

EEI CERTIFICATE



**DANISH
TECHNOLOGICAL
INSTITUTE**

Teknologiparken
Kongsvang Allé 29
DK-8000 Aarhus C
Phone +45 72 20 10 00
Fax +45 72 20 10 19
Info@teknologisk.dk

Product: Biofuel boiler
Manufacturer: VVS Eksperten
Model: Biomax 1200GP
Requested by: VVS-Eksperten A/S
Mimersvej 2, 8722 Hedensted

Stoking principle: Automatic

Test fuel: Wood pellets (C1)

Test procedure: EN 303-5:2012

Report no.: 300-ELAB-2332

Fixed values:

F(1)	Deduction regarding temperature controls	3 %
CC	Conversion coefficient for electricity consumption	2,5 -
BLF	Biomass label factor	1,45 -

Test results:

η_n	Efficiency at nominal heat output	95,5 %
η_p	Efficiency at minimum heat output	90,5 %
el_{max}	Electricity consumption at nominal heat output	0,022 kW
el_{min}	Electricity consumption at minimum heat output	0,012 kW
P_{SB}	Electricity consumption in standby mode	0,013 kW
P_n	Nominal heat output	12,8 kW
P_p	Minimum heat output	3,4 kW
H_{ud}	Gross calorific value, dry	20,7 MJ/kg
M	Moisture content	6,2 %

Calculation of the Energy Efficiency Index:

Energy efficiency:	118,0 -
Energy efficiency class:	A+ -
Energy efficiency index (EEI):	$98 \leq EEI < 125$ -

Aarhus, 11. June 2020

Torben Nørgaard Jensen
B. Sc.