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EEL ASSURANCE

№DI-414/10.11.2023

Регламент/Regulation (EU) 2015/1186

Product: Wood Household fireplace for installation with water jacket
 Manufacturer: Costruzioni Tecniche Meccaniche S.r.l.
 Model: DOMINUS GOLD 22, ser. № CTMDMNGS022
 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 385/23.10.2023
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	88.16 [%]
$\eta_{minimum}$	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	22.31 [kW]
P _{min}	Minimum heat output	0.00 [kW]

Calculations

$\eta_{th\ nom}$	Useful efficiency, at either nominal heat output	88.16 [%]
$\eta_{th\ min}$	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	88.16 [%]
η_s	Seasonal space heating energy efficiency	78.16 [%]
F(2)	Correction factor accounting positive contribution to the EEI 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 EEI of the controls for indoor heating comfort /with distance control option /	0.0 [%]
F(4)	Correction factor accounting for a negative contribution to the EEI by auxiliary electricity consumption	0.0000 [%]

Calculation of the Energy Efficiency index:

Energy Efficiency: 117.83
 Energy Efficiency class: A+
 Energy Efficiency index (EEI): 107 ≤ EEI < 130

Prepared by:

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