

# CATALOGUE

PELLET/WOOD or DUAL FUEL STOVES,  
HYDRO STOVES and BOILERS



**Schuster®**

# schuster®



The perfect balance of natural biomass combustion results in very low emissions, ensuring high energy savings and maximum comfort. This is the best answer to using the sustainable and renewable energy of wood and pellets, preserving our planet, in harmony with nature.

Thanks to the sophisticated design and construction technology of the bodies, as well as the special combustion systems of Schuster products, we have obtained the highest and most prestigious environmental certification, 7 stars according to Flamme Verte.

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# BIOENERGY IS RENEWABILITY

## Low environmental impact and environmentally friendly products

Industrial production has always had a very important impact on the planet, whether we are talking about production processes or products.

Producing boilers and stoves, as well as automotive or various machinery, means having an additional responsibility, it means having an ethical approach starting from the design and ending with the disposal of the product.

Finding solutions that integrate the search for increasingly eco-friendly and low environmental impact products with everyday well-being, ease of use, advanced technology, and appealing aesthetics, is an integral part of our mission, as is raising public and industry awareness towards an increasingly active awareness.

For this reason, we also ask our customers to install, supply and maintain the products in a suitable manner, especially following the regulations, and to use them with care and respect for the environment, just as we are committed to follow targeted production rules that have a low impact on the land, people and the ecosystem.

Renewability means intelligent use of resources; on this planet, often suffering from waste, in addition to seeking new solutions, pursuing cutting-edge technology, promoting renewable energy sources, reducing emissions, it is important the upkeep and the separate collection of the recyclables for ethical savings.

The aim of Schuster products is, in line with the requirements of the most restrictive European standards, to help protect the environment as much as possible, to reduce combustion emissions to zero, thus making heating with biomass fuels (wood, pellets, etc.) ever more environmentally friendly, as well as safe and with maximum user comfort.

The term biomass denotes all those materials of organic/vegetal origin that, unlike hydrocarbons, have not undergone fossilisation processes (unlike oil, coal or methane gas).

## Why burn wood (or wood derivatives) and thus trees and plants, instead of other fossil fuels?

Simple, nature itself shows us how it is possible to keep our system in balance.

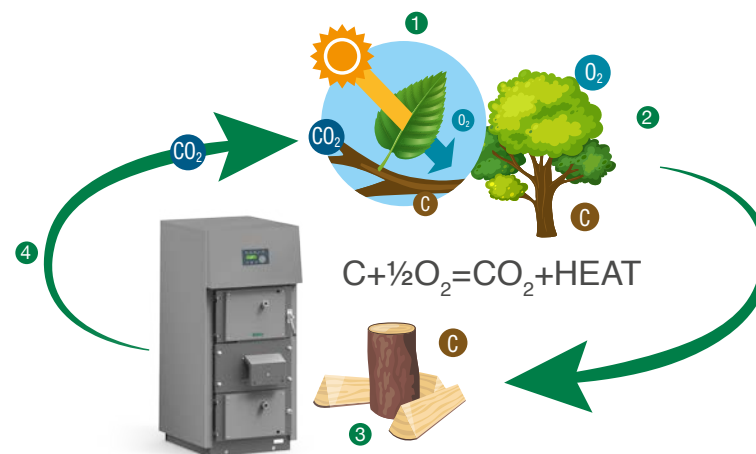
In fact, thanks to the mechanism of chlorophyll photosynthesis the sun and plants provide the air we breathe with the right proportion of oxygen. Plants absorb carbon dioxide from the atmosphere (1), thus recovering carbon, which is necessary for their growth, and, at the same time, release oxygen, which is indispensable to our life and that of the planet (2).

During proper combustion, the carbon in the wood (3), combined with the oxygen in the air, produces the exact amount of carbon dioxide that was absorbed by the tree in its life cycle (4).

While fossil fuels are subject to depletion, wood, pellets and other wood derivatives represent a renewable source of energy.

Therefore, installing a Schuster appliance running on pellets, wood or dual-fuel is an “eco-friendly”, responsible choice towards our planet, while guaranteeing maximum comfort.

## THE CYCLE OF NATURE



- 1 Chlorophyll photosynthesis: leaves absorb carbon dioxide from the atmosphere.
- 2 They recover carbon, their nourishment to live and grow, producing oxygen.
- 3 Wood from trees is therefore a product of photosynthesis and is composed of carbon.
- 4 By burning wood (or derivatives) in the combustion chamber, the carbon combines

with oxygen and, due to the double combustion, releases the same amount of carbon dioxide that the tree had removed from the atmosphere to produce the wood.

- 5 The CO<sub>2</sub> released through the chimney is equal to the CO<sub>2</sub> absorbed by the plant. This is why it can be defined as “zero environmental impact”.

# REGULATIONS AND CERTIFICATIONS

The regulation will be mandatory and will have to be directly applied by each of the EU Member States from:

**ECO  
DESIGN  
2020**

- **1 January 2020**  
for biomass boilers  
(EU Regulation 2015/1189)

**ECO  
DESIGN  
2022**

- **1 January 2022**  
for domestic biomass appliances:  
stoves, fireplaces and cookers  
(EU Regulation 2015/1185).

The ECODESIGN regulation governs the requirements and implementing rules for Directive 2009/125/EC of the European Parliament and of the Council of the European Union on eco-design criteria for biomass appliances.

The aim of the regulation is to improve the environmental performance of new biomass heat generators, which is why, as of its entry into force, only appliances that meet the efficiency and emission requirements can be marketed.

## Product certifications

Schuster devices are submitted to independent bodies for evaluation according to the strictest European laws. They then certify their high efficiency and low emissions, as required by various national and regional laws.



Mark of conformity  
to European standards

**EN 14785  
(EN 16510)**

European Reference Standard  
for pellet stoves

**EN 13240  
(EN 16510)**

European Reference Standard  
for wood stoves

**EN 13229  
(EN 16510)**

European Reference Standard  
for inserts and fireplaces

**EN 303.5**

European Reference Standard  
for boilers and solid fuels

## Energy label

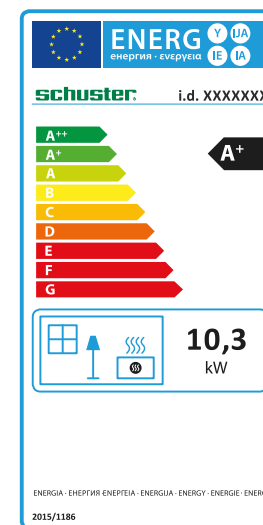
The European Energy Label provides consumers with accurate information on the energy consumption and performance of stoves, hydro stoves, cookers and boilers, both wood and pellet-fired.

Schuster appliances are designed and manufactured with a focus on energy saving, reaching and far exceeding Class A for most products.

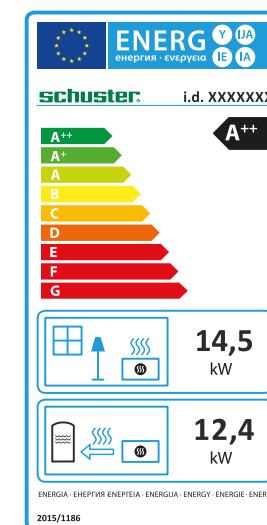
As with household appliances, thanks to the Energy Label, the consumer can identify the energy characteristics of the product, such as:

- The name or trademark of the supplier and the model identifier;
- the energy efficiency class of the appliance, according to a scale from G to A+++;
- the direct heat output of the appliance, i.e. the rated output, expressed in kW.

### Example of STOVE energy label



### Example of HYDRO STOVE energy label



# Technology & Comfort



## **Quartz ignition resistance.**

The material used for our ignition resistance allows for significantly faster ignition compared to other traditional resistances. Low energy consumption is not the only advantage, as quartz is also known for its robustness and durability.



## **Concentric outlet 80/130 mm, upper.**

The models with a higher combustion product evacuation mouth offer a certain advantage thanks to their ease of installation, as the base of the duct is already integrated into the device. They also save space, significantly limiting the footprint of the device in the room in which they are installed.



## **Self-cleaning burner.**

This technological device, patented by Schuster, limits periodic maintenance interventions. The stove performs a cleaning cycle during and after each operation. This system also allows for safe operation without possible anomalies related to excessive clogging of the burner.



## **Sealed combustion chamber.**

Designed to prevent any emanation of combustion products into the stove environment. Fully insulated, the waterproof stove guarantees a high level of operational safety whatever the quality of the environment.



## **"NIGHT VIEW" fireplace door glass.**

Doors equipped with NIGHT VIEW glass offer a very particular style. Opaque during the shutdown phases, it becomes translucent when a flame appears. NIGHT VIEW glass allows you to elegantly enjoy the best aspects of your stove.



## **Forced ventilation.**

Equipped with tangential fans that have the particularity of ensuring a significant flow of air with low energy consumption and lower noise than other types of fans. Forced ventilation stoves allow you to quickly reach the comfort temperature of your home, even when the environment is cold.



## **"Silence" function.**

The Silence function allows you to stop the operation of the tangential fans. The main advantage of this function is to improve the acoustic comfort of your stove. You can also opt for the Silence mode to obtain a more gradual increase in the temperature of your room or simply to maintain the comfort temperature.



## **Ductable version.**

The hot air channeling through an additional dedicated fan allows you to heat a large room more efficiently or optimize the use of your stove by heating rooms adjacent to the one where the appliance is located.



## **Power modulation.**

Schuster pellet stoves are equipped with a very advanced electronic management system that offers great flexibility of use. Thanks to the power modulation and the variation of the fan speed, the device will easily adapt to your comfort needs.



## **Room remote control.**

With the remote control, your stove obeys your finger and your eye. At your fingertips, control the operating parameters of your device from your sofa. With an integrated room sensor, place the remote control in the heating area for a more precise reading of the temperature, thus improving comfort and generating greater fuel savings.



## **Weekly/daily programming.**

Our devices have programming of operating times. You can adjust the desired level of comfort according to your pace of life.



## **Room sensor.**

Combined with a ducted stove, it improves your comfort and generates fuel savings by controlling the temperature of the rooms heated by your stove.

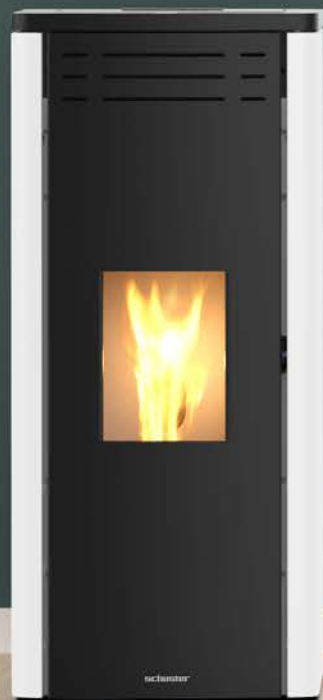


## **U-in Wi-Fi system.**

Standard on models with this logo, the U-in system allows you to view the room temperature at any time, wherever you are, and control your device to adjust its operating mode.







U-in is the device that, by connecting the stove with your home Wi-Fi network, allows you to manage all the services and functions of the product.
















**APP-O BIOEN**, a dedicated APP that allows you to manage all the main functions of the pellet stove remotely via an internet/data connection and using a smartphone or tablet.



[illegible]



Models												 (*)												
	 <b>A+</b>	 <b>7★</b> FLAMME VERTE	IDRA 14	IDRA 18	IDRA 30	IDRA 5S 20	IDRA 5S 24	OLLA MIX pellet	OLLA MIX wood	LILLA O 13	AVA 8	FORMENTERA 15	FORMENTERA 20	FORMENTERA 24	FORMENTERA 28	FORMENTERA 32	MINORCA 2S R20	MINORCA 2S R24	MINORCA 2S R34	OHP 34 pellet	OHP 34 wood	OH S 34	INGE 5 26	
Features	Heat input max (kW)		14,79	18	32,41	20,1	24	12,4	7,6	12,8	9,3	15,9	19	23	27,1	33,2	22	26	33,3	34,06	34,64	34,64	25,6	
	Heat output max (kW)		13,84	17,14	30,48	19,2	22,8	11	6,9	11,4	8													
	Puissance Restituee a l'eau max (kW)		10,53	13,43	24,38	17,4	20,9					14,5	17,51	21	25	31,2	20,5	24,1	30,6	31,08	31,22	31,22	23,1	
	Pellet (P) / Wood (W)		P	P	P	P	P	P / W		W	W	P	P	P	P	P	P	P	P	P / W		W	W	
	Ventilated (V) / Hydro (H) / Natural Convention (N)		H	H + V	H+V	H + V	H + V	V	V	N + V	N	H	H	H	H	H	H	H	H	H	H	H	H	H
	Hermetic																							
Burner	Standard		●	●	●																			
	Automatic cleaning					●	●	●				●	●	●	●	●	●	●						
Crucible	Cast iron		●	●					●	●	●													
	Steel		●			●	●	●				●	●	●	●	●	●	●	●					
Regulation	Integrated Wi-fi		● option	● option	● option	● option	● option	●				● option	● option	● option	● option	● option	● option	● option	● option				● option	
	Touch screen		●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	
	Remote control with room probe																			●	●	●		
Output	Top (mm)								150	150							100	100	100					
	Rear (mm)		80	80	100	80	80	80				80	80	80	100	100				130		130	180	
Ventilation	Ducted (mm)																							
	“Silent” function		●	●	●	●	●	●	●															
Finish	Ceramic																							
	Glass		●	●	●	●	●	●	●	●	●													
	Steel		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

(\*) Not eligible for Flamme Verte 7\* criteria





OLEA		6
ENERGY CLASS		A+
DIMENSIONS (WxDxH)	cm	49x56x110
STOVE WEIGHT	kg	100
HEAT INPUT (min.-max.)	kW	3,2 - 7,2
HEAT OUTPUT (min.-max.)	kW	3,1 - 6,6
EFFICIENCY (@ min.-max.)	%	94,5 - 92,2
MINIMUM CHIMNEY DRAUGHT	Pa	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80
AIR INTAKE DUCT DIAMETER	mm Ø	50
PELLET TANK CAPACITY	kg	22
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,49
Nominal ELECTRICAL ABSORPTION	W	39
ELECTRICAL ABSORPTION during ignition	W	281
HEATABLE VOLUME	m³	175

Steel-clad pellet stove, elegant and modern also thanks to rounded sides and front. Equipped with a blown self-cleaning system that guarantees cleanliness and constant combustion efficiency and a quartz igniter for fast ignition. The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning ceramic glass with dedicated air. The “controlled negative pressure” operation and all installed devices ensure maximum comfort in complete safety.

## PRODUCT PLUS



VENTILATED  
STOVE



CERAMIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



REAR SMOKE  
OUTLET



LITE  
DISPLAY



DAILY /  
WEEKLY  
PROGRAMMING



“SILENT”  
FUNCTION



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



AIR  
IONISER



REMOTE  
CONTROL



Black



White



Burgundy



APP-O BIOEN

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# RHEA S 5★

VENTILATED PELLET STOVE



RHEA S

RHEA		8S	10S
ENERGY CLASS		A+	A+
DIMENSIONS (WxDxH)	cm	45x55x99	45x55x99
STOVE WEIGHT	kg	88	88
HEAT INPUT (min.-max.)	kW	3,2 - 9,0	3,2 - 11,1
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9
MINIMUM CHIMNEY DRAUGHT	Pa	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50
PELLET TANK CAPACITY	kg	16	16
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30
Nominal ELECTRICAL ABSORPTION	W	40	40
ELECTRICAL ABSORPTION during ignition	W	281	281
HEATABLE VOLUME	m³	180	260

Ventilated, versatile and linear pellet stove that adapts to any type of environment. It is configured with the upper smoke outlet and allows you to reduce the distance from the wall, but can be arranged with the rear smoke outlet for maximum versatility during installation.

It is equipped with a steel brazier, silent function that allows you to deactivate the ventilation up to the third power and obtain maximum silence. Rhea is classified 5 stars according to Ministerial Decree 186/2017 combining maximum comfort and respect for the environment.

## PRODUCT PLUS



VENTILATED  
STOVE



CERAMIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



REAR SMOKE  
OUTLET



TOP SMOKE  
OUTLET



TOUCH  
DISPLAY



DAILY /  
WEEKLY  
PROGRAMMING



"SILENT"  
FUNCTION

## OPTIONAL



WI-FI  
U-in



REMOTE  
CONTROL



Black



White



Burgundy



APP-O BIOEN

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# ILDE 5★

VENTILATED PELLET STOVE



ILDE

ILDE		8	10	10C ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100	100
HEAT INPUT (min.-max.)	kW	3,2 - 9,0	3,2 - 11,1	3,2 - 11,1
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9	3,1 - 9,9
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9	94,5 - 88,9
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	22	22	22
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30	0,67 - 2,30
Nominal ELECTRICAL ABSORPTION	W	40	41,6	61,6
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	180	220	220

Steel-clad pellet stove with simple classic lines. Equipped with blown self-cleaning system that guarantees cleaning and constant combustion efficiency. Fast and time-efficient ignition is ensured by the quartz igniter. With the Touch display, all functions can be accessed easily and intuitively. The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning ceramic glass with dedicated air. The “controlled negative pressure” operation and all installed devices ensure maximum comfort in complete safety. The versatility of the ducting system (mod. 10C), allows optimal warmth also in other rooms of the house.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 10C)



CERAMIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



REAR SMOKE  
OUTLET



TOUCH  
DISPLAY



DAILY /  
WEEKLY  
PROGRAMMING



“SILENT”  
FUNCTION



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



AIR  
IONISER



ROOM TEMP.  
PROBE  
(mod. 10C)



REMOTE  
CONTROL



Black



White



Burgundy



APP-O BIOEN

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Google Play



# ZENA 5★

VENTILATED PELLET STOVE



ZENA

ZENA		9	11	11C ducted	13C ducted
ENERGY CLASS		A+	A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100	100	105
HEAT INPUT (min.-max.)	kW	3,2 - 9	3,2 - 11,1	3,2 - 11,1	5,3 - 13,6
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9	3,1 - 9,9	4,9 - 12,2
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9	94,5 - 88,9	93,4 - 89,5
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50	50
PELLET TANK CAPACITY	kg	22	22	22	22
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30	0,67 - 2,30	1,09 - 2,82
Nominal ELECTRICAL ABSORPTION	W	40,1	41,6	91,6	93,4
ELECTRICAL ABSORPTION during ignition	W	281	281	281	281
HEATABLE VOLUME	m³	180	220	220	270

Steel-clad pellet stove, elegant and modern also thanks to rounded sides and front. Equipped with a blown self-cleaning system that guarantees cleanliness and constant combustion efficiency and a quartz igniter for fast ignition. With the hand-held remote control and integrated room sensor, optimum management of room temperature as well as various functions is possible.

The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning ceramic glass with dedicated air. The “controlled negative pressure” operation and all installed devices ensure maximum comfort in complete safety.

The versatility of the ducting system (mod. 11C-13C), allows optimal warmth also in other rooms of the house.

## PRODUCT PLUS



VENTILATED STOVE



DUCTED (mod. 11C-13C)



CERAMIC GLASS



STEEL BRAZIER



POWER MODULATION



REAR SMOKE OUTLET



RADIO CONTROL WITH ROOM PROBE



HERMETIC (mod. 13C)



DAILY / WEEKLY PROGRAMMING



“SILENT” FUNCTION



QUARTZ IGNITER



WI-FI U-in

## OPTIONAL



AIR IONISER



Black



White



Burgundy



APP-O BIOEN

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CLEA		8	10C ducted	15C ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x54x111	49x54x111	49x54x111
STOVE WEIGHT	kg	100	100	100
HEAT INPUT (min.-max.)	kW	3,2 - 9	3,2 - 11,1	5,3 - 15,3
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9	4,9 - 13,6
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9	93,4 - 88,7
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	22	22	22
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30	1,09 - 3,17
Nominal ELECTRICAL ABSORPTION	W	40,1	91,6	94,2
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	180	220	300

A pellet stove with a modern design and ceramic inserts that enhance its elegance and prestige. Side panels in black steel and hearth front door in Night View type glass for a greater scenic effect even when the stove is switched off. Equipped with blown self-cleaning system that guarantees cleaning and constant combustion efficiency. Quartz igniter for quick ignition. With the hand-held remote control and integrated room sensor, optimum management of room temperature as well as various functions is possible. The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning glass with dedicated air. The “controlled negative pressure” operation and all installed devices ensure maximum comfort in complete safety. The versatility of the ducting system (mod. 10C-15C), allows optimal warmth also in other rooms of the house.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 10C-15C)



NIGHT VIEW  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



REAR SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



HERMETIC  
(mod. 15C)



DAILY /  
WEEKLY  
PROGRAMMING



“SILENT”  
FUNCTION



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



AIR  
IONISER



ROOM TEMP.  
PROBE  
(mod. 10C-15C)



Black



White



APP-O BIOEN

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# ADNA S 5★

VENTILATED PELLET STOVE



ADNA

ADNA		8S	10SC ducted	12SC ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	58x59x112	58x59x112	58x59x112
STOVE WEIGHT	kg	120	120	120
HEAT INPUT (min.-max.)	kW	3,2 - 9	3,2 - 11,1	3,2 - 12,1
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9	3,1 - 10,7
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9	94,5 - 88,2
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	20	20	20
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30	0,67 - 2,51
Nominal ELECTRICAL ABSORPTION	W	40,1	91,6	95,2
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	210	260	320

A pellet stove with a circular design and ceramic inserts that enhance its elegance and prestige. Rounded sides in black steel and hearth glass of "Magic" type, beyond the fire door, for a greater scenic effect even when the stove is switched off. Equipped with blown self-cleaning system that guarantees cleaning and constant combustion efficiency. Quartz igniter for quick ignition. With the hand-held remote control and integrated room sensor, optimum management of room temperature as well as various functions is possible. The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning glass with dedicated air. The "controlled negative pressure" operation and all installed devices ensure maximum comfort in complete safety. The versatility of the ducting system (mod. 10C-13C), allows optimal warmth also in other rooms of the house.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 10SC-12SC)



MAGIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



TOP  
FITTING  
130/80



TOP SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



DAILY /  
WEEKLY  
PROGRAMMING



"SILENT"  
FUNCTION



QUARTZ  
IGNITER



HERMETIC



WI-FI  
U-in

## OPTIONAL



ROOM TEMP.  
PROBE  
(mod. 10SC-12SC)



Black



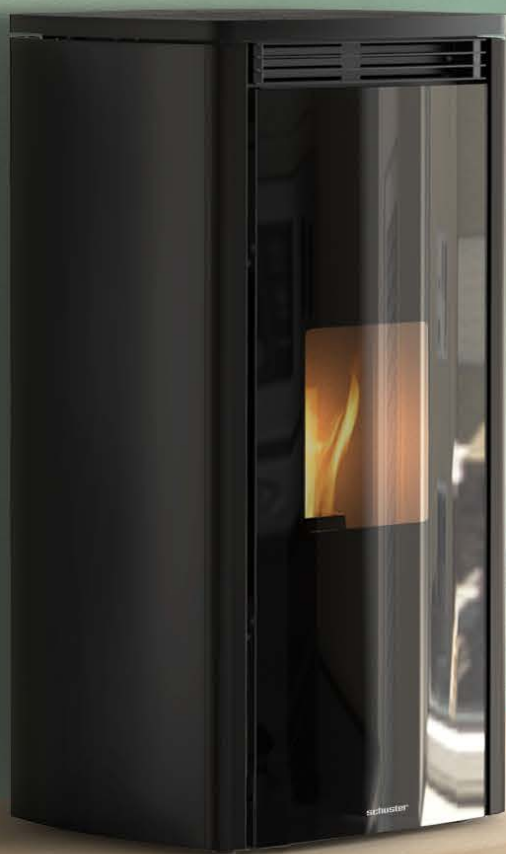
White



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# ZENA V 5★

VENTILATED PELLET STOVE



ZENA V		9	11C ducted	15C ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100	105
HEAT INPUT (min.-max.)	kW	3,2 - 9	3,2 - 11,1	5,3 - 15,3
HEAT OUTPUT (min.-max.)	kW	3,1 - 8,1	3,1 - 9,9	4,9 - 13,6
EFFICIENCY (@ min.-max.)	%	94,5 - 90,7	94,5 - 88,9	93,4 - 88,7
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	22	22	22
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 1,85	0,67 - 2,30	1,09 - 3,17
Nominal ELECTRICAL ABSORPTION	W	40,1	91,6	94,2
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	180	220	300

Pellet stove with modern design and sleek line. Rounded sides and fire door. Black steel sides and Magic type glass fire door for a greater scenic effect even when the stove is switched off. Equipped with blown self-cleaning system that guarantees cleaning and constant combustion efficiency. Quartz igniter for quick ignition. With the hand-held remote control and integrated room sensor, optimum management of room temperature as well as various functions is possible. The combustion chamber, made entirely of vermiculite, guarantees excellent performance. Self-cleaning glass with dedicated air. The “controlled negative pressure” operation and all installed devices ensure maximum comfort in complete safety. The versatility of the ducting system (mod. 11C-15C), allows optimal warmth also in other rooms of the house.

ZENA V

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 11C-15C)



MAGIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



REAR SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



HERMETIC  
(mod. 15C)



DAILY /  
WEEKLY  
PROGRAMMING



“SILENT”  
FUNCTION



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



AIR  
IONISER



ROOM TEMP.  
PROBE  
(mod. 11C-15C)



Black



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# KEA S 5★

VENTILATED PELLET STOVE



ENERGY  
LABELLING



EN 14785-2006

ECO  
DESIGN  
2022



EQUIVALENT  
PRODUCT  
7★  
FLAMME  
VERTE



KEA S		10	12C ducted
ENERGY CLASS		A+	A+
DIMENSIONS (WxDxH)	cm	58x59x112	58x59x112
STOVE WEIGHT	kg	120	120
HEAT INPUT (min.-max.)	kW	3,2 - 11,1	3,2 - 12,1
HEAT OUTPUT (min.-max.)	kW	3,1 - 9,9	3,1 - 10,7
EFFICIENCY (@ min.-max.)	%	94,5 - 88,9	94,5 - 88,2
MINIMUM CHIMNEY DRAUGHT	Pa	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50
PELLET TANK CAPACITY	kg	20	20
PELLET CONSUMPTION min.-max.	kg/h	0,67 - 2,30	0,67 - 2,51
Nominal ELECTRICAL ABSORPTION	W	41,6	95,2
ELECTRICAL ABSORPTION during ignition	W	281	281
HEATABLE VOLUME	m³	220	235

The KEA S pellet stove has an undeniable charm with its round silhouette and its varnished steel cladding. Its large glass door allows you to fully enjoy the spectacle of the flame.

The KEA S also has an integrated concentric duct to allow for simplified implementation and a reduction in space requirements.

Thanks to its power and its ducted fan, the KEA S stove is perfectly suited to homes with large volumes to heat.

KEA S

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 12C)



MAGIC  
GLASS



STEEL  
BRAZIER



HERMETIC



TOP  
FITTING  
130/80



TOP SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



DAILY /  
WEEKLY  
PROGRAMMING



"SILENT"  
FUNCTION



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



ROOM TEMP.  
PROBE  
(mod. 12C)



Black



Dove



Corten



APP-O BIOEN









# OLLA AU 5★

VENTILATED PELLET STOVE



OLLA AU

OLLA AU		7	9	11C ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100	100
HEAT INPUT (min.-max.)	kW	3,3 - 7,6	3,3 - 10	3,3 - 11,9
HEAT OUTPUT (min.-max.)	kW	3,1 - 7,0	3,1 - 9,1	3,1 - 10,7
EFFICIENCY (@ min.-max.)	%	94,3 - 92,4	94,3 - 91,1	94,3 - 90
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	16	16	16
PELLET CONSUMPTION min.-max.	kg/h	0,68 - 1,58	0,68 - 2,08	0,68 - 2,47
Nominal ELECTRICAL ABSORPTION	W	44,8	50,1	87,4
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	155	200	235

The OLLA AU model is a pellet stove with a contemporary aesthetic with its simple and refined lines. Its steel casing covered with paint in trendy colors makes this stove an object of comfort as well as decoration.

The OLLA AU is also a device equipped with the most modern technologies to guarantee the highest level of efficiency and comfort. It is notably equipped with our EXCLUSIVE self-cleaning burner technology. Our patented system is the only one that can guarantee regular cleaning without interruption of heat production.

Maximize your acoustic comfort thanks to our “silent” function and optimize the operation of your installation with our remote control with integrated probe and our remote control device.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 11C)



NIGHT VIEW  
GLASS



AUTOMATIC  
BRAZIER  
CLEANING



POWER  
MODULATION



REAR SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



DAILY /  
WEEKLY  
PROGRAMMING



“SILENT”  
FUNCTION



QUARTZ  
IGNITER



HERMETIC



WI-FI  
U-in

## OPTIONAL



ROOM TEMP.  
PROBE  
(mod. 11C)



Black



Dove



Corten



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# CLEA AU 5★

VENTILATED PELLET STOVE



ENERGY LABELLING



EN 14785-2006

ECO DESIGN  
2022



EQUIVALENT  
PRODUIT  
7★  
FLAMME  
VERTE



CLEA AU

CLEA AU		9	11	11C ducted
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100	100
HEAT INPUT (min.-max.)	kW	3,3 - 10	3,3 - 11,9	3,3 - 11,9
HEAT OUTPUT (min.-max.)	kW	3,1 - 9,1	3,1 - 10,7	3,1 - 10,7
EFFICIENCY (@ min.-max.)	%	94,3 - 91,1	94,3 - 90	94,3 - 90
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	22	22	16
PELLET CONSUMPTION min.-max.	kg/h	0,68 - 2,08	0,68 - 2,47	0,68 - 2,47
Nominal ELECTRICAL ABSORPTION	W	50,1	55	87,4
ELECTRICAL ABSORPTION during ignition	W	281	281	281
HEATABLE VOLUME	m³	225	265	265

The CLEA AU is a pellet stove with our patented self-cleaning burner technology. Our system is the only one that allows efficient and regular cleaning of the brazier, all without stopping heat production. The CLEA AU's control system, consisting of a highly advanced electronic unit, a remote control with integrated probe and remote management via WIFI, ensures a very high level of performance but also optimum comfort.

The CLEA AU elegantly combines steel and ceramic, all enhanced by its large Night view glass door.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED  
(mod. 11C)



NIGHT VIEW  
GLASS



AUTOMATIC  
BRAZIER  
CLEANING



POWER  
MODULATION



REAR SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



DAILY /  
WEEKLY  
PROGRAMMING



"SILENT"  
FUNCTION



QUARTZ  
IGNITER



HERMETIC



WI-FI  
U-in

## OPTIONAL



ROOM TEMP.  
PROBE  
(mod. 11C)



Black



White



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# TIANA 5★

VENTILATED PELLET STOVE



TIANA

TIANA		10C ducted
ENERGY CLASS		A+
DIMENSIONS (WxDxH)	cm	80x36x104
STOVE WEIGHT	kg	111
HEAT INPUT (min.-max.)	kW	4,3 - 10,8
HEAT OUTPUT (min.-max.)	kW	4,21 - 10
EFFICIENCY (@ min.-max.)	%	96,9 - 93
MINIMUM CHIMNEY DRAUGHT	Pa	10
FLUE GAS EXHAUST DIAMETER	mm Ø	80
AIR INTAKE DUCT DIAMETER	mm Ø	80
PELLET TANK CAPACITY	kg	15
PELLET CONSUMPTION min.-max.	kg/h	0,91 - 2,25
Nominal ELECTRICAL ABSORPTION	W	110
ELECTRICAL ABSORPTION during ignition	W	350
HEATABLE VOLUME	m³	220

Pellet stove with a linear design and painted steel cladding. With very small dimensions, especially in depth; a special feature for space-saving situations thanks to the upper smoke outlet.

Thanks to the remote control and the standard room sensor, it is possible to optimally manage the room temperature and the various functions.

The combustion chamber, made entirely of vermiculite, guarantees excellent performance.

Self-cleaning glass with dedicated air. The “controlled depression” operation and all the devices installed guarantee maximum comfort in complete safety.

The versatility of the ducting system allows for optimum heat even in other rooms of the home.

## PRODUCT PLUS



VENTILATED  
STOVE



DUCTED



CERAMIC  
GLASS



STEEL  
BRAZIER



POWER  
MODULATION



TOP SMOKE  
OUTLET



REAR SMOKE  
OUTLET



RADIO CONTROL  
WITH ROOM  
PROBE



DAILY /  
WEEKLY  
PROGRAMMING



QUARTZ  
IGNITER



WI-FI  
U-in

## OPTIONAL



ROOM TEMP.  
PROBE



Black



White



Burgundy



APP-O BIOEN









# ZANTE

VENTILATED PELLET STOVE



EN 14785-2006

ECO  
DESIGN  
2022



ENVIRONMENTAL  
CERTIFICATION  
MD 186 OF 07/11/2017



ZANTE		11
ENERGY CLASS		A+
DIMENSIONS (WxDxH)	cm	49,6x56,1x100
STOVE WEIGHT	kg	104
HEAT INPUT (min.-max.)	kW	4,87 - 11,67
NOMINAL HEAT OUTPUT (min.-max.)	kW	4,53 - 10,28
EFFICIENCY (@ min.-max.)	%	93,07 - 88,09
MINIMUM CHIMNEY DRAUGHT	Pa	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80
AIR INTAKE DUCT DIAMETER	mm Ø	40
PELLET TANK CAPACITY	kg	19
PELLET CONSUMPTION min.-max.	kg/h	1 - 2,41
Nominal ELECTRICAL ABSORPTION	W	136
ELECTRICAL ABSORPTION during ignition	W	363
HEATABLE VOLUME	m³	129÷294

Pellet stove equipped with an exclusive pellet dosing system which, thanks to its highly profiled star shape, allows the exact amount of fuel to be distributed.

Steel cladding and contextualized front with a painted steel frame.

The fire door is made of vitroceraamic decorated with chrome strips on the sides.

## PRODUCT PLUS



VENTILATED  
STOVE



CERAMIC  
GLASS



BRAZIER  
CLEANING  
AUTOMATIC



POWER  
MODULATION



REAR SMOKE  
OUTLET



DAILY /  
WEEKLY  
PROGRAMMING

## OPTIONAL



DUCTABLE



WI-FI  
U-in



Black



White



Burgundy



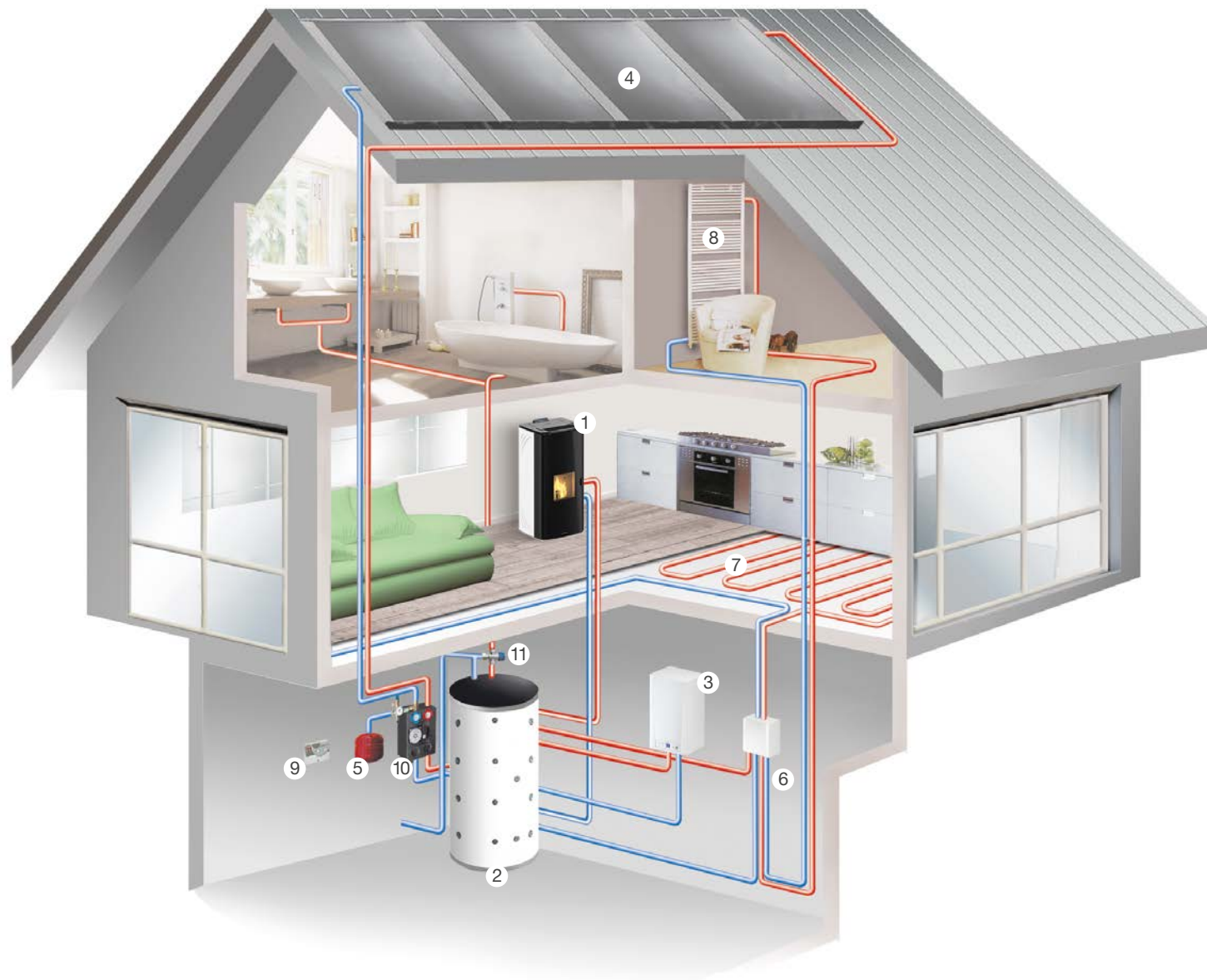
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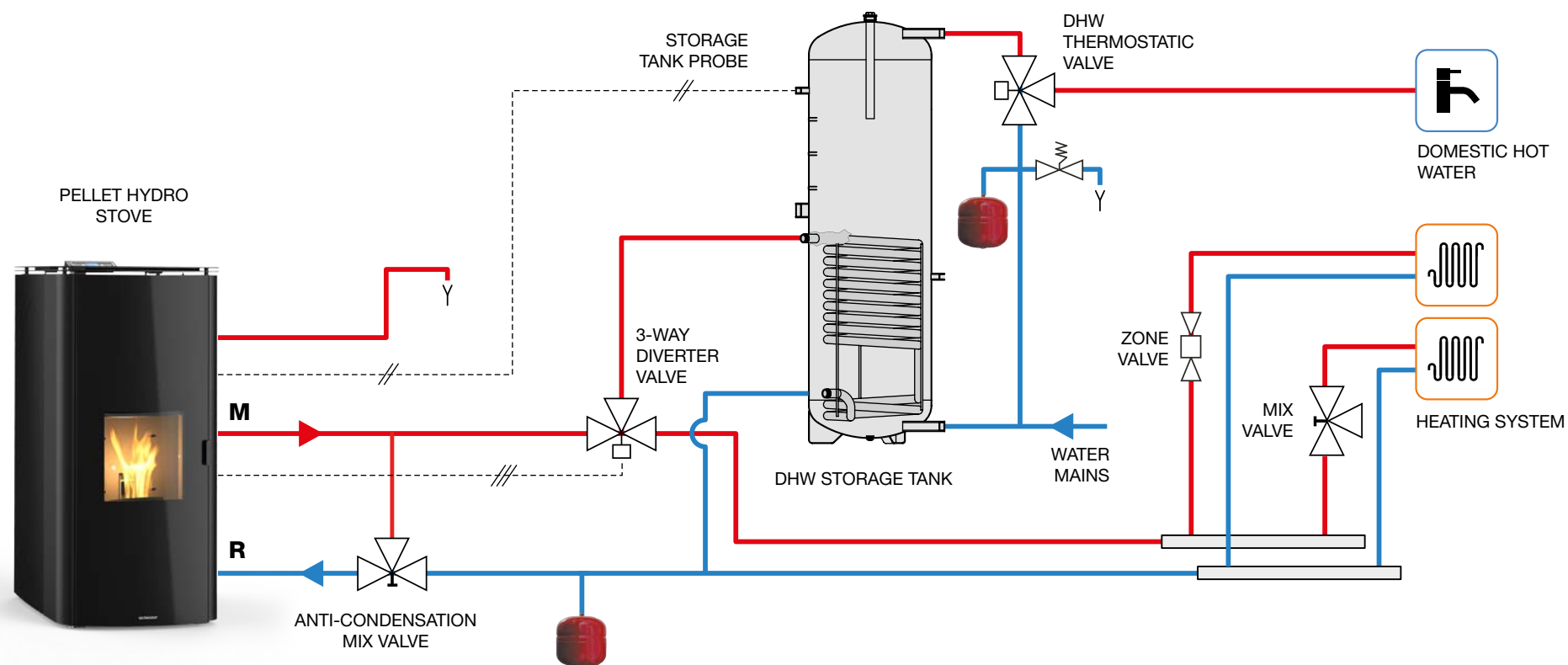
## HYDRO STOVES

SCHUSTER hydraulic stoves can be integrated into existing systems, even combined with other **renewable** energy sources, to heat your home and produce domestic hot water. The hydraulic stove controls and optimizes consumption according to your own requirements.



- 1 HYDRO STOVE
- 2 BUFFER WITH SOLAR INTEGRATION COIL
- 3 WALL-MOUNTED HEATING ONLY BOILER
- 4 SOLAR COLLECTOR KITS
- 5 SOLAR EXPANSION VESSEL
- 6 DISTRIBUTION MODULE
- 7 FLOOR HEATING SYSTEM
- 8 HIGH TEMPERATURE SYSTEM
- 9 SOLAR CONTROL UNIT
- 10 SOLAR CIRCULATION GROUP
- 11 THERMOSTATIC MIXER

## PELLET HYDRO STOVE SYSTEM DIAGRAM, ROOM PROBE AND D.H.W. STORAGE TANK



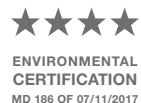
These diagrams are purely indicative. The entire thermal hydraulic system must be built according to current standards and equipped with all control/safety accessories.





# IDRA

VENTILATED, PELLET FIRED, HYDRO STOVE



IDRA		14	18	30
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	46x48x95	55x59x111	70x74x137
HYDRO STOVE WEIGHT	kg	145	160	280
HEAT INPUT (min.-max.)	kW	5,23 - 14,79	4,1 - 18	8,95 - 32,41
NOMINAL HEAT OUTPUT (min.-max.)	kW	5,04 - 13,84	4 - 17,14	8,57 - 30,48
OUTPUT TO THE WATER (min.-max.)	kW	3,81 - 10,53	3,10 - 13,43	6,51 - 24,38
OUTPUT TO THE ENVIRONMENT (min.-max.)	kW	1,22 - 3,31	0,9 - 3,7	2,06 - 6,1
EXCHANGER WATER CONTENT	l	17	31	60
EXPANSION VESSEL	l	6	7	8
MAXIMUM OPERATING PRESSURE	bar	3	3	3
PUMP HEAD	m	6	6	6
WATER SIDE RESISTANCE ( $\Delta t$ 10 K) / ( $\Delta t$ 20 K)	mbar	-	181 / 45,2	405 / 101,2
EFFICIENCY (@ min.-max.)	%	96,29 - 93,54	97,54 - 94,97	95,79 - 94,03
MINIMUM CHIMNEY DRAUGHT	Pa	12	8	6
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80	100
AIR INTAKE DUCT DIAMETER	mm Ø	50	50	50
PELLET TANK CAPACITY	kg	17	33	57
PELLET CONSUMPTION min.-max.	kg/h	1,067 - 3,017	0,84 - 3,7	1,8 - 6,3
ELECTRIC ABSORPTION nominal/during ignition	W	82 - 350	82 - 350	165 - 430
HEATABLE VOLUME	m <sup>3</sup>	340	420	730
NOISE	dB	35 / 45	35 / 50	35 / 50

Hydraulic, ventilated pellet stove, equipped with an exclusive pellet dosing system which, thanks to its highly profiled star shape, allows the exact amount of fuel to be distributed. The automatic brazier cleaning system is innovative and effectively simplifies operations. The cladding is made of steel while the front is embellished by the curved and refined glass door that conceals the fire door.

## PRODUCT PLUS



HYDRO  
VENTILATED  
(mod. 18-30)



HYDRO  
(mod. 14)



MAGIC  
GLASS



CAST IRON  
BRAZIER  
(mod. 18-30)



STEEL  
BRAZIER  
(mod. 14)



REAR SMOKE  
OUTLET



POWER  
MODULATION



WEEKLY  
PROGRAMMING

## OPTIONAL



WI-FI  
U-in



Black



White



Burgundy



APP-O BIOEN







# IDRA 5S 5★

VENTILATED, PELLET FIRED, HYDRO STOVE



IDRA 5S		20	24
ENERGY CLASS		A+	A+
DIMENSIONS (WxDxH)	cm	59x68x122	59x68x122
HYDRO STOVE WEIGHT	kg	230	230
HEAT INPUT (min.-max.)	kW	6,8 - 20,1	8,4 - 24
NOMINAL HEAT OUTPUT (min.-max.)	kW	6,5 - 19,2	7,9 - 22,8
OUTPUT TO THE WATER (min.-max.)	kW	5,4 - 17,4	6,6 - 20,9
OUTPUT TO THE ENVIRONMENT (min.-max.)	kW	1,1 - 1,8	1,3 - 1,9
EXCHANGER WATER CONTENT	l	50	50
EXPANSION VESSEL	l	8	8
MAXIMUM OPERATING PRESSURE	bar	3	3
PUMP HEAD	m	6	6
WATER SIDE RESISTANCE ( $\Delta t$ 10 K) / ( $\Delta t$ 20 K)	mbar	123,5 / 30,9	186,8 / 46,7
EFFICIENCY (@ min.-max.)	%	95,9 - 95,6	94,9 - 94,2
MINIMUM CHIMNEY DRAUGHT	Pa	12	12
FLUE GAS DISCHARGE/AIR INTAKE DUCT DIAMETER	mm Ø	80 / 50	80 / 50
PELLET TANK CAPACITY	kg	38	38
PELLET CONSUMPTION min.-max.	kg/h	1,41 - 4,19	1,7 - 5,0
ELECTRIC ABSORPTION nominal/during ignition	W	72 - 320	83 - 345
HEATABLE VOLUME	m³	440	510
NOISE	dB	35 / 50	35 / 50

Ventilated pellet stove with an exclusive combustion system with high performance. IDRA 5S with its 5 stars is positioned at the top of the Environmental Certification. The presence of the “magic glass” and its linear style make it both elegant and versatile.

IDRA 5S

## PRODUCT PLUS



HYDRO  
VENTILATED



MAGIC  
GLASS



AUTOMATIC  
BRAZIER  
CLEANING



POWER  
MODULATION



REAR SMOKE  
OUTLET



WEEKLY  
PROGRAMMING

## OPTIONAL



WI-FI  
U-in



Black



White



Burgundy



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# OLLA MIX 5★

VENTILATED BI-FUEL PELLET-WOOD STOVE



OLLA MIX

OLLA MIX		Pellet fired 11	Wood fired 7
ENERGY CLASS			
DIMENSIONS (WxDxH)	cm	49x56x110	49x56x110
STOVE WEIGHT	kg	100	100
HEAT INPUT (min.-max.)	kW	3,7 - 12,4	7,6
HEAT OUTPUT (min.-max.)	kW	3,3 - 11,0	6,9
EFFICIENCY (@ min.-max.)	%	90,7 - 88,5	90,9
MINIMUM CHIMNEY DRAUGHT	Pa	12	12
FLUE GAS EXHAUST DIAMETER	mm Ø	80	80
AIR INTAKE DUCT DIAMETER	mm Ø	50	50
PELLET TANK CAPACITY	kg	16	-
PELLET CONSUMPTION min.-max.	kg/h	0,77 - 2,58	-
WOOD CONSUMPTION min.-max.	kg/h	-	1,74
Nominal ELECTRICAL ABSORPTION	W	45,2	-
ELECTRICAL ABSORPTION during ignition	W	281	-
HEATABLE VOLUME	m³	275	150

Enjoy the benefits of two technologies with a single device thanks to the OLLA MIX mixed stove. The latest addition to the Schuster range offers you the possibility of choosing between two types of fuel. If you want flexibility of use, rapid temperature adjustment of your home and remote control of the operation of your device, choose pellet mode.

If you want to spend quality time with your family in front of a beautiful fire and make additional savings, choose log wood mode.

You can also opt for automatic lighting of your log wood thanks to MIX mode.

The varnished steel coating, the simple and refined design of the OLLA MIX allows it to easily adapt to different interior styles;

## PRODUCT PLUS



VENTILATED  
BI-FUEL PELLET-  
WOOD STOVE



VENTILATED  
STOVE



VITRE  
PORTE FOYER  
"NIGHT VIEW"



STEEL  
BRAZIER  
(Pellet fired)



POWER  
MODULATION  
(Pellet fired)



REAR SMOKE  
OUTLET



DAILY / WEEKLY  
PROGRAMMING  
(Pellet fired)



"SILENT"  
FUNCTION  
(Pellet fired)



QUARTZ  
IGNITER  
(Pellet fired)



WI-FI  
U-in  
(Pellet fired)



AUTOMATIC  
BRAZIER  
CLEANING



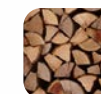
Black



Dove



Corten



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AVA		8	
ENERGY CLASS			
DIMENSIONS (WxDxH) without box / with box	cm	47x43x76,5 / 47x43x111,5	
STOVE WEIGHT without box / with box	kg	105 / 107	
GLOBAL HEAT INPUT	kW	9,3	
HEAT OUTPUT	kW	8,0	
MINIMUM HEAT OUTPUT	kW	4,7	
EFFICIENCY	%	85,4	
LOG LENGTH	cm	25	
AVERAGE CONSUMPTION	kg/h	2,14	
FLUE GAS EXHAUST DIAMETER	mm	150	
HEATABLE VOLUME	m <sup>3</sup>	175	

The AVA model is a wood-burning stove. Its varnished steel casing and cubic appearance give it a modern and elegant design.

The AVA has a large glass door that provides a wide view of the flame to share friendly moments with the family.

Its steel hearth guarantees a high level of heat transmission and great robustness.

Opt for the storage box (optional) to have a very useful storage space, all in a small footprint. Placed on the storage box, the AVA stove takes on a more airy design and reinforces its resolutely modern style.

## PRODUCT PLUS



NIGHT VIEW  
GLASS



TOP SMOKE  
OUTLET

## OPTIONAL



BOX  
STOCKAGE







# LILLA O 13 5★

VENTILATED WOOD LOGS BURNING STOVE



LILLA O

LILLA O		13
ENERGY CLASS		A+
DIMENSIONS (WxDxH) without box / with box	cm	55x43,5x102,5
STOVE WEIGHT without box / with box	kg	110
GLOBAL HEAT INPUT	kW	12,8
HEAT OUTPUT	kW	11,1
MINIMUM HEAT OUTPUT	kW	4,7
EFFICIENCY	%	86,8
AVERAGE CONSUMPTION	kg/h	2,98
FLUE GAS EXHAUST DIAMETER	mm	130
HEATABLE VOLUME	m³	290

Ventilated wood stove, compact and equipped with a large combustion chamber to accommodate loads that guarantee a long autonomy.

LILLA O heats the room by radiation and with adjustable ventilated air at two speeds on the top of the stove.

Door with steel frame, hinged opening and ceramic glass with a wide view of the flame. Hot air regulation with forced ventilation.

Large ash collection drawer. Practical and elegant anti-scald handle.

## PRODUCT PLUS



VENTILATED  
STOVE



NIGHT VIEW  
GLASS



TOP SMOKE  
OUTLET



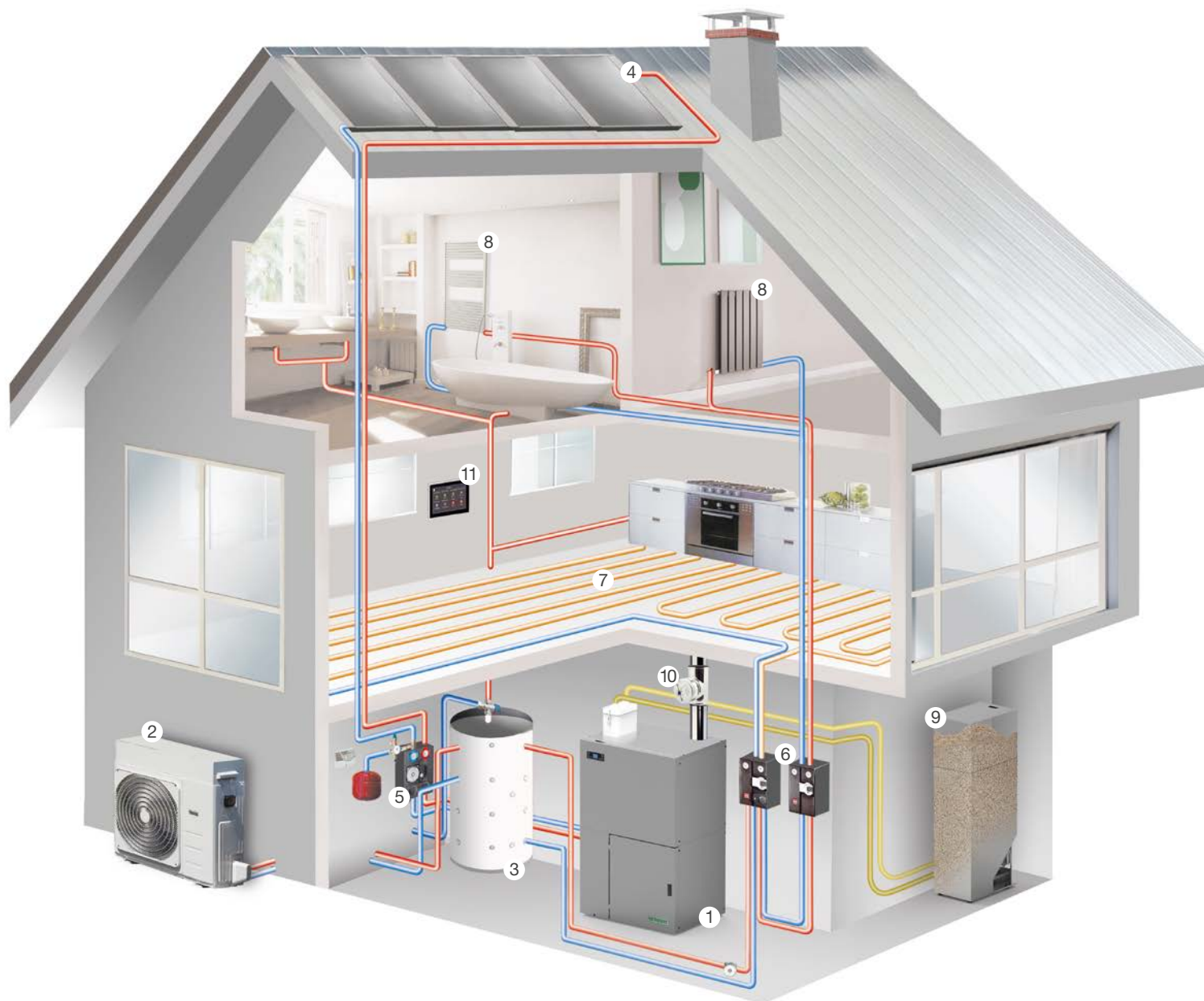
"SILENT"  
FUNCTION



## BOILERS

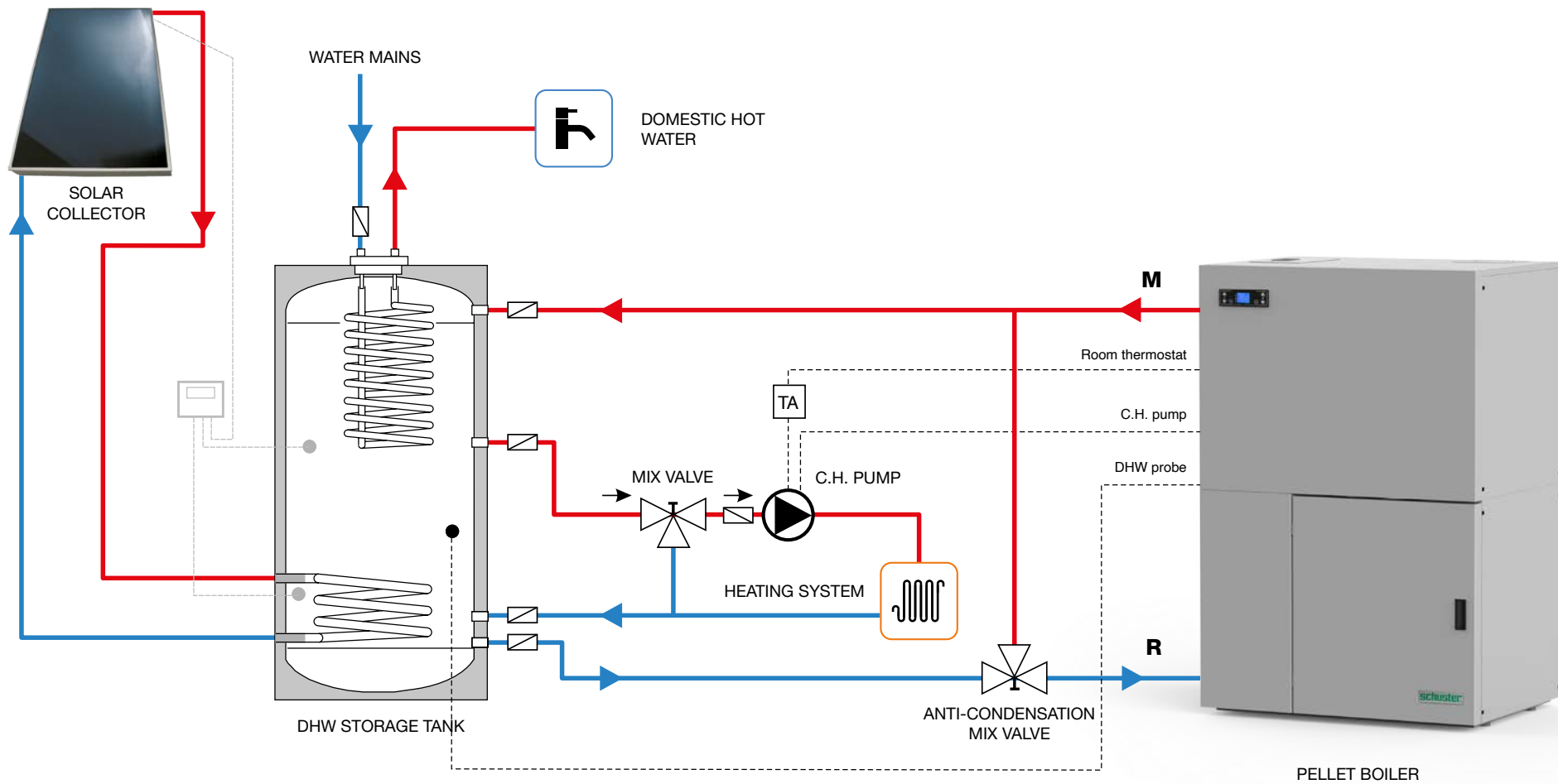
The SCHUSTER pellet boiler can be combined with other **renewable energy sources** to heat your home. Solar panels, hot water underfloor heating, DHW production tanks, heat pumps, control systems can be easily connected to ensure maximum savings and optimized consumption, based on the user's specific requirements.

For specific requirements, the **new heating only version MINORCA 2S** is also available.



- 1 PELLET BOILER
- 2 HEAT PUMP
- 3 STORAGE TANK
- 4 SOLAR COLLECTORS
- 5 THERMAL SOLAR GROUP
- 6 PUMPING GROUP for LT / HT
- 7 RADIANT FLOOR SYSTEM (LT)
- 8 HIGH TEMPERATURE SYSTEM (HT)
- 9 MOTORIZED PELLET STORAGE
- 10 DRAUGHT ADJUSTER
- 11 TOUCH PANEL

# PELLET BOILER SYSTEM DIAGRAM FOR HEATING AND D.H.W. PRODUCTION WITH EXTERNAL PUFFER AND SOLAR PANEL CONNECTION



These diagrams are purely indicative. The entire thermal hydraulic system must be built according to current standards and equipped with all control/safety accessories.





# FORMENTERA

PELLET FIRED BOILER



FORMENTERA

FORMENTERA		15	20	24	28	32
ENERGY CLASS		A+	A+	A+	A+	A+
DIMENSIONS (WxDxH)	cm	56,2x70x108	63x78,7x125	63x78,7x125	69x76x136	69x76x136
BOILER WEIGHT	kg	150	240	240	305	305
HEAT INPUT (min.-max.)	kW	4,4 - 15,9	5,86 - 19	6,8 - 23	7 - 27,1	7 - 33,2
HEAT OUTPUT (min.-max.)	kW	4 - 14,5	5,21 - 17,51	6,3 - 21	6,3 - 25	6,34 - 31,2
BOILER WATER CONTENT	l	31	50	50	60	60
EXPANSION VESSEL	l	7	8	8	8	8
MAXIMUM OPERATING PRESSURE	bar	3	3	3	3	3
PUMP HEAD	m	6	6	6	6	6
WATER SIDE RESISTANCE ( $\Delta t$ 10 K) / ( $\Delta t$ 20 K)	mbar	181 / 45,2	123,5 / 30,9	123,5 / 30,9	285,9 / 71,5	466 / 117
EFFICIENCY (@ min.-max.)	%	91,1 - 90	92,13 - 88,82	92,1 - 91,1	92,2 - 90,65	94 - 90,65
MINIMUM CHIMNEY DRAUGHT	Pa	12	12	12	12	12
FLUE GAS DISCHARGE/AIR INTAKE DUCT DIAMETER	mm Ø	80 / 50	80 / 50	80 / 50	100 / 60	100 / 60
PELLET TANK CAPACITY	kg	46	60	60	81	81
PELLET CONSUMPTION min.-max.	kg/h	0,91 - 3,27	1,195 - 3,875	1,4 - 4,7	1,43 - 5,5	1,43 - 6,8
ELECTRIC ABSORPTION nominal/during ignition	W	74 - 330	67 - 330	76 - 330	85 - 330	95 - 330
HEATABLE VOLUME	m³	450	470	540	630	770
NOISE	dB	35 / 50	35 / 50	35 / 50	35 / 50	35 / 50

Pellet boiler with a high-performance heat exchange system towards the water of the heating system. Innovative is the automatic system for periodic cleaning of the combustion crucible, which effectively simplifies periodic maintenance operations.

## PRODUCT PLUS



HEATING ONLY  
BOILER



AUTOMATIC  
BRAZIER  
CLEANING



POWER  
MODULATION



REAR SMOKE OUTLET



WEEKLY  
PROGRAMMING

## OPTIONAL



WI-FI  
U-in



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Google Play







# MINORCA 2S 5★

MINORCA 2S

PELLET FIRED BOILER • HEATING ONLY OR WITH D.H.W. PRODUCTION (OPTIONAL)



MINORCA 2S		R20	R24	R34
ENERGY CLASS		A+	A+	A+
DIMENSIONS (WxDxH)	cm	87x60x137,2	87x60x137,2	87x60x137,2
BOILER WEIGHT	kg	382	385	390
HEAT INPUT (min.-max.)	kW	6,5 - 22	6,5 - 26	6,5 - 33,3
HEAT OUTPUT (min.-max.)	kW	6 - 20,5	6 - 24,1	6 - 30,60
BOILER WATER CONTENT	l	73	73	73
EXPANSION VESSEL	l	12	12	12
MAXIMUM OPERATING PRESSURE	bar	2	2	2
PUMP HEAD	m	6	6	6
EFFICIENCY (@ min.-max.)	%	93,1 - 92,1	92,6 - 92,1	92,1 - 92
CHIMNEY DRAUGHT (min.-max.)	Pa	10/11	10/12	10/12
FLUE GAS EXHAUST DIAMETER	mm Ø	100	100	100
PELLET TANK CAPACITY	l/kg	92,7/60	92,7/60	92,7/60
PELLET CONSUMPTION min.-max	kg/h	1,37 - 4,59	1,37 - 5,39	1,37 - 6,95
MAXIMUM ABSORBED ELECTRICAL POWER	W	410	410	410
HEATABLE VOLUME	m³	133 - 455	133 - 535	133 - 680

Compact pellet boiler, with a large water content, equipped with an exclusive pellet dosing system that enables power to be delivered over wide modulation levels. The automatic cleaning system of the rotary brazier is innovative which effectively simplifies cleaning operations. Production of D.H.W. via optional kit.

## PRODUCT PLUS



HEATING ONLY BOILER



AUTOMATIC BRAZIER CLEANING



POWER MODULATION



TOP SMOKE OUTLET



REAR SMOKE OUTLET



DAILY / WEEKLY PROGRAMMING



DOUBLE STAR + FEEDING SCREW SYSTEM

## OPTIONAL



WI-FI U-in



D.H.W. PRODUCTION



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# INGE 5 5★

WOOD LOGS FIRED BOILER WITH REVERSE FLAME



INGE 5

INGE 5		26
HEAT INPUT	kW	25,6
HEAT OUTPUT (*)	kW	23,1
HEATING EFFICIENCY CLASS		A+
EFFICIENCY	%	90,2
CO <sub>2</sub>	%	13,8
MAX OPERATING PRESSURE	bar	3
MINIMUM DRAUGHT required by chimney	Pa	12
FLOW TEMPERATURE min./max.	°C	70 / 85
RETURN TEMPERATURE minimum	°C	55
COMBUSTION AUTONOMY	h	8,5
WOOD STORAGE VOLUME	l	153
LOG LENGTH	cm	50
FLUE GAS TEMPERATURE Qn	°C	120,4
Recommended thermal STORAGE VOLUME	l	>1200÷2000
DIMENSIONS (WxDxH)	mm	610x1259x1771
BOILER DRY WEIGHT	kg	710

(\*) Power obtained with wood/pellet according to the standard ISO 17225-2 class A1-A2    (\*\*) With ambient temperature of 20°C

High-efficiency wood boiler thanks to fan-assisted reverse flame technology. Equipped with a large-capacity wood log storage magazine for long autonomy (up to 8 hours) with a single fuel load. Self-cooled door. Oxygen control by the presence of a lambda probe for clean combustion. Additional anti-condensation system as standard with 55°C thermostatic diverter valve. "Ufly Touch Screen" TFT digital control panel for integration of the main system control and regulation systems. Control of the system outlet temperature on circuits with differentiated temperatures.

## PRODUCT PLUS



WOOD LOGS  
FIRED  
BOILER



SOLAR CIRCUIT  
CONTROL



LAMBDA  
SENSOR



REAR  
SMOKE  
OUTLET



REVERSE  
FLAME



MIXED  
CIRCUITS  
MANAGEMENT



POWER  
MODULATION



TOUCH  
INTERFACE  
(UFLY)

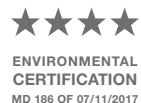






# OH S 34

WOOD LOGS FIRED BOILER WITH REVERSE FLAME



OH S		34
HEAT INPUT	kW	34,64
HEAT OUTPUT	kW	31,22
HEATING EFFICIENCY CLASS		A+
EFFICIENCY	%	90,12
CO <sub>2</sub>	%	14,7
MAX OPERATING PRESSURE	bar	3
MINIMUM DRAUGHT required by chimney	Pa	17
FLOW TEMPERATURE min./max.	°C	70 / 85
RETURN TEMPERATURE minimum	°C	55
COMBUSTION AUTONOMY	h	4
WOOD STORAGE VOLUME	l	100
LOG LENGTH	cm	50
FLUE GAS TEMPERATURE Qn	°C	161
Recommended thermal STORAGE VOLUME	l	>1200÷2000
DIMENSIONS (WxDxH)	mm	660x1285x1610
BOILER DRY WEIGHT	kg	557

(\*) Power obtained with wood/pellet according to the standard ISO 17225-2 class A1-A2

High-performance log wood boiler thanks to reverse flame technology, equipped with regulation with optimized control of fuel gasification. The generous log wood storage magazine ensures long autonomy with a single fuel load.

OH S 34

## PLUS PRODUIT



WOOD LOGS  
FIRED  
BOILER



FLAMME  
INVERSEE



POWER  
MODULATION



SOLAR CIRCUIT  
CONTROL



ADJUSTABLE SMOKE  
OUTLET









# OHP 34

DUAL-FUEL (WOOD / PELLET) BOILER



OHP 34

OHP 34		wood-burning		pellet-burning	
			Pn	Pmin	
HEAT INPUT	kW	34,64	34,06	10,3	
HEAT OUTPUT (*)	kW	31,22	31,08	9,48	
HEATING EFFICIENCY CLASS		A+		A+	
EFFICIENCY	%	90,12	91,26	92	
CO <sub>2</sub>	%	14,7	12,5	7,28	
MAX OPERATING PRESSURE	bar	3	3	3	
MINIMUM DRAUGHT required by chimney	Pa	17	11	11	
FLOW TEMPERATURE min./max.	°C	70 / 85	70 / 85	70 / 85	
RETURN TEMPERATURE minimum	°C	55	55	55	
COMBUSTION AUTONOMY	h	4	32	104	
PELLET CONSUMPTION Qn	kg/h	-	7,19	2,17	
WOOD STORAGE VOLUME	l	100	-	-	
LOG LENGTH	cm	50	-	-	
FLUE GAS TEMPERATURE Qn	°C	161	131	75	
Recommended thermal STORAGE VOLUME	l	>1200÷2000	>1200÷2000		
DIMENSIONS (WxDxH)	mm	660x1285x1610	660x1285x1610		
BOILER DRY WEIGHT	kg	557	557		

(\*) Power obtained with wood/pellet according to the standard ISO 17225-2 class A1-A2

High-performance dual fuel (wood logs/pellet) boiler, thanks to reverse flame technology and the pellet burner positioned on the smoke suction side.

The wood logs storage chamber is in special carbon steel, 8 mm thick.

## PRODUCT PLUS



WOOD/PELLET  
DUAL-FUEL  
BOILER



REVERSE  
FLAME



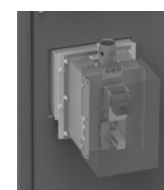
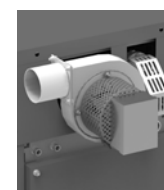
POWER  
MODULATION



SOLAR CIRCUIT  
CONTROL



ADJUSTABLE SMOKE  
OUTLET





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