

ÇETİK®

EKO P Serial



*Comfortable and
Clean Heat*



CONFIDENTIAL , ECONOMIC AND MODERN SOLUTION

Thanks to EKO P series, you can get possession your all wishes comfort and Heating. This product has got, with elegant line , absolute disagn and perfect workmanship. Compact disagn for easly montage. You put your wishes Pellet , to Pellet depot. You make your all settings from large graphic screen and two button discs , it start and then you forgot to near the coming again.

HIGH EFFICIENY , LOW POWER MANAGEMENT, MAXIMUM DURABILITY AND MINIMUM MAINTENANCE...

WITH INNOVATIVE TECHNOLOGY AS 93% HIGH EFFICIENCY...

According to burning adjustment first and second air system , manufacturing from stainless steel and thanks to special disagn burning potash and burning circle , that burning room temperature increase till 1000 centigrade degree and it provides all gases burning. This boiler works with 3 passing ways boiler disagn and high efficiency.

SECURE AND COMFORT HEATING...

On the loading spiral , it has got sensors. This sensors control Heating and fuel amount. Seperately, it like it bridge, between stoker spiral and fuel moving spiral , again between of the flexible plastic hose and boiler . In this context , it provide extra security.

CONTROL OF THE LAMBDA SENSOR...

With this system , measure necessary oxygen amount and all parameters give to the control panel. This control panel , to take into consideration of the necessary air amount and it adjust first air, second air and chimney fan working break. Cause of this, you can get low emission and clean burning.



AUTOMATIC BOILER CLEANING...

All ash collect on the heat converters and it lower Heating transfer and chimney Heating increase. We putted turbulator , between heat converters and this made from stainless steel. You will adjust all settings and all period breaks from control panel, it will move down-up and it cleans all ashes . Then, to let down all ashes to ash-store.

EASY CONTROL...

- Large screen, comprehensible menu and useful keys...
- Compatible software for the lambda sensor
- The modulation break, between all burden and partial burden ...
- Control of the Heating system...
- Control of the chimney heating...
- Control of the fuel amount...
- Control of the back-burn, with sensors...



AUTOMATIC IGNITION...

On the burning potash fuel, it ignites with hot air and necessary burning is started. You can burn control with chimney sensor and you can see all informations from control panel.

AUTOMATIC ASH DISCHARGE...

When you adjust all settings and period breaks from control panel, all ashes to put out the ash-store. Thanks to the montage and easily of the carrying, ash bucket is put off from its place and it clean the out of the boiler room.

WHY PELLET ?

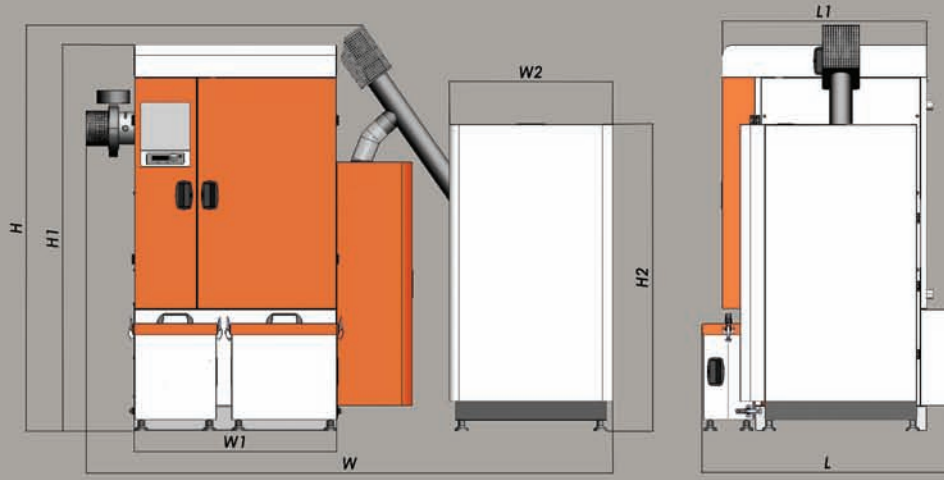
When the trees are growing up, it takes CO₂ from air. When the ignites of the woods, that give out to environment again, necessary level of CO₂. Therefore, with Pellet Heating means, natural transform. Wood Pellet made from sawdust, to crop of the timber and 100% natural wood. This material is tightening under the very high pressure and it doesn't include any chemical or synthetic. Wood Pellet protect the environment, renewable and clean energy source. To standardize of with DIN 51371 or OENORM M7135.

1 kg wood Pellet = 4,9 kw

1m³ wood Pellet = 650 kg

1. Burner plate
2. Combustion ring
3. Heat exchanger
4. Turbulator
5. Chimney
6. Lambda sensor
7. Draught fan
8. Ash discharge system
9. Cleaning engine
10. Primary air fan
11. Secondary air fan
12. Automatic ignition
13. Stoker spiral
14. Loading engine
15. Fuel moving engine
16. Fuel moving spiral
17. Mobile tank





TECHNICAL FEATURES

| | | EKO PM-20 | EKO PM-32 |
|---|-----------|-----------|-----------|
| NOMINAL LOAD POWER | kW | 20 | 32 |
| PARTIAL LOAD POWER | kW | 12,0 | 19,2 |
| WATER CAPACITY | liter | 42 | 56 |
| BOILER WEIGHT | kg | 490 | 560 |
| MOBILE TANK WEIGHT | kg | 70 | 70 |
| WORKING PRESSURE (max) | bar | 3 | 3 |
| MAXIMUM BOILER WORKING TEMPERATURE | °C | 90 | 90 |
| MINIMUM BOILER RETURN WATER TEMPERATURE | °C | 55 | 55 |
| MOBILE TANK FUEL CAPACITY | liter | 300 | 300 |
| ELECTRICAL SYSTEM CONNECTION | V AC / Hz | 230 / 50 | 230 / 50 |
| FLUE GAS TEMPERATURE NOMINAL / PARTIAL LOAD | °C | 120 / 85 | 140 / 95 |
| FLUE PIPE DIAMETER | mm | 130 | 130 |
| BOILER OUTLET CONNECTION | inches | 1" | 1 1/4" |
| BOILER RETURN CONNECTION | inches | 1" | 1 1/4" |
| SAFETY CONNECTION | inches | 3/4" | 3/4" |
| FILL AND DRAIN CONNECTION | inches | 1/2" | 1/2" |
| BOILER DIMENSIONS | | | |
| | W | mm | 1990 |
| | W1 | mm | 705 |
| | W2 | mm | 650 |
| | L | mm | 997 |
| | L1 | mm | 812 |
| | H | mm | 1510 |
| | H1 | mm | 1432 |
| | H2 | mm | 1217 |



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