



Product information

**KWB EASYFIRE**

Pellet heating system

*We provide  
energy  
for life!*



**KWB EASYFIRE**

**Pellet heating systems 2.4 – 35 kW**

*Easy and clean heating*

clean<sup>+</sup> **EFFICIENCY**  
Combustion technology

# Biomass is best!

*Four good reasons why you should use biomass as a renewable power source.*



**Save on heating costs**



**Security of supply**



**Protecting the climate**



**Creates local jobs**

# Valuable partnership



**Erwin Stubenschrott**  
KWB Management

*More than 2,000 installers and more than 70,000 customers put their trust in us by deciding to purchase a KWB biomass system. We regard this as a Partnership with KWB and this "valuable asset" is an integral component of our company philosophy and the basis of our business relationships. In addition, KWB focuses on customers, reliability and importantly our responsibility for our environment and future generations. This is my personal guarantee!*

**"Good friends recommended KWB to us, which made us trust them immediately!"**

*The Appls from Augsburg*



**"I quickly found the ideal heating solution for my home."**

*Mr. Gartner from Kirchbach*



# Our uniqueness sets us apart

## *KWB PELLET STIRRER PLUS*

*There are many fully automated ways to keep your KWB pellet heating system supplied with fuel. The KWB pellet stirrer plus is a convenient and reliable option that is suitable for most storage rooms.*



### **Reliable technology**

Thanks to a robust got flexible conveyor shaft.

### **Entire room used**

Thanks to the flat base design giving maximum storage capacity.



# Dual operation

## *EASY AND FLEXIBLE CONTROL*



*The new KWB Comfort 4 heating control system with dual control permits a customised and cost-optimised heat supply as well as the convenient operation of your heating system.*

# Easy operation

## *EASY AND CLEAN HEATING*

*Ideal for customers that want a fully automated and easy to use heating system: The KWB Easyfire pellet heating system is almost as convenient as an oil or gas heating system, but it is also sustainable because it uses wood, a renewable resource. The ash container can be easily and conveniently emptied out after using approximately 6 tons of pellets. Depending on system size, this means an ash-emptying interval of up to 2 years.*

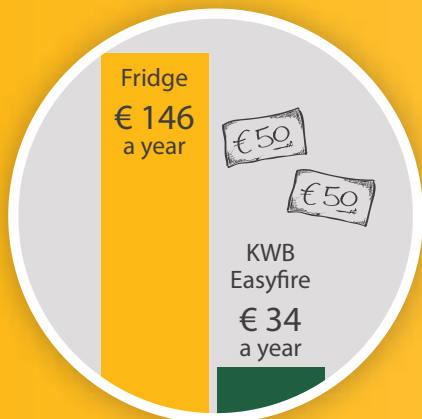


# Easy and clean heating

Thanks to CleanEfficiency Technology, the **KWB Easyfire wood pellet heating system** is a milestone on the path towards an emission-free heating technology. The KWB Easyfire pellet heating system also sets a new benchmark for easy heating.



You can find more information regarding the combustion technology on [www.youtube.com/biomasseheizungen](http://www.youtube.com/biomasseheizungen)



## Low energy costs

The KWB Easyfire pellet heating system energy consumption was reduced to a minimum – which saves money.<sup>1</sup>



## Convenient emptying of ash

The ash is automatically removed into a dedicated ash container – The comfort version offers a movable ash container with an extendible handle.

## Cleanest combustion

Thanks to the broadband lambda probe

## Easy heat exchange

Due to integrated return flow temperature boost – which saves on additional installation costs

## High convenience

Thanks to an automatic heat exchanger cleaning – which eliminates cleaning between service intervals



## Long service life

Thanks to state-of-the-art components such as industrial-quality motors



### Low fuel consumption

Due to an optimal heat exchange with highly efficient turbulators

### Low maintenance

Thanks to a fully self-cleaning system between service intervals

### Lowest emissions

Due to a dust separator with cyclone effect



### Dual operation

The KWB Comfort 4 Control, with the tried and tested control dial and touch screen display, permits flexible control – and even remote control.



### Clean combustion

The 40,000 times proven under-feed burner ensures a stable ember bed and clean combustion.

<sup>1</sup> Source: Annual power consumption statistic Austria; model for electricity usage in private households in Austria broken down by use, Vienna 2014. The calculation is based on an average electricity price of 19 cents / kWh.

# Customised solutions

## KWB CONVEYOR SYSTEMS



**Pellet Stirrer Plus  
with elbow screw**



**Conveyor screw  
with elbow screw**



**KWB Pellet Big Bag  
with elbow screw**



**Pellet Stirrer Plus  
with suction conveyor**



**Conveyor screw  
with suction conveyor**



**KWB Pellet Big Bag  
with suction conveyor**



**KWB storage container  
300l**



**KWB sample probes  
with suction conveyor**



**KWB Pellet Box  
with suction conveyor**

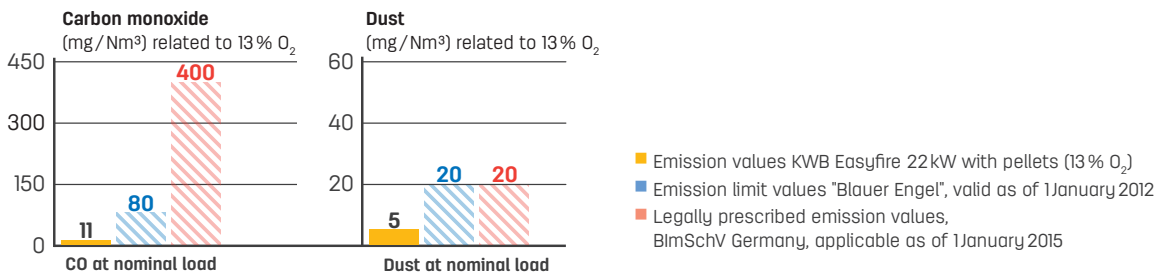


# Clean combustion

## clean<sup>+</sup> EFFICIENCY – TECHNOLOGY

The cleanEfficiency chart shows that we have the 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



#### Quick heat and more efficiency

The use of a KWB thermal storage system is only required if the nominal boiler load is 20% greater than the average building heating load. This will not only allow you to run your heating cleaner and more efficiently, you will also be able to have heat available quickly when needed.

#### Easy thermal storage tank size calculations:

30 litre storage volume / kW nominal boiler load.

# Technical specifications

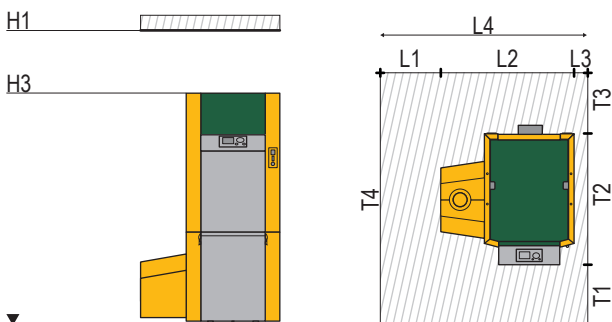
EF2 S / EF2 GS / EF2 V (16.12.2015)	Unit	8	12	15	22	25	30	35 (IT)	35
Rated power	kW	8,0	12,0	15,0	22,0	25,0	30,0	33,0	34,9
Partial load	kW	2,4	3,5	4,4	6,4	7,3	8,7	9,5	10,1
Boiler efficiency at rated power	%	92,4	94,0	94,3	95,0	95,2	95,4	95,6	95,7
Boiler efficiency at partial load	%	91,4	89,4	90,0	91,5	92,4	93,8	94,7	95,3
Boiler class according to EN 303-5:2012	-	5	5	5	5	5	5	5	5
<b>Exhaust-gas side</b>									
Exhaust-gas connection height boiler side	mm	750	750	860	860	1050	1050	1050	1050
Exhaust-gas pipe diameter	mm	130	130	130	130	150	150	150	150
<b>Ash</b>									
Ash container volume	l	28	28	28	28	28	28	28	28
<b>Electrical system</b>									
Connection: CEE 3-pole	-	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A
<b>Suction conveyor type EF2 GS</b>									
Max. suction length	m	25	25	25	25	25	25	25	25
Max. suction head	m	5	5	5	5	5	5	5	5
Contents storage container for type EF2 GS	l	42	42	67	67	90	90	90	90
<b>Weights</b>									
Boiler weight EF2 S	kg	326	326	352	352	394	394	394	394

**Note:** You will find detailed technical specifications on our website's KWB Easyfire product pages.

# Low space requirements

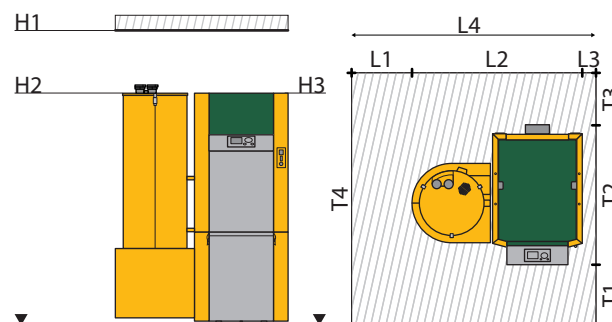
The KWB Easyfire pellet heating system can be placed directly in room corners for optimal space utilization.

## Type EF2 S



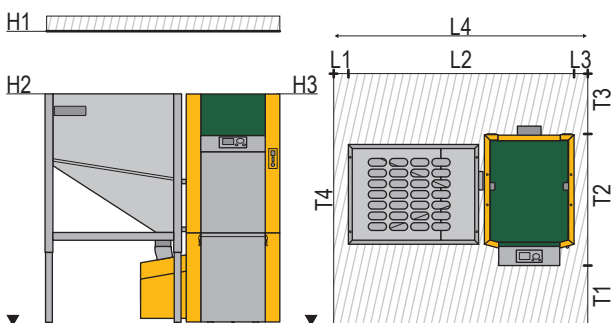
Heating room size 2.3m<sup>2</sup>  
Storage room size from 6 m<sup>3</sup> (8 kW) to 26m<sup>3</sup> (35 kW)

## Type EF2 GS



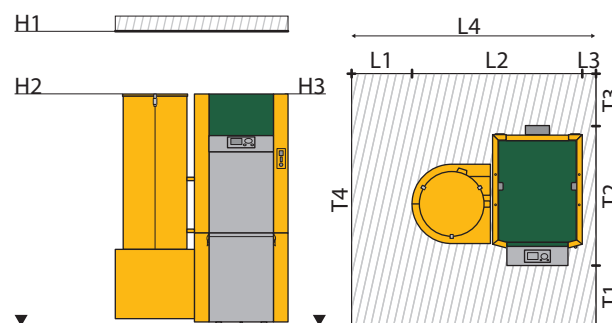
Heating room size 2.6m<sup>2</sup>  
Storage room size from 6 m<sup>3</sup> (8 kW) to 26m<sup>3</sup> (35 kW)

## Type EF2 S+300



Heating room size 2.8m<sup>2</sup>  
No additional storage room required!

## Type EF2 V



Heating room size 2.6m<sup>2</sup>  
No additional storage room required!

Position in drawing	EF2 8–12 kW				EF2 15–22 kW				EF2 25–35 kW			
	S	GS	V	S+300	S	GS	V	S+300	S	GS	V	S+300
H1	165	165	165	165	195	195	195	195	230	230	230	230
H2	–	126	146	146	–	146	146	146	–	164	146	146
H3	126	126	146	126	146	146	146	146	164	164	146	164
L1	40	40	40	10	40	40	40	10	40	40	40	10
L2	88	106	106	148	88	106	106	148	88	106	106	148
L3	10	10	10	10	10	10	10	10	10	10	10	10
L4	>138	>156	>156	>168	>138	>156	>156	>168	>138	>156	>156	>168
T1	40	40	40	40	40	40	40	40	40	40	40	40
T2	93	93	93	93	93	93	93	93	93	93	93	93
T3	40	40	40	40	40	40	40	40	40	40	40	40
T4	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167

S KWB Easyfire type EF2 S: screw conveyor system  
GS KWB Easyfire type EF2 GS: suction conveyor system

V KWB Easyfire type EF2 V: storage container 107 litres  
S+300 KWB Easyfire type EF2 S with storage container 300 litres

An unobstructed door width of 70×180 cm is sufficient for all boiler types to be able to transport KWB Easyfire components into the respective room.

Information regarding the hydraulics requirements can be downloaded at our Websites.



# Clear and simple assembly

## *KWB'S MODULAR ASSEMBLY 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 assembly system**.*



**You can schedule less time** because your technician can move the heating system into the heating room more quickly.



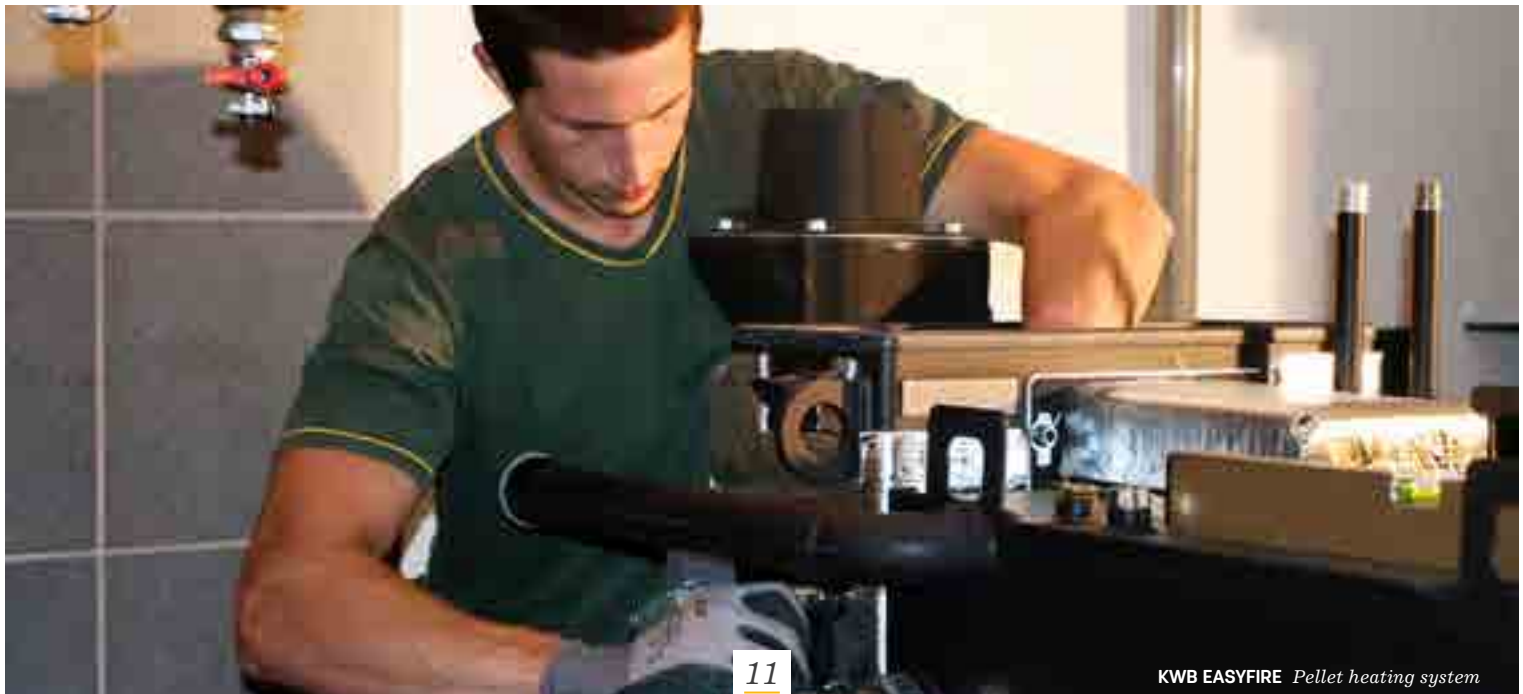
**Simplified construction site coordination,** since your technician does not require expensive installation aids.



**The reduced weight of the individual pieces** makes them less likely to scratch any surfaces thereby preserving and protecting the space.



KWB Easyfire – boiler can be dismantled into 2 parts



KWB partners

# AVAILABLE ON-SITE

Your KWB Partner will be happy to help you if you have any questions or other requests. If you would like to contact KWB directly, you will find your local contacts here. We look forward to hearing from you!



Scotland	+44 1330 826 504	www.kwb-heating.co.uk	info@originalheating.com
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Central England and Wales	+44 1162 604 050	www.kwb-heating.co.uk	info@ashwellbiomass.com
South England	+44 1271 372 888	www.kwb-heating.co.uk	info@optimumheating.co.uk
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Canada	+1 450 6 411 344	www.kwb-canada.ca	info@esimsolutions.ca
Japan	+81 3 4405 8088	www.kwb.net	info@wbenergy.co.jp



Interested party

.....  
first name, last name\*

.....  
No./street name\*

.....  
Postal code/town/city\*

.....  
Tel./Mobile\*                      E-mail

Sender (your address)

.....  
first name, last name\*

.....  
No./street name\*

.....  
Postal code/town/city\*

.....  
Tel./Mobile\*                      E-mail

\* mandatory field

Porto zahlt  
KWB gerne!

## ANTWORTSENDUNG

KWB Die Biomasseheizung  
Industriestrasse 235  
8321 St. Margarethen/Raab  
AUSTRIA

Your information will not be disclosed to third parties, but may be used for internal information purposes.

## RECOMMEND US!

According to a recent customer survey, **97%** of all KWB customers recommend KWB and its products to others.

PI Easyfire2 EF2 2016 EN  
Index 0

As at: February 2016, Subject to changes and to type and printing errors.

