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Test Certificate

Manufacturer	ThermoFLUX d.o.o. Bage 3 70101 Jajce Bosnia and Hercegovina
Client	Firevision Austria GmbH Gewerbestrasse 1/2 5325 Plainfeld Austria
Type of test	Initial testing in accordance with the requirements of EN 303-5
Name of device	Ecologic plus 37
Name of the tested model	LOGIC 37
Testing Fuel	Wood pellets (EN plus A1)
Nominal heat output kW	37
Partial heat output in kW	11
Test reports for the evaluation	PL-21018-P from 23.03.2021 of the Test Laboratory for Combustion Plants at the Institute of Chemical, Environmental & Bioscience Engineering at the Vienna University of Technology.

Assessment:

Based on the testing carried out, the requirements related to EN 303-5, to the agreement pursuant to Article 15a of the Federal Constitution Act on the "Marketing of residential heating and inspection of combustion plants and cogeneration units" as well as to regulation (EU) 2015/1187 and to regulation (EU) 2015/1189 are met.

Test results and limit values	Appendix (2 pages)
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Vienna, 08.03.2022

Person responsible for testing

Dipl.-Ing. S. Diem

Head of Laboratory



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Ing. Dipl.-Ing. Dr. S. Müller

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Appendix to Test Certificate for boiler “Ecologic plus 37“

Efficiency %	
Full load	Partial load
92,1	93,0

		Emissions (under standard conditions at 0 °C and 1013 mbar)		
		mg/m ³ at 10 % O ₂	mg/m ³ at 13 % O ₂	mg/MJ
		Full load	Partial load	Full load
CO	Full load	52	38	24
	Partial load	73	53	34
NO as NO ₂	Full load	186	135	87
	Partial load	149	109	70
OGC (Org. C)	Full load	<3	<3	<3
	Partial load	<3	<3	<3
PM	Full load	11	8	5
	Partial load	5	4	3

	Seasonal space heating emissions (under standard conditions at 0 °C and 1013 mbar)
	mg/m ³ at 10 % O ₂
CO	70
NO as NO ₂	155
OGC	1
PM	6

Seasonal space heating energy efficiency (η_s)	84
Energy Efficiency Index (EEI)	122
Energy Efficiency Class	A+

Appendix to Test Certificate for boiler “Ecologic plus 37“

Limit values	EN 303-5		Art. 15a B-VG	
	Full load	Partial load	Full load	Partial load
Efficiency %	≥ 88,6		≥ 84,4	
Emissions	mg/m ³ at 10% O ₂		mg/MJ	
CO	500		250	
NO as NO ₂	-		100	
OGC	20		20	
PM	40		20	

Limit values	Regulation (EU) 2015/1189
Seasonal space heating energy efficiency %	≥ 75 / ≥ 77*
Seasonal space heating emissions	mg/m ³ at 10% O ₂
CO	500
NO as NO ₂	200
OGC	20
PM	40

*at nominal heat output >20 kW

Energy Efficiency Class	EEl
A+++	≥ 150
A++	≥ 125
A+	≥ 98
A	≥ 90
B	≥ 82
C	≥ 75
D	≥ 36
E	≥ 34
F	≥ 30
G	< 30