



PRODUCT INFORMATION
KWB CLASSICFIRE / COMBIFIRE
Log wood heating system and
Log wood-pellet combi-heating



KWB CLASSICFIRE COMBIFIRE

**LOG WOOD HEATING SYSTEM AND
LOG WOOD-PELLET COMBI-HEATING
18 - 38 kW**



OPTIONALLY
AVAILABLE WITH
**PELLET
MODULE**

**FLEXIBLE
AND SAFE
HEATING**



PREMIUM QUALITY "MADE IN AUSTRIA"

KWB is the Austrian quality producer of pellet, wood chip and log wood heating systems in the output range from 2.4 to 300 kW. As a pioneer in this sector, we have revolutionized heating with wood. More than 90,000 customers worldwide trust our expertise, including single- and multi-family home owners, agricultural businesses, tour operators, commercial business and utility companies.

KWB is the ideal single-source solution. Our premium products are operationally reliable, and guaranteed Made in Austria. Our assistance commences during your decision-making process and we continue to assist you, together with our trusted partner installation companies, all the way to the installation of your customized comprehensive solution. Our KWB Factory Customer Service and our distribution partners in your vicinity will also be glad to help you at any time!

We provide energy for life!



**PREMIUM QUALITY
"MADE IN AUSTRIA"**



**MORE THAN 90.000
SATISFIED CUSTOMERS**



**NUMEROUS AWARDS FOR THE
FACTORY CUSTOMERS SERVICE**



MADE IN AUSTRIA! AT HOME ALL OVER THE WORLD!

KWB stands for regional and eco-friendly heating with wood. The headquarters of the company is located in the Styrian town of St. Margarethen/Raab (Austria) with subsidiaries in Germany, Italy and France. In 16 additional countries, from Canada to Chile and all the way to Japan, we rely on our strong distribution partners. Together we spread KWB's philosophy all over the world.





KWB
MODULAR
ASSEMBLY
SYSTEM

CLARITY IN BUILD AND PURPOSE

KWB'S MODULAR AND EASILY TRANSPORTABLE SYSTEM

All KWB systems can be dismantled into several modules, which allows our products to be placed in almost every heating room and easily installed even in tight spaces. We call it the **KWB modular and easily transportable system**.



You can schedule less time

because your technician can move the heating system into the heating room more quickly.



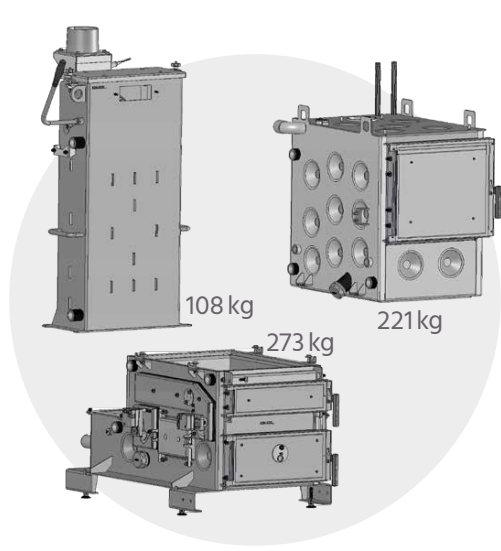
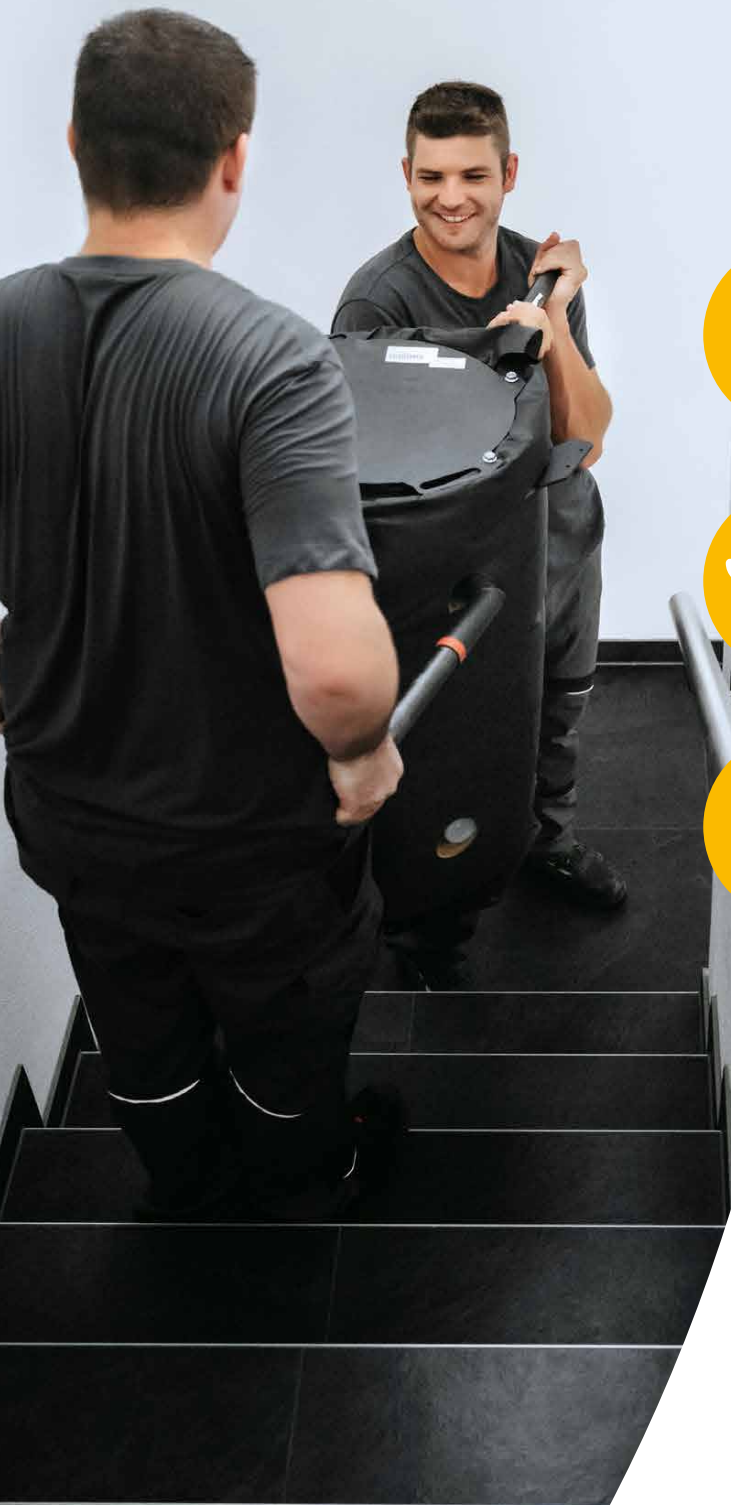
You save money

because your contractor works faster and does not require expensive installation aids.



You preserve and protect your space.

The reduced weight of the individual pieces makes it less likely that you scratch any surfaces of your furnishings.



HEAT FROM WOOD

Wood is the oldest fuel in the world. Heating with wood means independence and security. The fuel is regionally available and cost-effective. In addition, heating with wood saves lots of CO₂ compared to oil and gas. Thanks to KWB's cutting edge technology, wood heating today is highly convenient. The KWB Classicfire log wood heating system can be filled with logs of up to a half-metre length. The large-sized front door ensures high convenience when stoking. Thanks to the 185-litre fuel fill room, the boiler must be generally stoked only once per day to heat an average single-family home for a whole day. Continuous refilling is thus a thing of the past. For lower storage volume, you can choose the KWB Classicfire 1.5 with 150 litres fill room. The KWB Classicfire can also be expanded at any time to a flexible log wood-pellet combination boiler to enjoy the convenience of a fully automatic heating system.



KWB CLASSICFIRE
1 x HEATING =

1 DAY
OF HEAT

KWB CLASSICFIRE

CLASSIC AND CONVENIENT HEATING

- ✓ **Particularly long wood refill intervals**
- ✓ **Convenient controls with touchscreen display and dial**
- ✓ **Expandable to a log wood-pellet combination heating system**

The KWB Classicfire log wood heating system combines traditional wood heating with modern convenience. In the output range between 18 – 38 kW, it is the ideal central heating for agricultural and forestry businesses, and owners of single-family and multi-family homes, who either own a forest or have access to wood. Thanks to the 185-litre fuel fill room, it can be filled with logs of up to 56 cm length only once a day as a rule. The controls are intuitive. The KWB Classicfire comes standard with a connection option for a pellet module (pellet flange), which enables a simple upgrade to a combination boiler at a later point in time.



INCREASED CONVENIENCE

The automatic heat exchanger cleaning reduces cleaning expenditures.

Less fuel consumption

thanks to a speed-controlled induced draught fan. The KWB Classicfire control detects automatically whether there is sufficient heat in the system and throttles the speed of the fan, if required, thereby reducing the boiler output down to 50%. This saves fuel and money.

Efficient combustion

The broadband lambda probe ensures continuous monitoring and optimal control of the combustion. You thereby benefit from low fuel consumption and high operating safety.

Automatic ignition

ensures that the boiler ignites automatically as soon as the system requires heat. The set room and hot water temperatures remain continuously stable.

Low emissions

due to the high-temperature vortex combustion chamber in which the wood gas is burned at high temperatures almost without residue. The concrete stone is divided into 8 components. If replacement is needed, it is possible to replace individual components.



To find out more about the combustion technology – scan the QR code or visit the KWB YouTube channel.



Quick heat

thanks to the quick-charge valve which ensures that only the upper part of the associated buffer storage tank is charged with hot water. The hot water can then be quickly transmitted to the various heat consumers.

Dual operation

by the KWB Comfort 4 control system via colour touchscreen display or, alternatively, the proven dial. The use of the dial is particularly recommended if the control is operated when wearing working gloves, such as right after refilling with wood logs. The control device is installed so that it is never exposed to the heat even if the combustion chamber door is opened.



Large fill room

The 185-litre fill room of the KWB Classicfire 2 can be filled with 1/2-metre logs or 1/3-metre logs. The KWB Classicfire 1.5 has a smaller fill room and is suitable for smaller buffer storage tanks. An integrated installation protection always ensures the perfect underpressure in the fill room.



PRACTICAL FILL LEVEL INDICATOR

by the KWB Comfort 4 control, which indicates how much fuel needs to be refilled for efficient operation.



OPTIONAL PELLET MODULE

thanks to the pellet flange, which comes standard, it is possible to upgrade to a combination boiler at any time.



ONLINE CONTROL

via the KWB Comfort Online platform. Using this platform, the boiler can be easily ignited and controlled remotely from a smartphone, tablet or PC.

MAXIMUM SPACE UTILIZATION

thanks to the optimal utilization of the storage volume without inclined floor (with KWB Stirrer Plus).

OPTIMAL ALIGNMENT

of combustion systems through shared use of a heat exchanger.

OPTIMUM CONDITION

The firewood must be air-dry (with a moisture content between 15% and 25%). Preferably, half-metre logs with a medium diameter of 10 cm should be used.

FULLY AUTOMATIC SWITCHING

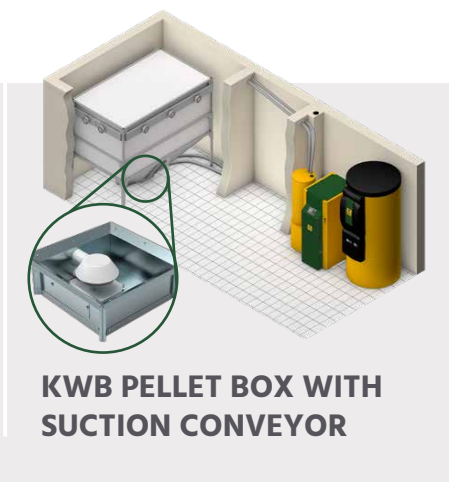
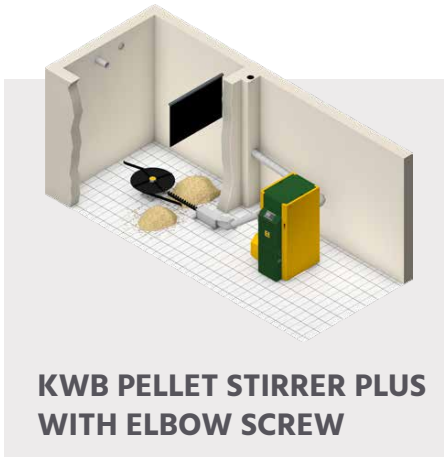
FLEXIBLE HEATING WITH LOG WOOD OR PELLETS

The KWB Classicfire log wood heating system is equipped with a pellet flange on its left side. As a result, the log wood heating system can be easily upgraded to a combination heating system. And this even many years later. With the KWB Combifire you can heat either with logs or with pellets. The pellet and log wood combustion chambers are separate from each other as each fuel has different requirements to the combustion chamber to ensure a really efficient combustion. If no log wood is refilled, the boiler automatically switches to pellet operation. This way, you are able to take longer vacations and can still have a continuously warm house.



CUSTOMIZED SOLUTIONS

CONVEYOR SYSTEMS FOR KWB COMBIFIRE



KWB COMBIFIRE

FLEXIBLE AND SAFE HEATING

- ✓ Automatic switching between log wood and pellets
- ✓ Emptying ash is convenient and clean
- ✓ Operation and control of the system remotely

The KWB Combifire log wood and pellet heating system combines the combustion systems for two fuel types in one efficient and optimized unified system with one shared heat exchanger. With a boiler output of 18 – 38 kW (log wood operation) and 22 – 35 kW (pellet operation), the KWB Combifire is suitable for all who love to get personally involved when heating with wood, but also do not want to forgo the convenience of an automatic pellet heating system. It reliably supplies single-family and multi-family houses and agricultural businesses with heat. The daily ash removal is a thing of the past. The boiler can be ignited and controlled remotely.



CLEAN COMBUSTION TECHNOLOGY

The 40,000 times proven, cast and stainless steel under-feed burner ensures a stable ember bed and combustion. The pellets are carefully pushed up onto the burner plate from below. They fully burn out and no additional dust is stirred up.

Low maintenance expenditures

due to the automatic heat exchanger cleaning.

Large fill room

The 185-litre fill room of the KWB Classicfire 2 can be filled with 1/2-metre logs or 1/3-metre logs. The KWB Classicfire 1.5 has a smaller fill room and is suitable for smaller buffer storage tanks. An integrated installation protection always ensures the perfect underpressure in the fill room.

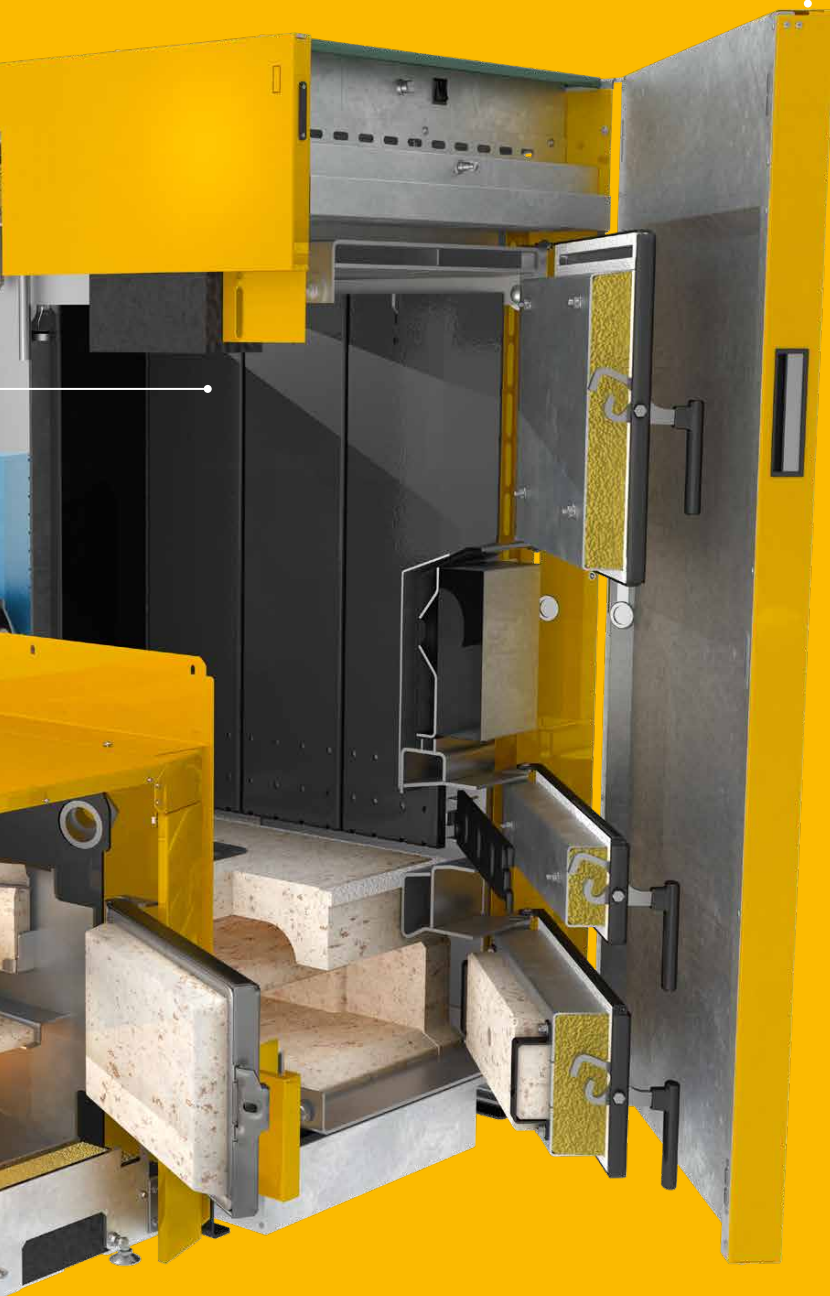
Maximum flexibility

thanks to various pellet conveyance systems.



Dual operation

by the KWB Comfort 4 control system via colour touch-screen display or, alternatively, the proven dial. The use of the dial is particularly recommended if the control is operated when wearing working gloves, such as right after refilling with wood logs. The control device is installed so that it is never exposed to the heat even if the combustion chamber door is opened.



More efficiency

thanks to a water-jacketed pellet burner.



PRACTICAL PELLET MODULE

The system automatically switches between log wood and pellets. 2 independent combustion systems use 1 shared heat exchanger.



CONVENIENT HEAT-UP

thanks to the optional automatic ignition with configurable ignition times even remotely.



CONVENIENT MOVABLE ASH CONTAINER PELLET MODULE

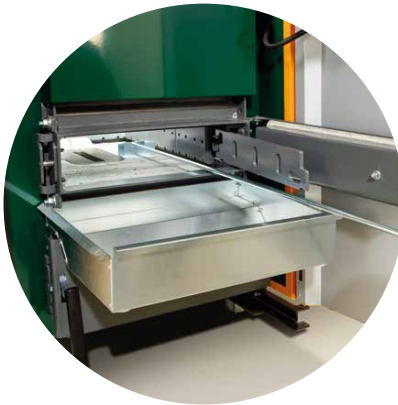
Only the ash bin needs to be emptied between the recommended annual service intervals. This becomes necessary after using up approx. 6 tons of pellets and is conveniently done in a movable ash container.

CLEAN AND EFFICIENT

ASH EMPTYING MADE EASY

CONVENIENT ASH REMOVAL

With the KWB Combifire, the daily emptying of the ash container is a thing of the past. Because the boiler burns the fuel so cleanly and efficiently, there is very little ash left over. As a result, the boiler only requires cleaning every 10 days. For this purpose, an ash tray is hooked in under the stoking door in front (cleaning is possible fully from the front) and is stored under the boiler after cleaning. The movable ash box of the pellet module, on the other hand, only needs cleaning once or twice per year.



AUTOMATIC HEAT EXCHANGER CLEANING

The KWB Combifire combines the burner systems for two fuel types in an efficient and optimized comprehensive system with a shared heat exchanger. Thanks to the automatic heat exchanger cleaning, as a customer you can be sure that the degree of efficiency of your heating remains continuously high during service intervals.



EASY OPERATION

EASY AND FLEXIBLE CONTROL

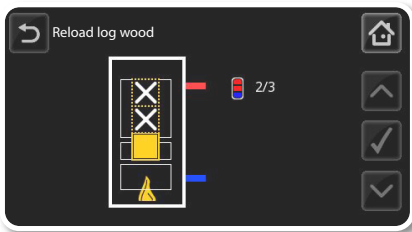
The KWB Comfort 4 control system offers dual operating options with a colour touchscreen and an intuitive dial.



- ✓ Practical refill display
- ✓ Automatic ignition
- ✓ Individual time program

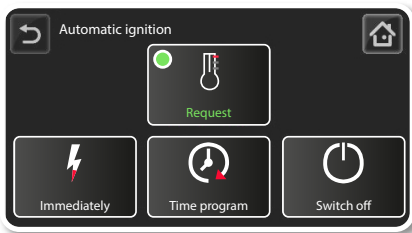
Furthermore, it is ready for the link to the **KWB Comfort Online** platform.

KWB COMFORT 4 CONTROL SYSTEM



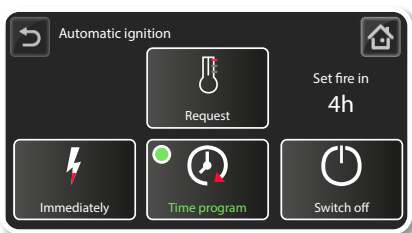
SAVE ON FUEL AND COSTS

The practical **refilling display** of the KWB Comfort 4 will always display how much log wood you need to add to efficiently operate your system! As soon as the door for refilling the log wood is opened, the pellet module will stop operating. The combination boiler automatically takes care of switching between fuels in an optimized manner, which saves fuel and thus costs!



COMFORTABLE CONSISTENT HEAT

The setting **request** of the KWB Comfort 4 ensures that your log wood boiler will automatically ignite as soon as the system requires heat. The room and hot water temperatures you have specified will thus be continuously kept at the required level.



HEATING WITH HIGHEST EFFICIENCY

An individual **time program** is highly convenient, particularly when you need to efficiently bridge the times when you are away from home. The KWB Comfort 4 ensures the optimal charging of the buffer storage tank both in log wood and in pellet operation.

SECURE REMOTE-CONTROLLED HEATING

Even more convenience and operating safety is guaranteed by the online platform KWB Comfort Online. With this platform, the boiler can be easily remotely ignited, controlled and maintained from a smartphone, tablet or PC. Check on the operating status of your heating, control heating times and temperatures and receive messages and status changes via SMS or email. After a holiday, ignite the boiler while on your way home. If desired, you can also provide third parties with (temporary) individual access to your systems, such as your heating installer or KWB Customer Service.

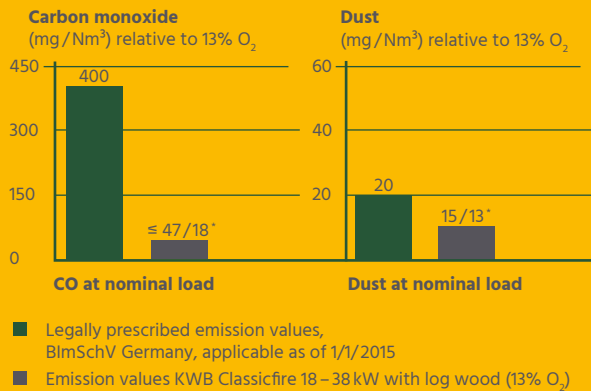


CLEAN COMBUSTION

CLEAN EFFICIENCY-TECHNOLOGY

The cleanEfficiency label indicates lowest emission values, highest efficiency and low energy consumption as well as a perfect alignment of construction and control elements.

EMISSION VALUES AT NOMINAL LOAD



* Log wood operation / pellet operation

More buffer volume, more convenience

With a log wood boiler, a KWB storage tank system must be used. A higher buffer storage tank volume requires less frequent heating up of the boiler. This increases convenience especially during transition times.

Recommended storage volume

Optimal: 16 litre buffer tank per litre fill room

Minimum: 10 litre buffer storage tank per litre fill room

Please observe country-specific guidelines and subsidy requirements for the needed storage volume.

DIMENSIONS FOR BOILER TRANSPORT AND PLACEMENT

KWB Classicfire 2 / KWB Combifire	Boiler can be dismantled into 3 parts
Conditioned as delivered	750 x 1,600
Without casing, dismantled	750 x 1,000
With casing and cleaning lever	800 x 1,600

TECHNICAL DATA

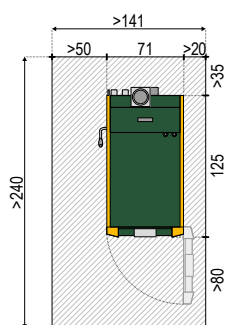
CF1.5 CF2 27.07.2020	Unit	CF1.5 18	CF1.5 28	CF1.5 32	CF1.5 38	CF2 18	CF2 28	CF2 32	CF2 38	
		Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	Log wood/Pellets	
Rated power	kW	18,3/22,0	28,6/30,0	31,9/30,0	38/35,0	18,3/22,0	28,6/30,0	31,9/30,0	38,0/35,0	
Partial load	kW	14,3/6,6	14,3/9,0	14,2/9,6	14,2/10,5	14,3/6,6	14,3/9,0	14,2/9,6	14,2/10,5	
Boiler efficiency at rated power	%	93,4/93,0	92,4/92,0	92,4/92	91,8/91,4	93,4/93,0	92,4/92,0	92,4/92	91,8/91,4	
Boiler efficiency at partial load	%	93,0/90,9	93,0/91,0	93/91,0	93,0/91,0	93,0/90,9	93,0/91,0	93/91,0	93,0/91,0	
Boiler class according to EN 303-5:2012	-	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	
EU Energylabel	-	A+	A+	A+	A+	A+	A+	A+	A+	
Water side										
Buffer tank required	-	✓	✓	✓	✓	✓	✓	✓	✓	
Minimum usable buffer tank volume	l	1500	1500	1500	1500	1800	1800	1800	1800	
Recommended usable buffer tank volume	l	1800	1800	1800	1800	2500	2500	2500	2500	
Exhaust-gas side (data for										
Chimney connection height	mm	1590	1590	1590	1590	1590	1590	1590	1590	
Exhaust-gas connection diameter	mm	150	150	150	150	150	150	150	150	
Required draft at rated power/partial load	mbar	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	
		0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	
Fill chamber										
Fill chamber volume	l	160,8	160,8	160,8	160,8	183,8	183,8	183,8	183,8	
Width of fill doors	mm	440	440	440	440	440	440	440	440	
Height of fill doors	mm	364	364	364	364	364	364	364	364	
Fuel										
Permissible fuels: log-wood (L50, M25 acc. to EN 17225-5)	-	✓	✓	✓	✓	✓	✓	✓	✓	
Electrical system										
Connection	-	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A	
Weights										
Total weight (without/with pellet module)	kg	722/855	722/855	722/855	722/855	719/852	719/852	719/852	719/852	



Product data sheet with detailed technical data: Scan QR code or download from our website under product pages.

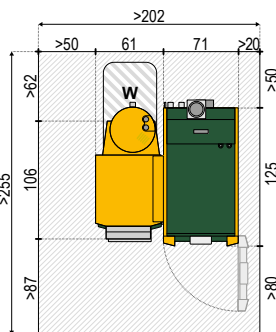
LOW SPACE REQUIREMENTS

FOR KWB CLASSICFIRE + KWB COMBIFIRE



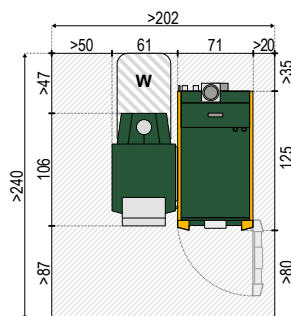
KWB CLASSICFIRE*

Heating room size from 2.3m²



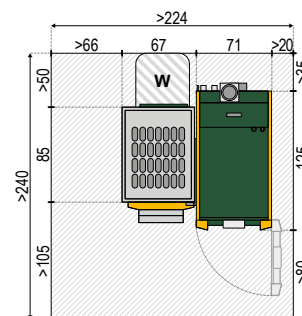
KWB COMBIFIRE with suction conveyor

Reference value: Heating room size approx. 5.2m²



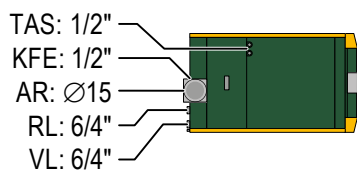
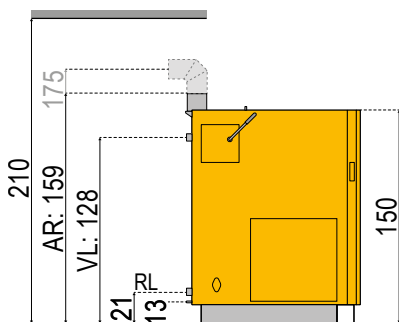
KWB COMBIFIRE with elbow screw

Reference value: Heating room size approx. 4.8m²

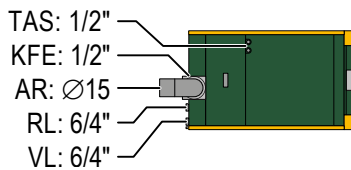
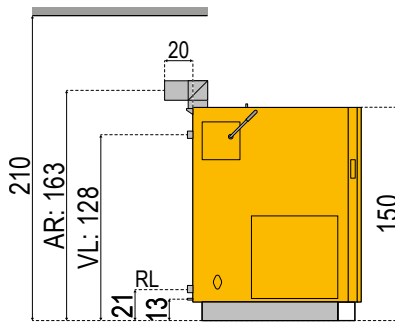


KWB COMBIFIRE with storage container

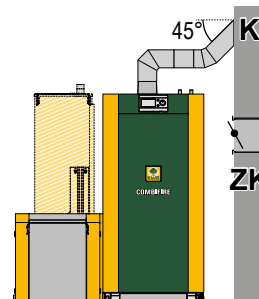
The heating should be placed on one side with a distance of at least 50 cm to the wall to ensure easy access to the heating system connection and for maintenance work.
* For a subsequent retrofitting of the pellet module, please calculate additional 61 cm on the left boiler side (pellet flange) of the KWB Classicfire.



KWB CLASSICFIRE / KWB COMBIFIRE standard models



KWB CLASSICFIRE / KWB COMBIFIRE with exhaust pipe connection 90° to the rear



Legend	
EP	Exhaust pipe Ø 150 mm (bend 90° optionally available)
BFE	Filling and emptying 1/2"
W	Space requirements for the pellet burner including clearance for maintenance
RF	Connection return flow 6/4"

Legend	
TDV	Thermal discharge safety valve feed and discharge 1/2"
FF	Connection forward flow 6/4"
C	Chimney
ZK	Energy-saving damper with explosion door

All dimensions in cm | Width x Height | Distances stated are minimum!
Note: You will find detailed technical specifications on our website's product pages.



* 2 1 - 2 0 0 2 3 2 0 *

Produktinfo KWB Classicfire 2 20 EN
Index 0 | 2020-09

Subject to changes as well as
type and printing errors.

CONTACT US

SCOTLAND	+44 1330 826 504	info@originalheating.com
NORTH ENGLAND	+44 1524 784 323	care@sustaburn.co.uk
CENTRAL ENGLAND & WALES	+44 1162 604 050	info@ashwellbiomass.com
SOUTH ENGLAND	+44 1271 372 888	info@optimumheating.co.uk
IRELAND AND NORTHERN IRELAND	+44 2871 353 108	info@originalheating.com
NORWAY	+47 69 22 70 60	post@hr-maskin.no
SWEDEN	+46 498 201750	info@gotfire.se
FINLAND	+358 9 50991	info.technics.fi@algol.fi
ESTLAND	+372 50 96 234	mati@heatpower.ee
JAPAN	+81 3 4405 8088	info@wbenergy.co.jp