

Report No. K34152023Z1

Residential space heating appliances
Initial type test
-Renaming-
DIN EN 14785

Type:
PF 923 S

Company:
JOTUL FRANCE SAS

2023



This accreditation is valid only for the listed standards as stated in the accreditation annex of D-PL-11120-04-00

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Publication of page 2 is permitted.**

The test results presented in this report refer solely to the test object stated as described on page 2. The report does not represent a general statement about the serial production of the test object and gives not an authorization for use of a TÜV Rheinland test- / certification mark.

Initial Type Testing
Residential space heating appliances fired by wood pellets
-Pellet stove-
DIN EN 14785: September 2006
Correction 1 DIN EN 14785:10.2007

Applicant/contractor:	JOTUL FRANCE SAS 3, chemin du jubin F-69574 Dardilly Cedex
Type designation:	PF 923 S
Type of appliance:	Residential space heating appliance fired by wood pellets without water heat exchanger with fan assisted flue discharge with internal fuel hopper
	PF 923 S
Total heat input in kW	2,34 - 9,92
Space heat output in kW	2,2 - 9,1
Water heat output:	Not applicable
Fuels:	Wood pellets

Remarks: Room sealed

Test results:

The technical requirements cl. 4-8 of the above mentioned standard are fulfilled. The local applicable installation conditions are to be observed.

The electrical safety cl. 5.9. of the standard was not a part of this initial type testing.

The presumption of conformity with the relevant European Directives could only be confirmed by full compliance with Annex ZA.

Additional details are documented in the initial report K15622015T1-rev.1.

Cologne, 22.11.2023
667/pom

TÜV Rheinland Energy GmbH
Test Centre according to Construction Product
Regulation 305/2011(CPR)
Notified Body: 2456

Expert

Report released after review



Dipl.-Ing. A. Pomp

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Residential space heating appliances fired by wood pellets, Initial Type Test in accordance with the regulation 305/2011
conformity certification system no. 3

1. Task

The Test Centre for Energy Appliances was instructed to execute a renaming on the above mentioned pellet stoves.

Basic Palazzetti Lelio S.p.A. I-33080 Porcia (PN) K15622015T1-rev.1 K15622016E3 K15622019E4 K15622022E5	New JOTUL FRANCE SAS F-69574 Dardilly Cedex Report K 34152023Z1
AP004B_0_09	PF 923 S

2. Testing

The practical tests were carried out in March 2015 on the stove AP004B_0_09 by Palazzetti Lelio S.p.A. (report K15622015T1-rev.1). JOTUL FRANCE SAS ensures that modifications on the above mentioned products were not carried out.

2.1 Resume of test results

Type designation		PF 923 S		Requirement
		Full load	Partial load	
Test fuel		Pellets		
Mass of the test fuel fired hourly	kg/h	2,023	0,477	-
Flue gas mass flow	g/s	5,3	2,7	-
Flue gas temperature	°C	159,5	65,1	-
Flue draught	mbar	0,12	0,12	0,12/0,10 +/-0,02
CO ₂ -concentration	Vol.-%	13,16	5,72	-
O ₂ -concentration	Vol.-%	7,09	14,95	-
CO-concentration	ppm	65,7	244,4	-
CO-emission (at 13%-O ₂)	mg/m ³	47,2	404,2	500/750
CO-emission	mg/kWh	110,6	946,4	-
CO-emission	mg/MJ	30,7	262,9	500 (Art. 15a)
NO _x -concentration	ppm	126,3	63,0	-
NO _x -emission (at 13%-O ₂)	mg/m ³	148,9	170,9	-
NO _x -emission	mg/kWh	348,6	400,2	-
NO _x -emission	mg/MJ	96,8	111,2	100 (Art. 15a)
CnHm-concentration measured acc. CEN/TS 15883	ppm	0,6	3,7	-
CnHm-emission (at 13%-O ₂)	mg/m ³	0,5	7,9	-
CnHm-emission	mg/kWh	1,2	18,5	-
CnHm-emission	mg/MJ	0,3	5,1	30 (Art. 15a)
Dust concentration measured acc. CEN/TS 15883 and EN13284-1	mg	8,1	2,6	-
Dust emission (at 13%-O ₂)	mg/m ³	15,5	11,4	-
Dust emission	mg/kWh	36,3	26,7	-
Dust emission	mg/MJ	10,1	7,4	25 (Art.15a)
Particulate emission acc. PrEN16510:2012	mg/m ³	15,7	14,9	-
Total heat output	kW	9,10	2,20	-
Water heat output	kW	0,00	0,00	-
Space heat output	kW	9,10	2,20	-
Efficiency	%	91,8	94,3	75/70 (EN14785) - 80(Art. 15a)

PF 923 S			
Maximum temperatures at trihedron:			
- Right side	°C	66,7	65 K over tambient
- Back side	°C	67,4	65 K over tambient
- Front side 80 cm	°C	45,6	65 K over tambient
- Floor	°C	41,3	65 K over tambient
Distances:			
- Backside-Pelletstove	mm	100	
- Side-Pelletstove	mm	100	
- Front-Pelletstove	mm	800	
Ambient temperature	°C	21,4	
Max. temperature in fuel hopper	°C	86,2	65 K over tambient
Max. temperature of operating tools	°C	58,7*	35 K over tambient

*) tool provided by the manufacturer

PF 923 S	Limit (m³/h)		
Leakage test of appliance at 10Pa	m³/h	0,258	2,0
Leakage test of appliance at 50Pa	m³/h	0,978	1,635

Tests executed with 5 additional external pipes, 200 cm of combustion air input pipes and 200 cm of exhaust gas output pipes. Both input and output have two pipes curves each one.

3. Statement of the test results

The appliance

PF 923 S

of

JOTUL FRANCE SAS

complies with the requirements acc. DIN EN 14785: September 2006. The results of the basic initial type test (see report K15622015T1-rev.1) are not affected by the renaming.

The electrical safety cl. 5.9. of the standard was not a part of this initial type testing.

The presumption of conformity with the relevant European Directives could only be confirmed by full compliance with Annex ZA.

This statement was given based on the documentation submitted by the manufacturer and the tested sample. The statement is valid only for products / appliances which are manufactured according to the tested specimen.

4 Test documents

A 1	Declarations of identical construction	...	31.09.2023
A 2	Type labels		
A 3	Drawing		
A 4	DOP's		11.09.2023
A 5	Declaration of marketer		11.09.2023