



NOVA GENERACIJA KOTLOVA NA PELET

Eco TOP

THE NEW GENERATION OF PELLET BOILERS

O nama

Topling doo je vodeći proizvođač kotlova za centralno grijanje u Bosni i Hercegovini. Sa svojim različitim proizvodnim programom i izradom kotlova sa rasponom snage od 15 kW do 12.000 kW predstavljamo jednog od najvećih proizvođača kotlova na obnovljive izvore energije u Jugoistočnoj Evropi. Start preduzeća Topling počinje 1993 godine kao malo preduzeće sa svega nekoliko zaposlenih radnika. Danas Topling zapošljava 168 radnika i proizvodi oko 4500 kotlova godišnje. Proizvodni program čini 5 različitih grupa proizvoda: kotlovi na čvrsto gorivo, kotlovi na pelet, kotlovi na biomasu, elektro kotlovi te ostala prateća oprema za termoenergetska postrojenja.

Dugogodišnja tradicija u proizvodnji toplovodnih kotlova i iskustvo zaposlenih garantuju vrhunski kvalitet i moderan dizajn. Ispunjavanje najstrožih kriterijuma u pogledu kvaliteta proizvoda i zaštite životne sredine osiguravaju vrhunski komfor i uštedu goriva. Topling je prisutan na domaćem tržištu (oko 30%) dok ostatak tržišta čine zemlje EU (oko 70%). Glavna izvozna tržišta za proizvode preduzeća Topling su: Velika Britanija, Francuska, Njemačka, Austrija, Slovenija, kao i zemlje regije Srbija, Crna Gora i Makedonija. Razvojem kotlova koji koriste obnovljive izvore energije, Topling želi da ispuni zahtjeve kupaca u pogledu komfora i ekonomičnog zagrijavanja stambenih i poslovnih objekata.

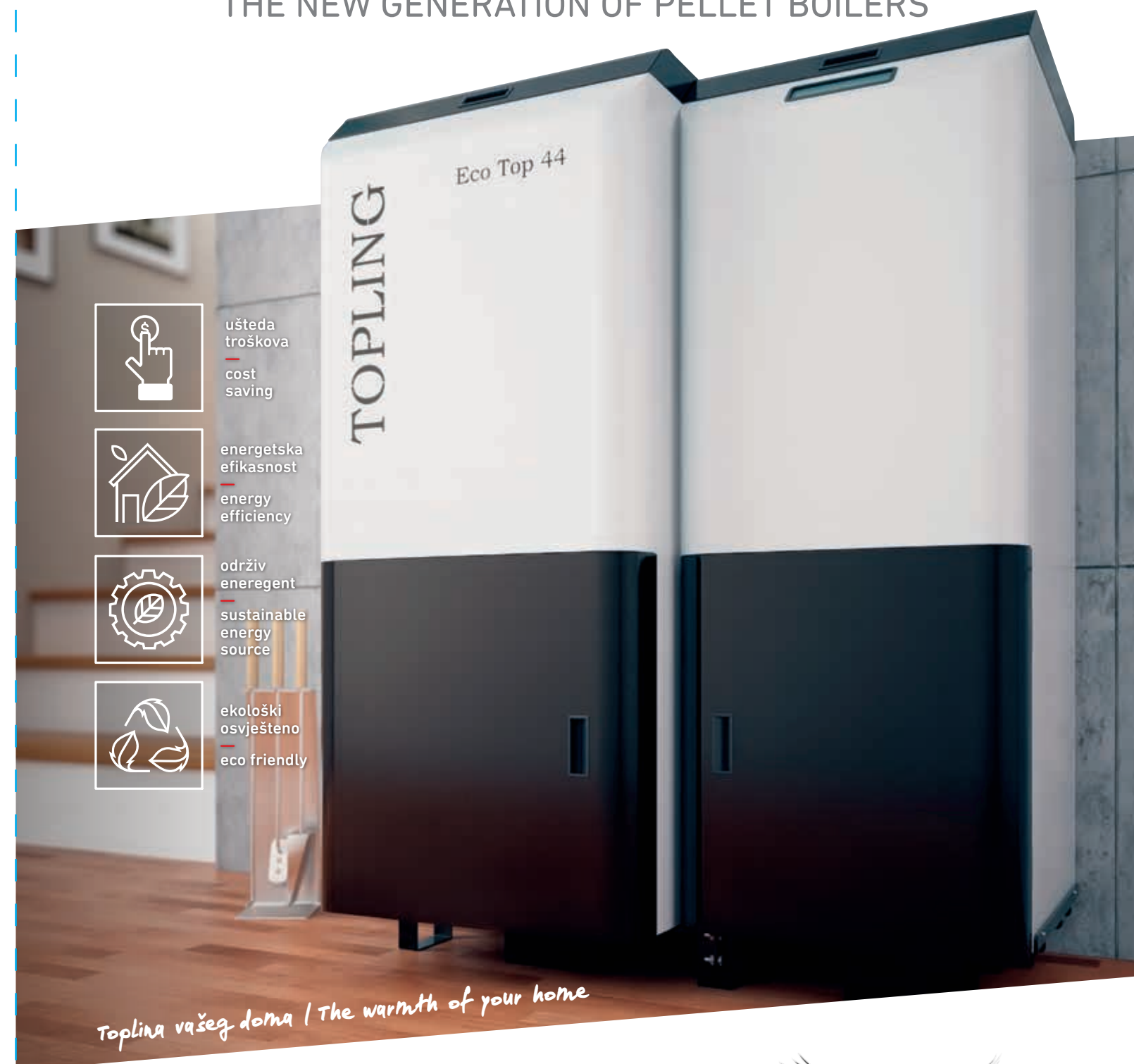
About us

Topling doo is a leading manufacturer of boilers for central heating in Bosnia and Herzegovina. With its various production programs and production of boilers with a power range from 15 kW to 12,000 kW Topling doo is one of the largest manufacturers of boilers for renewable energy in Southeast Europe. Topling doo started as a small company in 1993 with only few employees. Today Topling employs 168 workers and produces about 4500 boilers annually. Production program consists of 5 different product groups: solid fuel boilers, pellet boilers, biomass boilers, electric boilers, and other auxiliary equipment for thermal power facilities.

The long tradition in the production of hot water boilers and experience of employees guarantees high quality and modern design. Fulfilling the strictest points of reference in terms of product quality and environmental protection ensure superior comfort and fuel economy. Topling is present on the domestic market (about 30%) while the rest of the market consists of the EU (about 70%). The main export markets for the products of the Topling company are: United Kingdom, France, Germany, Austria, Slovenia, as well as countries in the region Serbia, Montenegro and Macedonia. By development of boilers that use renewable energy sources, Topling wants to meet customer requirements in terms of comfort and cost-effective heating of residential and commercial buildings.



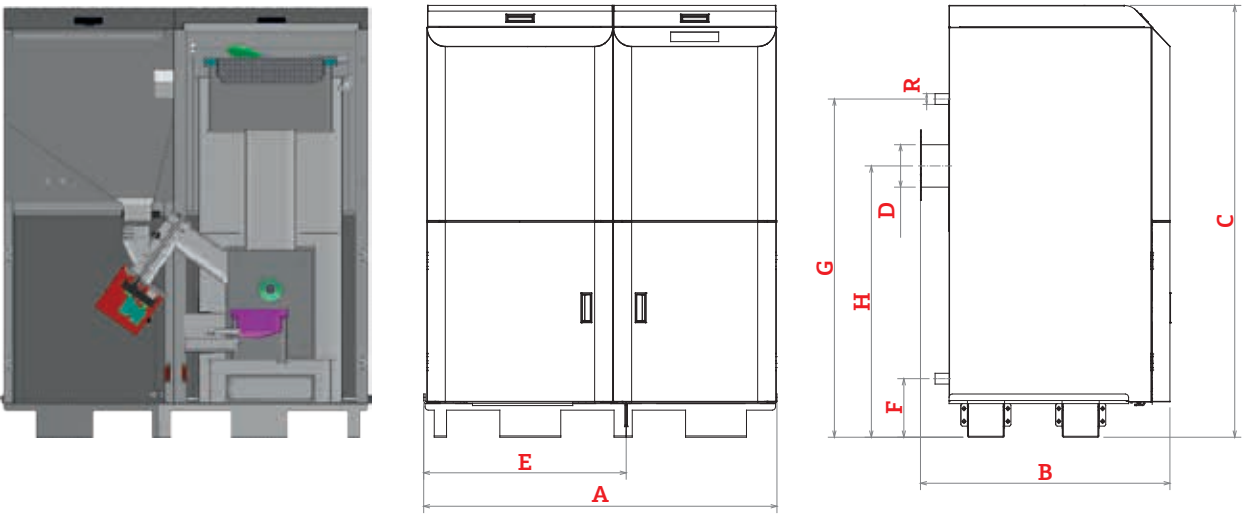
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Eco TOP proizvodi

Najnovija generacija toplovodnih kotlova na pelet u ponudi preduzeća Topling. Ecotop proizvodi su prilagođeni za centralno zagrijavanje stambeno-poslovnih objekata korisnika koji žele vrhunski komfor uz pristupačnu cijenu. Ecotop proizvodi su dizajnirani tako da se savršeno uklape u prostor gdje se ugrađuju. Kompaktnog su dizajna sa spremnikom peleta koji omogućava veliku autonomiju.

Ecotop proizvodi zadovoljavaju sve Evropske standarde u pogledu tehničkih karakteristika kao i standarde zaštite životne sredine. Preko mreže naših predstavnika dostupni su na tržištima većine zemalja Evropske unije kao i susjednih zemalja: Srbije, Hrvatske, Crne gore i Makedonije.



Eco TOP products

The latest generation of hot water pellet boilers offered by the Topling company. Ecotop products are created for central heating of residential and commercial buildings for users who want superior comfort at an affordable price. Ecotop products are designed to perfectly fit the space where they are installed. They have a compact design with a large pellet tank, which allows great autonomy. Ecotop products meet all European standards in terms of technical characteristics and environmental standards.

Through the network of our representatives Eco Top pellet boilers are available in the markets of most countries of the European Union and our neighboring countries: Serbia, Croatia, Montenegro and Macedonia.

Biomasa kao obnovljivi izvor energije

Biomasa je jedan od najznačajnijih obnovljivih energenata. Osnovna prednost biomase kao obnovljivog izvora energije je da može biti proizvedena bilo gdje na planeti. Održivost biomase kao energetskog izvora postiže se adekvatnim korištenjem ovog energenta. Pelet je gorivo napravljeno od drvene biomase, bez hemijskih elemenata i apsolutno nije štetno kako za ljudsko zdravlje tako i za životnu sredinu. Pelet ima veliku toplotnu moć čak do 19 MJ/kg, te to znači da 2kg peleta zamjenjuju 1 litru lož ulja. Osnovne prednosti peleta su: visok stepen iskorišćenja; jednostavan transport, skladištenje i korištenje; jako nizak sadržaj pepela nakon sagorjevanja.

Biomass as a renewable energy source

Biomass is one of the most important renewable energy sources. The main advantage of biomass as a renewable energy source that it can be produced anywhere on the planet. The sustainability of biomass as an energy source is achieved by adequate use of this energy source. Pellet is a fuel made from biomass, without chemical elements and absolutely not harmful to both human health and the environment. The pellet has a great calorific value up to 19 MJ / kg which means that 2kg of pellets replace 1 liter of heating oil. The basic advantages of pellets are: high efficiency; easy transportation, storage and use; a very low ash content after combustion.

TIP TYPE	SNAGA POWER [kW]	DIMENZIJE DIMENSIONS [mm]							
		A	B	C	D	E	F	G	H
Eco TOP 24	24	1160	818	1348	135	665	183	1057	850
Eco TOP 33	33	1160	818	1398	160	665	183	1107	900
Eco TOP 44	44	1160	818	1498	160	665	183	1207	1000
Eco TOP 60	60	1160	818	1628	160	665	183	1337	1130

PRIKLJUČCI CONNECTORS [col]				
TIP TYPE	R	težina peć boiler weight [kg]	sadržaj vode amount of water [l]	kapacitet koša holding capacity [kg] peleta of pellet
Eco TOP 24	1''	312	97	65
Eco TOP 33	1''	346	98	75
Eco TOP 44	5/4''	365	102	92
Eco TOP 60	5/4''	410	128	114

Tehnički podaci | Technical information

Parametar Parametar	Jedinica Unit	Eco TOP 24	Eco TOP 33	Eco TOP 44	Eco TOP 60
Maksimalna snaga Maximum power	kW	24	33	44	60
Nominalna snaga kotla nominal boiler power	kW	8-24	11-33	14-44	18-60
Koeficijent korisnog dejstva coefficient of efficiency	%	92	92	92	92
Radni pritisak kotla (maksimalni) Working pressure of the boiler (maximum)	bar	2.5	2.5	2.5	2.5
Ispitni pritisak kotla Boiler pressure test	bar	5	5	5	5
Temperatura na ulazu u kotao Boiler inlet temperature	°C	70	70	70	70
Temperatura na izlazu iz kotla Boiler outlet temperature	°C	90	90	90	90
Klasa kotla prema Boiler class according to EN 303-5		5	5	5	5
Otpor na vodenoj strani pri nominalnom opterećenju resistance on the water side at nominal load					
- Δt=10 K	hPa	7	7	7	7
- Δt=20 K		2	2	2	2
Potreban podtlak dimnjaka Chimney sub pressure Requirement	Pa	13	14	15	17
Maseni protok dimnih gasova Mass of flue gases:					
-nominalno opterećenje nominal load		0.0110	0.0176	0.0280	0.0350
-djelimično opterećenje partial load	kg/s	0.0055	0.0079	0.0140	0.0160
Temperatura dimnih gasova:					
-nominalno opterećenje nominal load		125	125	125	125
-parcijalno opterećenje partial load		95	95	95	95
-maksimalno opterećenje maximum load	°C	140	140	140	140
Električna snaga Electrical power:					
-u normalnom režimu in normal mode					
-u fazi potpaljivanja in ignition phase	W	480	520	520	520
Električne komponente / Electrical components:					
-napon voltage	V	230	230	230	230
-jačina struje kod normalnog rada amperage in normal mode	A				
-jačina struje kod faze potpaljivanja amperage in ignition phase	A				