

ECOTWIN

combined wood and pellet unit



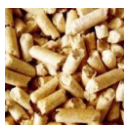
ECOTWIN is a combined unit for combustion of wood manually and pellet with an automatic pellet burner.

The boiler lower door is equipped with a mounting flange for installing a pellet burner, as well as an air door actioned by a chain thermostat regulator for wood combustion.

An additional door can be installed for easy change between wood and pellets (optional). Depending on the fuel used, the corresponding door is being closed.

ECOTWIN is offered as a complete pellet unit including the boiler, pellet burner, feeder and pellet tank. The silo volume can be chosen according to the desired autonomy.

Fuels



pellet



wood



briquettes



Combined function of wood and pellet



Automatic ignition and function on pellet



Burner automatic cleaning system with compressed air



3 years warranty



Safety features and automatic error diagnosis

Main features

- Combined pellet unit for wood and pellet
- Automatic combustion of pellet by means of a pellet burner
- Wood combustion regulation with chain thermostat
- Built-in burner controller with multiple functions and LCD screen
- Automatic cleaning by means of compressed air (additional compressor requested);
- Automatic power setup according to heat demand
- Automatic pellet feed according to power level
- Three different silo types to choose
- Optional kit with double door for easy change between wood and pellets
- Ceramic ignition element for fast ignition and long lifespan

Safety devices:

- Elbow-shape feeder to prevent backfire entry from burner into pellet hopper;
- Melting feeding hose;
- Safety contact thermostat;
- Fuse protection;
- In case of power interruption, all parameter settings are stored in the memory of the controller.

BOILER CONTROLLER



Automatic power level



Central heating pump



Hot water/buffer pump



Room thermostat



Alarm signals

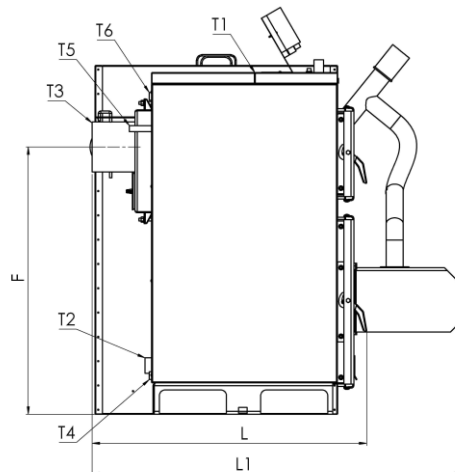
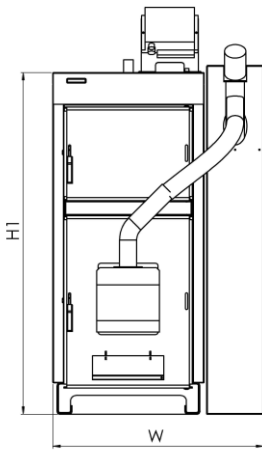


Multilingual menu

Boiler controller ensures the smooth and safe operation of the heating system. Compared with most pellet burners on the market, the controller is far more extensive in terms of function, possibilities and ease of use.

- LCD screen (2x20 characters);
- 5 menus (A. Furnace settings, B. HUW settings, C. Burner settings, D. Device settings, E. Manufacturer settings);
- Five languages : English, Greek, Polish, German, Romanian;
- Boiler/furnace temperature sensor;
- HUW/buffer temperature sensor (optional);
- Electric cable for connecting CH pump;
- Electric cable for connecting HUW/buffer pump (optional);
- Room thermostat connection;
- Accoustic alarm outputs in case of error;
- Diagnosis of errors;
- 4A fuse for high voltage protection;
- Built-in flash memory maintains programme settings and safety functions in case of power failure;
- Automatic restart of the burner in case of a power failure.

TECHNICAL DATA



- T1 - Outlet
- T2 - Return
- T3 - Chimney
- T4 - Drainage
- T5 - Safety heat exchanger
- T6 - Safety heat exchanger sensor bulb

Type		ECT 25	ECT 30	ECT 40	ECT 50	ECT 60	ECT 80	ECT 100	
Power pellet/wood	kW	25/25	30/30	40/40	50/50	60/60	80/80	100/100	
Efficiency pellet/wood	%	91/83	91/83	91/83	91/83	91/83	91/83	91/83	
Max temperature	°C	90	90	90	90	90	90	90	
Max pressure	bar	3	3	3	3	3	3	3	
Water contents	lit	100	120	130	170	190	370	440	
Weight	kg	259	282	307	355	385	675	765	
Electrical connection	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	
Dimensions	H/H1	mm	1220/1195		1220/1310		1220/1650		
	W	mm	735	735	735	865	865	990	990
	F	mm	935	935	935	975	975	1285	1285
	L/L1	mm	1270/960	1370/1060	1470/1160	1350/1060	1450/1160	1735/1360	1935/1560
	T1-T2	inch	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"
	T3	mm	Ø180	Ø180	Ø180	Ø180	Ø180	Ø200	Ø200
	T4	inch	½"	½"	½"	½"	½"	¾"	¾"
	T5	inch	½"	½"	½"	½"	½"	½"	½"