



ÖkoFEN
CHAUFFAGE À GRANULÉS

Données techniques

**PELLEMATIC® Pellematic
Maxi Condensation
41-64 kW**

FRANÇAIS



Technical data Pellematic Maxi with condensing boiler technology

| Designation | | PES36 + 24325 | PES48 + 24325 | PES56 + 24325 |
|---|---|--------------------|---------------|---------------|
| Boiler-rated power | kW | 41 | 55 | 64 |
| Boiler-partial load | kW | 15 | 17 | 19,2 |
| Energy efficiency class | | A++ | | |
| Energy efficiency index (EEI) | | 132,08 | 131,99 | 131,84 |
| Seasonal space heating energy efficiency η_s | | 91 | 90 | 90 |
| Boiler efficiency rated power condensation mode HHV | % | 95,1 | 94,4 | 94,2 |
| Boiler efficiency rated power rated power condensation mode LHV | % | 102,7 | 102,7 | 102,7 |
| Boiler efficiency rated power rated power condensation mode HHV | % | 94,4 | 93,7 | 93,4 |
| Boiler efficiency partial power rated power condensation mode LHV | % | 102,2 | 102,0 | 101,9 |
| Water area | | | | |
| Water capacity | l | 135 + 24 | 135 + 24 | 135 + 24 |
| Water supply/return - dimensions | Inch | 2 | 2 | 2 |
| Water supply/return - dimensions | DN | 50 | 50 | 50 |
| Water resistance at 10K | mBar | 90 | 123 | 145 |
| Water resistance at 20K | mBar | 43 | 48 | 53 |
| Boiler temperature | °C | 65-90 | | |
| Boiler input temperature minimum | °C | 55 | | |
| Operating pressure maximum | Bar | 3 | | |
| Test pressure | Bar | 4,6 | | |
| Flue gas area | | | | |
| Fire vault temperature | °C | 500 - 900 | | |
| Rated power / partial power - Need of draught | mBar | 0,1 | | |
| Flue gas temp ra pow/pa load | °C | 45 - 80 40 - 80 | | |
| F.g. volume rated power at f.g. tem. | kg/h | 97,5 | 113,2 | 121,1 |
| F.g. volume partial load at f.g. tem. | kg/h | 31 | 34,9 | 39 |
| F.g. volume rated power at AGT | m³/h | 75 | 87,1 | 93,2 |
| F.g. volume partial load at AGT | m³/h | 24 | 27,1 | 30,2 |
| Flue gas tube diameter (boiler) | mm | 182,5 | 182,5 | 182,5 |
| Chimney diameter | as per chimney calculation, EN 13384-1, min. 180 | | | |
| Chimney construction | qualified for condensing - solid fuel - damp resistant-qualified for negative draft (N1), pressure tight up to 0,2mbar | | | |

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|------------------------------------|---|---------------|---------------|---------------|
| Fuel | Pellets made of 100% natural wood as per EN 14961-2, class A1 | | | |
| Colorific value | MJ/kg | ≥ 16,5 | | |
| Colorific value | kWh/kg | ≥ 4,6 | | |
| Bulk density | kg/m³ | > 600 | | |
| Water content | Gew.% | < 10 | | |
| Ash parts | Gew.% | < 0,7 | | |
| Length | mm | < 40 | | |
| Diameter | mm | 6 ±1 | | |
| Weight | | | | |
| Overall Weight packing included | kg | 780 | | |
| Overall Weight | kg | 734 | | |
| Boiler Body Weight | kg | 330 | | |
| Internal ash pan volume | l | 30 | | |
| External ash box volume | kg | 25 | | |
| Electrical Components | | | | |
| Connection value - Suction system | 230 VAC, 50Hz, 16A | | | |
| Main Drive | W | 40 | | |
| Drive Motor | W | 250 / 370 | | |
| Suction Turbine | W | 1400 | | |
| Combustion Air Blower | W | 62 | | |
| Flue gas fan | W | 72 | | |
| Electrical Ignition | W | 250 | | |
| Cleaning Motor | W | 40 | | |
| Motor External Ash Box | W | 40 | | |
| Motor Burner plate cleaning system | W | 40 | | |
| Flame Return Gate | W | 5 | | |



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