

# LAFAT sm eco smart

KOTAO NA PELET / PELLET BOILER

## KOTAO NA PELET

Kotlovi na pelet služe za zagrijavanje stambenih i poslovnih prostora uz maksimalan ugođaj korištenja, odnosno automatizovan rad. Kao gorivo koriste drveni pelet i dobija se od drobljenog i presovanog drveta, a pri sagorijevanju daje minimalnu emisiju CO2 i prašine pepela. Kotlovi na pelet su automatizovani i imaju mogućnost programiranog rada. Samo-potpaljivanje, cjelodnevno loženje i automatska modulacija snage zagrijavanja prostora su samo neke od osobina koje izdvajaju ovaj proizvod od klasičnih metoda zagrijavanja. Proces čišćenja je jednostavan zbog automatizacije samog čišćenja što dodatno povećava komfor korištenja.

Prednosti "Smart" serije kotlova:

- Potpuno moderan dizajn
- Kompaktnost kotla
- Potpuno automatska potpala i loženje
- Jedinstveno automatsko čišćenje i izbacivanje pepela u spremnik van kotla
- Garantovana potpala kotla, zbog jedinstvenog sistema čišćenja gorionika
- Toplotni izmjenjivač sa pomičnim turbulatorima i maksimalnim iskorištenjem 94%
- Automatski regulisan broj obrtaja ventilatora
- Kvalitetna regulacija za upravljanjem kotlom sa "touch" upravljačkom jedinicom
- Programirani temperaturni limit (kada kotao modulira odnosno automatski smanjuje temperaturu)
- Sigurnosni prekidač (STB)



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Kotao na pelet / Pellet boiler

Naziv Name	Jedinica mjere Unit of measure	SM ECO 25 SM ECO 25	SM ECO 33 SM ECO 33
Opseg izlazne snage Heat output range	kW	7-25	9-30
Dimenzije: Širina / Dubina / Visina Dimensions: Width / Depth / Height	mm	640x940x1475	720x940x1475
Promjer dimnjače Diameter of flue	mm	80	80
Grejna površina Heating surface	m <sup>2</sup>	170-200	220
Težina Weight	kg	270	285
Stepen iskorištenja Degree of utilization	%	90,23	93,9
Količina vode u sistemu Amount of water in the system	l	60	70
min / max - Potrošnja peleta min / max - Consumption of pellets	kg/h	2,1 - 5,2	2,1 - 6,2
max. Dužina rada sa punim spremnikom max. Length of operation with full tank	h	34	40,9
min. Dužina rada sa punim spremnikom min. Length of operation with full tank	h	14	14,5
Kapacitet spremnika Pellet tank capacity	kg	75	90
Polazni i povratni vod Hot and return line	col	1"	1"

\*U kotao ugrađena je cirkulaciona pumpa, ekspanziona posuda i sigurnosni ventil  
\*The boiler is equipped with a circulation pump, an expansion tank and a safety valve



## PELLET BOILER

Pellet boilers are used for heating residential and business premises with the maximum comfort of the use apropos automated operation. Fueled by wood pellet obtained from crushed and pressed wood, gives a minimum of the burning CO2 and ash dust. Pellet boilers are automated and have the option of operating programs. Self-ignited, all day firing and automatic modulation power heating of space are only some features of the qualities that distinguish this product from traditional methods of heating. The cleansing process is easy because of automatization of itself, which further increases the comfort of usage.

Advantages at "Smart" boiler series:

- Completely modern design
- Compactness of boiler
- Fully automatic ignition and fueling
- Unique automatic cleaning and removing ash in the container outside the boiler
- Guaranteed fire ignition in the boiler, due to the unique system of cleaning of the burner
- Big pellet tank (approximately 120 kg)
- Heat exchanger with a moving spiral inside tubular exchanger and maximum utilization of 96%
- Automatically regulated fan speed
- Quality regulation control for managing the boiler with a "touch" control unit
- Cleaning boiler only at the end of the season
- Programmed temperature limit (when the boiler modulates or automatically reduces the temperature)
- The security switch (STB)
- Pressure control