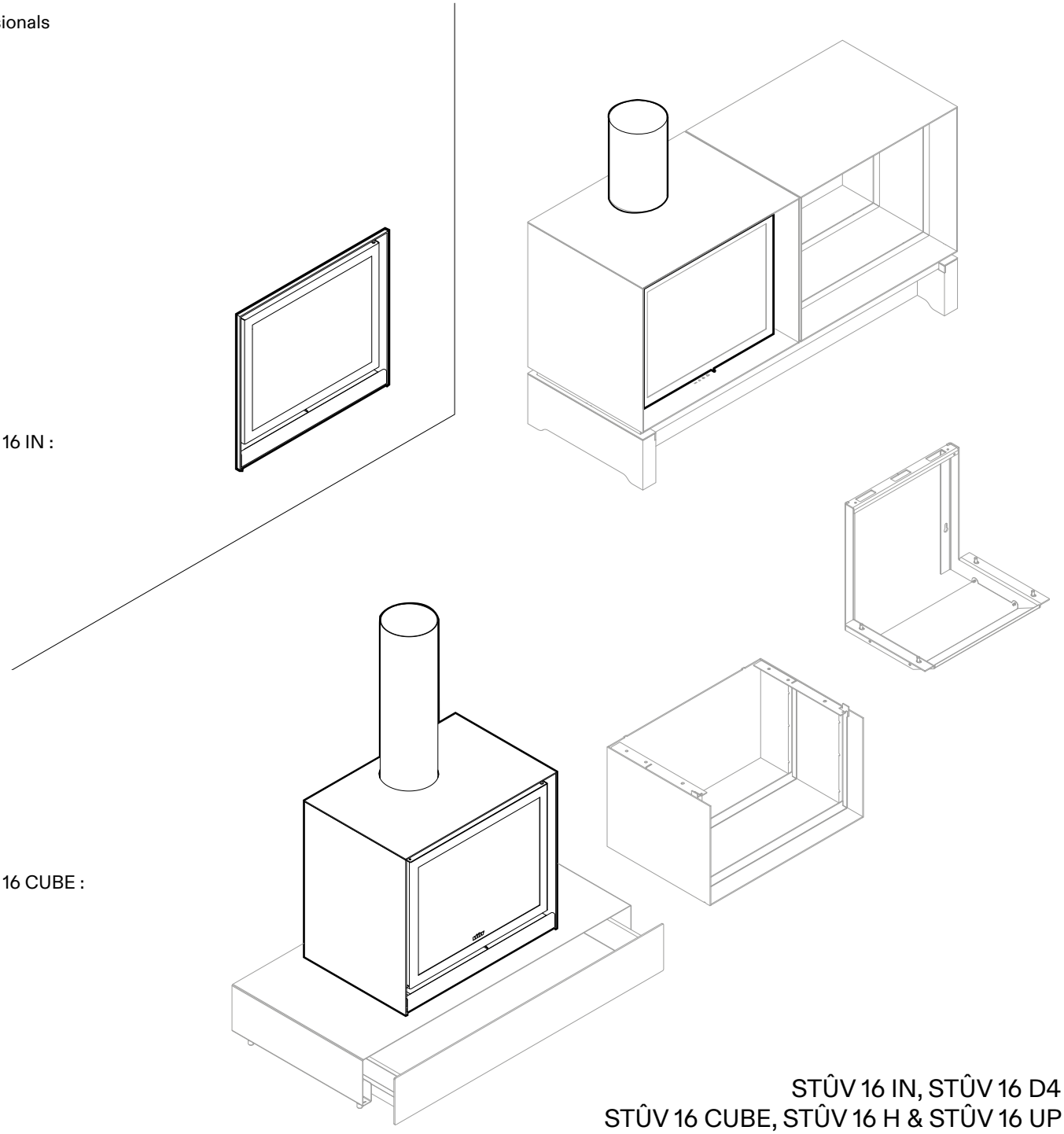
July 2025 [EN] 93104223

Directions for use s[16] in & s[16]cube

For professionals



[SN] STÛV 16 IN :
172811 >...

[SN] STÛV 16 CUBE :
174001 >...

STÛV 16 IN, STÛV 16 D4
STÛV 16 CUBE, STÛV 16 H & STÛV 16 UP

stûv

This guide is available in digital format at : www.stuv.com

Welcome to the world of Stûv

You have just opted for an eco-friendly, high-performance heating system.
We hope that you enjoy using it from this moment on.
You will find advice and the installation instructions in this document.
The operating instructions, which are on an additional leaflet, will guide you on the use and maintenance of your Stûv.
We highly recommend that you entrust the installation of this Stûv to a qualified professional who can especially check that the characteristics of the flue correspond to the installed stove.
The installation of the stove, its accessories and the materials which surround it must comply with all regulations (local and national) and all of the standards (national and European) of the country of installation.
Any changes made to the appliance can be dangerous.
In addition, the appliance will no longer be covered by its warranty.
We recommend that you read this manual before carrying out the installation.

Table of contents

General informations

1. Recommandations

Please read the installation and usage instructions before installing and using the product.

You should also follow the recommendations for using your stove.

This Stûv cladding should be installed by a professional who has received the appropriate training from the Stûv manufacturer or one of its importers.

Once the cladding has been installed, hand over these instructions to the user. Signature of the delivery note implies the recipient's acceptance and acknowledgement that the goods are the ones that were ordered. It is therefore important to check it thoroughly at the time of delivery.

Follow the maintenance instructions.

Any change made to the cladding may be dangerous. Please follow the specific instructions.

Installation of the stove, its accessories and the surrounds must comply with all (local and national) regulations and all (national and European) norms.

⚠ **Stûv recommends that each installation complies with the installation standards EN 15287-1 or -2 and that a calculation note is made according to standard 13384-1 and its annex to ensure that the appliance does not operate in a condensation regime. This calculation must cover the power range targeted by the appliance. Verify that your flue is in accordance with standard EN 1856-1 and EN 14989-2, which characterize metal flue pipes.**

2. Precautions regarding surrounding materials

The building materials around the device may reach temperatures of up to 90°C. Please make sure that they can tolerate this temperature both for their structural integrity and for the risk of dangerous emissions.

It is essential that you comply with the maximum amount of wood to be burned per hour to prevent the device from overheating. This limit is provided in the installation instructions for the Stûv 16.

Follow the rules (local and national norms and regulations) for decompressing the chamber in which the device is installed.

3. Recommandations for dismantling, recycling and disposal of the appliance at the end of its life cycle

Stûv has a determinedly proactive responsible environmental apprach. We think about the end-of-life of our products.

Each of the device's components can be isolated so that sorting can be carried out and therefore optimum recycling.

Removal of the various parts must be done in accordance with local and national regulations.

4. Legal terms and conditions of use

⚠ This appliance must not be used by children under 8 years old under any circumstances.

⚠ This appliance can only be used by persons with reduced physical, sensory, or mental capabilities if they are under supervision or have received the necessary training for the safe use of the appliance.

⚠ Cleaning and maintenance by the user must not be performed by children without supervision.

⚠ Children must not play with the appliance! Certain parts of the appliance, such as the glass and outer walls, can become very hot even during normal use (nominal power), and the glass radiation can be significant.

Labeling

1. CE marking

CE					European Standards: EN 16510-2-2 Notified body identification number: 0051 Declaration of performance reference number : 25-1651022-01		
16 Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers **STÛV 16 IN 58**					**Intended use :** insert for space heating in residential buildings. Please read and follow the user instructions before starting! **Only use recommended fuels :** wood logs exclusively.		
Hygiene, health and environment			Nominal output	Part load output	Energy economy and heat retention	Nominal output	Part load output
Emissions at 13% d'oxygène		CO	755 mg/Nm³	3569 mg/Nm³	Space heat output	7 kW	3,4 kW
		NOx	96 mg/Nm³	94 mg/Nm³	Water heat output	n.a.	n.a.
		OGC	33 mg/Nm³	268 mg/Nm³	Efficiency	79,1 %	75,4 %
		PM	14,7 mg/Nm³	16,2 mg/Nm³	Space heating efficiency at nominal heat output	69,1 %	
Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)	Energy-Efficiency Index (EEI)	105	
					Energy-Efficiency class	A	
Rear	dR	60 mm	30 mm	30 mm	Electric power consumption at nominal output	n.a.	
Sides	dS	50 mm	20 mm	30 mm	Electric power consumption at part load output	n.a.	
Ceiling	dC	750 mm	660 mm	90 mm	Power consumption in standby mode	n.a.	
Bottom	dB	80 mm	80 mm	0mm	Electric power (peak)	n.a.	
Distance to adjacent combustible (ex: furniture)	dP	1450 mm	1450 mm	-	Electric power (average)	n.a.	
					Voltage	n.a.	
Floor in front	dF	700 mm	700 mm	-	Frequency	n.a.	
Side radiation area	dL	700 mm	700 mm	-	Mechanical resistance and stability		
Safety and accessibility in use			Nominal output	Part load output	Load bearing capacity	NPD	
Flue gas outlet temperature			303°C	246°C			
Minimum flue draught			12 Pa	7 Pa			
Flue gas mass flow			5,9 g/s	4,2 g/s			
Fire safety of installation to the chimney				T 400 G			

CE					European Standards: EN 16510-2-2 Notified body identification number: 0051 Declaration of performance reference number : 25-1651022-02		
16 Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers **STÛV 16 IN 68**					**Intended use :** insert for space heating in residential buildings. Please read and follow the user instructions before starting! **Only use recommended fuels :** wood logs exclusively.		
Hygiene, health and environment			Nominal output	Part load output	Energy economy and heat retention	Nominal output	Part load output
Emissions at 13% d'oxygène		CO	966 mg/Nm³	3974 mg/Nm³	Space heat output	7,4 kW	3,5 kW
		NOx	96 mg/Nm³	94 mg/Nm³	Water heat output	n.a.	n.a.
		OGC	34 mg/Nm³	404 mg/Nm³	Efficiency	77 %	75,4 %
		PM	14,7 mg/Nm³	32,3 mg/Nm³	Space heating efficiency at nominal heat output	67 %	
Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)	Energy-Efficiency Index (EEI)	102	
					Energy-Efficiency class	A	
Rear	dR	80 mm	50 mm	30 mm	Electric power consumption at nominal output	n.a.	
Sides	dS	50 mm	20 mm	30 mm	Electric power consumption at part load output	n.a.	
Ceiling	dC	750 mm	660 mm	90mm	Power consumption in standby mode	n.a.	
Bottom	dB	80 mm	80 mm	0 mm	Electric power (peak)	n.a.	
Distance to adjacent combustible (ex: furniture)	dP	1750 mm	1750 mm	-	Electric power (average)	n.a.	
					Voltage	n.a.	
Floor in front	dF	850 mm	850 mm	-	Frequency	n.a.	
Side radiation area	dL	850 mm	850 mm	-	Mechanical resistance and stability		
Safety and accessibility in use			Nominal output	Part load output	Load bearing capacity	NPD	
Flue gas outlet temperature			303°C	218°C			
Minimum flue draught			12 Pa	7 Pa			
Flue gas mass flow			6,8 g/s	4,3 g/s			
Fire safety of installation to the chimney				T 400 G			

CE

European Standards: EN 16510-2-2
Notified body identification number: 0051
Declaration of performance reference number : 25-1651022-03

16
Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers

STÛV 16 IN 78

Intended use : insert for space heating in residential buildings.
Please read and follow the user instructions before starting!
Only use recommended fuels : wood logs exclusively.

Hygiene, health and environment		Nominal output	Part load output
Emissions at 13% d'oxygène	CO	966 mg/Nm³	3974 mg/Nm³
	NOx	82 mg/Nm³	76 mg/Nm³
	OGC	34 mg/Nm³	404 mg/Nm³
	PM	14 mg/Nm³	32,3 mg/Nm³

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	80 mm	50 mm	30 mm
Sides	dS	50 mm	20 mm	30 mm
Ceiling	dC	750 mm	660 mm	90mm
Bottom	dB	80 mm	80 mm	0 mm
Distance to adjacent combustible (ex: furniture)	dP	1750 mm	1750 mm	-
Floor in front	dF	850 mm	850 mm	-
Side radiation area	dL	850 mm	850 mm	-

Safety and accessibility in use	Nominal output	Part load output
Flue gas outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	8 Pa
Flue gas mass flow	7,6 g/s	4,4 g/s
Fire safety of installation to the chimney		T 400 G

Energy economy and heat retention	Nominal output	Part load output
Space heat output	7,8 kW	3,6 kW
Water heat output	n.a.	n.a.
Efficiency	77 %	77,8 %
Space heating efficiency at nominal heat output	67 %	
Energy-Efficiency Index (EEI)	102	
Energy-Efficiency class	A	
Electric power consumption at nominal output	n.a.	
Electric power consumption at part load output	n.a.	
Power consumption in standby mode	n.a.	
Electric power (peak)	n.a.	
Electric power (average)	n.a.	
Voltage	n.a.	
Frequency	n.a.	
Mechanical resistance and stability		
Load bearing capacity	NPD	

CE

European Standards: EN 16510-2-1
Notified body identification number: 0051
Declaration of performance reference number : 25-1651021-01

16
Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers

STÛV 16 CUBE/D4/H/UP 58

Intended use : space heating in residential buildings. Please read and follow the user instructions before starting!
Only use recommended fuels : wood logs exclusively

Hygiene, health and environment		Nominal output	Part load output
Emissions at 13% d'oxygène	CO	755 mg/Nm³	3569 mg/Nm³
	NOx	96 mg/Nm³	94 mg/Nm³
	OGC	33 mg/Nm³	268 mg/Nm³
	PM	14,7 mg/Nm³	16,2 mg/Nm³

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	100 mm	100 mm	-
Sides	dS	150 mm	150 mm	-
Ceiling	dC	750 mm	750 mm	-
Bottom	dB	10 mm	10 mm	-
Distance to adjacent combustible (ex: furniture)	dP	1400 mm	1400 mm	-
Floor in front	dF	650 mm	650 mm	-
Side radiation area	dL	650 mm	650 mm	-

Safety and accessibility in use	Nominal output	Part load output
Flue gas outlet temperature	303°C	246°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	5,9 g/s	4,2 g/s
Fire safety of installation to the chimney	T 400 G	

Energy economy and heat retention	Nominal output	Part load output
Space heat output	7 kW	3,4 kW
Water heat output	n.a.	n.a.
Efficiency	79,1 %	75,4 %
Space heating efficiency at nominal heat output	69,1 %	
Energy-Efficiency Index (EEI)	105	
Energy-Efficiency class	A	
Electric power consumption at nominal output	n.a.	
Electric power consumption at part load output	n.a.	
Power consumption in standby mode	n.a.	
Electric power (peak)	n.a.	
Electric power (average)	n.a.	
Voltage	n.a.	
Frequency	n.a.	
Mechanical resistance and stability		
Load bearing capacity	NPD	

CE

European Standards: EN 16510-2-1
Notified body identification number: 0051
Declaration of performance reference number : 25-1651021-02

16
Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers

STÛV 16 CUBE/D4/H/UP 68

Intended use : space heating in residential buildings. Please read and follow the user instructions before starting!
Only use recommended fuels : wood logs exclusively

Hygiene, health and environment		Nominal output	Part load output
Emissions at 13% d'oxygène	CO	966 mg/Nm³	3974 mg/Nm³
	NOx	96 mg/Nm³	94 mg/Nm³
	OGC	34 mg/Nm³	404 mg/Nm³
	PM	14,7 mg/Nm³	32,3 mg/Nm³

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	100 mm	100 mm	-
Sides	dS	150 mm	150 mm	-
Ceiling	dC	750 mm	750 mm	-
Bottom	dB	10 mm	10 mm	-
Distance to adjacent combustible (ex: furniture)	dP	1650 mm	1650 mm	-
Floor in front	dF	650 mm	650 mm	-
Side radiation area	dL	650 mm	650 mm	-

Safety and accessibility in use	Nominal output	Part load output
Flue gas outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	6,8 g/s	4,3 g/s
Fire safety of installation to the chimney	T 400 G	

Energy economy and heat retention	Nominal output	Part load output
Space heat output	7,4 kW	3,5 kW
Water heat output	n.a.	n.a.
Efficiency	77 %	75,4 %
Space heating efficiency at nominal heat output	67 %	
Energy-Efficiency Index (EEI)	102	
Energy-Efficiency class	A	
Electric power consumption at nominal output	n.a.	
Electric power consumption at part load output	n.a.	
Power consumption in standby mode	n.a.	
Electric power (peak)	n.a.	
Electric power (average)	n.a.	
Voltage	n.a.	
Frequency	n.a.	
Mechanical resistance and stability		
Load bearing capacity	NPD	

CE

European Standards: EN 16510-2-1
Notified body identification number: 0051
Declaration of performance reference number : 25-1651021-03

16
Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers

STÛV 16 CUBE/D4/H/UP 78

Intended use : space heating in residential buildings. Please read and follow the user instructions before starting!
Only use recommended fuels : wood logs exclusively

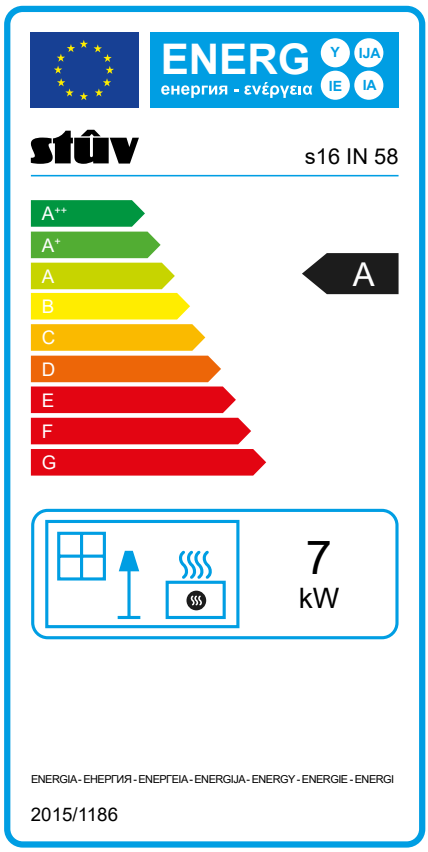
Hygiene, health and environment		Nominal output	Part load output
Emissions at 13% d'oxygène	CO	966 mg/Nm³	3974 mg/Nm³
	NOx	82 mg/Nm³	76 mg/Nm³
	OGC	34 mg/Nm³	404 mg/Nm³
	PM	14 mg/Nm³	32,3 mg/Nm³

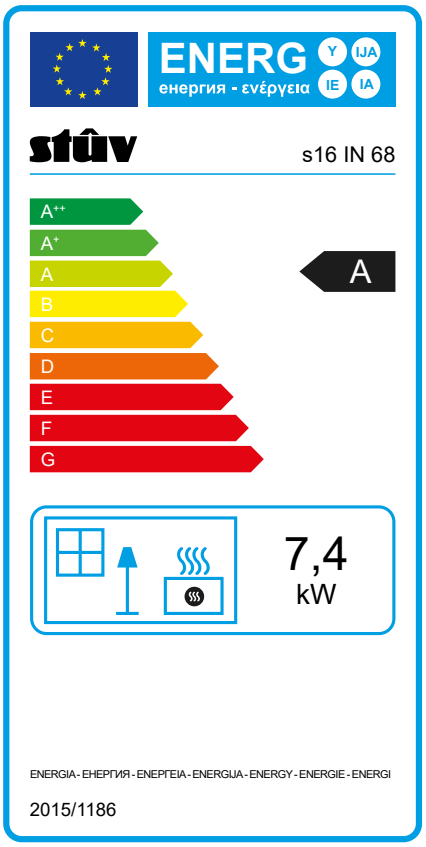
Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	100 mm	100 mm	-
Sides	dS	150 mm	150 mm	-
Ceiling	dC	750 mm	750 mm	-
Bottom	dB	10 mm	10 mm	-
Distance to adjacent combustible (ex: furniture)	dP	1650 mm	1650 mm	-
Floor in front	dF	600 mm	600 mm	-
Side radiation area	dL	600 mm	600 mm	-

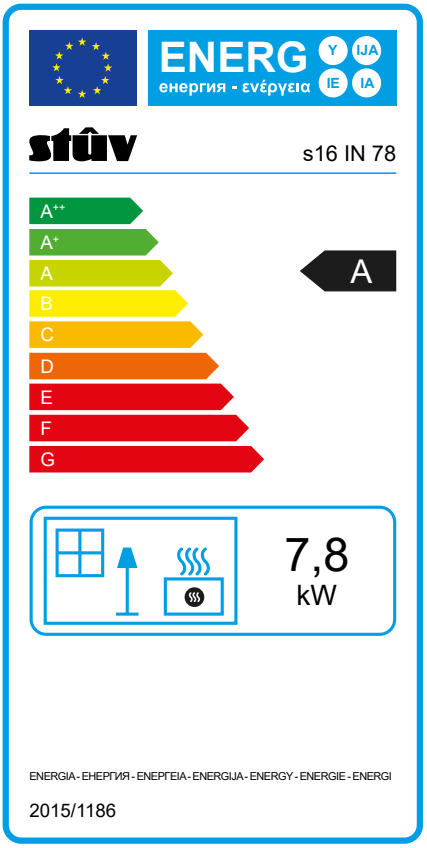
Safety and accessibility in use	Nominal output	Part load output
Flue gas outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	8 Pa
Flue gas mass flow	7,6 g/s	4,4 g/s
Fire safety of installation to the chimney	T 400 G	

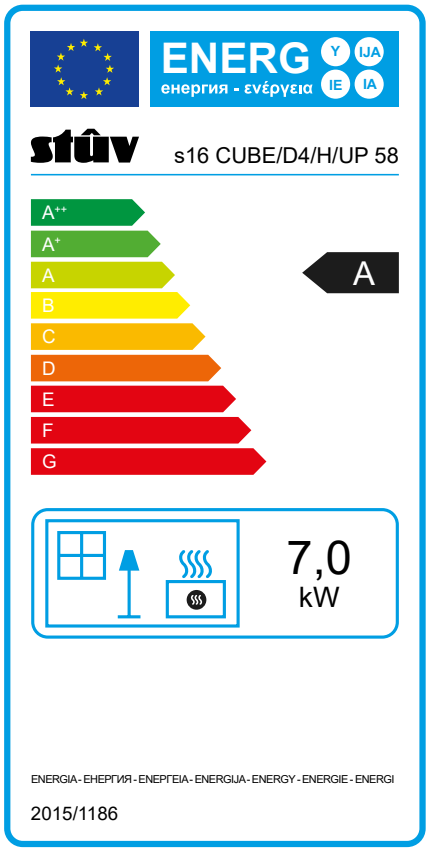
Energy economy and heat retention	Nominal output	Part load output
Space heat output	7,8 kW	3,6 kW
Water heat output	n.a.	n.a.
Efficiency	77 %	77,8 %
Space heating efficiency at nominal heat output	67 %	
Energy-Efficiency Index (EEI)	102	
Energy-Efficiency class	A	
Electric power consumption at nominal output	n.a.	
Electric power consumption at part load output	n.a.	
Power consumption in standby mode	n.a.	
Electric power (peak)	n.a.	
Electric power (average)	n.a.	
Voltage	n.a.	
Frequency	n.a.	
Mechanical resistance and stability		
Load bearing capacity	NPD	

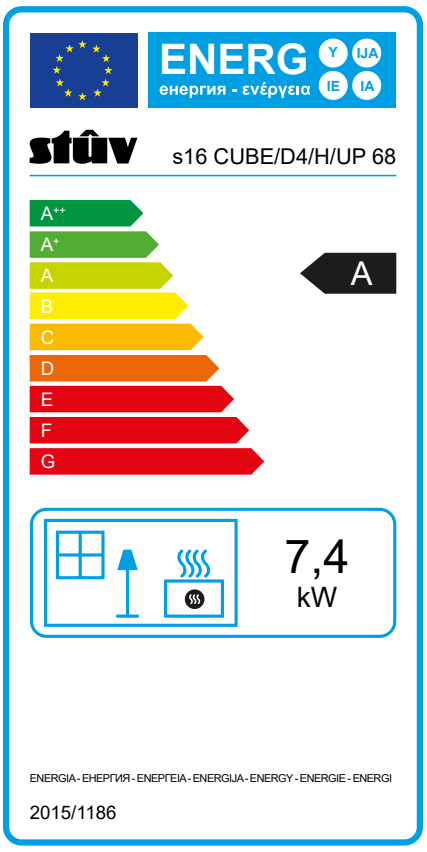
2. Energy labeling

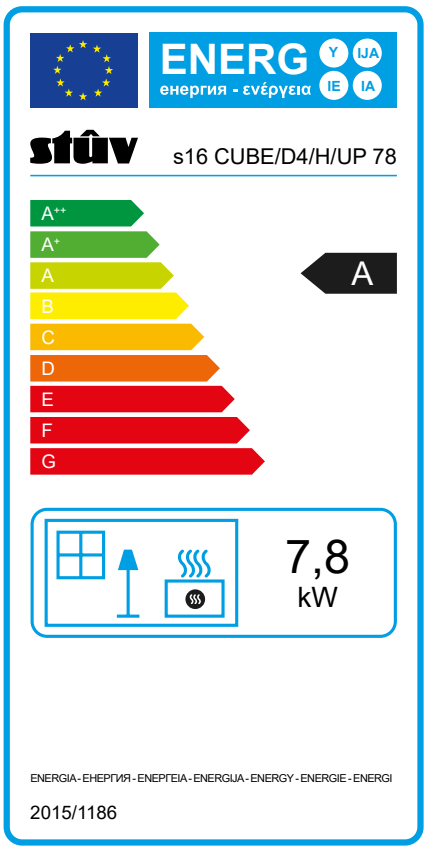












3. Product data plates

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 58

Energy efficiency rating	A (A++ ↑ G)
Direct thermal power	**7,0 kW**
Indirect thermal power	**-**
Energy efficiency index	**105**
Output at rated thermal input	**79,1 %**
Output at minimum capacity	**75,4 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 68

Energy efficiency rating	A (A++ ↑ G)
Direct thermal power	**7,4 kW**
Indirect thermal power	**-**
Energy efficiency index	**102**
Output at rated thermal input	**77,0 %**
Output at minimum capacity	**75,4 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 78

Energy efficiency rating	A (A++ ↑ G)
Direct thermal power	**7,8 kW**
Indirect thermal power	**-**
Energy efficiency index	**102**
Output at rated thermal input	**77 %**
Output at minimum capacity	**77,8 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 58 ULTRA

Energy efficiency rating	A+ (A++ ↑ G)
Direct thermal power	**7,9 kW**
Indirect thermal power	**-**
Energy efficiency index	**115**
Output at rated thermal input	**86,2 %**
Output at minimum capacity	**83,1 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 68 ULTRA

Energy efficiency rating	A+ (A++ ↑ G)
Direct thermal power	**9,1 kW**
Indirect thermal power	**-**
Energy efficiency index	**114**
Output at rated thermal input	**85,4 %**
Output at minimum capacity	**75,4 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product datasheet
EU 2015/1186

Stûv s.a.

Rue Jules Borbouse,4
5170 Bois-de-Villers
info@stuv.com – www.stuv.com

Modele reference:

STÛV 16 IN 78 ULTRA

Energy efficiency rating	A+ (A++ ↑ G)
Direct thermal power	**10,3 kW**
Indirect thermal power	**-**
Energy efficiency index	**114**
Output at rated thermal input	**85,4 %**
Output at minimum capacity	**84,0 %**

Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:

Consult the installation, usage and maintenance instructions

Product presentation

1. Standards, certifications and technical specifications in accordance with EN 16510-2-2 (built-in stoves)

1.1. Flue calculation data according to standard EN 13384-1

The Stûv 16-in insets (intermittent operation) meet the requirements (efficiency, gas emissions, safety, etc.) of the European standards EN 16510-2-2. The data provided below has been verified by an accredited laboratory.

⚠ **In all cases, your installation must comply with standards EN 15287-1 or -2 and their annexes. Consequently, your flue system must adhere to standard EN 13384-1 and its annex.**

	58		**68**		**78**	
	Part.	Nom.	Part.	Nom.	Part.	Nom.
Heat output (kW)	3,4	7	3,5	7,4	3,6	7,8
Efficiency (%)	75,4	79,1	75,4	77,0	77,8	77,0
CO_2 concentration (%)	7,2	10,6	7,1	9,1	7,1	9,5
Average flue gas t° at the "spigot" outlet (°C)	291	359	267	351	243	343
Min. draft at the outlet for flue calculation (Pa)	7	12	7	12	8	12
Flue gas mass flow rate (g/s)	4,2	5,9	4,3	6,8	4,4	7,6

1.2. Other technical data

Flue shape	Circular		Circular		Circular	
Flue diameter (mm)	180		180		180	
Air intake diameter (mm)	63		63		63	
Recommended wood consumption range per hour at 12% humidity (kg/hour)	1,4	2,3	1,5	2,6	1,8	2,9
Max. wood consumption per hour to avoid overheating the appliance (kg/hour)	3		3,2		3,4	
Optimal power usage range (kW)	5	8	5	9	6	10
Maximum log length in horizontal position (cm)	40		60		50	
Minimum section of combustion air supply from outside when the appliance is not directly connected to outside air (cm^2)	50cm^2		50cm^2		50cm^2	
Maximum length & number of 90° bends with Ø63mm air intake ducts.	Max length of 1 meter with 1 single bend of 90°. ⚠ **Any deviation from this rule requires reference to your calculation note!**					
weight (kg)	91		102		112	

2. Standards, certifications and technical specifications in accordance with EN 16510-2-1 (stoves)

2.1. Flue calculation data according to standard EN 13384-1

The s16-D4, s16- H & s16-up stoves are technically composed of a s16-cube placed on a base. All the instructions related to the Stûv 16-cube are therefore applicable to the them. Note: s16-up must be installed on an incombustible wall!

	58		**68**		**78**	
	Part.	Nom.	Part.	Nom.	Part.	Nom.
Heat output (kW)	3,4	7	3,5	7,4	3,6	7,8
Efficiency (%)	75,4	79,1	75,4	77,0	77,8	77,0
CO_2 concentration (%)	7,2	10,6	7,1	9,1	7,1	9,5
Average flue gas t° at the "spigot" outlet (°C)	291	359	267	351	243	343
Min. draft at the outlet for flue calculation (Pa)	7	12	7	12	8	12
Flue gas mass flow rate (g/s)	4,2	5,9	4,3	6,8	4,4	7,6

2.2. Other technical data

Flue shape	Circular		Circular		Circular	
Flue diameter (mm)	180		180		180	
Air intake diameter (mm)	63		63		63	
Recommended wood consumption range per hour at 12% humidity (kg/hour)	1,4	2,3	1,5	2,6	1,8	2,9
Max. wood consumption per hour to avoid overheating the appliance (kg/hour)	3		3,2		3,4	
Optimal power usage range (kW)	8		12		12	
Maximum log length in horizontal position (cm)	40		60		50	
Minimum section of combustion air supply from outside when the appliance is not directly connected to outside air (cm^2)	50cm^2		50cm^2		50cm^2	
Maximum length & number of 90° bends with Ø63mm air intake ducts.	**Cube/D4/UP** : Max length of 1 meter with 1 single bend of 90°. **H** : Max length of 1 meter, no bend allowed. ⚠ **Any deviation from this rule requires reference to your calculation note!**					
weight (kg) cube	113		122		130	
D4	204		226		247	
H	136		147		158	
UP	121		130		138	

3. Product composition

3.1. Stûv 16-in

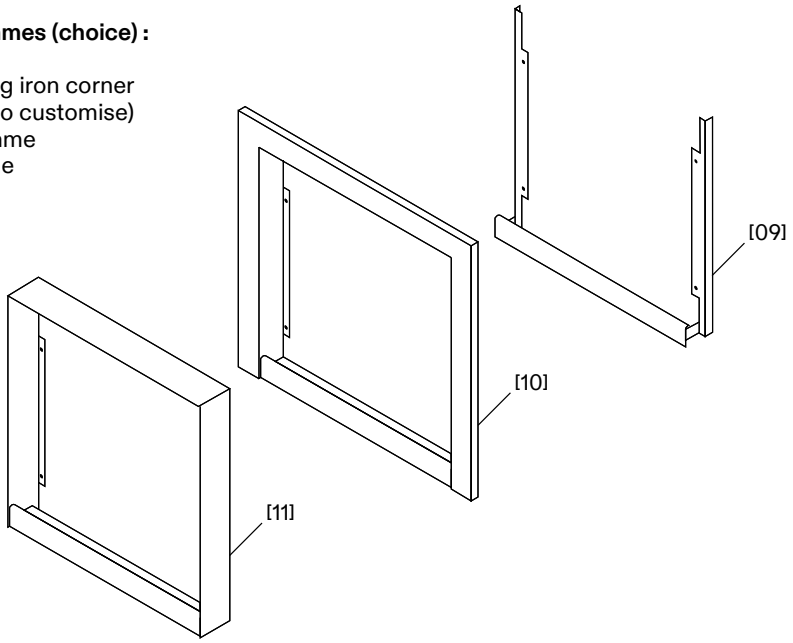
3.1.1. Stûv 16-in kit

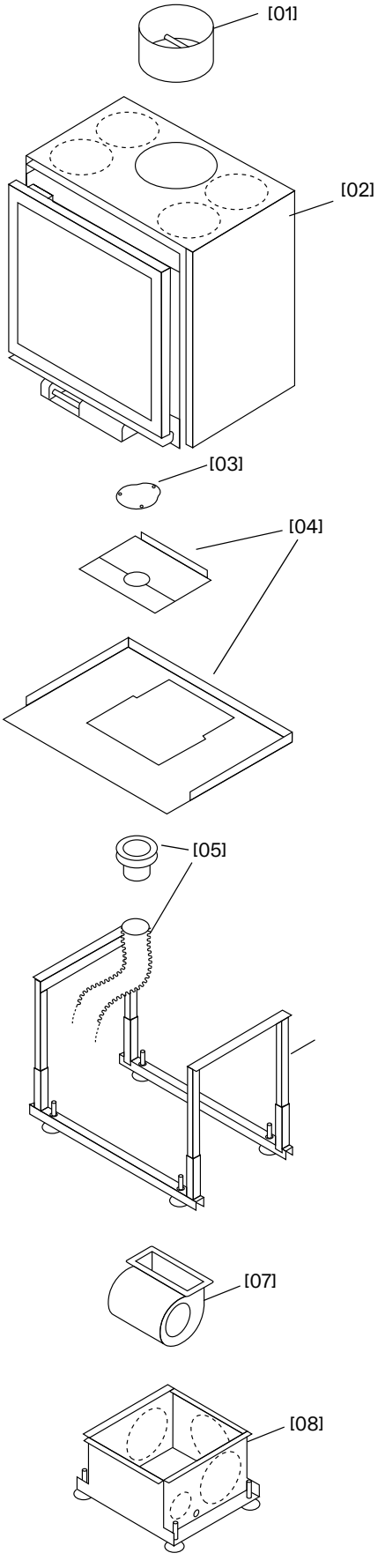
Included with the stove (basic) :
[01] Ø 180 mm flange for stainless steel tubing
[02] insert
[03] cable outlet
[04] support plate

OPTIONS :
[05] outside air intake kit: flue outlet + Ø 63 mm flexible tubing (3m)
[06] adjustable support table
[07] fan
[08] ventilation chamber

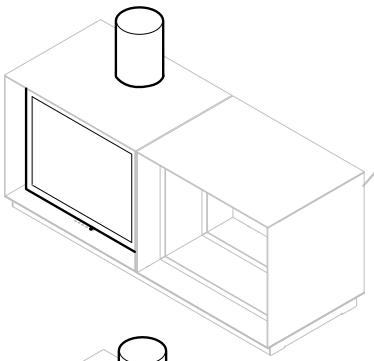
Finishing frames (choice) :

[09] Finishing iron corner (frame to customise)
[10] fitted frame
[11] thin frame



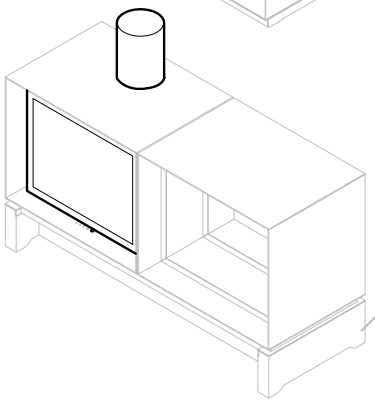


3.1.2. Additional optional kits



D4-cladding

The Stûv s16-D4 base can be ordered separately. Please refer to the installation manual included with the product before proceeding with the stove assembly.



D4 wooden-base

The Stûv 16-D4 base can be ordered with the wooden base in option. Please refer to the installation manual included with the product before proceeding with the stove assembly.

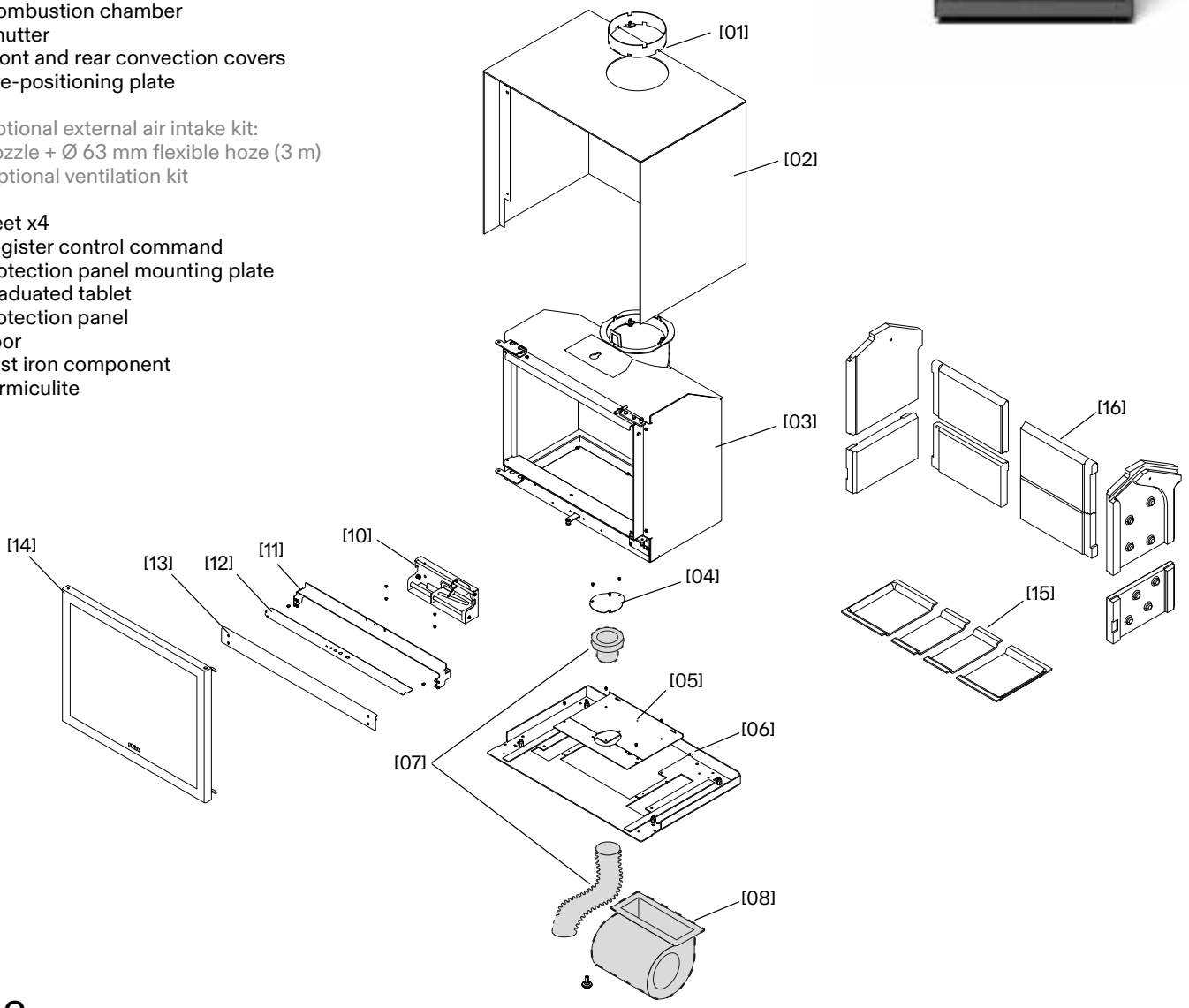
3.2. Stûv 16-cube

3.2.1. Stûv 16-cube kit

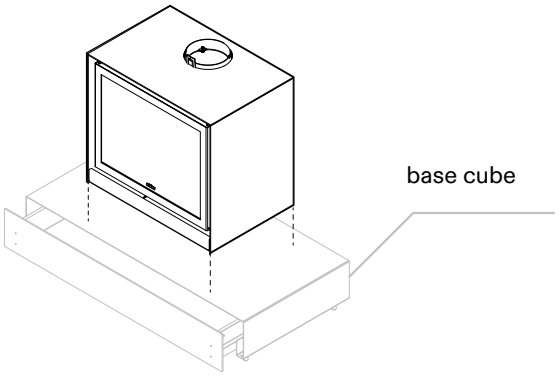
[01] Noozle connector
[02] Capot cube
[03] Combustion chamber
[04] Shutter
[05] Front and rear convection covers
[06] Pre-positioning plate

[07] Optional external air intake kit:
nozzle + Ø 63 mm flexible hoze (3 m)
[08] Optional ventilation kit

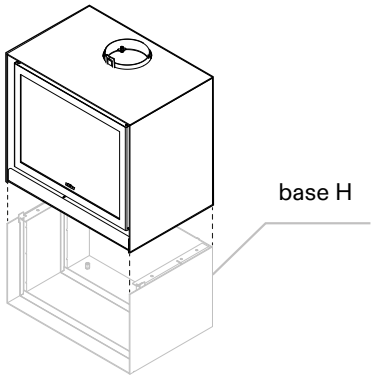
[09] Feet x4
[10] Register control command
[11] Protection panel mounting plate
[12] Graduated tablet
[13] Protection panel
[14] Door
[15] Cast iron component
[16] Vermiculite



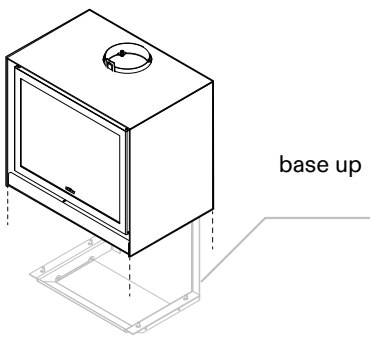
3.2.2. Additionnal optional kits



The Stûv 16-cube bases can be ordered as an option. Please refer to the installation manual included with the product before proceeding with the fireplace assembly.



The Stûv 16-H bases can be ordered as an option. Please refer to the installation manual included with the product before proceeding with the fireplace assembly.



The Stûv 16-UP brackets can be ordered as an option. Please refer to the installation manual included with the product before proceeding with the fireplace assembly.

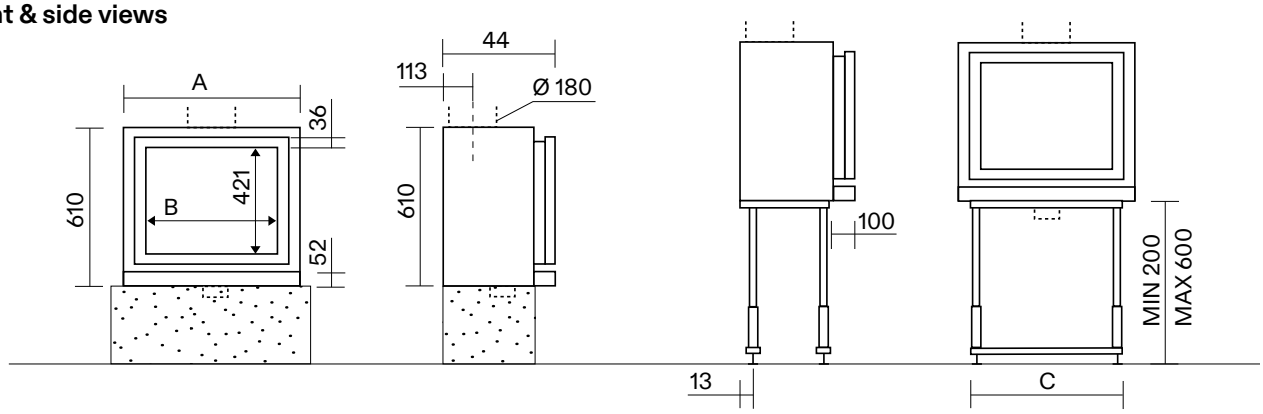
4. Useful dimensions

4.1. Stûv 16-in dimensions

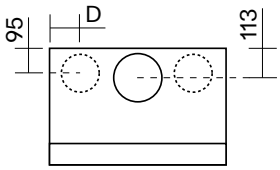
4.1.1. Stûv 16-in kit

Bottom view

Front & side views



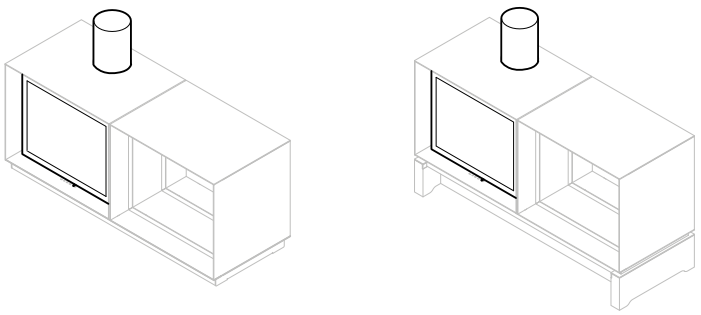
Top view



	A	B	C	D
Stûv 16-in 58	580 mm	448 mm	570 mm	105 mm
Stûv 16-in 68	680 mm	548 mm	670 mm	130 mm
Stûv 16-in 78	780 mm	648 mm	770 mm	130 mm

4.1.2. Additional optional kits

If you ordered any of the optionnal Stûv 16-in kits, please consult the new product dimensions in the notice provided in the cladding package.



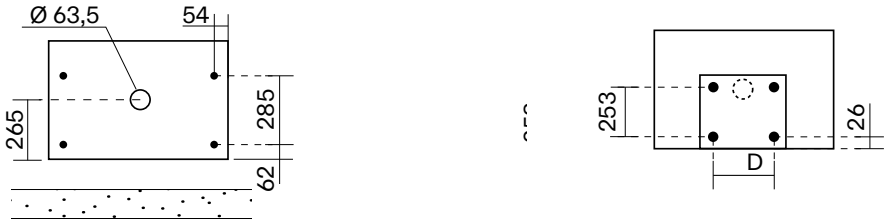
4.2. Stûv 16-cube dimensions

4.2.1. Stûv 16-cube kit

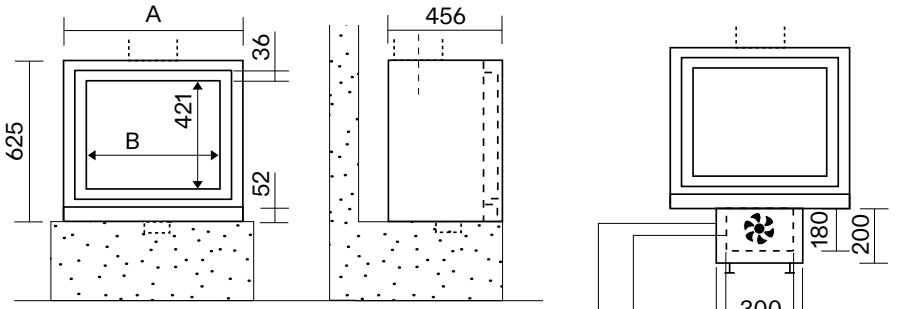
Stûv 16-cube without fan option **Stûv 16-cube with fan option**

External air intake

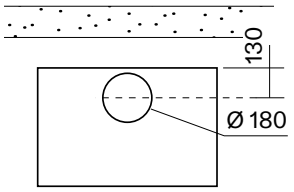
Bottom view



Front & side views



Top view



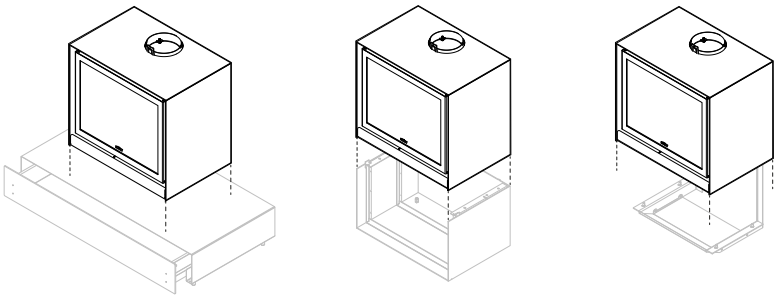
ventilateur

caisson de ventilation

	A	B	C	D
Stûv 16-in 58	580 mm	448 mm	340 mm	288 mm
Stûv 16-in 68	680 mm	548 mm	540 mm	512 mm
Stûv 16-in 78	780 mm	648 mm	540 mm	512 mm

4.2.2. Additional optional kits

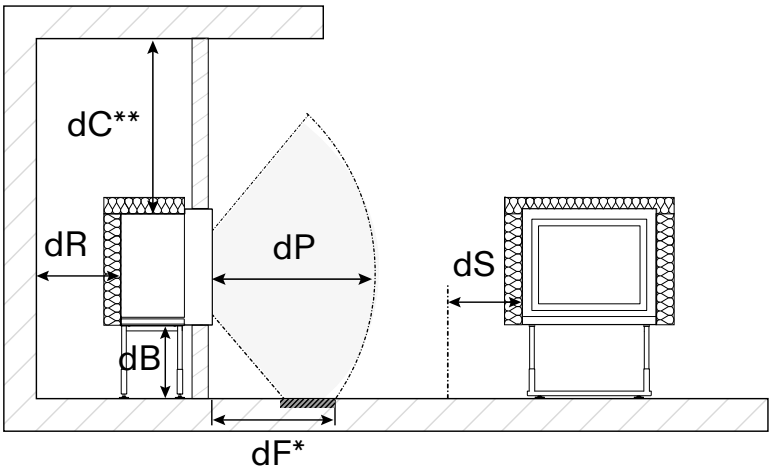
If you ordered any of the optionnal s16-cube kits, please consult the new product dimensions in the notice provided in the cladding package.

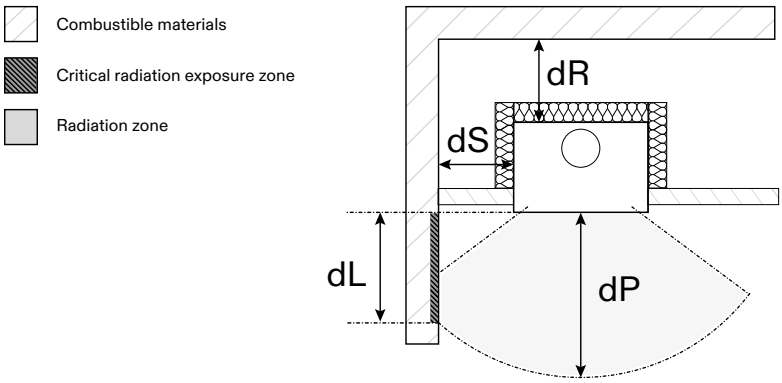


5. Safety distances to combustible materials (mm)

⚠ The specified safety distances for the **Stûv 16-in** are **valid ONLY for fully insulated flue ducts** with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. **For all other cases, refer to the applicable regulations.**

5.1. Safety distances & insulation for Stûv 16-in





Heat radiation and surroundings materials

The radiation from the glass and walls can be significant. It is imperative to maintain safety distances from combustible materials or ensure that materials exposed to this radiation are resistant to high temperatures.

⚠ Due to the effect of radiation, the floor temperature can reach up to 90°C*. Please take this into account when choosing your floor finish to ensure it is not altered. Also, avoid "heat traps" in the hood!

**If the stove is located in a bell-shaped environment (e.g., an old hearth), this space must be ventilated to avoid "heat traps." Leave a minimum clearance of 750mm above the appliance.

Distances for Stûv 16-in 58

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	60 mm	30 mm	30 mm
Sides	dS	50 mm	20 mm	30 mm
Ceiling	dC	750 mm	660 mm	90 mm
Bottom	dB	80 mm	80 mm	0mm
Distance to adjacent combustible (ex: furniture)	dP	1450 mm	1450 mm	-
Floor in front	dF	700 mm	700 mm	-
Side radiation area	dL	700 mm	700 mm	-

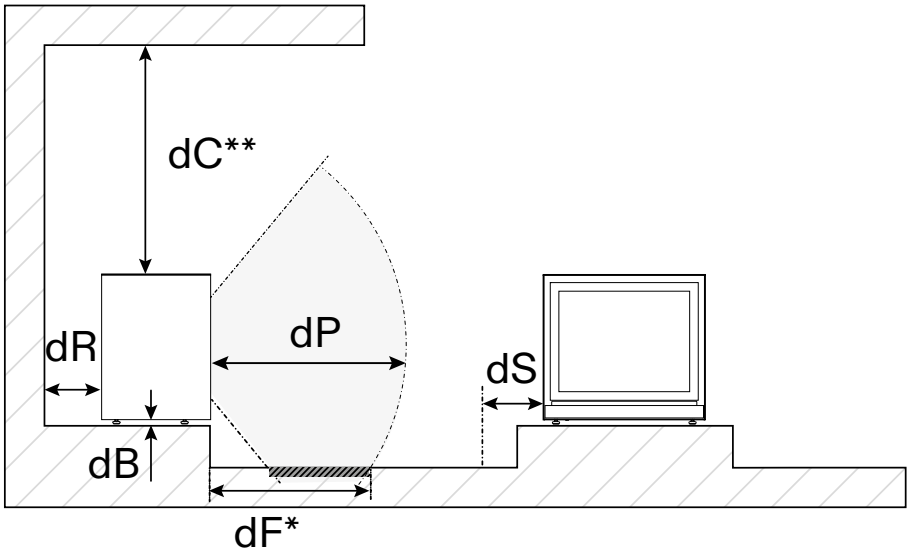
Distances for Stûv 16-in 68

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	80 mm	50 mm	30 mm
Sides	dS	50 mm	20 mm	30 mm
Ceiling	dC	750 mm	660 mm	90mm
Bottom	dB	80 mm	80 mm	0 mm
Distance to adjacent combustible (ex: furniture)	dP	1750 mm	1750 mm	-
Floor in front	dF	850 mm	850 mm	-
Side radiation area	dL	850 mm	850 mm	-

Distances for Stûv 16-in 78

Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)
Rear	dR	80 mm	50 mm	30 mm
Sides	dS	50 mm	20 mm	30 mm
Ceiling	dC	750 mm	660 mm	90mm
Bottom	dB	80 mm	80 mm	0 mm
Distance to adjacent combustible (ex: furniture)	dP	1750 mm	1750 mm	-
Floor in front	dF	850 mm	850 mm	-
Side radiation area	dL	850 mm	850 mm	-

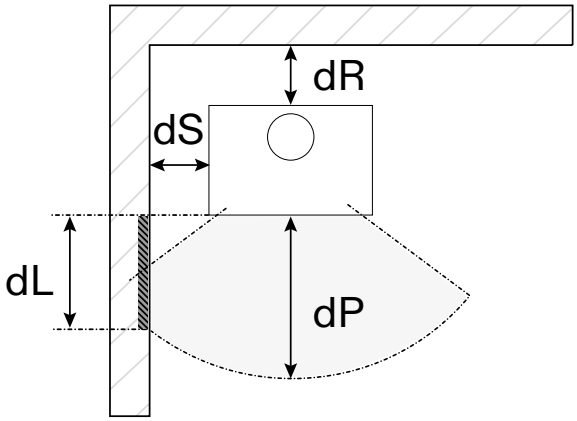
5.2. Safety distances & insulation for stûv 16-cube/D4/H/up



Matériaux combustibles

Zone critique d'exposition aux radiations

Zone de radiation



Heat radiation and surroundings materials

The radiation from the glass and walls can be significant. It is imperative to maintain safety distances from combustible materials or ensure that materials exposed to this radiation are resistant to high temperatures.

⚠ Due to the effect of radiation, the floor temperature can reach up to 90°C*. Please take this into account when choosing your floor finish to ensure it is not altered. Also, avoid "heat traps" in the hood!

**If the stove is located in a bell-shaped environment (e.g., an old hearth), this space must be ventilated to avoid "heat traps." Leave a minimum clearance of 750mm above the appliance.

⚠ NOTE:
The updated drawings of these safety distances adapted to the differents optional (-D4,-H & -up) kits can be found in their own package.

Distances for Stûv 16-cube/D4/h/up 58

Brandschutz		Gesamt abstand	Konvektion luft	Dammung (Wärmeleit-fähigkeit von 0.105 W/m.K at 400°C)
Rück	**dR**	100 mm	100 mm	-
Seiten	**dS**	150 mm	150 mm	-
Decke	**dC**	750 mm	750 mm	-
Unter	**dB**	10 mm	10 mm	-
Vorne (z.B Möbel)	**dP**	1400 mm	1400 mm	-
Fuß-boden vorne	**dF**	650 mm	650 mm	-
Seitenwand im stahlungsbereich	**dL**	650 mm	650 mm	-

Distances for Stûv 16-cube/D4/h/up 68

Brandschutz		Gesamt abstand	Konvektion luft	Dammung (Wärmeleit-fähigkeit von 0.105 W/m.K at 400°C)
Rück	**dR**	100 mm	100 mm	-
Seiten	**dS**	150 mm	150 mm	-
Decke	**dC**	750 mm	750 mm	-
Unter	**dB**	10 mm	10 mm	-
Vorne (z.B Möbel)	**dP**	1650 mm	1650 mm	-
Fuß-boden vorne	**dF**	650 mm	650 mm	-
Seitenwand im stahlungsbereich	**dL**	650 mm	650 mm	-

Distances for Stûv 16-cube/D4/h/up 78

Brandschutz		Gesamt abstand	Konvektion luft	Dammung (Wärmeleit-fähigkeit von 0.105 W/m.K at 400°C)
Rück	**dR**	100 mm	100 mm	-
Seiten	**dS**	150 mm	150 mm	-
Decke	**dC**	750 mm	750 mm	-
Unter	**dB**	10 mm	10 mm	-
Vorne (z.B Möbel)	**dP**	1650 mm	1650 mm	-
Fuß-boden vorne	**dF**	600 mm	600 mm	-
Seitenwand im stahlungsbereich	**dL**	600 mm	600 mm	-

6. How does your Stûv 16 work?

It heats !

When the stove is working (i.e. when the lighting stage is finished) the bed of embers will glow and the logs will produce large flames. The temperature in the combustion chamber **(a)** is very high and the heat dissipates in two ways :

- by radiation through the glass door,
- also by convection : the air circulates in the double wall **(b)** around the combustion chamber and heats up before dissipating around the room **(c)**.

Conserving heat

The flue **(d)** is full of hot gases that are much lighter than the air outside and therefore, they rise up, into the flue. The flue therefore literally sucks in the gases contained in the stove. However, it is important that the gases and the heat that they contain do not escape too rapidly.

Two mechanisms stop them :

- Firstly, the air needed for combustion cannot get into the stove unless the regulator lever is used **(e)** – this allows you to control the quantity needed to obtain the desired rate of combustion.
- The hot gases cannot enter directly into the flue : they have to pass through a system of deflector **(f)** which form a second bottleneck.

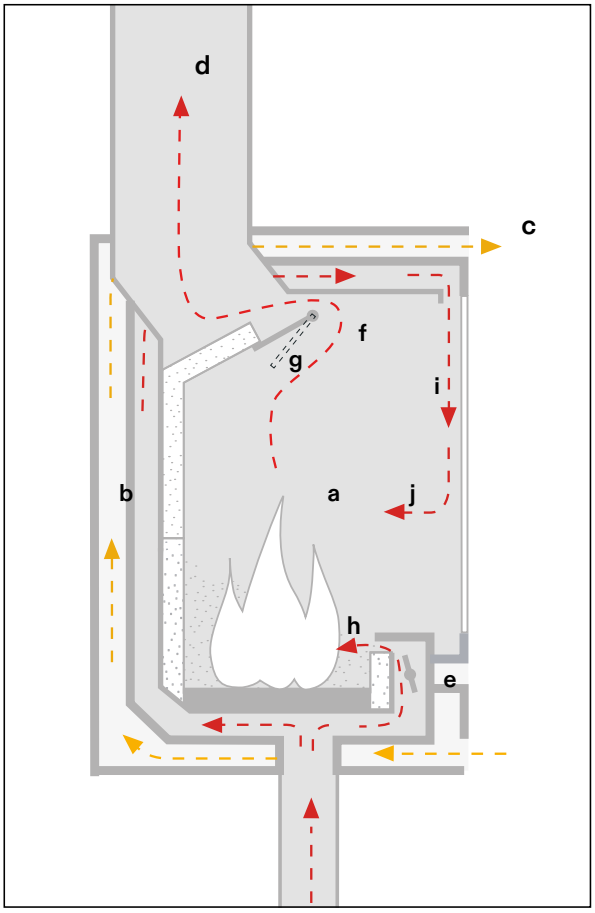
Owing to these bottlenecks, the heat increases in the stove which is one of the objectives aimed at. The higher the temperature is, more complete the combustion becomes.

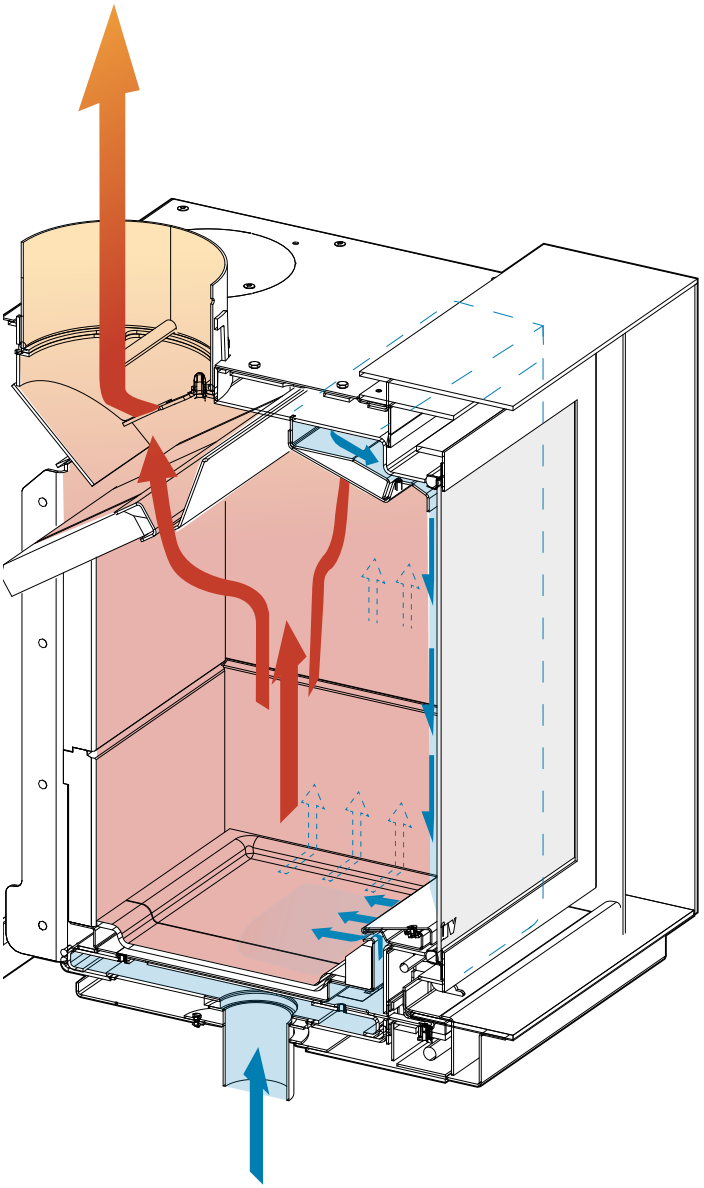
Exactly what's required where it's required!

The air required for combustion is strictly reduced to the amount necessary and, when the stove is in operation, it is distributed as follows :

- a small amount feeds the base of the flames **(h)**,
- a final quantity sweeps the window **(i)** to prevent smoke from condensing on it. This air is also used in "post-combustion" **(j)**.

Other than the regulator lever **(e)**, you determine the general rate of the stove by controlling the amount of exhaust fumes passing through the deflectors setting up the control valve in the right position **(g)**. This adjustment greatly helps in obtaining the right flue draft for your chimney.





7. Fuel

7.1. Choosing the ideal wood

Which wood should you choose ?

Different kind of wood have different heat capacities and do not burn in the same way.

Generally you should opt for hard wood such as oak, beech, ash, hornbeam or fruit trees. They produce lovely flames and a lot of embers which will glow for a long time.

Beech (photo 1), ash

Firewood to be recommended: they dry quickly and are readily available. They should be stored under shelter as soon as they have been cut and split otherwise they rot very quickly and lose their heat capacity. They are easy to ignite, provide dynamic fires and rather bright flames.

Oak (photo 2)

An excellent fuel but – contrary to other wood – must remain unsheltered for 2 years so that rain can wash away the tannins it contains. Then it should be stored under shelter for another two years or so before being suitable for burning. There is a significant proportion of sapwood (which burns too quickly) in small branches. Oak burns slowly, provides a quiet fireand gives nice embers. This is ideal for having a barbecue and a fire at a lower rate.

Hornbeam (photo 3), cherry wood (photo 4), fruit trees

Excellent fuels but scarce. These are hard woods providing nice flames, harmonious, quiet and give nice embers. This is ideal for having a barbecue or a less intense fire.

Birch (photo 5), lime, chestnut, poplar, robinia, acacia

These are broad-leaved trees producing soft wood. They provide nice but lively flames and few embers. Wood burns fast and will be used to light or rekindle the fire.

Warning : Poplar produces abundant and volatile embers. Robinia and acacia can cause important ember projections.

Conifers

They produce a lot of heat but burn quickly; they sputter embers and the resin they contain foul up the flue. They should be avoided.

Unsuitable

Stûv stoves are designed for domestic use, and should never be used for burning waste of any kind. Only burn wood logs ; do not burn coal, chipboard, varnished or chemically treated wood or any other fuel not recommended (no liquid fuels). The

heat produced by these materials is too intense and can damage your stove (including the glass door which can become cloudy) and cause it to soot up. They give off toxic and polluting emanations.

[1]

[2]

[3]

[4]

7.2. Drying

7.2.1. Operating procedure

Whatever the wood chosen it should be really dry. Damp wood heats a great deal less and a great part of the energy is used to evaporate the water it contains. The sapwood – as the soft wood just beneath the bark is called – can contain up to 75% of water. Furthermore, moist wood releases a lot of smoke and not many flames and it causes the fireplace, its window and the flue to get dirty and soot up. To avoid any energy loss and combustion at a lower rate, Stûv recommends burning wood of over 20% humidity.

Ideally, the wood should be at least 16% humidity [see chart below]. Big logs should be split for the wood to dry better. Wood should be covered or sheltered from the rain, but well ventilated.

Generally you should allow two years for the wood to dry properly. You will soon learn to estimate the dryness of logs by weighing them in your hand. The dryer they are the lighter they will feel, and they will produce a clearer sound when you knock two together.

Moisture tester

This little accessory (schema 6), available from your Stûv dealer, accurately tests the quality of the wood and its moisture content.

Before measuring the moisture content, split the log. Take the reading on the freshly split face of the wood. For electrode moisture meters, the electrodes must be pushed into the wood perpendicular to the grain of the wood.

[5]

[6]

7.2.2. The vicious circle of overly damp wood

If the log's moisture content is too high...

The table below gives the calorific value (CV) of a 1-kg log according to its moisture content.

Moisture content	CV
10%	16393
15%	15344
20%	14296
25%	13248
30%	12199
35%	11151

This table shows that by burning logs with a moisture content of 30% rather than logs with a moisture content of 10%, there is a 25% energy loss, in other words, the energy of one in four logs is lost!

some energy is wasted evaporating the water

less heat is given off

the fire does not burn as well

the temperature in the stove is not high enough

combustion is incomplete (some energy is wasted as smoke)

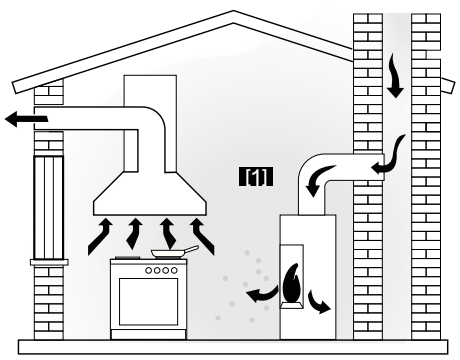
The flue and the various mechanisms become sooty

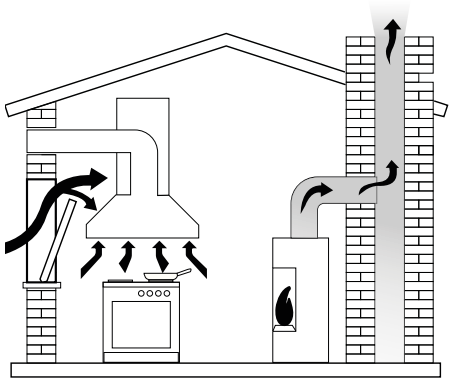
The vicious circle above illustrates the negative impact of a stove fuelled with wood that is too wet. By burning logs with a moisture content of 30% rather than logs with a moisture content of 10%, 25% of the log's energy is lost and an additional 25% is lost due to the poor operation of the stove.

8. Air inlet

⚠ **Important!** This stove must be installed in accordance with good practice and local and national regulations. Some authorities impose or restrict conditions of use depending on the fuel used. Please take this into account. A qualified professional must have ensured that the characteristics of the flue and the environment are suitable for the stove installed. Read these instructions carefully and follow the maintenance recommendations. Complete and return the warranty certificate (at the end of this document) to us.

⚠ **BEWARE OF OTHER APPLIANCES!** The presence of other appliances that consume air in the same room (extractor fan, cooker hood, air conditioning, etc.) can significantly disrupt the operation of your stove. If the air supply to the fireplace is insufficient, a vacuum is created (diagram 1) and the combustion in your fireplace is disrupted, creating a risk of backdraft. Toxic combustion gases can then be drawn from the chimney or other exhaust ducts into the living areas. **If you think your installation poses this type of risk, it is essential that you consult a professional, who will help you to provide additional air inlets suitable for the total consumption of all your appliances.**





⚠ **Your Stûv stove requires air to function properly.** Ideally, your installer will have connected your stove directly to the outside for air supply (ducted outside air intake). In this case, if your installation has an air inlet valve, make sure to open it before lighting the stove.
Si votre poêle n'est par contre pas raccordé directement à l'extérieur, vous devez prévoir

Sufficient air intake near the fireplace: a minimum diameter of 63 mm or a minimum surface area of 32 cm^2. This air intake must comply with local and national regulations. Always keep this air intake free of any obstructions.

Use

1. Installation safety

1.1. Compliance with local and national regulations

The installation of the stove, accessories and surrounding materials must comply with all regulations (local and national) and standards (national and European).

You are required to take into account national or local regulations imposed by the authorities concerning:

- any restrictions on the type of fuel permitted
- the possible requirement to install an access hatch at the connection between the stove and the flue

National or local guidelines naturally take precedence over Stûv recommendations if they are more restrictive.

The fireplace must be installed in such a way as to facilitate access for cleaning the stove, the connection pipe and the flue.

⚠ Any modification to the appliance may create a hazard and will invalidate the warranty! **Only use Stûv spare parts for repairs.**

1.2. Stûv recommandations

Read this user guide carefully and follow the maintenance recommendations. Complete and return the warranty certificate at the end of the document. This will enable you to benefit from the extended warranty.

⚠ **We strongly recommend that you have your Stûv installed by a qualified professional who can check that the characteristics of the flue pipe are compatible with the fireplace installed.**

2. Safety of use

2.1. basic instructions

⚠ **REMINDER: Some parts of the stove, the glass door and the outer walls may become very hot even during normal use (nominal output) and significant heat may be radiated through the glass door** (nominal output) and significant heat may be radiated through the glass door.
To avoid damage or fire, remove all heat-sensitive objects from the radiation zone when the stove is in use. Ensure that safety distances listed on page 18 are strictly observed.

⚠ **Be particularly careful when leaving the room. A floor protection plate is required if the floor in front of the fireplace is made of combustible material! If a removable floor protection is provided, it must be in place whenever the stove is in use.**

⚠ In order to prevent any damage or risk of fire, when the stove is in use, remove all heat-sensitive objects from the radiation area [diagram 1]. Take particular care when you leave the room.

Do not leave young children without supervision in the room where the stove is installed.

⚠ Always keep the air inlets and outlets clear!

2.2. In the event of a chimney fire

When installed correctly, chimney fires can be prevented mainly by following these steps:

- Regular chimney sweeping (at least once a year, or twice depending on local regulations)
- Use properly dried wood (no other fuel!)
- lgood heating practices (avoid low-temperature combustion, do not exceed the power range tolerated by your appliance in terms of wood load).

If, despite your vigilance, a chimney fire breaks out, proceed as follows:

1. **Do not open the stove door during the initial period!**
2. Close the air valve completely using the cool handle.
3. Call the fire brigade.
4. If the fire has not gone out after a few minutes, use a dry powder, soda or sand extinguisher (**never use water!**)..
5. After a chimney fire, ventilate the room where the stove is located.
6. Have the chimney cleaned and inspected by a professional.
7. Have repairs carried out if necessary.

3. Basic usage

The stoves in the Stûv 16 range are only designed for use exclusively with the door closed.

Opening the door:
Use the cold grip to take hold of the lug on the top part of the door [photo 1]. Turn a quarter turn to unlock the door.

Access the valve control:
Tilt the flap (photo 2) : the valve control and the settings will appear [photo 3).

Optionnal fan:
If your stove is fitted with a fan, it can also be equipped with a thermal switch. This device prevents the operation of the fan if the stove is not hot enough to avoid unpleasant cold air currents. It is therefore normal for the fan not to start immediately upon lighting and that it stops when the fire goes out.

4. Initial caution

Before lighting the first fire in your new stove, ensure no items used in installation (spray paint, tube of grease, tools) have been left in the combustion chamber or in the bends.

The paint is not oven-baked ; it is thus relatively fragile but will harden when heated for the first few times. Consequently, take care when handling the appliance.

When lighting the fire for the first few times, some smoke or unpleasant odours may be released from the paint, the steel's protective oil or the drying of the bricks. We recommend that you keep your first fire burning strongly for several hours with the windows open. The paint will harden and the odours will disappear.

The paint of some components inside the combustion chamber will be replaced by a layer of carbon.

5. Lighting the fire

5.1. Before lighting

After a period of inactivity, check that there are no obstructions in the system, its ducts or the air inlets and outlets or any mechanical blockages.

If an valve has been installed, open this outside air inlet.

5.2. Objectives

Perfect ignition aims to start the fire rather briskly in order to effectively warm the flue. When you start the fire, your chimney flue contains a column of cold air, which is denser and heavier than smoke. If the fire does not start vigorously enough, the smoke will not get past this bottleneck and the stove will produce a draught-back. A fire started with a generous amount of kindling will generate enough heat right from the start. If the fire does not start vigorously enough, the smoke will not be able to lift the cap and the fire will go out. So be generous with the kindling!

5.3. Preparation

Practice the upside-down fire!

To light the stove, Stûv recommends the upside-down fire technique, which is more environmentally friendly and subsequently results in better combustion.

This technique involves placing a bed of logs in the bottom of the stove and lighting the fire on top of them.

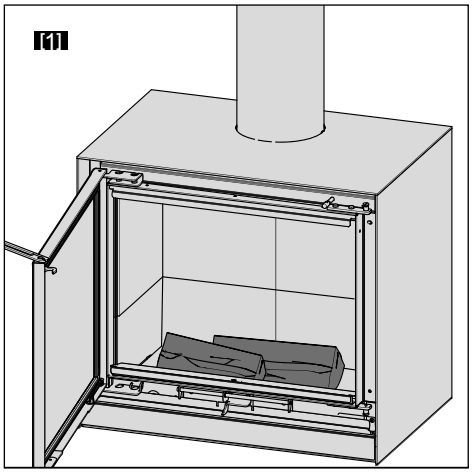
The benefits:

- By placing the logs underneath, you will considerably reduce the amount of smoke generated on lighting the fire, while gradually increasing the temperature.
- Once the logs underneath have caught fire, the gases they release must pass through the flames. These gases rise in temperature and are almost entirely burnt off. The result is less CO and less particulates!
- Using this method, you no longer need to wait for the kindling to be blazing before adding the logs and there is no longer any risk of these collapsing during combustion.
- What's more, you improve the stove's efficiency with more complete combustion.

En pratique

1. Place a few logs with a maximum diameter of 10 cm on the hearth (the bottom) of the fireplace (figure 1).
2. Then arrange a second layer of bark-free logs perpendicular to the first layer (photo 2).
3. Then cover these logs with small pieces of kindling (about 1 kg) (figures 3 and 4).
4. Place an eco-friendly firelighter in the kindling (diagram 5).
5. Open the air damper fully (diagram 6).

[1]



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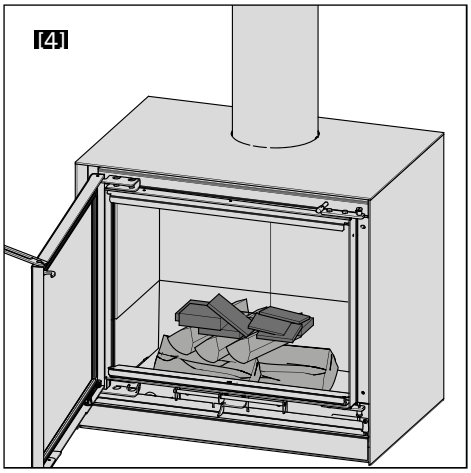

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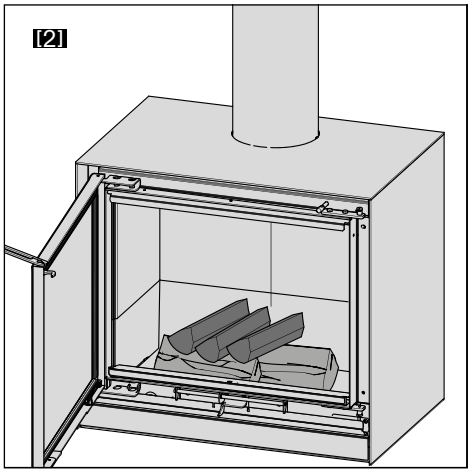

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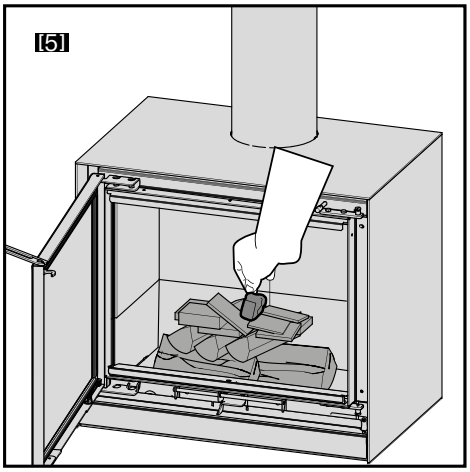

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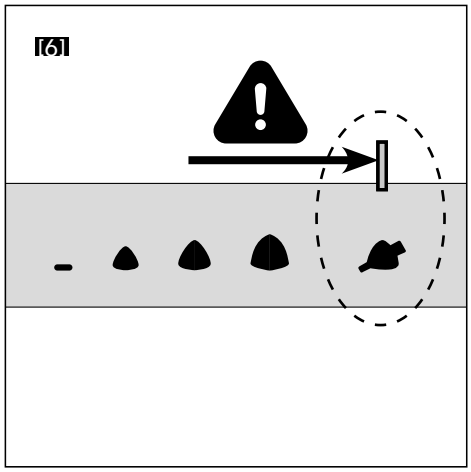


5.4. Lighting the fire

Light up the stove:
Leave the door open slightly for 10 to 20 minutes to encourage the draw of air until the fire has taken and then close the door.

Leaving the door open slightly allows the fire to be fed directly with air without going through the normal circuit (valve).

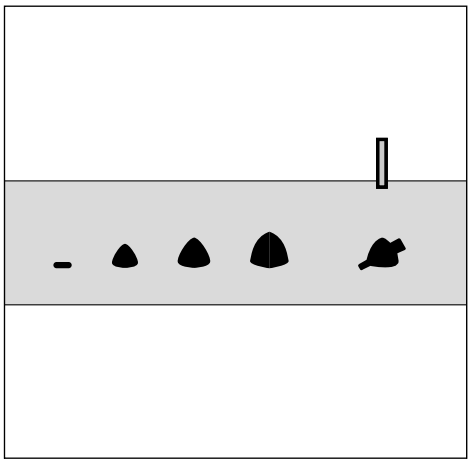
The start phase is complete when the combustion chamber is “clean” (light colour). You can then choose another mode of operation if you wish.

Start the fan if your stove is fitted with one.

Note:
In certain atmospheric conditions (if the temperature outside is higher than inside), the operation of the flue can be hindered.
Therefore use more firelighters and kindling wood to heat up the flue and to re-establish the draught.

Combustion is not optimal below a certain rate, the waste is greater, the glass door gets dirty quickly and in some cases there is a risk of the fire going out.

If your stove is fitted with a fan and an electricity failure occurs, reduce the rate by turning the regulator lever to “slow fire down” to avoid overheating.



6. Maintaining the fire

Two factors determine the intensity of the fire:

- the amount of wood burned (load)
- the amount of air intake for combustion

How to estimate the amount of wood to place in the chamber? (diagram 1)
To estimate the ideal amount of wood to place in your combustion chamber, refer to the consumption table in kg/hour on page 12.

The size of the logs also affects combustion. Small logs will burn faster than large logs of the same weight because the surface area of the wood exposed to the flame is greater.

After reloading, it is advisable to open the damper for a few minutes using the cool handle. Note: to avoid overheating, never exceed the maximum hourly consumption. The loading/reloading of logs must never exceed the upper limit of the first row of vermiculite at the bottom of the combustion chamber (diagram 8). Always use dry wood. This will keep the glass door clean. There is no point in burning wood with a moisture content of more than 16%! Avoid pressing logs against the glass door, as this will leave marks.

When and how should the stove be reloaded?
The best time to reload is when the logs are only producing small flames resting on a bed of embers.

Before reloading, open the door a few centimetres for a few seconds to allow the smoke to dissipate before opening it completely.
In order for the new logs to ignite, they must be heated to their ignition temperature. It is the heat from the bed of embers that heats the new load. If you reload too late, the bed of embers will not be able to heat a full load quickly enough. In this case, you will need to use a partial load. A large load on a dying bed of embers will result in:

- soiling of the glass door, stove and flue
- increased pollution from emissions

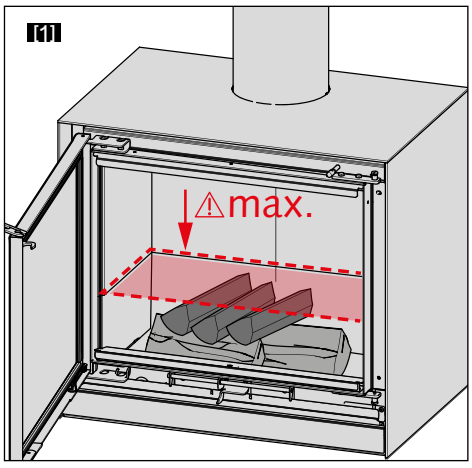
How do I control the amount of air intake? (diagram 2)

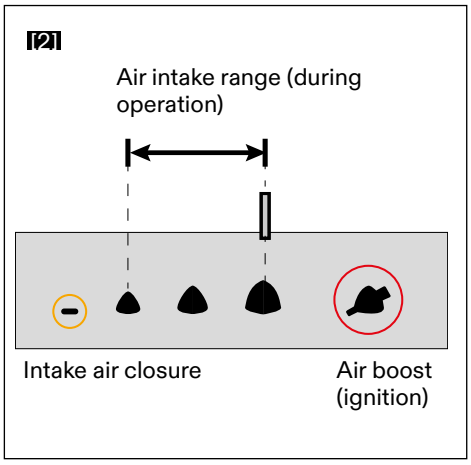
The amount of intake air is controlled by the control lever on your Stûv 16 (see diagram below).

⚠ The boost mode on the control should never be used outside the ignition phase (10 to 20 minutes after loading/reloading) as this could cause your appliance to overheat, damaging its components and affecting its operation.

For optimal use of your fireplace:

Over time, you will find the ideal setting based on the characteristics of the flue, the room to be heated and your personal preferences.



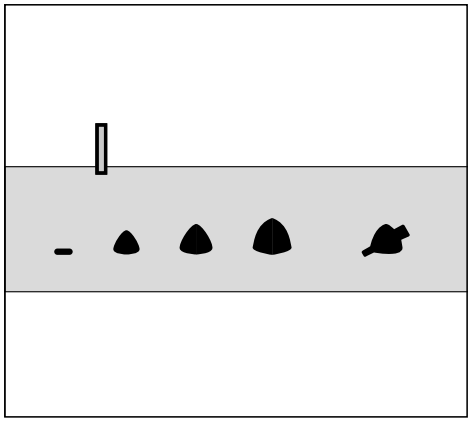


7. Putting out the fire

Do not put any more fuel onto the fire. Reduce the air intake (see diagram).

Check that the stove is properly closed.Let the fire die down.

When the fire is out, close the outside air inlet. This will prevent your house from becoming cold.



8. Between two fires

Between two fires, closing the outside air inlet and the air intake, it will avoide to cool your house.

In the off-season or for a long period of inactivity, leave the door open to ventilate the interior of your stove and prevent oxidation.

Maintenance

1. Regular maintenance

⚠ **Be careful !** Wait until the stove has cooled down completely before carrying out maintenance.

1.1. Maintenance of the metal components

Use a dry cloth for cleaning.

Please note. Clean with a dry rag. A paint spray supplied with the stove means you can retouch the paintwork if necessary. When you do this, start on a test surface to avoid spraying solvent on the old paintwork. The surface to be repainted must be smooth, clean, dry and free from grease. Please also read the instructions on the paint spray.

1.2. Cleaning the glass

The use of oven cleaning products will cause rapid destruction of the seals. Use cleaning products intended for ordinary glass to clean the inside of the glass door.

Dry the pane thoroughly as smoke settles on greasy residue. **Note: Do not use oven cleaners as they will quickly destroy the seals.** Stûv supplies a product suitable for cleaning very dirty stoves (Is your wood dry enough ?). Ask your distributor for advice.

If the glass door is very dirty it can easily be taken off for cleaning :

- Undo the catch (photo 1)
- lift the door to take it off its hinges (photo 2)

Replace the door on its hinges. Fasten the spring onto the catch on the stove to close the door again. [photo 3].

1.3. Cleaning the combustion chamber

⚠ **Wait until the ashes have cooled completely before proceeding!!!**

Leave a bed of ashes at the bottom of the stove as this encourages combustion and still contains some fuel.

Ashes must be removed when there is a risk of obstructing the fire's supply of fresh air.

1.4. Basic maintenance of the chimney flue

Stûv recommends using a soot-removing product approximately every 15 uses. Refer to the product instructions for use. ⚠
Use a product that is compatible with your type of chimney flue. Please refer to the instructions for use of the product. Please do not hesitate to ask your retailer for advice.

2. Annual maintenance

⚠ Wait until the stove has cooled down completely before carrying out maintenance. Do not forget to have your chimney swept once a year (see the following section).

2.1. Cleaning of the regulator lever command compartment

Tilt the flap (photo 1).
Remove the plate (photo 2),
Open the door, clean, and put the graduated tablet back into place. It must be centred in relation to the valve (photo 2).

Put the back edge of the tablet under the valve cover (photo + diagram 3-a).

The front edge of the tablet is inserted between the front part of the flap (photo 3-b) and the 2 lateral screws (photo 3-c).

Close the flap.

[1]

[2]

2.2. Check the condition of the seals

Check by taking a look.

Even if they appear to be in good condition, the seals may be loose and no longer ensure smoke-proofing; to check, wedge a piece of paper several cm in width into the door (photo 4); it should remain jammed in the door. Repeat this along the length of the door.

If the paper does not remain jammed, replace the seal.

[3]

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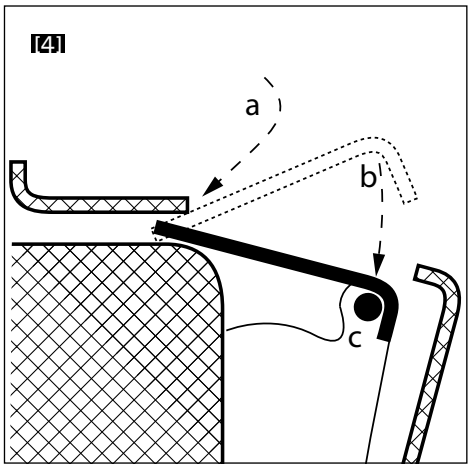

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2.3. Maintenance of the fan

If your stove is fitted with a fan, this has to be cleaned each year before use for heating.

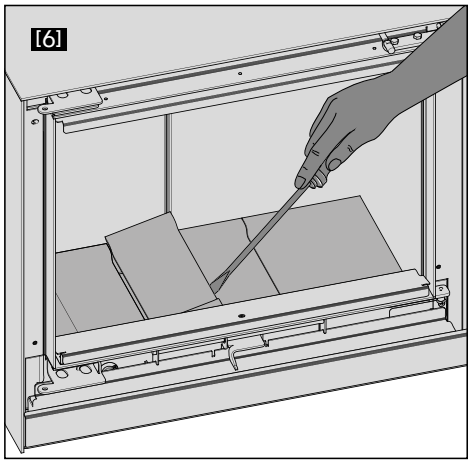
⚠ Firstly, **disconnect the power supply**. Note the position of each part you remove so that you can reassemble it correctly. Remove the door (see previous page). Remove the cast iron parts from the base of the stove (fig. 6 and 7).

Remove the refractory parts at valve control level (fig. 8).

Unscrew the 8 screws in the upper plate (fig. 9). Do not lose the little spacers!

Press on point 1 to lift and easily remove the upper plate (fig. 10 and 11).

[6]



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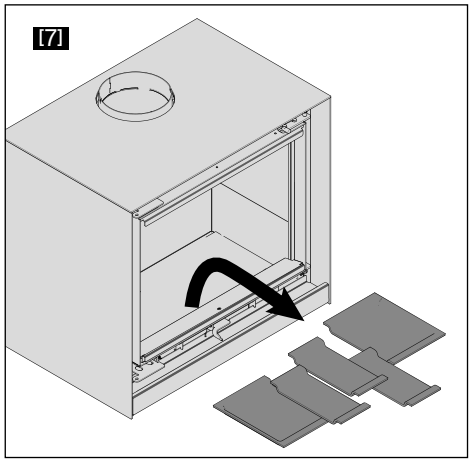

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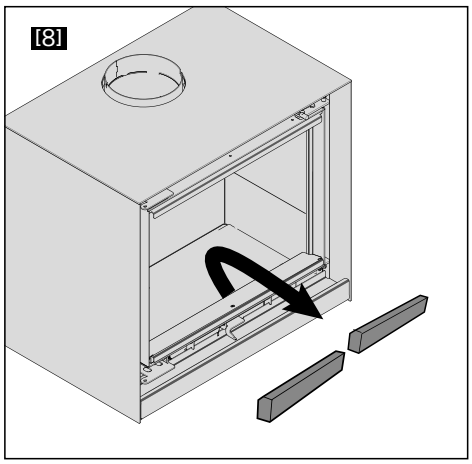

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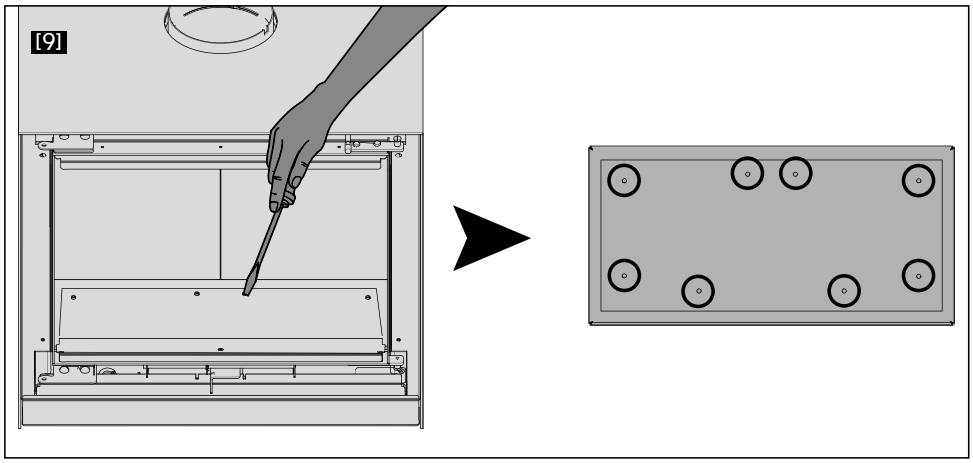

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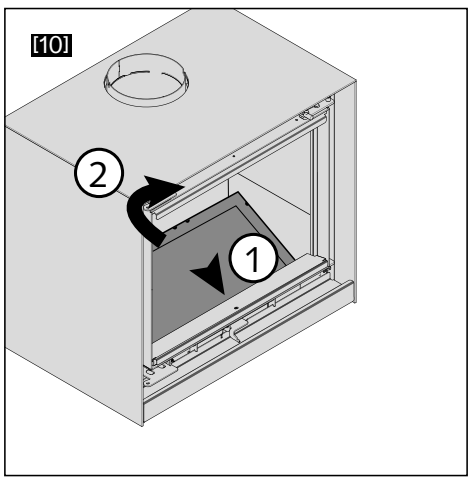

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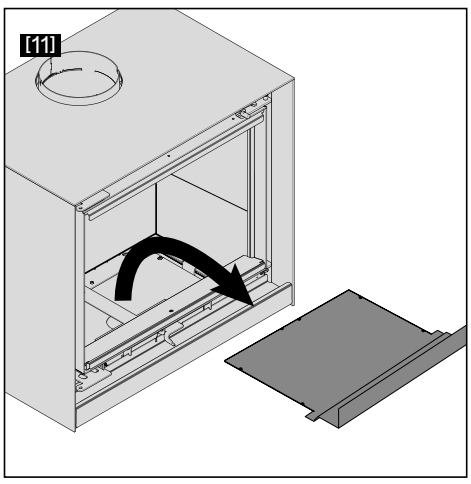


Remove the T guide (fig. 12).

Unscrew the middle plate and remove it (fig. 13 and 14).

Unscrew the back plates and remove them (fig. 15, 16 and 17). Please note that an electronic circuit is attached to the front plate!

Slide the fan to remove it from the stove (fig. 18).

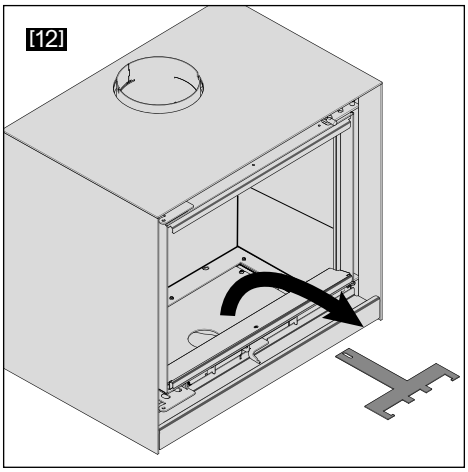
After cleaning the fan, re-assemble all parts in reverse order.

Please note

Immobilize the opening of the air inlet duct between the 2 back plates if your stove is directly connected to outside air (photo 19-a).

to protect the electrical cable with its cable guide where it passes between the two lower plates. (photo 19-b).

[12]



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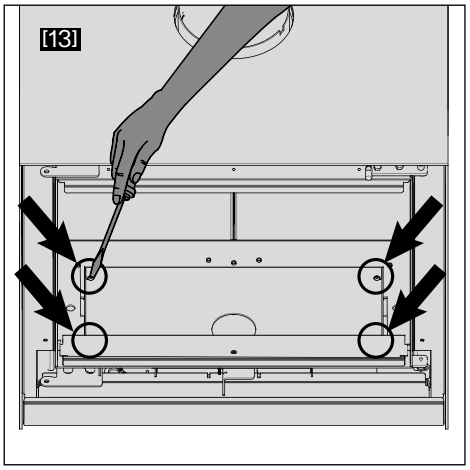

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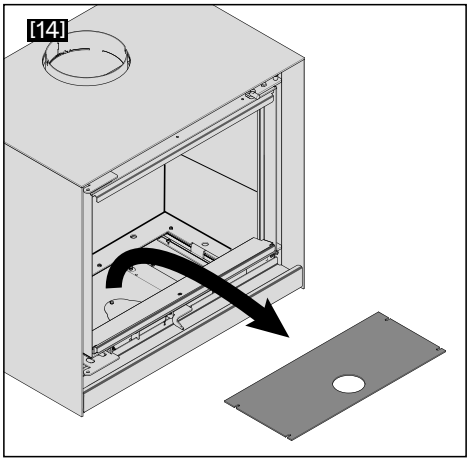

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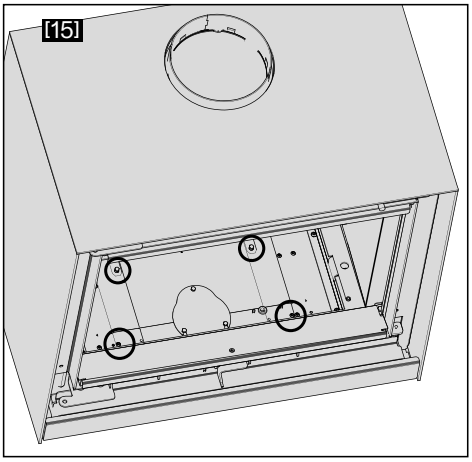

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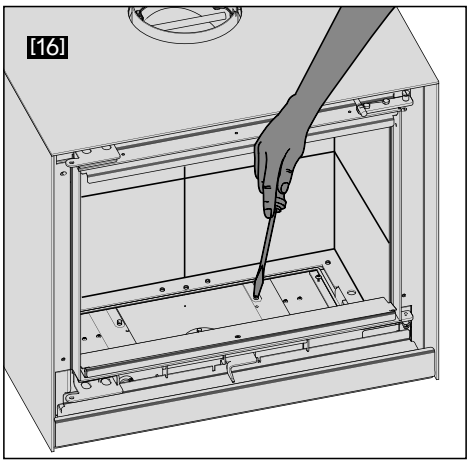

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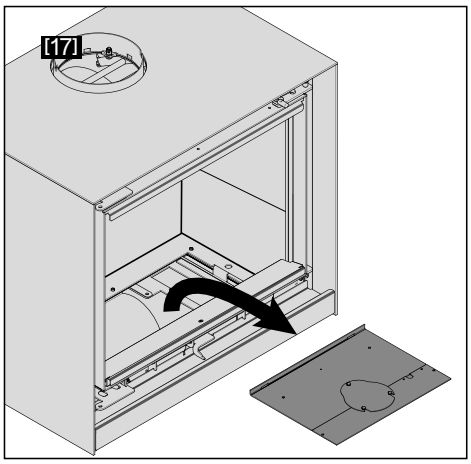

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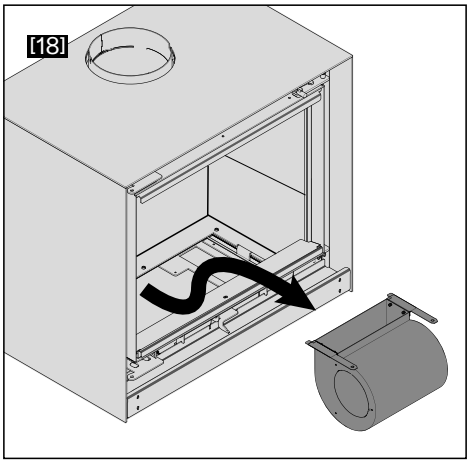

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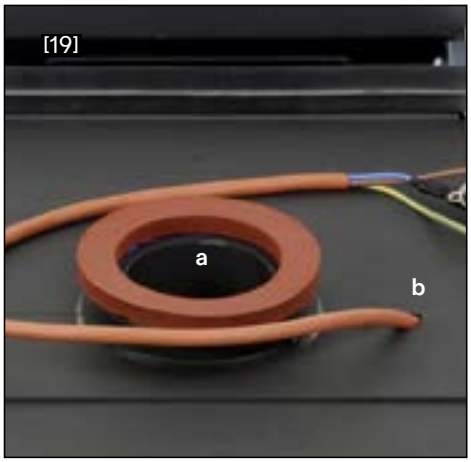


3. Chimney sweeping

Do the sweeping at least once a year in accordance with local and national regulations in force.

Pass on this information to the chimney sweep.

Before carrying out the actual sweeping, Stûv recommends the use of a dose of a fulgent (see “Quick maintenance of the flue” item in the previous section).

Consult the instructions on the product for use. Use a product suitable for the type of chimney flue.

Dismantling the smoke deflectors

Whatever method is used to sweep the chimney, the smoke deflector elements (diagrams 1 & 2) (the fixed vermiculite deflector [a] and the metal articulated deflector [b]) must be disassembled.

The articulated deflector opens when the door is open (diagram 2); and is closed when the door itself closes [diagram 1].

Removal of the articulated deflector

Lift the small rod to slide it out of its buttonholes (pics 3 & 4), push the articulated deflector to free the head of the rod and remove said rod.

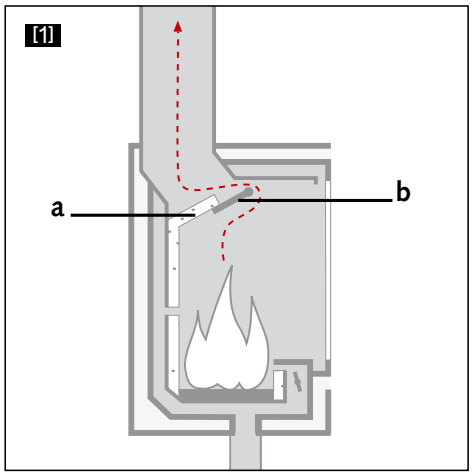
Tilt the deflector to the front (diagram 5) then push it to the back to free it from its pivots (diagram 6).

Removal of the fixed deflector

Remove the nose of the fixed deflector while holding the vermiculite elements (pic. 7).

Carry out the chimney sweeping in accordance with the regulations in your country.

[1]



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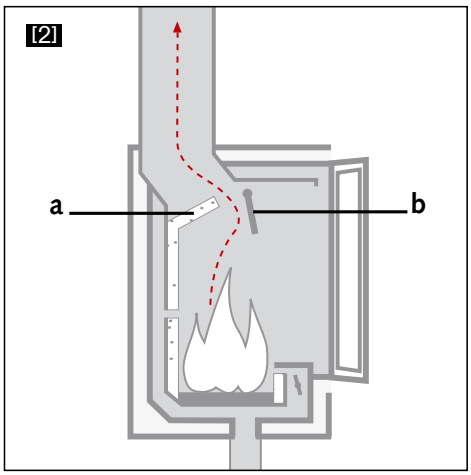

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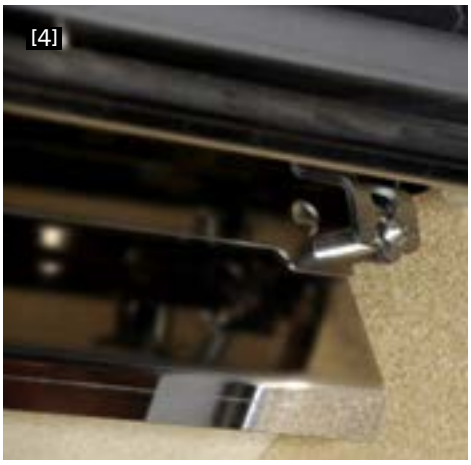

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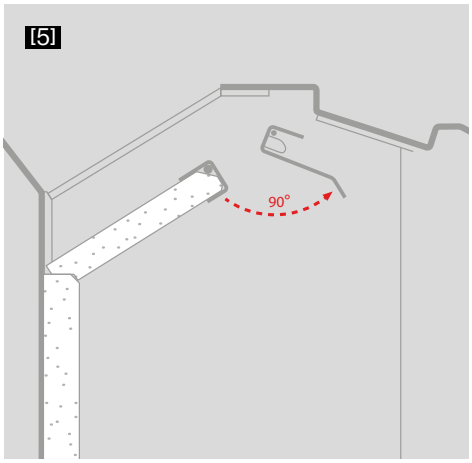

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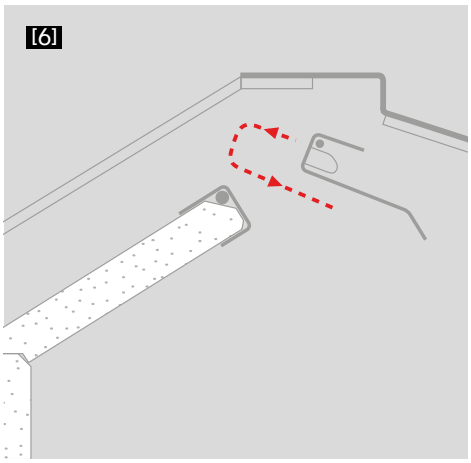


[7]

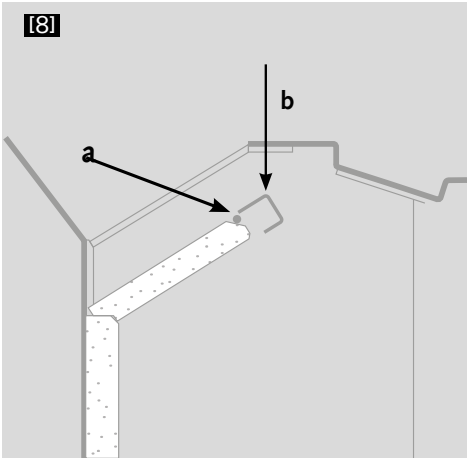
Reassembling the deflectors

Reposition the vermiculite panels of the fixed deflector following diagram 1; they should abut on either side under the metal lug (diagram 1 a) and (pic. 2); join them with the metal nose and check that the longest wing is above (diagram 1 b) and (pic. 3 b).

Slide the articulated deflector between its pivot and the nose of the fixed deflector then hang [diagram 4 d]and (pic. 5).

Refit the rod (pic. 6), with its chamfered side towards the front of the stove. Slide both sides into the buttonholes; make sure it works properly: the articulated deflector should close as the door is being shut.

[8]



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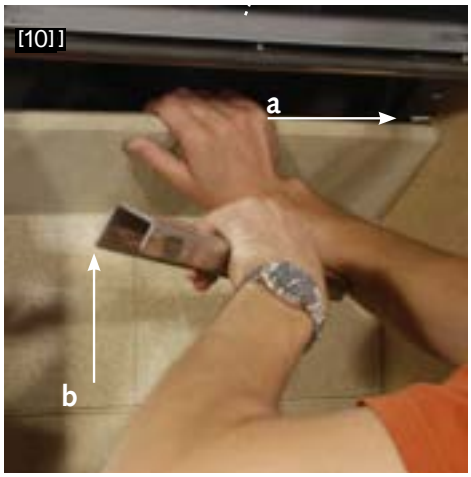

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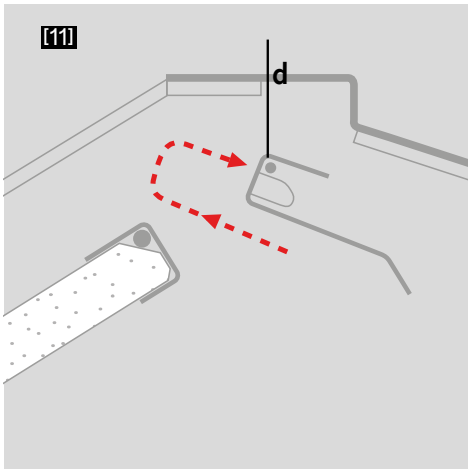

[12]

[13]

4. In case of problems

Cracked or broken glass door, worn seals, fault with the lining of the combustion chamber,...

Contact your installation engineer and give him your serial number!

Serial number

The model and the serial number of your stove are indicated on an information plate attached to the body of the stove.

5. Annual maintenance

Date	Cleaning of the valve control	Checking of the seals	Maintenance of the fan	Chimney-sweeping	Engineer	Notes
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	☐	☐	☐	☐		

Extension of Stûv guarantee

A simple procedure, more peace of mind.

This stove has been designed to give you maximum comfort, output and safety. Every care has been taken during the manufacturing process, using quality materials and components so that you can enjoy it for many years to come.

If, despite our best efforts, a fault should occur, we undertake to resolve it.

If you complete the guarantee form within 30 days, Stûv will offer you an extension to the statutory warranty.

Stûv extended warranty

Stûv's extended warranty affects any user of a Stûv appliance (end purchaser). It takes effect on the date of the original sales invoice from the seller to the buyer for new stoves (which have not been subject to being exhibited or used). For second-hand stoves, it will run from the date of the original Stûv sales invoice to the seller.

Duration of the guarantee

The statutory warranty on the components covered is 2 years.

The extended warranty period is:

3 years on the body of the stove

2 years on the electrical and electronic components (fan, thermostat, switch, wiring, etc.)

3 years on other components (base grate, door mechanism, hinges, pulleys, runners, clasps,...)

Only the sales invoice issued by the retailer to the end buyer is valid as proof of warranty.

The right to benefit from extension of the guarantee is subject to adherence to the applicable conditions and the accuracy of the information provided to Stûv.

Stûv stoves are guaranteed against:

- manufacturing faults
- faults with the paintwork on the visible external parts of the stove

The statutory warranty and extended warranty do not cover:

- the components subject to wear and tear (e.g. ash removal grille, vermiculite, seals, flame modeller, control key) which have to be replaced from time to time in normal usage,
- the glass
- damage caused to the stove or operational faults due to:
- installation which does not comply with good practice guidelines and the installation instructions and with national and regional regulations in force:

  - abnormal usage which does not comply with the directions for use instructions:
  - a lack of maintenance,
  - external factors, such as flooding, lightning, fire...
  - local conditions such as draught problems or faults caused by defective ducts

- damage caused by:

  > faulty installation

  > overheating

  > the use of inappropriate fuel

The guarantee is restricted to the exchange of components recognized as defective excluding replacement, compensation and interest costs. The replacement components supplied under the guarantee are guaranteed for the remainder of the guarantee period.

Your responsibility

As a user, you also have an important role to play in ensuring you get the best out of your Stûv.

Extended warranty application conditions:

1. Have purchased the stove from one of our official resellers. A list of these is available on our website www.stuv.com

2. Complete the online form on stuv.com within 30 days of the date of the invoice for the balance. Only duly completed forms will be valid.

* Extension of the legal guarantee to 5/3/3 years subject to adherence to the applicable conditions (see box)

You will then receive your Stûv warranty certificate, by email, to the address indicated. Keep this document in a safe place. In the event of a problem with your stove, please contact your dealer. You should show them this certificate for the commercial warranty to be effective.

We strongly recommend:

- making sure that it is installed (or in any case checked before use) by a qualified professional who will be able to make sure that the features of the smoke duct are suitable for the stove, and who will make sure that the installation complies with national and regional requirements;
- read the user manual carefully and follow the instructions for maintenance;
- have the flue swept regularly to ensure optimal operation. We recommend sweeping at least once or twice a year and definitely before relighting the stove after a long period of inactivity either in general or just before the season when heat is required.

Please note
As a consumer, you have legal rights under national legislation in force governing the sale of consumer goods. Your rights are not affected by this commercial guarantee.

Complete your guarantee form directly online at www.stuv.com!

* The treatment of data provided is subject to legislation on the protection of privacy.

Ecodesign technical parameters for decentralised solid fuel heaters

according to commission (EU) 2015/1185 and 2015/1186 and Ecodesign regulations

Details of the device:

Model reference(s) :	STÛV 16 CUBE/D4/H/UP 58	Notified body / body number :	IMQ / 0051
Equivalent models :	STÛV 16 IN 58	Test report number :	CS25-0114847-01/02
Indirect heating functionality :	no	Applied harmonized standards :	EN 16510-2-1/2: 2022
Direct thermal power :	7 kW	Other applied standards / technical specifications :	-
Indirect thermal power :	0,0 kW		

Details of the reference fuel (only one) :

Fuel	Reference fuel (only one):	Other eligible fuel (s):	Seasonal space heating energy efficiency η_s [x %]:	Emissions from space heating at rated thermal output (*) :				Emissions from space heating at minimum heat output (*) (**) :			
				PM	OGC	CO	NO_x	PM	OGC	CO	NO_x
				[x] mg/Nm^3 (13 % O_2)				[x] mg/Nm^3 (13 % O_2)			
Wood logs with a moisture content ≤ 25%	yes	no	69,1	14,7	33	755	96	16,2	268	3569	94
Compressed wood with a moisture content of < 12%	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Any other fuel	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

(*) P = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides.
(**) Only required if correction factors F(2) or F(3) are applied

Characteristics when operating with the reference fuel (only one) :

Characteristics	Symbol	Value	Unit
Heating output			
Thermal output	P_{nom}	7,0	kW
Minimum thermal output (indicative)	P_{min}	3,4	kW
Auxiliary power consumption			
At nominal heat output	el_{max}	n.a.	kW
At minimum heat output	el_{min}	n.a.	kW
In standby mode	el_{SB}	n.a.	kW
Permanent pilot flame power requirement			
Pilot flame power requirement (if applicable)	P_{pilot}	n.a.	kW
Energy efficiency			
Energy efficiency index	-	105	-
Energy efficiency class	-	A	-

Characteristics	Symbol	Value	Unit
Useful efficiency (NCV as received)			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	79,1	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	75,4	%

Type of heat output/room temperature control (select only one)	
Single stage heat output control, no room temperature control	no
Two or more manual stages, no room temperature control	no
With mechanic thermostat room temperature control	no
With electronic room temperature control	no
With electronic room temperature control plus day timer	no
With electronic room temperature control plus week timer	no
Other control options (multiple selections possible)	
Room temperature control, with presence detection	no
Room temperature control, with open window detection	no
With distance control option	no

Special precautions for assembly, installation or maintenance :

Fire protection and safety distances, such as distances to combustible building materials, must be observed! An adequate supply of combustion air to the appliance must be guaranteed at all times. The flue gas values of the appliance must be observed when dimensioning the chimney!

Fabricant	STÛV SA
Contact	Thomas Duquesne Science & Technology Manager certifications@stuv.be
Address	Rue Jules Borbouse,4 5170 Bois-de-Villers Belgique

Gérard Pitance
Managing Director and Founder

Jean-François Sidler
Chief Executive Officer and Managing Director

Ecodesign technical parameters for decentralised solid fuel heaters

according to commission (EU) 2015/1185 and 2015/1186 and Ecodesign regulations

Details of the device:

Model reference(s) :	STÛV 16 CUBE/D4/H/UP 68	Notified body / body number :	IMQ / 0051
Equivalent models :	STÛV 16 IN 68	Test report number :	CS25-0114847-01/02
Indirect heating functionality :	no	Applied harmonized standards :	EN 16510-2-1/2: 2022
Direct thermal power :	7,4 kW	Other applied standards / technical specifications :	-
Indirect thermal power :	0,0 kW		

Details of the reference fuel (only one) :

Fuel	Reference fuel (only one):	Other eligible fuel (s):	Seasonal space heating energy efficiency η_s [x %]:	Emissions from space heating at rated thermal output (*) :				Emissions from space heating at minimum heat output (*) (**) :			
				PM	OGC	CO	NO_x	P	OGC	CO	NO_x
				[x] mg/Nm^3 (13 % O_2)				[x] mg/Nm^3 (13 % O_2)			
Wood logs with a moisture content ≤ 25%	yes	no	67	14,7	34	966	96	32,3	404	3974	94
Compressed wood with a moisture content of < 12%	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Any other fuel	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

(*) P = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides.
(**) Only required if correction factors F(2) or F(3) are applied

Characteristics when operating with the reference fuel (only one) :

Characteristics	Symbol	Value	Unit
Heating output			
Thermal output	P_{nom}	7,4	kW
Minimum thermal output (indicative)	P_{min}	3,5	kW
Auxiliary power consumption			
At nominal heat output	el_{max}	n.a.	kW
At minimum heat output	el_{min}	n.a.	kW
In standby mode	el_{SB}	n.a.	kW
Permanent pilot flame power requirement			
Pilot flame power requirement (if applicable)	P_{pilot}	n.a.	kW
Energy efficiency			
Energy efficiency index	-	102	-
Energy efficiency class	-	A	-

Characteristics	Symbol	Value	Unit
Useful efficiency (NCV as received)			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	77,0	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	75,4	%
Type of heat output/room temperature control (select only one)			
Single stage heat output control, no room temperature control			no
Two or more manual stages, no room temperature control			no
With mechanic thermostat room temperature control			no
With electronic room temperature control			no
With electronic room temperature control plus day timer			no
With electronic room temperature control plus week timer			no
Other control options (multiple selections possible)			
Room temperature control, with presence detection			no
Room temperature control, with open window detection			no
With distance control option			no

Special precautions for assembly, installation or maintenance :

Fire protection and safety distances, such as distances to combustible building materials, must be observed! An adequate supply of combustion air to the appliance must be guaranteed at all times. The flue gas values of the appliance must be observed when dimensioning the chimney!

Fabricant	STÛV SA
Contact	Thomas Duquesne Science & Technology Manager certifications@stuv.be
Address	Rue Jules Borbouse,4 5170 Bois-de-Villers Belgique

Gérard Pitance
Managing Director and Founder

Jean-François Sidler
Chief Executive Officer and Managing Director

Ecodesign technical parameters for decentralised solid fuel heaters

according to commission (EU) 2015/1185 and 2015/1186 and Ecodesign regulations

Details of the device:

Model reference(s) :	STÛV 16 CUBE/D4/H/UP 78	Notified body / body number :	IMQ / 0051
Equivalent models :	STÛV 16 IN 78	Test report number :	CS25-0114847-01/02
Indirect heating functionality :	no	Applied harmonized standards :	EN 16510-2-1/2: 2022
Direct thermal power :	7,8 kW	Other applied standards / technical specifications :	-
Indirect thermal power :	0,0 kW		

Details of the reference fuel (only one) :

Fuel	Reference fuel (only one):	Other eligible fuel (s):	Seasonal space heating energy efficiency η_s [x %]:	Emissions from space heating at rated thermal output (*) :				Emissions from space heating at minimum heat output (*) (**) :			
				PM	OGC	CO	NO_x	PM	OGC	CO	NO_x
				[x] mg/Nm^3 (13 % O_2)				[x] mg/Nm^3 (13 % O_2)			
Wood logs with a moisture content ≤ 25%	yes	no	67	14	34	966	82	32,3	404	3974	76
Compressed wood with a moisture content of < 12%	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Any other fuel	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

(*) P = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides.
(**) Only required if correction factors F(2) or F(3) are applied

Characteristics when operating with the reference fuel (only one) :

Characteristics	Symbol	Value	Unit
Heating output			
Thermal output	P_{nom}	7,8	kW
Minimum thermal output (indicative)	P_{min}	3,6	kW
Auxiliary power consumption			
At nominal heat output	el_{max}	n.a.	kW
At minimum heat output	el_{min}	n.a.	kW
In standby mode	el_{SB}	n.a.	kW
Permanent pilot flame power requirement			
Pilot flame power requirement (if applicable)	P_{pilot}	n.a.	kW
Energy efficiency			
Energy efficiency index	-	102	-
Energy efficiency class	-	A	-

Characteristics	Symbol	Value	Unit
Useful efficiency (NCV as received)			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	77,0	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	77,8	%

Type of heat output/room temperature control (select only one)	
Single stage heat output control, no room temperature control	no
Two or more manual stages, no room temperature control	no
With mechanic thermostat room temperature control	no
With electronic room temperature control	no
With electronic room temperature control plus day timer	no
With electronic room temperature control plus week timer	no
Other control options (multiple selections possible)	
Room temperature control, with presence detection	no
Room temperature control, with open window detection	no
With distance control option	no

Special precautions for assembly, installation or maintenance :

Fire protection and safety distances, such as distances to combustible building materials, must be observed! An adequate supply of combustion air to the appliance must be guaranteed at all times. The flue gas values of the appliance must be observed when dimensioning the chimney!

Fabricant	STÛV SA
Contact	Thomas Duquesne Science & Technology Manager certifications@stuv.be
Address	Rue Jules Borbouse,4 5170 Bois-de-Villers Belgique

Gérard Pitance
Managing Director and Founder

Jean-François Sidler
Chief Executive Officer and Managing Director

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 IN 58

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:

Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
Tel.: +32(0)81.43.47.96 - Fax: +32(0)81.43.48.74
info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-2:2022

Notified test laboratory:

0055 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-01
Document number: 25-1651022-01
System to assess and check the consistency of performance: 3

Hygiene, health and environment		
	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	755 mg/Nm³	3569 mg/Nm³
Nitrogen oxides emission (NOx)	96 mg/Nm³	94 mg/Nm³
Emission of organic gaseous carbon (OGC)	33 mg/Nm³	268 mg/Nm³
Particulate matter emissions (PM)	14,7 mg/Nm³	16,2 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	246°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	5,9 g/s	4,2 g/s
Energy economy and heat retention		
Space heat output	7,0 kW	3,4 kW
Water heat output	n.a.	n.a.
Efficiency	79,1%	75,4%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		69,1 %
Energy efficiency	Energy efficiency index (EEI)	105
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	60 mm	30 mm	30mm
Sides	dS=	50 mm	20 mm	30mm
Ceiling	dC=	750 mm	660 mm	90mm
Bottom	dB=	80 mm	80 mm	0 mm
Front (ex. furniture)	dP=	1450 mm	1450mm	-
Floor in front	dF=	700 mm	700mm	-
Side radiation area	dL=	700 mm	700mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Bois-de-Villers; May 28th, 2025

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 IN 68

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:

Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
Tel.: +32(0)81.43.47.96 - Fax: +32(0)81.43.48.74
info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-2:2022

Notified test laboratory:

0055 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-01
Document number: 25-1651022-02
System to assess and check the consistency of performance: 3

Hygiene, health and environment		
	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	966 mg/Nm³	3974 mg/Nm³
Nitrogen oxides emission (NOx)	96 mg/Nm³	94 mg/Nm³
Emission of organic gaseous carbon (OGC)	34 mg/Nm³	404 mg/Nm³
Particulate matter emissions (PM)	14,7 mg/Nm³	32,3 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	6,8 g/s	4,3 g/s
Energy economy and heat retention		
Space heat output	7,4 kW	3,5 kW
Water heat output	n.a.	n.a.
Efficiency	77,0%	75,4%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		67%
Energy efficiency	Energy efficiency index (EEI)	102
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	80 mm	50 mm	30 mm
Sides	dS=	50 mm	20 mm	30 mm
Ceiling	dC=	750 mm	660 mm	90 mm
Bottom	dB=	80 mm	80 mm	0 mm
Front (ex. furniture)	dP=	1750 mm	1750 mm	-
Floor in front	dF=	850 mm	850 mm	-
Side radiation area	dL=	850 mm	850 mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

Bois-de-Villers; May 28th, 2025

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 IN 78

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:

Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
Tel.: +32(0)81.43.47.96 - Fax: +32(0)81.43.48.74
info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-2:2022

Notified test laboratory:

0055 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-01
Document number: 25-1651022-03
System to assess and check the consistency of performance: 3

Hygiene, health and environment	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	966 mg/Nm³	3974 mg/Nm³
Nitrogen oxides emission (NOx)	82 mg/Nm³	76 mg/Nm³
Emission of organic gaseous carbon (OGC)	34 mg/Nm³	404 mg/Nm³
Particulate matter emissions (PM)	14 mg/Nm³	32,3 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	7,6 g/s	4,4 g/s
Energy economy and heat retention		
Space heat output	7,8 kW	3,6 kW
Water heat output	n.a.	n.a.
Efficiency	77,0%	77,8%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		67%
Energy efficiency	Energy efficiency index (EEI)	102
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	80 mm	50 mm	30 mm
Sides	dS=	50 mm	20 mm	30 mm
Ceiling	dC=	750 mm	660 mm	90 mm
Bottom	dB=	80 mm	80 mm	0 mm
Front (ex. furniture)	dP=	1750 mm	1750 mm	-
Floor in front	dF=	850 mm	850 mm	-
Side radiation area	dL=	850 mm	850 mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

Bois-de-Villers; May 28th, 2025

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 CUBE/D4/H/UP 58

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:

Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
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info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-1: 2022

Notified test laboratory:

0055 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-02
Document number: 25-1651021-01
System to assess and check the consistency of performance: 3

Hygiene, health and environment	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	755 mg/Nm³	3569 mg/Nm³
Nitrogen oxides emission (NOx)	96 mg/Nm³	94 mg/Nm³
Emission of organic gaseous carbon (OGC)	33 mg/Nm³	268 mg/Nm³
Particulate matter emissions (PM)	14,7 mg/Nm³	16,2 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	246°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	5,9 g/s	4,2 g/s
Energy economy and heat retention		
Space heat output	7,0 kW	3,4 kW
Water heat output	n.a.	n.a.
Efficiency	79,1%	75,4%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		69,1 %
Energy efficiency	Energy efficiency index (EEI)	105
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	100 mm	100 mm	-
Sides	dS=	150 mm	150 mm	-
Ceiling	dC=	750 mm	750 mm	-
Bottom	dB=	10 mm	10 mm	-
Front (ex. furniture)	dP=	1400 mm	1400 mm	-
Floor in front	dF=	650 mm	650 mm	-
Side radiation area	dL=	650 mm	650 mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

Bois-de-Villers; May 28th, 2025

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 CUBE/D4/H/UP 68

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:
Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
Tel.: +32(0)81.43.47.96 - Fax: +32(0)81.43.48.74
info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-1: 2022

Notified test laboratory:

0055 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-02
Document number: 25-1651021-03
System to assess and check the consistency of performance: 3

Hygiene, health and environment	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	966 mg/Nm³	3974 mg/Nm³
Nitrogen oxides emission (NOx)	96 mg/Nm³	94 mg/Nm³
Emission of organic gaseous carbon (OGC)	34 mg/Nm³	404 mg/Nm³
Particulate matter emissions (PM)	14,7 mg/Nm³	32,3 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	7 Pa
Flue gas mass flow	6,8 g/s	4,3 g/s
Energy economy and heat retention		
Space heat output	7,4 kW	3,5 kW
Water heat output	n.a.	n.a.
Efficiency	77,0%	75,4%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		67%
Energy efficiency	Energy efficiency index (EEI)	102
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	100 mm	100 mm	-
Sides	dS=	150 mm	150 mm	-
Ceiling	dC=	750 mm	750 mm	-
Bottom	dB=	10 mm	10 mm	-
Front (ex. furniture)	dP=	1650 mm	1650 mm	-
Floor in front	dF=	650 mm	650 mm	-
Side radiation area	dL=	650 mm	650 mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Bois-de-Villers; May 28th, 2025

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

Declaration of performance (EU305/2011)

Product and manufacturer informations:

STÛV 16 CUBE/D4/H/UP 78

Domestic heater using solid fuel without a hot water supply (wood logs only)

Manufactured by:

Stûv s.a
Rue Jules Borbouse, 4 B-5170 Bois-de-Villers
Tel.: +32(0)81.43.47.96 - Fax: +32(0)81.43.48.74
info@stuv.com www.stuv.com

European standards

CE

EN 16510-2-1: 2022

Notified test laboratory:

0051 - IMQ
IMQ S.p.A - Via Quintiliano 43,
20138 Milano Italy

Test report number: CS25-0114847-02
Document number: 25-1651021-05
System to assess and check the consistency of performance: 3

Hygiene, health and environment		
	at nominal heat output	at part load heat output
Carbon monoxide emission (CO)	966 mg/Nm³	3974 mg/Nm³
Nitrogen oxides emission (NOx)	82 mg/Nm³	76 mg/Nm³
Emission of organic gaseous carbon (OGC)	34 mg/Nm³	404 mg/Nm³
Particulate matter emissions (PM)	14 mg/Nm³	32,3 mg/Nm³
Safety and accessibility in use		
Flue gaz outlet temperature	303°C	218°C
Minimum flue draught	12 Pa	8 Pa
Flue gas mass flow	7,6 g/s	4,4 g/s
Energy economy and heat retention		
Space heat output	7,8 kW	3,6 kW
Water heat output	n.a.	n.a.
Efficiency	77,0%	77,8%

Fire safety on safety test heat output		
Reaction to fire		A1
Surface temperature		Pass
Fire risk after the fall of burning fuel		Pass
Fire safety of installation of the chimney		T400 G
Space heating efficiency		
Seasonal space heating efficiency at nominal output		67%
Energy efficiency	Energy efficiency index (EEI)	102
	Energy efficiency class	A
Electric power consumption at nominal heat output		n.a.
Electric power consumption at part load heat output		n.a.
Power consumption in standby mode		n.a.
Sustainable use of natural resources		
Environmental sustainability		NPD
Mechanical resistance and stability		
Mechanical resistance (for the pipe to withstand)		NPD
Max. water pressure when operating		n.a.
Load bearing capacity (ensure the floor is resistant enough to support the stove and its possible cladding; consult a specialist if in doub)		NPD
Electrical safety		Pass
Cleaning capacity		Pass

Minimum safety distances to adjacent combustible materials (following Triedron test assembly)

	Total safety distance		Convection air space*	Protective insulation**
Rear	dR=	100 mm	100 mm	-
Sides	dS=	150 mm	150 mm	-
Ceiling	dC=	750 mm	750 mm	-
Bottom	dB=	10 mm	10 mm	-
Front (ex. furniture)	dP=	1650 mm	1650 mm	-
Floor in front	dF=	600 mm	600 mm	-
Side radiation area	dL=	600 mm	600 mm	-

* The specified safety distances are valid ONLY for fully insulated flue ducts with an insulator having a thermal conductivity of 0.07 W/m.K at 400 °C and a 25mm thickness. For all other cases, refer to the applicable regulations.
** Thermal conductivity of 0.105 W/m.K at 400°C

Bois-de-Villers; May 28th, 2025

The performance of the product identified above is in conformity with the set of declared performance.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified as follow:

Gérard Pitance
Chief Executive and Founder

Jean-François Sidler
Managing Director and Chief Executive

EU DECLARATION OF CONFORMITY

(in accordance with EU Directive 2014/30/EU, 2014/35/EU, 2011/65/EU & 2015/1185/EC)

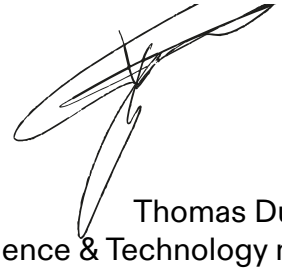
Manufacturer:	STÛV SA Rue Jules Borbouse,4 5170 Bois-de-Villers Belgique
Product designation:	**Wood burning inset appliance without water supply (wood logs only)**
Product families:	STÛV 16 IN
EU standards:	Products have been tested following the EN16510-2-2 harmonized standards.

EU legislations:

2014/30/EU	DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, Official Journal of the EU L96, 29/03/2014, p. 79–106
2014/35/EU	Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits, Official Journal of the EU L96, 29/03/2014, p. 357–374
2011/65/EU	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment
2015/1185/EC	COMMISSION REGULATION (EU) 2015/1185 of 24 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel local space heaters

This declaration of conformity is issued under the sole responsibility of the manufacturer.
We confirm the conformity of the above-mentioned products with the above-mentioned standards and legislations.

Signed for and on behalf of STÛV SA,
Bois-de-Villers, 13/01/2025.



Thomas Duquesne
Science & Technology manager
certifications@stuv.be

EU DECLARATION OF CONFORMITY

(in accordance with EU Directive 2014/30/EU, 2014/35/EU, 2011/65/EU & 2015/1185/EC)

Manufacturer:	STÛV SA Rue Jules Borbouse,4 5170 Bois-de-Villers Belgique
Product designation:	**Wood burning stoves without water supply (wood logs only)**
Product families:	STÛV 16 CUBE/D4/H/UP
EU standards:	Products have been tested following the EN16510-2-1 harmonized standards.

EU legislations:

2014/30/EU	DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, Official Journal of the EU L96, 29/03/2014, p. 79–106
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Signed for and on behalf of STÛV SA,
Bois-de-Villers, 13/01/2025.

Thomas Duquesne
Science & Technology manager
certifications@stuv.be

Contact

Stûv stoves are designed and manufactured in Belgium by:

Stûv S.A.

Rue Jules Borbouse 4,
B-5170 Bois-de-Villers (Belgium)
info@stuv.com - www.stuv.com

Stûv reserves the right to make changes without prior notice.

These instructions have been produced with the greatest of care. However, we do not accept responsibility for any errors that may have been made

Editor:
Gérard Pitance – rue Jules Borbouse 4 – 5170 Bois-de-Villers – Belgium

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