficiency**: 91.2%
- **nominal output**: 11 kW
- **output range**: 3.3 ÷ 11.0 kW
- **width**: 580 mm
- **height**: 1620 mm
- **depth**: 925 mm
- **water capacity**: 37 dm³
- **internal / external exhaust diameter**: 100 / 93 mm
- **recommended chimney diameter**: 100 ÷ 110 mm
- **required chimney draft**: 1 ÷ 8 / 0.01 ÷ 0.08 Pa / mbar
- **output and return connections**: 1 cal
- **maximum operational pressure**: 1.5 / 3.0* bar
- **average flue gas temperature at maximum power**: 105 °C
- **average flue gas temperature at minimum power**: 50 °C
- **maximum recommended flue gas temperature**: 180 °C
- **maximum boiler temperature**: 85 °C
- **recommended boiler temperature**: 65 ÷ 80 °C
- **minimum return water temperature**: 55 °C
- **Integrated pellet hopper capacity**: 130 dm³
The boiler diagram is for illustrative purposes only.

91.2% heat efficiency!
Highly efficient pellet boiler with automatic operation and modern and convenient adjustment.

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>UNIT</th>
<th>SF 69:</th>
<th>SF 81:</th>
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<tr>
<td>boiler class</td>
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<td>5</td>
<td>5</td>
</tr>
<tr>
<td>heat efficiency</td>
<td>%</td>
<td>92,5%</td>
<td>91,5%</td>
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<tr>
<td>nominal output</td>
<td>kW</td>
<td>69</td>
<td>81</td>
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<tr>
<td>output range</td>
<td>kW</td>
<td>20,7 = 69,0</td>
<td>24,3 = 81,0</td>
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<tr>
<td>width (fuel container type - width)</td>
<td>mm</td>
<td>300 L - 1300</td>
<td>300 L - 1300</td>
</tr>
<tr>
<td>height (fuel container type - height)</td>
<td>mm</td>
<td>300 L - 1980</td>
<td>300 L - 1980</td>
</tr>
<tr>
<td>depth (fuel container type - depth)</td>
<td>mm</td>
<td>300 L - 1560</td>
<td>300 L - 1560</td>
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<tr>
<td>water capacity</td>
<td>dm³</td>
<td>290</td>
<td>285</td>
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<tr>
<td>internal / external flue diameter</td>
<td>mm</td>
<td>200 / 190</td>
<td>200 / 190</td>
</tr>
<tr>
<td>recommended chimney diameter</td>
<td>mm</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>required chimney draft</td>
<td>Pa / mbar</td>
<td>10 ÷ 20 / 0,1 = 0,2</td>
<td>10 ÷ 20 / 0,1 = 0,2</td>
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<tr>
<td>output and return connections</td>
<td>cal</td>
<td>1 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>maximum operating pressure* - depends on model</td>
<td>bar</td>
<td>1,5 / 3,0*</td>
<td>1,5 / 3,0*</td>
</tr>
<tr>
<td>average flue gas temperature at maximum power</td>
<td>°C</td>
<td>95</td>
<td>110</td>
</tr>
<tr>
<td>average flue gas temperature at minimum power</td>
<td>°C</td>
<td>70</td>
<td>70</td>
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<tr>
<td>maximum recommended flue gas temperature</td>
<td>°C</td>
<td>180</td>
<td>180</td>
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<tr>
<td>maximum boiler temperature</td>
<td>°C</td>
<td>85</td>
<td>85</td>
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<tr>
<td>recommended boiler temperature</td>
<td>°C</td>
<td>65 = 80</td>
<td>65 = 80</td>
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<tr>
<td>minimum return water temperature</td>
<td>°C</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Integrated pellet hopper capacity</td>
<td>dm³</td>
<td>300</td>
<td>300</td>
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</table>
92.5-91.5% heat efficiency!
**INTER FIRE 11**

Stainless steel condensing pellet boiler with automatic cleaning and lambda sensor

Save pellets! thanks to condensation!

<table>
<thead>
<tr>
<th>PARAMETER:</th>
<th>UNIT:</th>
<th>IF 11:</th>
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</thead>
<tbody>
<tr>
<td>boiler class</td>
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<tr>
<td>condensation efficiency</td>
<td>%</td>
<td>104,4%</td>
</tr>
<tr>
<td>nominal output</td>
<td>kW</td>
<td>12</td>
</tr>
<tr>
<td>output range</td>
<td>kW</td>
<td>3,6 - 12,0</td>
</tr>
<tr>
<td>width (fuel container type - width)</td>
<td>mm</td>
<td>1040</td>
</tr>
<tr>
<td>150 L</td>
<td>mm</td>
<td>1250</td>
</tr>
<tr>
<td>240 L</td>
<td>mm</td>
<td>1480</td>
</tr>
<tr>
<td>400 L</td>
<td>mm</td>
<td>1480</td>
</tr>
<tr>
<td>height</td>
<td>mm</td>
<td></td>
</tr>
<tr>
<td>depth (fuel container type - depth)</td>
<td>mm</td>
<td></td>
</tr>
<tr>
<td>150 L</td>
<td>mm</td>
<td>885</td>
</tr>
<tr>
<td>240 L</td>
<td>mm</td>
<td>885</td>
</tr>
<tr>
<td>400 L</td>
<td>mm</td>
<td>885</td>
</tr>
<tr>
<td>water capacity</td>
<td>dm³</td>
<td>90</td>
</tr>
<tr>
<td>internal flue diameter</td>
<td>mm</td>
<td>125</td>
</tr>
<tr>
<td>recommended chimney diameter</td>
<td>mm</td>
<td>120 - 130</td>
</tr>
<tr>
<td>required chimney draft</td>
<td>Pa / mbar</td>
<td>1 - 8 / 0,01 - 0,08</td>
</tr>
<tr>
<td>flow and return connections</td>
<td>cal</td>
<td>1</td>
</tr>
<tr>
<td>maximum operating pressure</td>
<td>bar</td>
<td>3,0</td>
</tr>
<tr>
<td>average flue gas temperature at maximum power</td>
<td>°C</td>
<td>60</td>
</tr>
<tr>
<td>average flue gas temperature at minimum power</td>
<td>°C</td>
<td>30</td>
</tr>
<tr>
<td>maximum boiler temperature</td>
<td>°C</td>
<td>85</td>
</tr>
<tr>
<td>recommended boiler temperature - * as a condensing boiler</td>
<td>°C</td>
<td>25 - 45</td>
</tr>
<tr>
<td>minimum return water temperature</td>
<td>°C</td>
<td>5</td>
</tr>
<tr>
<td>Integrated pellet store capacity</td>
<td>dm³</td>
<td>150, 240, 400</td>
</tr>
</tbody>
</table>
CONDENSATION EFFICIENCY
Low exhaust temperature, ideal burning parameters with lambda sensor and condensation allows the InterFire boiler achieve 104.4% efficiency.

CONDENSATION
The technique used for heat condensation not only uses the measurable heat that arises during fuel combustion, but also the steam in flue gases. InterFire condensing boilers are able to capture the heat contained in flue gases almost entirely and transform and use for heating.

WIDE RANGE OF OUTPUT TEMPERATURES 20-85°C
Stainless steel heat exchanger constructed with the HCC system (Heat–Cold Cassette) allows the boiler to operate at very low output temperature, even from 28 deg. C. Thanks to this the InterFire boiler will work well in new construction sites and in low temperature heating systems, such as underfloor heating.

SIMPLE INSTALLATION
The InterFire boiler does not require any return temperature protection from low temperature corrosion, thanks to this the installation is simpler and cheaper than traditional solid fuel boiler installations.

STAINLESS STEEL EXCHANGER
The InterFire boiler is built with high quality stainless steel which extends its lifetime.

104.4% condensation efficiency!
pellet boilers

PELLET FOCUS

A highly efficient pellet boiler with many options.

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>UNIT</th>
<th>PF21:</th>
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</thead>
<tbody>
<tr>
<td>boiler class</td>
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<td>5</td>
</tr>
<tr>
<td>heat efficiency</td>
<td>%</td>
<td>91,1%</td>
</tr>
<tr>
<td>nominal output</td>
<td>kW</td>
<td>18</td>
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<tr>
<td>output range</td>
<td>kW</td>
<td>5,4 ÷ 18,0</td>
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<tr>
<td>width</td>
<td>mm</td>
<td>555</td>
</tr>
<tr>
<td>height</td>
<td>mm</td>
<td>1215</td>
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<tr>
<td>depth</td>
<td>mm</td>
<td>1115</td>
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<tr>
<td>water capacity</td>
<td>dm³</td>
<td>53</td>
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<tr>
<td>internal / external exhaust diameter</td>
<td>mm</td>
<td>120 / 110</td>
</tr>
<tr>
<td>recommended chimney diameter</td>
<td>mm</td>
<td>120 - 130</td>
</tr>
<tr>
<td>required chimney draft</td>
<td>Pa / mbar</td>
<td>5 ÷ 10 / 0,05 ÷ 0,10</td>
</tr>
<tr>
<td>output and return connections</td>
<td>cal</td>
<td>1</td>
</tr>
<tr>
<td>maximum operating pressure* - depends on model</td>
<td>bar</td>
<td>1,5 / 3,0*</td>
</tr>
<tr>
<td>average flue gas temperature at maximum power</td>
<td>°C</td>
<td>120</td>
</tr>
<tr>
<td>average flue gas temperature at minimum power</td>
<td>°C</td>
<td>60</td>
</tr>
<tr>
<td>maximum recommended flue gas temperature</td>
<td>°C</td>
<td>180</td>
</tr>
<tr>
<td>maximum boiler temperature</td>
<td>°C</td>
<td>85</td>
</tr>
<tr>
<td>recommended boiler temperature</td>
<td>°C</td>
<td>65 ÷ 80</td>
</tr>
<tr>
<td>minimum return water temperature</td>
<td>°C</td>
<td>55</td>
</tr>
<tr>
<td>Integrated pellet hopper capacity</td>
<td>dm³</td>
<td>270 / 300 / 400 / 500 / 900 / 1480</td>
</tr>
</tbody>
</table>

WITH PELLET HOPPER ON THE TOP

[Image of PELLET FOCUS boiler with features and certifications]

[Icons for Economy, Ecology, Safety, Comfort & modernity]


Notes: *Maximum operating pressure depends on model. Max. return water temperature - depends on model.
The boiler diagram is for illustrative purposes only.
Highly efficient wood boiler with modern and convenient adjustments

<table>
<thead>
<tr>
<th>PARAMETER:</th>
<th>UNIT:</th>
<th>HM 20:</th>
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<tbody>
<tr>
<td>boiler class</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>heat efficiency</td>
<td>%</td>
<td>90,6 %</td>
</tr>
<tr>
<td>nominal output</td>
<td>kW</td>
<td>20</td>
</tr>
<tr>
<td>fuel consumption at nominal output</td>
<td>kg / h</td>
<td>~ 5,5</td>
</tr>
<tr>
<td>width</td>
<td>mm</td>
<td>770</td>
</tr>
<tr>
<td>height</td>
<td>mm</td>
<td>1565</td>
</tr>
<tr>
<td>depth</td>
<td>mm</td>
<td>1075</td>
</tr>
<tr>
<td>Internal / external exhaust diameter</td>
<td>mm</td>
<td>160 / 150</td>
</tr>
<tr>
<td>output and return connections</td>
<td>cal</td>
<td>1½</td>
</tr>
<tr>
<td>maximum operating pressure* - depends on model</td>
<td>bar</td>
<td>1,5 / 3,0*</td>
</tr>
<tr>
<td>required chimney draft</td>
<td>Pa</td>
<td>5 = 15 / 0,05 = 0,15</td>
</tr>
<tr>
<td>maximum flue gas temperature</td>
<td>ºC</td>
<td>80</td>
</tr>
<tr>
<td>average flue gas temperature at nominal output</td>
<td>ºC</td>
<td>140</td>
</tr>
<tr>
<td>recommended boiler temperature</td>
<td>ºC</td>
<td>70 = 80</td>
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<tr>
<td>noise level</td>
<td>dB</td>
<td>under 75</td>
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<td>water capacity</td>
<td>dm³</td>
<td>132</td>
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</tbody>
</table>
The boiler is equipped with a large loading chamber with 125 dm³ capacity, allowing for logs of up to 50 cm in length.

*heat efficiency!*

The boiler diagram is for illustrative purposes only.

90.6%
Pellet transport and storage systems

**VACUUM**

**PELLET TRANSPORT SYSTEM - VACUUM**

Pneumatic pellet feeder from a larger container to the SmartFire boiler. Includes motor, mount, independent regulator and housing.

**DESCRIPTION:**

1. Suction Probe
2. Distributor
3. Vacuum
4. Textile Silo
5. Horizontal Screw Auger

**DISTRIBUTOR**

This device enables the installation of several feeder sensors in the larger pellet store, making it easier to use the full capacity.

**SUCTION PROBE**

This device is installed in the larger pellet store and is used for smooth fuel feeding.
Pellet Auger

1. Flexible Screw Auger
2. Horizontal Screw Auger
3. Textile Silo
4. Straight Screw Auger
5. Metal Pellet Hopper
pellet silos

SUPER SILO
Most robust silo on the market!

ECO SILO
Even more ecological!

### Silos full of advantages!

- **Possibility of installation significantly further from the boiler**
- **Simple and quick installation**
- **Without additional preparation**
- **Free of pressure**
- **Does not create dust**
- **Capacity viewed externally**
- **Easy installation**
- **Easy to move**
- **Wide selection of dimensions and capacity**

### Various loading systems

- **Pneumatic filling**
  - Our silos include a hose connector to the truck and can be inflated pneumatically. Thanks to the appropriate fabric construction, only one filling connection is needed. Maximum working pressure is 0.8 bar.

- **Manual filling from sacks or bags**
  - It is possible to fill the silo manually from bags thanks to the filling sleeves mounted on the lid or on the side. We can also put a hatch on the top cover to allow filling from the top. The cover protects against escaping dust.

Three heating circuits diagram
DISTRIBUTOR 1-3 CIRCULATION.

DESCRIPTION:
1. Boiler
2. Usable warm water temperature sensor
3. Usable warm water circulation pump
4. Return temperature sensor
5. Room panel with circulation sensor 1
6. Room sensor for circulation 2
7. Room sensor for circulation 3
8. Module 800 S
9. External temperature sensor
10. Boiler circuit, pump, TV valve
11. Circuit 1 (pump, 4D valve with actuator, temperature sensor)
12. Circuit 2 (pump, 4D valve with actuator, temperature sensor)
13. Circuit 3 (pump, 4D valve with actuator, temperature sensor)

The hydraulic diagram shown does not replace the installation design and is for illustrative purposes only.
## Standard / Optional equipment

<table>
<thead>
<tr>
<th>Model</th>
<th>Touch Panel</th>
<th>Weather Control</th>
<th>TOUCH PANEL</th>
<th>Sensors (External, Domestic Hot Water, Buffer, Circuits, Boiler)</th>
<th>Pellet Hopper (Top)</th>
<th>Pellet Hopper (Side)</th>
<th>Pellet Hopper (Top)</th>
<th>Pellet Hopper (Side)</th>
<th>Automatic Burner Cleaning</th>
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<th>Stainess Steel Burner</th>
<th>Heat Exchanger Turbulators</th>
<th>Operational Pressure 1,5 Bar</th>
<th>Operational Pressure 3 Bar</th>
<th>Automatic Ash Removal</th>
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- S: standard
- : optional - added cost
- /: not available
- *: not required
Choose the highest quality!

HKS LAZAR has acquired a top class welding robot, from Panasonic equipped with a number of unique and innovative solutions. The “intelligent” control system of GMA welding is equipped with unique adaptation systems that are part of the robot’s main control system. This means that the welder robot not only just executes a program stored in memory with a specified repeatability, but also responds to changes and interruptions in its work area and makes adjustments. Thanks to this the welding is at the highest level.

HIGHEST QUALITY COMPONENTS

In production we use only the best suppliers who provide us with the highest quality components. We use Rauschert ceramic igniters which have a recorded lifespan of up to 100,000 ignites. Fan producers Ziehl-Abegg and AACO are the leaders in advanced ventilation systems. Additionally, the boiler control system manufacturer Plum is the best manufacturer in the industry with accredited laboratories and their own certified production. The Swiss company Belimo provides us with the highest quality linear actuators used in burner cleaning systems. Installed in our boilers are the best ABM Greffenberger’s energy-efficient and dependable geared motors on the market.

www.hkslazar.co.uk
HKS LAZAR, an established family business, which has become one of the leading manufacturers of Biomass heating systems in Poland. The origins of Lazar Brothers business were established in 1937. We have over 400 dealers covering the entirety of Poland. We also export with great success to several European countries; including Germany, where we are on the prestigious BAFA list this qualifies us as a true international exporter of renewable heating technologies.

We are in partnership with SARSEN ENERGY Ltd, as the sole UK importers of our products. A family operated business established in 1998, Sarsen Energy have a wealth of experience within the UK renewable energy industry.

Our extensive manufacturing range grows systematically and includes wood pellet and log boilers alongside many other heating products. Our research and design team are constantly developing and working on the development of new and existing boilers, ensuring quality and reliability are integral throughout our range.

We pride ourselves in the manufacture of HIGH QUALITY HEATING SYSTEMS. We endeavour to keep our products up to date with the latest advancements in technology. HKS LAZAR is consistently integrating and developing new designs and technology into our products.

Modern engineering techniques and methods are applied during the design and manufacturing processes. Our production lines utilize the latest automated laser cutting technology and robot welding, combined with our paint rooms, we produce heating systems which are not only reliable and efficient but also finished to an extremely high standard.

Environmental considerations are also an essential aspect considered during the manufacturing process, this is why all HKS LAZAR products satisfy high ecology requirements.

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**Sole UK Importers**

Sarsen Energy Ltd  
Unit 1 Garlands trading estate  
Cadley road  
Collingbourne Ducis  
Marlborough  
Wiltshire  
SN8 3EB

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**Approved distributor**

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Phone: (01264) 850742  
Fax: (01264) 850549

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e-mail: info@hkslazar.co.uk