

ULMA AirMove 1500

Technical Data: AirMove 1500

One-day storage Min	40 liters
One-day storage Max	62 liters
Measurement Vacuum unit (wxhxd)	330 x 1650 x 430 mm
Sensors	2 capacitive
Hose connection	50mm
Storage auger 1pcs	500mm (70W)
Power	230V AC
Power consumption	1500 W approx.
Weight	25kg
Warranty	1 year

Problem with feeding?
Use our new feed auger.
Suitable to all kinds of
residential Pellet burners.



If you need a longer auger from your storage, this can often create an imbalance in supply to the overflow feed burner that requires a steady dose of fuel supply. To maintain a good combustion, this feed auger is a good alternative. The auger is placed between the fuel supply auger and the burner.

We reserve the right for construction changes during recurring manufacturing of the product.

AirMove 1500

Fully automatic transport of pellets with built-in one day fuel supply. This technology has replaced the need for carrying bags into your house; instead pellets will be carried forward with careful air feeding. Our transport system handles a transportation distance up to 50 meters between storage and the pellet burner. This creates unexpected possibilities for the future, regardless what pellet burner you choose. This system fits all pellet burners, pellet boilers and pellet stoves.



Feed auger for vacuum unit.
Easily installed in the bottom of various sized storage units.



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Retailers:

A better way to natural heating



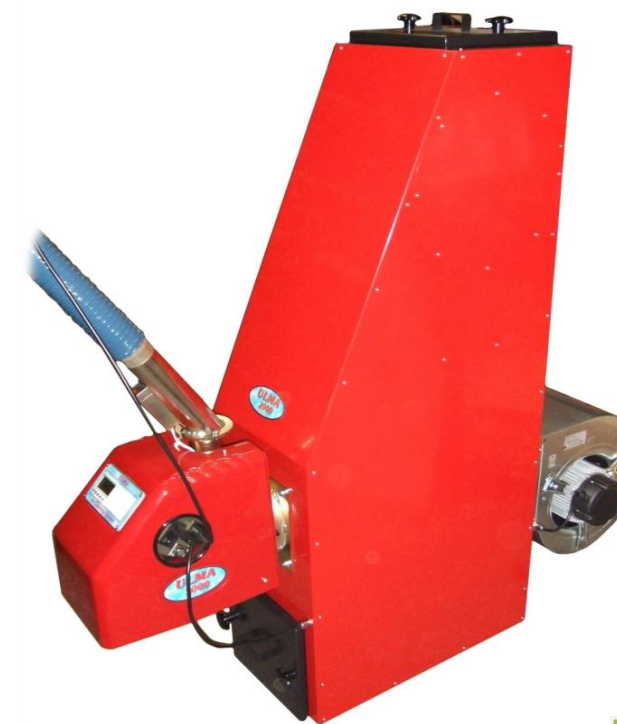
ULMA 2000,3000,5000 TCA
The burners can be mounted on most boilers on the market today via the supplied mounting sleeve coupling. The burner is equipped with a PLC-system that handles the fully automatic ignition and normal operation of the burner.



The **ULMA-boiler** is a compact and flexible boiler that is also equipped, with a standard built-in mixer control valve and the possibility for direct room temperature sensor inputs into the control system if required. This boiler has 6kW or as an optional 9 KW backup electric immersion heater that operates as backup heat in case of an emergency. The boiler sends out an alarm when cleaning is needed. The ash box should be emptied approx. 2-3 times per year maximum depending on the heat consumption of the house, and holds approx. 45 liters of ash. The efficiency is very high since we have matched the boiler to the burner.



New opportunities for heating with pellets! ULMA Forced-air furnace



Our forced-air furnace operates at a high efficiency and requires little space. Our furnace burner comes with an Ulma 2000 pellet burner which is equipped with a fast ignition system. This burner keeps a nice steady temperature and almost zero maintenance. The burner is regulated with a built in thermostat that can be adjusted to the desired room temperature. When the air has reached 60 degrees C the fan automatically starts and provides warm air to the heated area. The fan is controlled by a PT100 sensor to regulate fan speed from 0 to 100 %. The forced-air furnace is perfect for the garage, workshops, air plane hangars, greenhouses, etc.

Chimney connections are easily accessible on the back of the unit. Warm air can be discharged from the left or the right side.

- **Fast efficient heating**
- **Optional automatic air cleaning system for the burner**
- **For larger heating applications the furnaces can be connected in modular systems**

Technical Data:

Output	20 kW
Weight	105 kg
Measurement	34x140x57cm (wxhxd) + burner and fan d = 135 cm
CC smoke pipe from floor	133 cm
Outside diameter flue pipe	127 mm
Ventilation connection	315 mm
Air flow	0-3400 m ³ /h
Ash box volume	30 L
Power	230 VAC



ULMA TCA 2000 3000

Technical Data: TCA 2000

Output	12 - 20 kW
Efficiency	97,2%
Power consumption	40 W
Weight	12,5 kg
Measurements outside the boiler (wxhxd)	230 x 295 x 335 mm
Dim. of chamberunit (diameter x length)	154 x 220 mm
Power	230V AC
Standard auger length	1,7 m
Warranty (see warranty parts)*	1year

Technical Data: TCA 3000

Output	20 - 30 kW
Efficiency	96,6%
Power consumption	50 W
Weight	13,5 kg
Measurements outside the boiler (wxhxd)	230x295x335 mm
Dim. of chamberunit (diameter x length)	154 x 320 mm
Power	230V AC
Standard auger length	1,7 m
Warranty (see warranty parts)*	1 year

COMMERCIAL PRODUCTS

We also offer pellet burners and pellet boilers for commercial use. Please contact your nearest dealer or Ulma AB for more information.



ULMA TCA PELLET BURNER

The selfcleaning pellet burner

The ULMA-burner can be mounted on most boilers on the market today via the enclosed mounting sleeve coupling. The burner is equipped with a PLC system that handles the operations and burner safety controls.

The burner is ignited with an electronic igniter when the boiler temperature falls below the preset temperature. It has an adjustable hysteresis on the thermostat via the PLC for the best use. The display also shows the boiler temperature.

The ignition system automatically ignites the fuel within 80 seconds after the thermostat of the burner has called for heat. The burner is now in full operation. On the PLC display you can also see what power output the burner is operating at. The burner can run on a high or low power output level and is easy for the installer to adjust with a flue gas instrument. You can also set it on auto mode, the burner then decides what power it will go on depending on the abstraction of energy made.

ULMA 2000 TCA is easily cleaned since the burner is equipped with an automatic cleaning system that cleans the chamber unit with compressed air. The cleaning procedure can be adjusted depending on the quality of the pellet. A compressor is included in the delivery. GSM alarm as an option.



The ULMA-boiler is a compact and flexible boiler that is also equipped, with a standard built in mixer control valve and the possibility for direct room temperature sensor inputs into the control system if required.

This boiler comes with 6kW or 9 kW (optional) back up electric immersion heater that operates as backup heat in case of emergency.

The boiler sends out an alarm when cleaning is needed.

The ash box should be emptied approx. 2-3 times per year maximum, depending on the heat consumption of the house, and holds approx. 45 liters of ash.

The efficiency is very high since we have matched the boiler to the burner.

- 5 year warranty (Leakage)
- 1 year - other parts
- 92% efficiency according to EN 303-5
- Tested and approved by SP
- Swedish made

As an accessory a small storage system can be installed next to the boiler for up to a week's supply of fuel pellets in small bags or function as an intermediate storage of larger bulk storage system.

The ULMA-boiler has an onboard PLC controlling the burner and the built-in three way mixer control valve on the boiler. From the PLC display you can read the boiler temperature and the flue gas temperature output from the boiler.

The control panel allows you to choose between pellets and electric fuel sources. Small light emitting diodes show real time power level being used by the immersion heater. The immersion heater makes it possible to retain a minimum temperature without burning pellets if you are away from the house during a longer period. If you wish you can add today's kW price of electricity and read on the display what the immersion heaters have used that day. The boiler also has an alarm indicator that shows if an error in operation has occurred.



20kW Pelletboiler

Technical Data:

Max working pressure	1,5 bar
Flue pipe	120 x 120 mm
Water volume	200 L
Min. chimney area	80 cm ²
Connection hole (burner)	Ø 154mm
Fireplace depth	350mm
Fireplace height	350 mm
Tension	400 VAC
Warranty	5 year (Leakage) 1 year (other)
Min. pressure	1,5 / vp
Efficiency	ca 90-92%
Max. effect	20kW
Hot water loop	11m
Ash box volume	45 L
Immersion heater	6kW (9kW optional)



As the example shows in the picture above, the boilers are welded together with top modern robot welding to reach the best quality and durability.