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arikazan



**COMFORT  
STARTS  
HERE**

Producing Quality Requires;  
**TECHNOLOGY, EXPERIENCE**  
and **SELF-CONFIDENCE...**

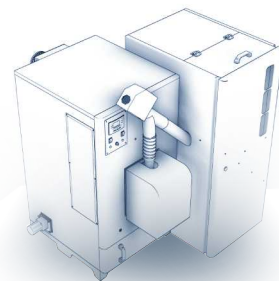
GENERAL PRODUCT CATALOG



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# CARIA SERIES



## FULL AUTOMATIC LUXURY PELLET BOILERS

### Superior Features of Caria Series

- Automatic ignition system
- Automatic boiler pipe cleaning
- Automatic burner cleaning
- Automatic ash cleaning system
- Automatic fuel-air ratio adjustment  
(Automatic adjustment of pellet dosage)
- Flexible installation (Closed expansion tank  
can be used with ease)
- External fuel tank
- User-friendly digital display
- Superior control software suitable for pellet  
fuels with optimum combustion  
performance
- Electronic combustion air regulation high  
efficiency up to 94%
- Easy maintenance with patented modular  
burner
- Industrial performance for hotels and large  
enterprises



Hydro Type



Pellet Fuel



Changeable  
Burner



Ceramic  
Igniter



Photocell



Auto  
Burner  
Cleaning



Auto  
Tube  
Cleaning



Back  
Burn  
Control



Different  
Auger Length  
Options



Programmable  
Timer



Different  
Silo  
Options



3 Way  
Valve

FEATURES



Touch  
Screen



Remote  
Control



Boiler  
Control



Outside Air  
Temperature  
Control



Accumulation  
Tank  
Control



Room  
Thermostat  
Control



Underfloor  
Heating



Zone  
Control

OPTIONAL



# CARIA series

Full Automatic Luxury Pellet Boilers



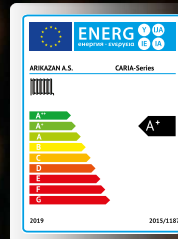
The new Caria series pellet burners are designed to be very quiet and self-cleaning. Minimum and easy maintenance is our main goal. The burner provides ideal combustion with advanced logical controls as standard. (Patent: PTC / IB 2012 / 054583)

Caria burners ignite the pellet fuel in 2 minutes with its automatic ignition system. The system is equipped with safety that can prevent malfunctions that may cause the boiler to overheat.

Caria pellet boilers installed in a correct chimney system will work under vacuum, which will prevent soot, smoke or any gas leakage into the boiler room.

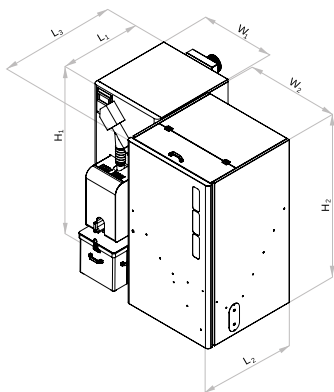
The burner bucket is made of acid and high temperature resistant stainless steel. The burner grill has a patented self-cleaning system that blocks the combustion air and prevents the accumulation of ash and sticky substances.

Caria series pellet boilers are in great demand in Europe and more than 5 thousand products have been successfully serving our European customers for more than 10 years.



Full Automatic System...

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF CARIA SERIES

	UNIT	MODEL						
		CP-12	CP-23	CP-40	CP-60	CP-80	CP-100	CP-150
CAPACITY	Nominal-Minimum Heat Output	kW 12 - 3.6	23 - 6.9	40 - 12	60 - 18	80 - 24	100 - 30	150 - 45
		kcal/h 10320 - 3096	19780 - 5934	34400 - 10320	51600 - 15480	68800 - 20640	86000 - 25800	129000 - 38700
	Net Efficiency (Nominal-Minimum)	% 90.8 - 90.0	91.6 - 91.6	92.4 - 93.6	92.2 - 91.4	91.3 - 92.5	92.0 - 92.5	91.1 - 93.1
	Seasonal Efficiency	% 75	79	81	80	81	81	82
	Energy Efficiency Index	- 112	117	120	118	119	119	120
OPERATING CONDITIONS	Energy Efficiency Ratings	- A+	A+	A+	A+	A+	A+	A+
	Boiler Class	Class 5 according to EN 303-5						
	Safety Limit Temperature	95						
	Setting Range for Operating Temperature	80 - 65						
	Minimum Water Return Temperature	55						
MAIN DIMENSIONS	Operating & Test Pressure	3 - 4.5						
	Electrical Connection	230 Vac, 50 Hz						
	Nominal & Maximum Electrical Input	Watt 116 - 450	102 - 450	105 - 450	186 - 500	116 - 550	133 - 550	204 - 550
	Average Electricity Consumption	W 120	100	120	140	210	210	320
	Recommended Fuel Types	Ø6 mm High Quality Pellet, EN DIN PLUS A1, A2						
SILO	W <sub>1</sub> Cabin Width	mm 700	750			750		
	H <sub>1</sub> Height	mm 1395	1495			1695		
	L <sub>1</sub> Cabin Depth	mm 800	825			825		
	L <sub>2</sub> Total Boiler Depth × 2	mm 1285	1295	1330	1330	1420	1420	1935
	Water Content	lt 99	91	116	140	117	117	250
SILO	Empty Weight	kg 295	315	404	444	450	450	625
	Fuel Container Type	- PS300	PS500			PS800		
	Net Volume	lt 325	507			800		
SILO	Net Volume	kg 200	330			520		
	W <sub>2</sub> × L <sub>2</sub> × H <sub>2</sub> Silo Dimensions	mm 600x850x1433	850x850x1433			950x950x1433		





Hydro Type



Pellet Fuel



Changeable Burner



Ceramic Igniter



Programmable Timer



Back Burn Control



Different Auger Length Options



Different Silo Options

FEATURES



Photocell



Auto Tube Cleaning



Touch Screen



Remote Control



3 Way Valve



Boiler Control

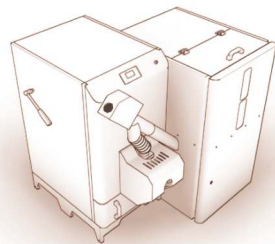


Outside Air Temperature Control

OPTIONAL

SERIES

ECO-MINI



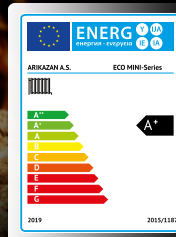
## NEW GENERATION SEMI-AUTOMATIC PELLET BOILER

### Superior Features of Eco-mini Series

- Automatic ignition system
- Mechanical boiler pipe cleaning
- Automatic burner cleaning
- Automatic adjustment of fuel flow with automatic fuel-air ratio adjustment
- User-friendly digital display
- Appropriate value combustion performance with superior control software
- High efficiency with modulated air-fuel control
- Flexible installation, easy use with closed expansion tank
- Compact installation alternative with external fuel tank, different fuel tank options
- Easy service & maintenance, plenty of spare parts

# ECO-MINI series

## New Generation Semi-Automatic Pellet Boilers



Eco-Mini series boilers provide the highest efficiency combustion thanks to their vertically designed pipes and efficiency-enhancing turbulators. With its reliable structure and special boiler steel, it guarantees you many years of service life.

Eco-mini series systems are designed to be extremely flexible and easy to install with their compact structure. A pellet boiler of this quality has never been so budget friendly.

So Why Eco-Mini? It is the dimensions that make the Eco-Mini series pellet boilers special. The dimensions of these new generation boilers have been reduced by 30% of their predecessors without sacrificing efficiency and capacity. As the sizes get smaller, the prices also decrease.

How is this possible? The trick lies in the correct adjustment of the flame and smoke paths inside the boiler. The concept of double pass in solid fuel was achieved by forcing the combustion flames to invert and pass through the newly formed flames.

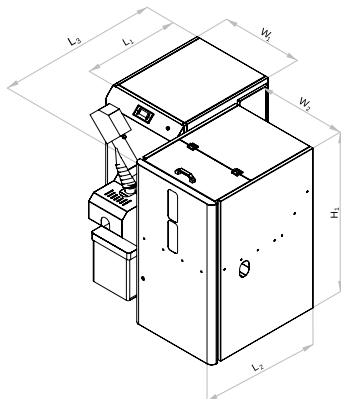
This method not only reduces the required heat surface, but also increases the efficiency taken from the unit area.

Class-5 boiler: Eco-mini boilers are designed to meet the following Class-5 criteria:

- Efficiency > 90 %
- Emissions < 500 mg/m<sup>3</sup> CO
- Dust < 40 mg/m<sup>3</sup>

*An Affordable Pellet Boiler...*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF ECO-MINI SERIES

	UNIT	MODEL			
		Eco Mini-12	Eco Mini-23	Eco Mini-40	Eco Mini-40
CAPACITY	Nominal-Minimum Heat Output	kW 12 - 3.6	23 - 6.9	40 - 12	40 - 18
		kcal/h 10320 - 3096	19780 - 5934	34400 - 10320	51600 - 15480
	Net Efficiency (Nominal-Minimum)	% 91.6 - 90.5	91.4 - 92.1	91.1 - 91.9	92.3 - 91.0
	Seasonal Efficiency	% 76	79	80	80
	Energy Efficiency Index	- 114	117	118	117
OPERATING CONDITIONS	Energy Efficiency Ratings	- A+	A+	A+	A+
	Safety Limit Temperature	°C 95			
	Maximum Operating Temperature	°C 80			
	Minimum Water Return Temperature	°C 55			
	Operating & Test Pressure	bar 3 - 4.5			
MAIN DIMENSIONS	Electrical Connection	- 230 Vac, 50 Hz			
	Nominal & Maximum Electrical Input	Watt 136 - 450	136 - 450	166 - 450	186 - 500
	Recommended Fuel Types	- Ø6 mm Premium Quality Pellet, EN Plus A1			
	W <sub>1</sub> Cabin Width & Depth	mm 515 - 655	595 - 790	595 - 845	700 - 990
	H <sub>1</sub> Height	mm 1160	1160	1360	1360
SILO	L <sub>2</sub> Total Boiler Depth × 2	mm 1070	1200	1280	1440
	Water Content	kg 25	50	75	110
	Empty & Gross Weight	kg 150 - 170	190 - 215	240 - 270	290 - 330
	(W x H x L), Wooden Case Freight Dimensions	mm 615 x 1340 x 1100	715 x 1340 x 1230	715 x 1540 x 1310	820 x 1540 x 1490
	Standard Fuel Storage Volume	lit 300		500	
SILO	W <sub>1</sub> L <sub>2</sub> Width & Depth	mm 450-850		800-900	
	Empty Weight	kg 35		45	



Hydro Type



Pellet Fuel



Changeable Burner



Ceramic Igniter



Programmable Timer



Back Burn Control



Different Auger Length Options



Different Silo Options



Protocol



Auto Tube Cleaning



Touch Screen



Remote Control



3 Way Valve



Boiler Control

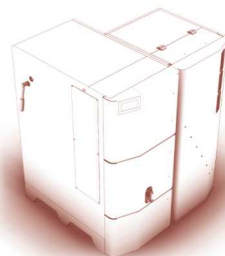


Outside Air Temperature Control



OPTIONAL

# TAIGA SERIES



## SPECIALLY DESIGNED PELLET BOILER

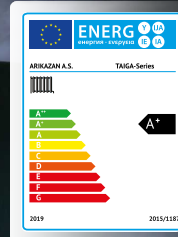
### Superior Features of Taiga Series

- Award-winning design
- Automatic ignition system
- Automatic boiler pipe cleaning
- Automatic burner cleaning
- Automatic ash discharge system
- Automatic adjustment of fuel flow with automatic fuel-air ratio adjustment
- Easy access to burner and ash box
- Stylish triple cover design
- Easy mounting for narrow spaces with integrated fuel tank
- Flexible installation, convenient use with closed expansion tank
- Compact installation alternative with fuel tank
- Remote control with internet connection
- User-friendly digital display
- Proper value combustion performance with superior control software
- Easy Service & Maintenance



# TAIGA series

## New Generation Pellet Boilers



Taiga Series pellet boilers, with their new generation appearance, are designed to accompany you for many years with the special pipes and steel used.

Thanks to its special design, Taiga attracts users with its simplicity and ergonomic structure.

High efficiency is achieved with the modulated air-fuel control in Taiga. While Taiga offers high efficiency and safe use, it still counts as a budget friendly product.

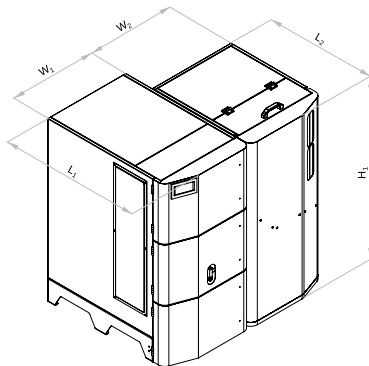
Automatic pipe, grate and ash cleaning provides the customer with easy-to-use access.

With its compact size and integrated fuel tank that can fit even in the smallest spaces, it allows you to save space. Thanks to its compact structure designed by expert engineers, it accelerates installation for the user.

Unlike other pellet boilers, Taiga facilitates access to the burner and ash box thanks to its stylish triple door design.

*Exceptional Design...*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF TAIGA SERIES

	UNIT	MODEL		
		TAIGA-12	TAIGA-23	TAIGA-40
CAPACITY	Nominal & Minimum Heat Output	kW 12 - 3.6	23 - 6.9	40 - 12
		kcal/h 10320 - 3096	19780 - 5934	34400 - 10320
	Net Efficiency (Nominal-Minimum)	% 90.8 - 90.0	91.6 - 91.6	92.4 - 93.6
	Seasonal Efficiency	% 75	79	81
	Energy Efficiency Index	- 112	117	120
OPERATING CONDITIONS	Energy Efficiency Ratings	- A+	A+	
	Boiler Class	Class 5 According to EN 303-5		
	Safety Limit Temperature	95		
	Setting Range for Operating Temperature	80 - 65		
	Minimum Water Return Temperature	55		
MAIN DIMENSIONS	Operating & Test Pressure	3-4.5		
	Electrical Connection	230 Vac, 50 Hz		
	Nominal & Maximum Electrical Input	116 - 450	102 - 450	105 - 450
	Average Electricity Consumption	W 90	110	165
	Recommended Fuel Types	D6 mm, High Quality Pellet EN Plus A1 A2		
SILO	W <sub>1</sub> L <sub>1</sub> Cabin Width & Depth	mm 515 - 853	595 - 952	595 - 1080
	H <sub>1</sub> Height	mm 1210		1410
	Water Content	lt 25	50	75
	Empty & Gross Weight	kg 195 - 220	245 - 265	310 - 330
	(W x H x D) Wooden Case Freight Dimensions	mm 635 x 1300 x 1220	715 x 1300 x 1220	715 x 1500 x 1250
	Standard Fuel Storage Volume	lt 330	415	
	W <sub>2</sub> L <sub>2</sub> Width & Depth	kg 230		290
	Empty Weight	mm 6 00 - 750		
		kg 35		40



Hydro Type



Pellet Fuel



Changeable Burner



Ceramic Igniter



Programmable Timer



Expansion Tank

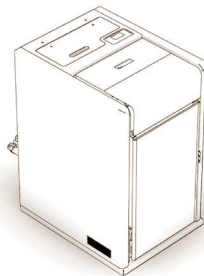


Cabin Pressure Discharge Plug

FEATURES

SERIES

TANIS



## HYDRO TYPE AUTOMATIC PELLET STOVES

### Superior Features of Tanis Series

- Award-winning design
- Automatic ignition
- Automatic pellet feeding
- High efficiency
- Aesthetic windshield
- Heat resistant ROBAX® glass
- Long lasting with steel body
- Manual burner cleaning
- Manual flame/smoke pipe cleaning
- Large integrated fuel tank
- User-friendly control panel
- Superior software supported combustion algorithm
- Proportional air fan control with unique software support
- Flexible installation feature
- Easy Service & Maintenance

# TANIS series

Fire Effect Pellet Stoves



Tanis opens the doors to a privileged life. On cold winter days, it invites you to a visual feast with its charm that draws you to a warm home.

One of the features that make Tanis different from others is that it provides heating by leading hot water directly to your radiators with a water jacket, not by blowing hot air, therefore increasing your comfort.

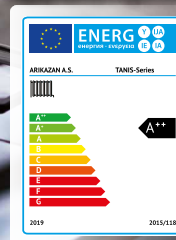
While Tanis increases your comfort, it is cost efficient. In addition, it gives you the opportunity to install it in a short time with the ceramic heater, which is not available in its opponents.

With its heater and external grill cleaning arm, it is easy to use for customers.

Did you know that the Tanis series pellet floor heaters are designed to be an all-in-one product?

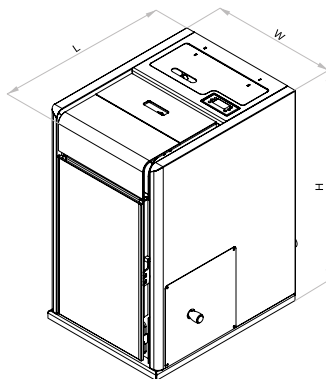
It is delivered to your home ready for installation with its burner, closed expansion tank, circulation pump and complete hydraulic unit included.

In addition, the level of security is doubled by using heat-resistant ROBAX® thermal glass and pressure discharge covers.



*Rediscover Warmth with Tanis...*

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF TANIS SERIES

	UNIT	MODEL		
		TANIS 12	TANIS 18	TANIS 25
CAPACITY	Nominal - Minimum Heat Input	kW 12 - 3.6	18 - 5.4	25 - 7.5
		kcal/h 10320 - 3096	15480 - 4644	21500 - 6450
	Net Efficiency (Nominal-Minimum)	% +90%	+90%	+90%
	Seasonal Efficiency	% 89	91	91
	Energy Efficiency Index	- 131	133	133
OPERATING CONDITIONS	Energy Efficiency Ratings	- A++	A++	A++
	Safety Limit Temperature	°C 95		
	Maximum Operating Temperature	°C 80		
	Minimum Water Return Temperature	°C 55		
	Electricity Connection	- 230 Vac, 50 Hz		
	Nominal & Maximum Electrical Input	Watt 50 / 240	130 / 340	130 / 340
	Required Stack Draught (vacuum)	Pa -10		
MAIN DIMENSIONS	Fuel Type	- Ø6 mm Premium Quality Pellet, EN Plus A1		
	Approximate Fuel Consumption <b>in full &amp; partial load</b>	kg/h 2.8 - 0.84	4.2 - 1.26	5.8 - 1.75
	W. Total Width	mm 540	590	
	L. Depth	mm 800 ± 3	765 ± 3	
	H. Height	mm 990	1100	1195
INSTALLATION WATER	Boiler Empty Weight & Freight Weight	kg 165 - 180.5	204.5 - 225	255 - 280
	Freight Dimensions (width x depth x height)	mm 645x785x1060	695x795x1260	695x795x1360
	Expansion Tank Volume	lt 8		
	Water Content	lt 45	62	62
Storage Volume		lt 38	62	75
		kg 25	40	50



2  
YEAR  
WARRANTY

PATENTED  
PATENTED  
PATENTED



FEATURES



LEXTA SERIES



## FIRE EFFECT PELLET STOVES

### Superior Features of Lexta Series

- Automatic Ignition and fuel loading as needed
- Mechanical Cleaning system
- Stack temperature control
- Large integrated fuel tank
- User-friendly control panel
- Unique software assisted combustion algorithm
- Child lock
- Heat resistant ROBAX® glass
- Protective aesthetic outer glass
- Design providing ease of service & maintenance
- Easy installation with standard chimney size

# LEXTA series

## Fire Effect Pellet Stoves



Lexta Series Hydro pellet stoves are designed for those who want to feel the warmth of the actual fire. Lexta Series provides heating by providing hot water directly to your radiators with a water jacket, not by blowing hot air like its equivalents in the market.

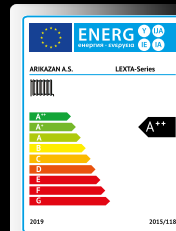
ROBAX® thermal-resistant glass and pressure discharge valves are used in Lexta Series for extra safety.

The water jacket provides full comfort without compromising your pocket.

The compact structure of the Lexta Series is equipped with highly qualified features compared to competitors. With the large integrated fuel tank, fuel loading intervals were extended to the maximum.

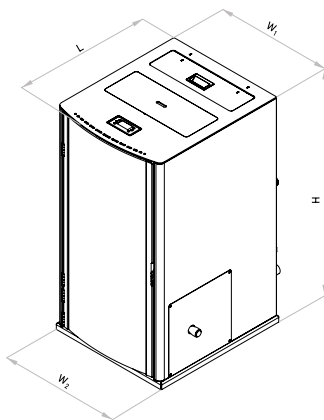
Lexta Series is designed as a package system that contains its burner, expansion tank, circulation pump, and complete plumbing assembly. This series is easy to install, easy to clean, and easy to operate.

Thanks to the movable grate, the cleaning period extends without opening the front door. The Lexta Series cares for your home as well as your pocket.



*Flames to Warm the Heart...*

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF LEXTA SERIES

TECHNICAL SPECIFICATIONS OF LEXTA SERIES			UNIT	MODEL		
				LEXTA 12	LEXTA 18	LEXTA 25
CAPACITY	Nominal - Minimum Heat Output		kW	12 - 3.6	18 - 5.4	25 - 7.5
			kcal/h	10320 - 3096	15480 - 4644	21500 - 6450
OPERATING CONDITIONS	Direct Efficiency Full Load		%	>90%	>90%	>90%
	Safety Limit Temperature		°C	95		
	Maximum Operating Temperature		°C	80		
	Minimum Water Return Temperature		°C	55		
	Operating & Test Pressure		bar	1.5-4		
	Electrical Connection		-	230 Vac, 50 Hz		
	Required Stack Draught (vacuum)		Pa	-10		
	Fuel Type		-	Ø6 mm Premium Quality Pellet, EN Plus A1		
MAIN DIMENSIONS	Approximate Fuel Consumption	in full & partial load	kg/h	2.8 - 0.84	4.2 - 1.26	5.8 - 1.75
	W <sub>1</sub> , W <sub>2</sub> Total Width		mm	525 - 540	575 - 590	575 - 590
	L Length		mm	823 ± 3	790 ± 3	790 ± 3
	H Boiler Height		mm	890	1090	1185
	Boiler Empty Weight & Freight Weight		kg	165 - 180.5	204.5 - 225	255 - 280
	Freight Dimensions (width x depth x height)		mm	445x810x1050	695x820x1250	695x820x1350
INSTALLATION WATER	Expansion Tank Volume		lt	8		
	Water Content		lt	45	62	62
Storage Volume			lt	38	62	75
			kg	25	40	55



Programmable  
Timer



Air Blow



Changeable  
Burner



Ceramic  
Igniter



Pellet Funnel



Cabin Pressure  
Discharge Flap

FEATURES

# ALIZÉ SERIES



## HOT AIR VENTING PELLET STOVES

### Superior Features of Alizé Series

- Automatic ignition and pellet feeding system
- Manual cleaning system
- Large integrated fuel tank
- User-friendly advanced control panel
- Unique software-assisted combustion algorithm
- Flame control
- Child-lock caps
- Heat resistant ROBAX® glass
- Protective aesthetic outer glass
- Easy to install with standard chimney size
- Easy Service & Maintenance



# ALIZÉ series

Hot Air Venting Pellet Stoves



Alizé series are designed to for those who want to experience pellet heating and feel the heat of the flame. Its aim is to provide comfortable heating by adding a modern fireplace atmosphere.

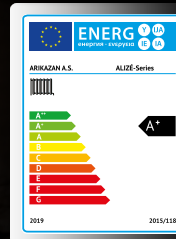
The easy-access panel on the front, the cleaning mechanism designed for cleaning without opening the door, the aluminum heat fins for high efficiency are the immediately outstanding features.

It provides a visual effect with its impact and heat-resistant stylish curved glass.

Alizé series products are produced with a much more advanced technology than their competitors.

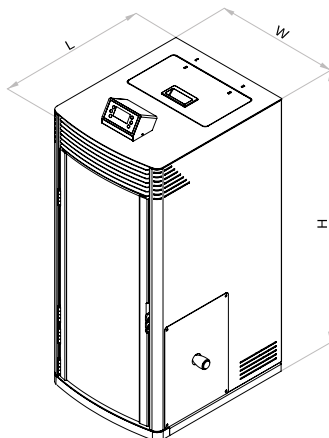
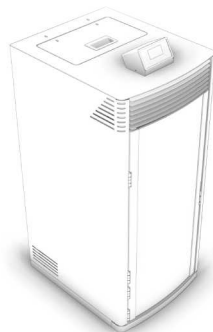
With the integrated fuel tank options up to 65 liters, the fuel loading intervals have been extended for you. Safety has been moved to the upper class with a built in child lock.

Its movable grill with cleaning action extends the cleaning period without the need to open the front door. The products of the Alizé series consider the cleanliness of your home as well as your pocket.



*A Modern Way to Enjoy an Old Style..*

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF ALIZE SERIES

	UNIT	MODEL	
		ALIZE 8	ALIZE 15
CAPACITY	Nominal - Minimum Heat Output	kW 8 - 2,4	15 - 4,5
		kcal/h 6880 - 2064	12900 - 3870
	Combustion Efficiency, at Full Load	%	
		> 90 %	
OPERATING CONDITIONS	Fuel Type	-	
		Ø6 mm Premium Quality EN Plus A1	
	Room Temperature Setting Range	°C	
		10-40	
	Max. Hot Air Flow Rate	m³/h 290	600
	Max. Heating Air Temperature	°C 130	150
	Electrical Connections	-	
		230 Vac, 50 Hz	
	Required Stack Draught (vacuum)	Pa	
		-10	
MAIN DIMENSIONS	Approximate Fuel Consump. <b>at fuel &amp; partial load</b>	kg/h 1,8 - 0,6	3,5 - 1,0
	Average Power Consumption <b>at fuel load</b>	Watt 150	240
	Airborne Noise Level <b>at fuel load</b>	dB 53	70
	W. Width	mm 540	
	L. Depth	mm 640	
	H. Height	mm 880	
	Air Inlet Diameter	inch 11/4"	
	Boiler Weight & Freight Weight	kg 150 - 175	167 - 192
	Freight Dimensions (width x depth x height)	mm 630 x 770 x 1000	630 x 830 x 1200
	Fuel Storage Silo Volume	lt 38	65
		kg 25	45



SERIES

CORTENA



## ALL-IN-ONE PELLET STOVES

### Superior Features of Cortena Series

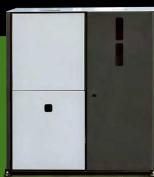
- Automatic ignition
- Automatic grill cleaning
- Perfect burning with proportional air fan
- User-friendly control panel
- Includes circulation pump and expansion tank
- Superior software supported combustion algorithm
- Large integrated fuel storage
- Easy to clean
- Flexible installation feature
- Easy service & maintenance design
- Outstanding safety measures
- Package system and plug-and-play feature



FEATURES

# CORTENA series

All-in-one Pellet Boilers



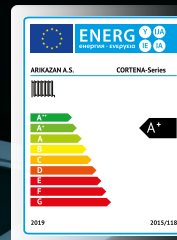
Cortena series pellet boilers are designed to fit in limited spaces. Thanks to this feature, it can be easily installed in small boiler rooms and even on balconies.

Cortena devices are designed as a package system. It is ready to work as soon as you install it in your house with its burner, closed expansion tank, pump and plumbing.

Cortena series is equipped with many more features than its competitors. The fuel loading intervals are extended to the maximum with the 100 liter Onboard fuel tank. In addition, it offers the opportunity to be activated in a short time with a ceramic heater, which is not available in its other opponents.

The safety provided by the gas pressure discharge caps, which are not found in similar models, takes this model to the top level.

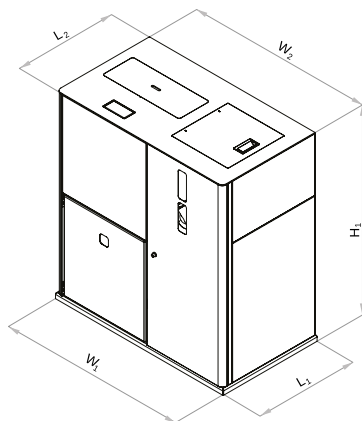
Thanks to its Automatic Cleaning feature, its movable grate works to evacuate the ash accumulated in the burner without the need to open the front door.



*Cortena*

*Your Pellet Boiler Now on the Balcony...*

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF CORTENA SERIES

	UNIT	MODEL
		C23
CAPACITY	Nominal-Minimum Heat Output	kW 23 - 6.9
	Efficiency (Nominal-Minimum)	kcal/h 19780 - 5934
	Seasonal Efficiency	% 91.24 - 92.52
	Energy Efficiency Index	- 88
	Energy Efficiency Ratings	- 129
OPERATING CONDITIONS	Safety Limit Temperature	°C 95
	Max. Operating Temperature	°C 80
	Min. Water Return Temperature	°C 55
	Operating & Test Pressure	bar 1.5 - 4
	Electrical Connection	- 230 Vac, 50 Hz
	Nominal & Maximum Electrical Input	Watt 140 - 340
	Required Stack Draught (vacuum)	Pa -10
	Fuel Type	- 06 mm Premium Quality, EN Plus A1
	Approximate Fuel Consumption	kg/h 5.4 - 1.6
		<b>in full &amp; partial load</b>
MAIN DIMENSIONS	W <sub>1</sub> , W <sub>2</sub> , Base & Boiler Width	mm 1015 - 1000
	L <sub>1</sub> , L <sub>2</sub> , Base and Boiler Length	mm 570 - 560
	H <sub>1</sub> , Boiler Height	mm 1090
	Boiler Empty Weight & Freight Weight	kg 325 - 350
	(width x depth x height) Freight Dimensions	mm 710x160x1250
INSTALLATION	Expansion Tank Volume	lt 12
CONNECTIONS	Water	lt 65
	Water Content	lt 100
Storage Volume		kg 75



2  
YEAR  
WARRANTY



# VENTUM SERIES



## NEW GENERATION GASIFICATION BOILERS

### Superior Features of Ventum Series

- Independently adjustable primary and secondary combustion air
- Functional and user-friendly control panel
- Induced draft fan with modulation
- Vertical heat exchanger pipes with turbulators
- Newly designed refractory concrete parts are:
  - Smaller and lighter for easy serving
  - Modular for easy replacement
- Bypass channel is bigger than ever
- A mechanical switch detects that the door is open and commands the fan to run at full capacity
- The ellipsoid form of the combustion chamber allows more fuel to be loaded
- Provides internal negative pressure safety
- Replaceable emergency heat evacuation system
- Dual-purpose anti-tare plates:
  - Prevents and reduces condensation in the boiler
  - Preheat acts as an inlet air duct, increasing efficiency
- Large collecting tray for easy cleaning and ash removal



Wood



Wide Doors



Gasification



Regulated Fan



Long Life



Anti-  
condensation  
Valve



Boiler  
Control



Mechanical  
Thermostatic  
Valve

OPTIONAL

# VENTUM series

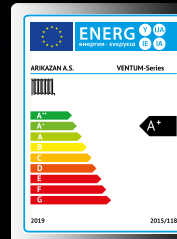
## New Generation Gasification Boilers



The Ventum gasification boiler is designed for efficiency, economical and conservation of the environment. 92% efficiency, emissions well below European and German regulations, compliance with wood fuel moistures of up to 33%, superior health and safety features and easy-to-use electronic controls are testament to the quality and excellence of this gasification boiler.

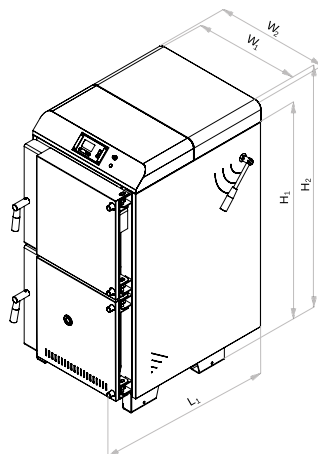
Fully adaptable and connectable with summer/winter seasonal setting. Combined with a buffer tank, efficiency and performance are further increased as well as reducing refueling intervals.

Thanks to the security lock on the front door, you do not have to compromise your safety while loading the boiler. You can enjoy watching the flame from the observation window positioned on the bottom cover and produced with heat resistant ROBAX® glass. It increases the combustion efficiency and as a result extends the cleaning intervals. This process increases your comfort and reduces your expenses.



*Europe's First Choice in Gasification Boilers...*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF VENTUM SERIES

TECHNICAL SPECIFICATIONS OF VENTUM SERIES		UNIT	MODEL						
			VG-20	VG-30	VG-40	VG-60	VG-80	VG-100	
CAPACITY	Nominal Heat Output	kW	20	30	40	60	80	100	
		kcal/h	17200	25800	34400	51600	68800	86000	
	Direct Efficiency	%	88.8	90.9	91.2	91.2	91.7	92.2	
	Seasonal Efficiency	%	77	79	79	80	81	81	
	Energy Efficiency Index	-	113	117	117	117	118	119	
	Energy Efficiency Ratings	-	A+	A+	A+	A+	A+	A+	
Boiler Class			CLASS 5 According to EN 303-5						
Safety Limit Temperature		°C	97						
Setting Range of Operating Temperature		°C	85 - 55						
Min. Water Return Temperature		°C	55						
Operating Pressure		bar	3						
Boiler Test Pressure		Production Test / Type Test	4.5 / 6						
Electrical Connection		-	230 Vac, 50 Hz						
OPERATING CONDITIONS	Recommended Fuel Types	-	Ø80x500 mm			Ø80x700 mm		Ø80x1000 mm 2xØ80x500mm	
			Hard Wood, 15% + Humidity + 30% *						
	Minimum Required Stack Draught	Pa	10						
	Boiler Gas Side Resistance	Pa	125	110	140	230	240	250	
	Boiler Water Side Pressure Drop	DT ~ 20 °C	mbar	11.0	3.2	5.5	23.0	25.0	28.0
	Fuel Filling Volume	l / kg	89 / 30	113 / 40	137 / 50	200 / 70	385 / 135		
	Tested Combustion Period	h	2						
	Approximately Combustion Period	h	4-5						
	Required Accumulation Tank Volume	l	1000	1500	2000	3000	4500	5500	
	Airborne Noise Level	dB	+ 60 dB						
MAIN DIMENSIONS	W <sub>1</sub> Boiler Width	mm	600				650		
	W <sub>2</sub> Total Width with Cover Plates	mm	650				700		
	L <sub>1</sub> Boiler Length	mm	1060			1360	1635	1805	
	H <sub>1</sub> Boiler Height	mm	1060	1210	1310	1360	1610		
	H <sub>2</sub> Total Height	mm	1165	1315	1415	1465	1715		
	Water Content	l	90	104	114	168	285	345	
	Approximate Empty Weight	kg	385	425	450	600	860	960	



Hydro Type



Pellet+Wood Fuel



Changeable Burner



Ceramic Igniter



Photocell



Touch Screen



Burnt Control



Programmable Timer



Mechanical Thermostatic Valve



Anti-Condensation Valve

FEATURES

OPTIONAL

# DEVRON SERIES



## DUEL FUEL GASIFICATION BOILERS

### Superior Features of Devron Series

- Economical and comfortable heating
- Easy cleaning and maintenance
- Durable structure offers long service life
- Emergency Cooling System
- External fuel tank
- Automatic switching between fuels
- Periscopic hinge adapter for easy disassembly and cleaning
- Automatic ignition for pellet burner
- Automatic adjustment of pellet dosage
- Double fan combustion control
- User-friendly control system with digital display
- Software-tuned combustion for optimum performance

# DEVRON series

## New Generation Gasification Boilers

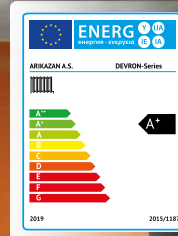


The Devron series has been developed as an efficient and economical dual fuel system for wood logs and wood pellet users. It can automatically switch between fuels according to the need.

Large heat absorbing surfaces, enlarged hot gas passages and preheated air intake make Devron series boilers one of the most efficient products on the market.

Unlike many boilers on the market, the Devron series has vertical heat exchanger pipes in front of the flue gas outlet. Thanks to this feature, it provides maximum efficiency in both fuel modes by further increasing the energy gain before it runs out.

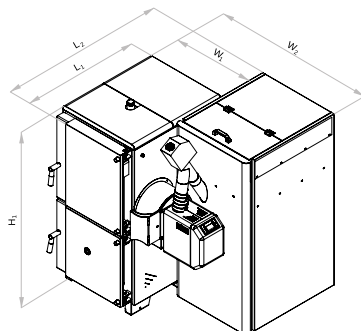
The smart design of Devron also allows easy dismantling, maintenance and installation of the burner. The Devron series is equipped with an emergency system that will be activated in case of a power outage or any malfunction that causes the temperature of the boiler to rise rapidly and can instantly cool the system.



arikazan  
DEVRON

Versatile Dual Fuel Gasification Boiler...

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF DEVRON SERIES

	UNIT	MODEL		
		DEVRON 30	DEVRON 40	DEVRON 60
CAPACITY	Heat Output Range	Wood kW 25800	40 34400	62 53320
		Pellet kW 9 - 30	12 - 40	16 - 55
	Direct Efficiency	Wood / Pellet (nominal-min.) kcal/h 7740 - 25800	90.6 / 91.2-88.7 10320 - 34400	90.3 / 91.3-89.7 13760 - 47300
		Seasonal Efficiency % 79 / 78	90.6 / 91.2-89.1 79 / 79	90.3 / 91.3-89.7 79 / 80
	Energy Efficiency Index	Wood / Pellet - 117 / 115	117 / 116	116 / 117
		Energy Efficiency Ratings Wood / Pellet - A+ / A+	A+ / A+	A+ / A+
OPERATING CONDITIONS	Boiler Class According to EN 303-5	Wood / Pellet -	5 / 5	5 / 4
	Safety Limit Temperature	°C	97	
	Setting Range of Operating Temperature	°C	55 - 85	
	Min. Water Return Temperature	°C	55	
	Operating Pressure	bar	3	
	Boiler Test Pressure	bar	4.5 / 6	
	Electrical Connection	Production Test / Type Test -	230 Vac, 50 Hz, Fuse 6.3A	
	Recommended Fuel Types	Wood / Pellet	Wood A Hard Wood, 15% + Humidity + 25% / Wood Pellet C1 04 mm Premium Quality DIN EN Plus A1	
	Minimum Required Stack Draught (vacuum)	Pa	10	
	Boiler Gas Side Resistance	Pa	110	140
MAIN DIMENSIONS	Boiler Water Side Pressure Drop	mbar	445/95	446/86
	Fuel Filling Volume	l / kg	120 / 42	160 / 56
	Tested Combustion Period for Wood	h	2	
	Approximately Combustion Period for Wood	h	4 - 5	
	Required Accumulation Tank Volume	l	1500	3000
	Airborne Noise Level	dB	+60 dB	
	W1, Boiler Width	mm	650	
	W2, Total Width	mm	1305	1360
	L1, Boiler Length	mm	970	1270
	L2, Total Length	mm	1342	1642
	H1, Boiler Height	mm	1210	1310
	Water Content	mm	105	115
	Approx. Empty Weight	kg	445	470



2  
YEAR  
WARRANTY

# NOVA SERIES



## HOT AIR GENERATORS

### Superior Features of Nova Series

- Automatic ignition and pellet feeding system
- User-friendly advanced control panel
- Unique software-assisted combustion algorithm
- Flame control
- Long lasting
- Easy cleaning & maintenance
- Flame control
- Periscopic hinge adapter for easy disassembly and cleaning
- High efficiency and low emissions
- Fast and homogeneous heating
- All-steel combustion chamber
- Ability to work with different types of burners
- Easy Service & Maintenance



FEATURES

# NOVA series

All-Weather Compatible Pellet Stoves



Nova series pellet stoves are specially designed for our customers who are looking for a product compatible with all weather conditions, independent of the installation, and also for products able to provide heat to specifically large areas.

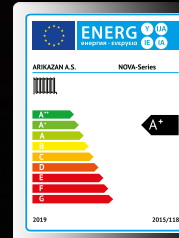
Considering the needs of the industry, it has become one of the best in its class in terms of being easy to use and economical, as a result of the thorough work of our expert staff. With its launch, it attracted the attention of customers and the industry developed an appreciation for it.

Our product stands out with its user-friendly intelligent control system, automatic feeding, automatic temperature control, automatic ignition, over-temperature protection.

With its unique design, it quickly distributes hot air, bringing the temperature up to your desired level.

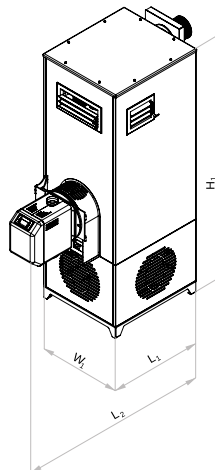
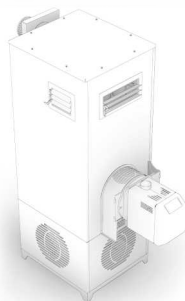
Nova 50 means stability, safety, performance and energy savings. Pellet, one of the most used fuels in recent years, allows you to reduce your costs compared to traditional fossil fuels.

ARIKAZAN always pays extra attention to choose solid and reliable materials in order to offer high quality products to our valued customers.



*Details That Warm Your Heart...*

## Certification and Incentive Programmes

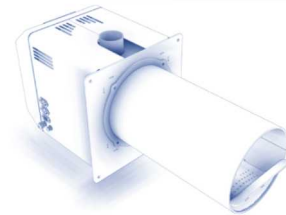


## TECHNICAL SPECIFICATIONS OF NOVA SERIES

	UNIT	MODEL		
		NOVA 25	NOVA 50	NOVA 80
CAPACITY	Nominal - Minimum Heat Output	kW 25 - 7.5	50 - 15	80 - 24
		kcal/h 21500 - 6450	43000 - 12900	68800 - 20640
	Combustion Efficiency, at Full Load	≥90%		
OPERATING CONDITIONS	Fuel Type	Ø6 mm Premium Quality, EN Plus A1		
	Temperature Setting Range	°C 50-100	50-100	50-100
	Max. Hot Air Flow Rate	m³/h 1500	3200	4000
	Heating Air Temperature	°C 75-100		
	Electrical Connections	- 230 Vac, 50 Hz	230 Vac, 50 Hz	380 Vac, 50 Hz
	Required Stack Draught (vacuum)	Pa -10		
	Approximate Fuel Consumption Average Power Consumption	at full & partial load kg/h 400 Watt	11 - 3.3 800	17.8 - 5.3 950
MAIN DIMENSIONS	Airbone Noise Level	at full load dB 65	66	62
	W <sub>1</sub> , Width	mm 530	650	700
	L <sub>1</sub> , Depth	mm 600	718	818
	L <sub>2</sub> , Total Depth	mm 1280	1450	1625
	H <sub>1</sub> , Height	mm 1742	1918	1975
	Boiler Weight & Freight Weight	kg 250 - 285	300 - 335	435 - 470
	Freight Dimensions (width x depth x height)	mm 615 x 1410 x 1855	735 x 1580 x 2030	785 x 1735 x 2235



# STELLA SERIES



## STANDALONE PELLET BURNERS

### Superior Features of Stella Series

- Automatic Pellet Feeding
- Automatic Flame Control
- Superior Security Systems
- Simple yet sturdy new compact construction suitable and protective for any environment
- A dedicated integrated air fan
- Control panel with advanced features to save fuel
- Very special efficient combustion grill design
- Easy Service & Maintenance



# STELLA series

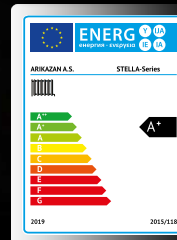
## Externally Mounted Pellet Burners



Stella Series burners are Turkey's first mass-produced outboard pellet burner. They are durable products that are efficient and adaptable to any environment.

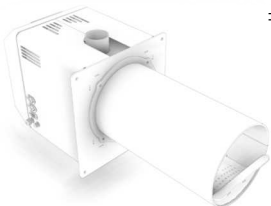
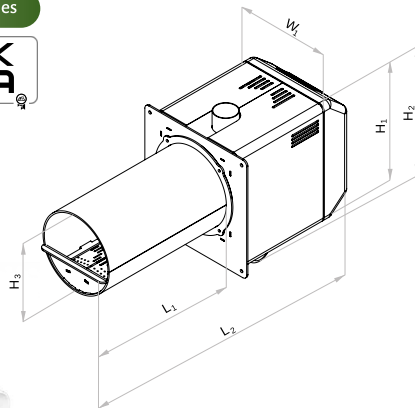
It is a solution product that is preferred especially in fuel conversion works and has an appropriate initial investment cost.

Outboard and compatible with almost any boiler, Stella burners are the ideal solution for those who want to keep their existing central system boilers and also want to switch to pellet fuel.



*The Ideal Solution to Become Eco Friendly...*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF STELLA SERIES

	UNIT	MODEL		
		ST25	ST50	ST80
CAPACITY	Nominal - Minimum Heat Output	kW 25 - 7.5	50 - 15	80 - 24
		kcal/h 21500 - 6450	43000 - 12900	68800 - 20640
OPERATING CONDITIONS	Safety Limit Temperature	95		
	Maximum Operating Temperature	80		
	Minimum Water Return Temperature	55		
	Electrical Connection	230 Vac ±10%, 50 Hz, 5A Fuse		
	Fuel Type	D6 mm Premium Quality Wood Pellet C1, EN Plus A1		
MAIN DIMENSIONS	Approximate Fuel Consumption <i>in full &amp; partial load</i>	kg/h 4.6 - 1.36	9.3 - 2.74	18.6 - 5.6
	W <sub>1</sub> Width	mm 214		
	L <sub>1</sub> Depth	mm 575	635	685
	H <sub>1</sub> Height	mm 336		
	H <sub>2</sub> Total Height	mm 419		
	H <sub>3</sub> Blast Tube Diameter	mm 187		
	L <sub>1</sub> Blast Tube Length	mm 267	273	278
	Weight	kg 27	32	42
	Freight Dimensions (width x depth x height)	mm 360 x 663 x 570	360 x 669 x 570	360 x 674 x 570
	Gross Freight Weight	kg 30	35	45
OTHER SPECIFICATIONS	Fan Power	W 50		
	Maximum Pump Support	A 1 Amp.		
	Feeder Motor Support	A 1 Amp.		
	Igniter Type	- 2x200 W ceramic (maximum 3 Amp. Support)		
	Boiler Temperature Sensor Type	- NTC 10K		
	Other Functions	- Programmable Chrono, One Extra Configurable I/O (Input 0-5 V/Output 3 Amp.), Room Thermostat (optional)		





Wood



Coal



3-Doors



Long Life



Large Heating Surface



Regulated Fan



Large Loading Volume



Wide Doors



High Efficiency

FEATURES

# ROBUS SERIES



## PREMIUM QUALITY SOLID FUEL BOILERS

### Superior Features of Robus Series

- 3-doors, easy to open and close lid
- Adjustable hinge
- Large combustion chamber
- Easy fuel loading thanks to wide covers
- High heating surface
- High efficiency and heating capacity
- High strength and long life
- Tubeless type, with plate heat exchanger
- Ease of ash discharge with the grill tilting handle
- Opportunity to work with wood, coal, etc.
- Speed-adjustable fan that keeps the ambient temperature constant
- Minimum heat loss thanks to insulation material
- Mechanical thermostat or optional specially developed digital control panel
- Adjustable flue flap
- Easy Cleaning & Maintenance

# ROBUS series

Pellet Boilers with Extraordinary Design

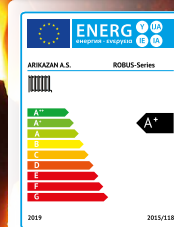


Robus series solid fuel boilers, designed by prioritizing difficult conditions and continuous use. It is especially recommended for detached residences, workplaces and facilities where natural gas is not available and liquid fuel is an expensive option.

The Robus series, which has a very low initial investment cost, offers plate heat exchangers that provide a great convenience in cleaning. Wide loading doors and large combustion chamber allow you to load large amounts of fuel in one go quickly and comfortably.

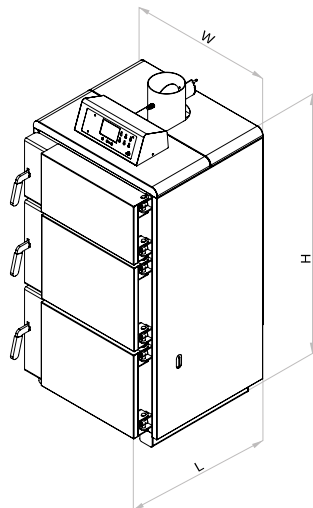
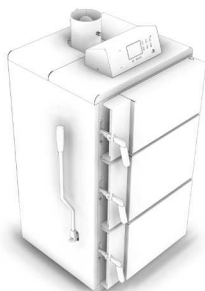
In addition, Robus series boilers, which are equipped with additional features compared to other products on the market, are designed to serve you for many years with their durable structure. Unlike traditional smoke tube boiler models, the "Plate Heat Exchanger"™ system eliminates the problem of heavy accumulation of soot in the tubes and offers easy cleaning and maintenance.

The smoke gases formed in the combustion chamber make three passes through the plate bundles before reaching the chimney. Features such as forced air fan, chimney regulator and draft limiter are some of the prominent features of the ROBUS series.



*Definition of Robust...*

## Certification and Incentive Programmes



## TECHNICAL SPECIFICATIONS OF ROBUS SERIES

TECHNICAL SPECIFICATIONS OF ROBUS SERIES		UNIT	MODEL			
			Robus 25	Robus 40	Robus 60	
OPERATING CONDITIONS	Capacity	kW	29	47	70	
		kcal/h	25000	40000	60000	
	Approximate Efficiency	%	83			
	Fuel Type	-	Coal, Wood			
	Electrical Connections	-	230 Vac, 50 Hz			
	Operating Pressure	bar	2.5			
	Test Pressure	bar	4			
	Safety Limit Temperature	°C	95			
MAIN DIMENSIONS	Boiler Temperature Range	°C	50-80			
	Min. Water Return Temperature	°C	40			
	W. Width	mm	600			
	L. Depth	mm	685	785	910	
	H. Height	mm	1196			
	Boiler Empty Weight	kg	285	320	360	
	Boiler Water Volume	lt	75	85	100	
	Recommended Expansion Tank Volume	lt	150	200	300	
OTHER PROPERTIES	Fuel Loading Dimensions	mm	370 x 400			
	Recommended Fuel Loading Height	mm	250			
	Approximate Fuel Storage Volume	lt	45	55	70	
	Fuel Amount	Coal	kg	30	40	50
		Wood	kg	20	25	30

2  
YEAR  
WARRANTY



Wood



Coal



3-Doors



Long Life



Large Heating Surface



Regulated Fan



High Efficiency

FEATURES

# R-MK SERIES



## SOLID FUEL BOILERS

### Superior Features of R-MK Series

- Easy to use with 3 doors
- High efficiency and heating capacity
- High strength and long life
- Tubeless type, with plate heat exchanger
- Mechanical thermostat or optional specially developed digital control panel
- Ease of ash discharge with the grill tilting handle
- Possibility of working with wood, coal, etc.
- Speed-adjustable fan that keeps the ambient temperature constant
- Minimum heat loss thanks to insulation material
- Large heating surface
- Adjustable fan flap
- Easy Cleaning & Maintenance

# R-MK series

## Solid Fuel Boilers



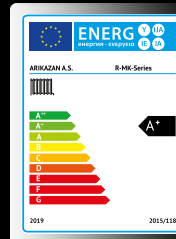
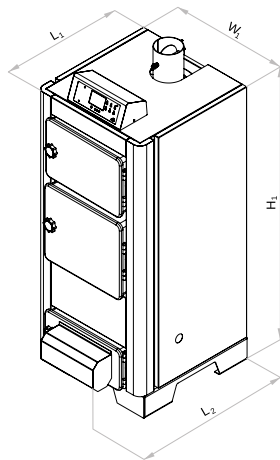
R-MK series solid fuel boilers, designed with ease of use and ease of cleaning, are an extremely low initial investment cost solution for detached houses and workplaces where natural gas is not available and liquid fuel is an expensive option.

These boilers provide great convenience in cleaning with Plate Heat Exchangers. Wide loading doors and large combustion chamber allow you to load large amounts of fuel in one go quickly and comfortably. In addition, the R-MK series boilers, which are equipped with additional features compared to other products in the market, can be carried easily with their small structure and provide convenience during installation.

Unlike traditional smoke tube boiler models, the "Plate Heat Exchanger" system eliminates the problem of soot accumulation in the pipes and offers easy cleaning and maintenance. It prevents pressure rises with the cabin pressure relief valve located on the rear surface. The flue gas formed in the combustion chamber make three passes through the plate bundles before reaching the chimney.

Features such as forced air fan, chimney regulator and traction limiter on the front covers are some of the prominent features of the R-MK series.

### Certification and Incentive Programmes



*Economical Comfort...*

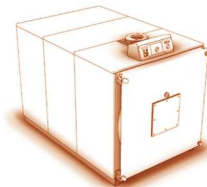
### TECHNICAL SPECIFICATIONS RMK SERIES

	UNIT	MODEL			
		RMK - 25	RMK - 40	RMK - 60	RMK - 80
CAPACITY	Nominal Heat Output	29	47	70	80
		25,000	40,000	60,000	80,000
	Approximate Combustion Efficiency	> 83%			
OPERATING CONDITIONS	Safety Limit Temperature	95			
	Setting Range for Operation Temperature	50-80			
	Pump Operating Temperature (Configurable)	30-50			
	Boiler Operating & Test Pressure	2.5 - 4			
	Electrical Connection	230 Vac, 50 Hz			
MAIN DIMENSIONS	Required Chimney Draught	0.2 - 0.4			
	W <sub>1</sub> Boiler Width	590		740	
	L <sub>1</sub> Boiler Length	650		805	
	L <sub>2</sub> Total Length	780		935	
	H <sub>1</sub> Boiler Height	1,350		1,410	
	Empty Boiler Weight	205		235	
	Freight Dimensions	630x800x1480		780x955x1560	
WATER INSTALLATION CONNECTIONS	Weight	210		370	
	Water Content	40		45	
	Recommended Expansion Tank Volume	150		200	
FUEL CAPACITY	Fuel Loading Dimensions	410 x 350			
	Approximate Fuel Storage Volume	35		65	
	Coal	25		45	
	Wood	18		32	





# ACK-2 SERIES



## TWO PASS HOT WATER BOILERS

### Superior Features of ACK-2 Series

- **Environmentally Friendly:** No substances or production methods harmful to the environment and people are used in the manufacturing process of our products. Not only do we implement environmentally friendly policies, we also ask our suppliers to take due care for their products.
- **Long Life:** Thanks to the design and calculations in accordance with European norms, the use of (EN 12953) certified material, balanced design in the thermal expansion zones and approved automatic resource managements, much longer trouble-free working times have been achieved.
- **Aesthetic Appearance:** Boiler outer cassette sheets are protected 3 times against corrosion and environmental conditions:
  1. Hot dip galvanized (GALVATITE®) steel material
  2. Special organic protective primer coating on both surfaces
  3. Top coat protective and aesthetic coating with special organic paint on the front surface (COLORCOAT®)



FEATURES

OPTIONAL

# ACK-2 series

## Two Pass Hot Water Boilers



Our ACK-2 series boilers work comfortably and efficiently with natural gas and liquid fuel burners.

ACK-2 Boilers work easily even in the worst working conditions thanks to their design in accordance with European norms.

Tens of thousands of ACK-2 series boilers have been serving successfully in Turkish and world markets for more than 20 years.

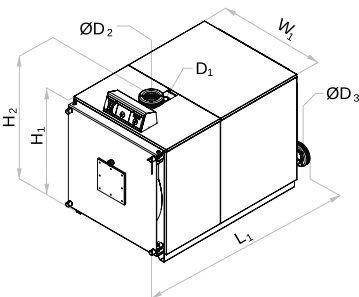
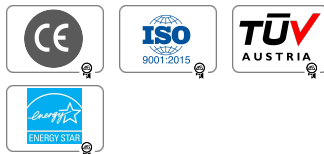
It has the feature of working in harmony with the burner. Thanks to our versatile design, there is no need for special high-pressure long-barrel burners.

High efficiency is achieved by providing smooth and silent combustion with all burners in accordance with EN 676 and EN 267 standards.



*Definition of Reliability and Economy..*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF ACK2 SERIES

OF ACK2 SERIES			UNIT	MODEL														
				ACK2-30	ACK2-40	ACK2-50	ACK2-60	ACK2-70	ACK2-80	ACK2-100	ACK2-120	ACK2-125	ACK2-140	ACK2-150	ACK2-160	ACK2-180		
CAPACITY	Nominal Heat Output		kW	35	47	58	70	81	93	116	140	145	163	174	186	209		
			kcal/h	30.000	40.000	50.000	60.000	70.000	80.000	100.000	120.000	125.000	140.000	150.000	160.000	180.000		
	Minimum Heat Output		kW	10.5	14	17.4	20.9	24.4	27.9	34.9	41.9	43.6	48.8	52.3	55.8	62.8		
			kcal/h	9.000	12.000	15.000	18.000	21.000	24.000	30.000	36.000	37.500	42.000	45.000	48.000	54.000		
	Direct Efficiency	In full load, 100% In partial load, 90%	%	92.8	92.4	92.6	92.6	92.2	92.8	92.8	92.8	92.8	92.8	92.9	92.7	92.8		
OPENING CONDITIONS	Technology	-	Two Pass, Low Temp. Counter Pressure B23 Type ** Efficiency Class. Hot Water Steel Boilers															
	Safety Limit Temperature	°C	95															
	Max. Operating Temperature	°C	90															
	Min. Water Return Temperature	°C	55															
	Operating Pressure	bar	3															
	Boiler Test Pressure	bar	4.5															
	Boiler Design Temperature	°C	150															
	Electrical Connection	-	230Vac, 50 Hz															
	Recommended Fuel Types	-	Fuel-Oil (6 cSt at 20 °C) & Natural Gas, LPG															
	Required Chimney Draught	mbar	-0.4 ~ 0															
MAIN DIMENSIONS	Stand-by Losses	%	0.16	0.14	0.12	0.12	0.11	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.08		
	Boiler Counter Pressure	mbar	0.17	0.23	0.27	0.6	0.6	0.65	0.7	1	1.02	1.14	1.18	1.26	1.33			
	Water Flow Resistance	mbar	0.38	0.63	0.76	0.82	0.95	1.34	1.7	2.2	3	2.4	4	2.7	3			
	W <sub>1</sub> , Total Width (With Cover Plates)	mm	650					710		850								
	L <sub>1</sub> , Length	mm	766	866	966	1.015	1.115	1.155	1.170				1.417			1.467		
	H <sub>1</sub> , Total Height (With Cover Plates)	mm	720					780		920								
	H <sub>2</sub> , Water Connection Height	mm	771					822		853		992		1.024				
	Boiler Empty Weight (Without Cover Plates)	kg	131	156	160	192.5	212.2	232	240	347	353	355	412	412		426		
	Cover Plates	Cartoon Box Freight Dimensions (Width x Height x Depth)	mm	580x700x140		680x700x140		780x700x140		800x750x150		780x930x150		725x697x123		777x870x306		827x870x306
		Case Weight	kg	13	15	17	17.5	19.8	21	21	23	23	23	23	23	25		
INSTALLATION CONNECTIONS	Diameter: D <sub>2</sub> Water Outlet Connection	inch	1½"					1½"		2"		2"		2"		2"		
	D <sub>3</sub> Expansion Tank Outlet	inch	-					-		-		-		1½"		1½"		
	Diameter: D <sub>1</sub> Water Inlet Connection	inch	1½"					1½"		2"		2"		2"		2"		

# ACK-2 series

Two Pass Hot Water Boilers



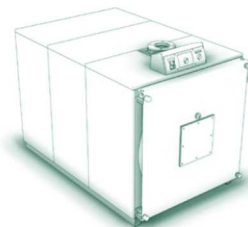
## TECHNICAL SPECIFICATIONS OF ACK2 SERIES

	UNIT	MODEL																	
		ACK2-200	ACK2-250	ACK2-300	ACK2-350	ACK2-400	ACK2-500	ACK2-600	ACK2-700	ACK2-800	ACK2-900	ACK2-1000	ACK2-1250	ACK2-1500	ACK2-1750	ACK2-2000	ACK2-2500	ACK2-3000	
CAPACITY	Nominal Heat Output	kW	233	291	349	407	465	581	698	814	930	1047	1163	1453	1744	2035	2326	2907	3488
		kcal/h	200.000	250.000	300.000	350.000	400.000	500.000	600.000	700.000	800.000	900.000	1.000.000	1.250.000	1.500.000	1.750.000	2.000.000	2.500.000	3.000.000
	Minimum Heat Output	kW	69.8	87.2	104.7	122.1	139.5	174.4	209.3	244.2	279.1	314	348.8	436	523.3	610.5	697.7	872.1	1046.5
		kcal/h	40.000	75.000	90.000	105.000	120.000	150.000	180.000	210.000	240.000	270.000	300.000	375.000	450.000	525.000	600.000	750.000	900.000
	Direct Efficiency		93.0	93.1	93.1	93.1	93.0	93.1	93.1	93.2	92.6	92.0	90.5	89.0	89.0	89.0	89.0	90.0	90.0
			Approximately 96										Approximately 92					Approximately 93	
OPERATING CONDITIONS	Technology	-	Two Pass, Low Temp. Counter Pressure B23 Type ** Efficiency Class, Hot Water Steel Boilers																
	Safety Limit Temperature	°C	95																
	Max. Operating Temperature	°C	90																
	Min. Water Return Temperature	°C	55																
	Operating Pressure	bar	4																
	Boiler Test Pressure	bar	6																
	Boiler Design Temperature	°C	150																
	Electrical Connection	-	230 Vac, 50 Hz																
	Recommended Fuel Types	-	Fuel-Oil (6 cSt at 20 °C) & Natural gas, LPG																
	Required Chimney Draught	mbar	-0.4 - 0																
	Stand-by Losses	%	0.32	0.28	0.27	0.25	0.24	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
	Boiler Counter Pressure	mbar	1.52	1.78	1.46	1.64	1.6	1.6	1.82	2.3	2.56	2.8	3	3.68	3.83	4.75	4.93	5.02	4.46
	Water Flow Resistance	mbar	12	14	14	15	15	16	16	18	20	22	22	28	31	35	46	48	50
MAIN DIMENSIONS	W <sub>1</sub> , Total Width (With Cover Plates)	mm	923			1040		1240		1450			1550		1650		1890		2050
	L <sub>1</sub> , Length	mm	1425		1734		1964	2005		2400			2800	3100	3000	3268	3300		3670
	H <sub>1</sub> , Total Height (With Cover Plates)	mm	993			1110		1310		1520			1620		1720		1985		2145
	H <sub>2</sub> , Water Connection Height	mm	1104			1305		1511		1700			1810		1918		2171		2325
	Boiler Empty Weight (Without Cover Plates)	kg	507	534	829	860	951	1274	1348	1820	1877	1934	2025	2703	3026	3455	3743	4864	5924
INSTALLATION WATER CONNECTIONS	Cover Plates	mm	822x943x306		989x1060x306		989x1060x345	1081x1260x306		730x1460x220 (2 pieces)			750x1600x160 (3 pieces)		764x1670x605 (3 pieces)		764x1910x592 (3 pieces)	854x2070x592 (3 pieces)	
		kg	27		36		42	49		77			88	99	105	111		127.5	150
	Diameter, OD <sub>1</sub> Water Outlet Connection	inch	NW 65			NW 80		NW 100		NW 125			NW 150		NW 150		NW 200		NW 200
	D <sub>1</sub> , Expansion Tank Outlet	inch	1½"	1½"	1½"	2"		2"		2½"			2½"	3"	3"	4"		4"	4"
	Diameter, OD <sub>2</sub> Water Inlet Connection	inch		NW 65		NW 80		NW 100		NW 125			NW 150		NW 150		NW 200		NW 200



SERIES

ACK-3



## THREE PASS HOT WATER BOILERS

### Superior Features of ACK-3 Series

- High efficiency: High efficiency through the use of a large combustion chamber for maximum heat transfer
- Environmental safety: No materials harmful to the environment are used in the products or the production process.
- Long service life: Only certified materials, stable and reliable design at thermal expansion points, certified automatic welding methods, design and production in accordance with European regulations
- Burner-Nozzle Compatibility: No need for special high-pressure burners and long gas pipelines thanks to the universal design
- Aesthetic appearance: Protection of boiler casings from corrosion and external factors:
  1. Hot-dip galvanized (GALVATITE®) steel material
  2. Protective double layer special organic primer paint
  3. Special organic paint on the front and a protective and aesthetic paint layer on the top (COLORCOAT®)



Oil Fuel



Gas Fuel



Long Life



Large Heating Surface



Regulated Fan



High Efficiency



3-Pass



Cabin Pressure Discharge Fan

FEATURES



Zone Control

OPTIONAL



# ACK-3 series

## Three Pass Hot Water Boilers



In ACK-3 series, three-pass boilers, lower flame temperatures occur because the flame does not pass twice in the furnace, and a minimum level of Nitrogen Oxide is formed because the flame remains in the combustion chamber for less time.

ACK-3 series boilers are called reliable boilers in the eyes of the customer, by performing quality control at every stage, thanks to fully automatic mass production processes.



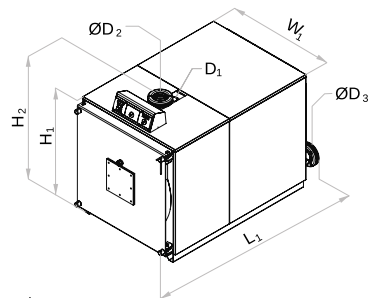
*Maximum Heat Transfer...*

### Certification and Incentive Programmes



### TECHNICAL SPECIFICATIONS OF ACK-3 SERIES

TECHNICAL SPECIFICATIONS OF ACK-3 SERIES		UNIT	MODEL																				
			ACK3-100	ACK3-150	ACK3-200	ACK3-250	ACK3-300	ACK3-350	ACK3-400	ACK3-500	ACK3-600	ACK3-700	ACK3-800	ACK3-1000	ACK3-1250	ACK3-1500	ACK3-1750	ACK3-2000	ACK3-2500	ACK3-3000	ACK3-4300	ACK3-5000	
CAPACITY	Nominal Heat Output	kW	116	174	233	291	349	407	465	581	698	814	930	1163	1453	1744	2035	2326	2907	3488	5000	5814	
		kcal/h	100,000	150,000	200,000	250,000	300,000	350,000	400,000	500,000	600,000	700,000	800,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000	2,500,000	3,000,000	4,300,000	5,000,000	
	Direct Efficiency in Full Load	%	93.9	93.9	93.9	93.9	93.7	93.5	93.2	92.9	92.9	93.2	93.2	92.6	92.5				92.3	92.1	92.0		
OPERATING CONDITIONS	Operating - Test Pressure	bar	4 - 6																				
	Required Chimney Draught	mbar	-0.4 - 0																				
	Stand-by Losses	%	0.1	0.09	0.32	0.28	0.27	0.25	0.24	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
	Gas Side Resistance	mbar	1.13	2.27	2.18	2.19	2.19	2.07	2.07	2.02	2.96	2.69	3.37	3.53	4.38	6.12	5.33	6.53	6.43	8.42	9.97	10.01	
MAIN DIMENSIONS	Water Flow Resistance	mbar	0.32	0.5	0.92	1.25	2.09	2.35	2.49	2.51	2.73	3.55	5.15	4.79	9.86	15.77	11.07	15.9	22.67	38.57	67.1	159.8	
	W - Total Width	mm	775	850	1040		1040		1150			1240		1450		1550		1800		2050		2210	2250
	L - Length	mm	1215	1425	1475		1475	1645	1745	1740	1990	2110	2310	2415	2795	3045	3025	3275	3275	3775	4445		
	H - Height	mm	846	920	1110		1111		1220			1310		1520		1620		1870		2145		2315	2345
	H - Water Connection Height	mm	903	1028	1202		1202		1320			1495		1700		1797		2037		2352		2500	2530
	Empty Weight	kg	344	445	617	657	752	815	857	1011	1140	1346	1481	1983	2493	2895	3461	3785	4785	5390	7858	8473	
	INSTALLATION WATER CONNECTIONS	Dia. (D1) - Water Output Connection	inch	2"	NW 65			NW 80			NW 100			NW 125			NW 150			NW 200			
D - Exp. Tank Outlet Connection		inch	1"	1 1/4"	1 1/2"		2"			2 1/2"			2 1/2"		3"		4"						
Dia. (D1) - Water Input Connection		inch	2"	NW 65			NW 80			NW 100			NW 125			NW 150			NW 200				
Water Content		lt	151	240	326		248	246	328	372	459	610	706	1026	1372	1550	2595	2762	3439	4116	5975	7633	





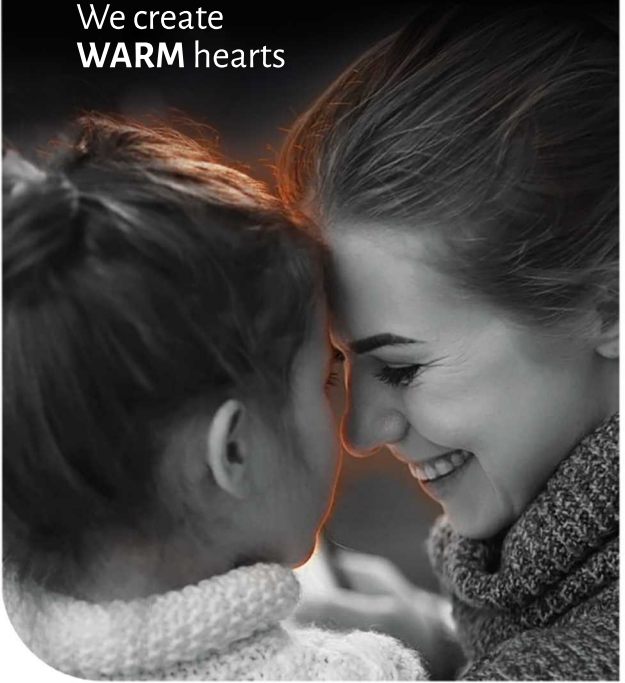
**65** years in Business and Growing Continuously.

Currently Cooperating with **41** Partners Including **16** European Union Countries...



arikazan

We create  
**WARM** hearts



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