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EEL ASSURANCE

№DI-418/10.11.2023

Регламент/Regulation (EU) 2015/1186

Product: Wood Household fireplace for installation with water jacket
Manufacturer: Costruzioni Tecniche Meccaniche S.r.l.
Model: DOMINUS GOLD 30, ser. № ser. CTMDMNGS030
Requested by: Costruzioni Tecniche Meccaniche S.r.l.
Via Cese Nove, s.n.c. – Zona Industriale 82030 San Salvatore Telesino (BN) – ITALIA

Stoking principle: manual
Test Fuel: Solid fuel – hornbeam; Test 14435/15.05.2023
Test procedure: EN 13229:2006
Test report no: CPR 386/27.10.2023

Fixed values:

F (5) Correction factor accounting for a negative contribution to the energy efficiency index by energy consumption of a permanent pilot flame 0 [%]
CC Conversion coefficient for electricity consumption 2.5 [-]
BLF Biomass label factor 1.45 [-]

Test results:

$\eta_{nominal}$ Calculated efficiency at rated heat output 88.48 [%]
 $\eta_{minimum}$ Calculated efficiency at minimum heat output 0.00 [%]
M Test fuel, moisture 8.79 [%]
GCV_{mf} Test fuel, gross calorific value, moisture free 19.28 [MJ/kg]
NCV Test fuel, net heating value, with moisture 16.24 [MJ/kg]
NCV_{iwf} Test fuel, net heating value, moisture free 17.96 [MJ/kg]
el_{max} Electric power requirement at nominal heat output' 0 [kW]
el_{min} Electric power requirement at minimum heat output' 0 [kW]
el_{SB} Electric power requirement in standby mode' 0 [kW]
P_{nom} Nominal heat output 30.74 [kW]
P_{min} Minimum heat output 0.00 [kW]

Calculations

$\eta_{th\ nom}$ Useful efficiency, at either nominal heat output 88.48 [%]
 $\eta_{th\ min}$ Efficiency at reduced output 0.00 [%]
 $\eta_{el,n}$ Electrical efficiency of solid fuel cogeneration boiler 0.00 [%]
 η_{son} Seasonal space heating energy efficiency in active mode 88.48 [%]
 η_s Seasonal space heating energy efficiency 78.48 [%]

F(2) Correction factor accounting positive contribution to the EEL of controls of indoor heating comfort, which values cannot be summed /with electronic room temperature control plus week timer / 0.0 [%]

F(3) Correction factor accounting positive contribution to EEL of the controls for indoor heating comfort /with distance control option / 0.0 [%]

F(4) Correction factor accounting for a negative contribution to the EEL by auxiliary electricity consumption 0.0000 [%]

Calculation of the Energy Efficiency index:

Energy Efficiency: 118.30
Energy Efficiency class: A+
Energy Efficiency index (EEL) 107 ≤ EEL < 130

Изготвил:

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Manager:

/M. Sc. L. Vasilev/

