

CONVECTION FIREPLACE INSERTS



SYSTEM ECONOMY

STMA

Join the group of those *who chose well.*

Hitze is a modern brand of ecological fireplace inserts and free-standing stoves. We have specialized in **wood-fired appliances** for over 20 years. Our headquarters and the entire production are located in Poland, but our representatives can be found in over **35 countries** in Europe, Africa and Asia.

The dynamic development over the last 5 years has strengthened our position in the segment of high-quality products while maintaining **competitive prices**.

STMA SYSTEM ECONOMY



3,5 kW

ADJUSTABLE POWER RANGE

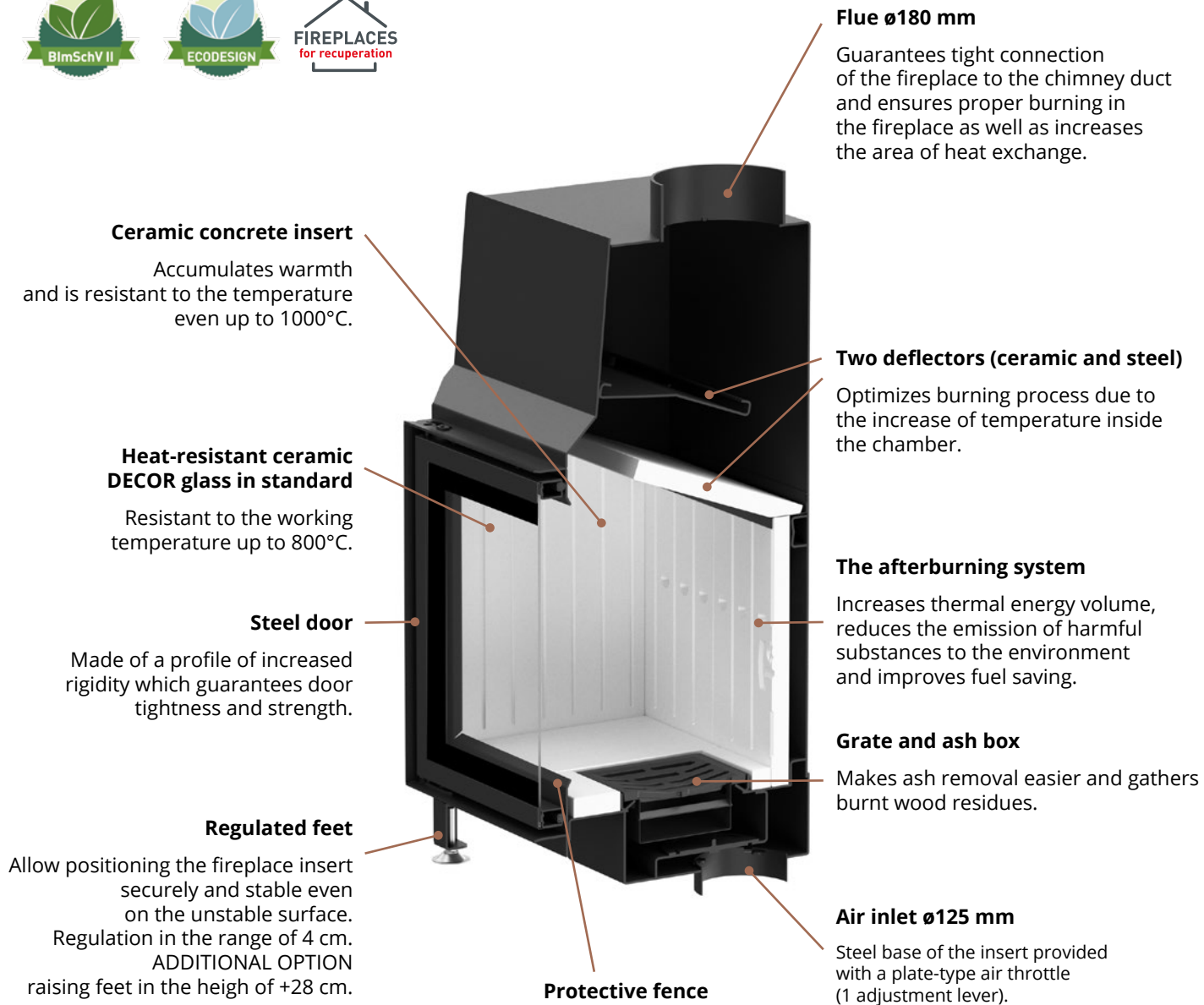
16 kW

The line of STMA fireplaces was created to extend to the offer of the Hitze Company. They are a response to the expectations of customers looking for an **economical way** to bring fire to the home.

Fireplaces from STMA line are available in **3 sizes of the combustion chamber**. They are made with front or corner glassing, without the possibility of installing a guillotine door. In order to increase the design of the device, each model is equipped with printed **DECOR glass** in standard.

Despite the simplified steel construction, they were designed with the main technical solutions important for efficient and ecological combustion: two deflectors, post-combustion system, additional heat radiators and an accumulation lining into the combustion chamber.

For the convenience of cleaning and lighting the insert is equipped with a traditional and very well ventilated iron grate and ash pan. The simplicity of everyday use is achieved thanks to the integrated throttle of primary and secondary air.



Flue ø180 mm

Guarantees tight connection of the fireplace to the chimney duct and ensures proper burning in the fireplace as well as increases the area of heat exchange.

Ceramic concrete insert

Accumulates warmth and is resistant to the temperature even up to 1000°C.

Heat-resistant ceramic DECOR glass in standard

Resistant to the working temperature up to 800°C.

Steel door

Made of a profile of increased rigidity which guarantees door tightness and strength.

Regulated feet

Allow positioning the fireplace insert securely and stable even on the unstable surface. Regulation in the range of 4 cm. **ADDITIONAL OPTION** raising feet in the height of +28 cm.

Two deflectors (ceramic and steel)

Optimizes burning process due to the increase of temperature inside the chamber.

The afterburning system

Increases thermal energy volume, reduces the emission of harmful substances to the environment and improves fuel saving.

Grate and ash box

Makes ash removal easier and gathers burnt wood residues.

Air inlet ø125 mm

Steel base of the insert provided with a plate-type air throttle (1 adjustment lever).

Protective fence

STMA 54x39

SYSTEM ECONOMY

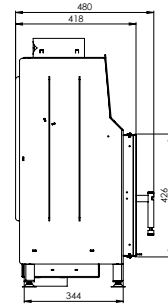
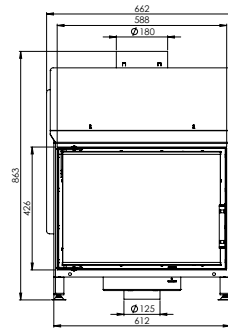


STMA54x39.S

standard horizontal

- 9,0 kW
- 4,5 - 11,5 kW
- 80,5 %
- 360 - 590 cm²
- 630 - 720 cm²

A⁺

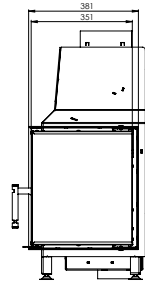
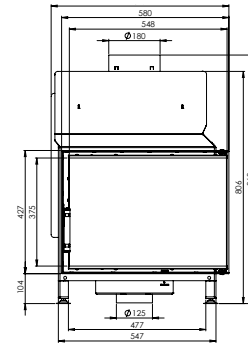


STMA54x39.R

right horizontal

- 7,5 kW
- 3,5 - 9,5 kW
- 78 %
- 280 - 460 cm²
- 490 - 560 cm²

A

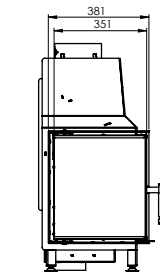
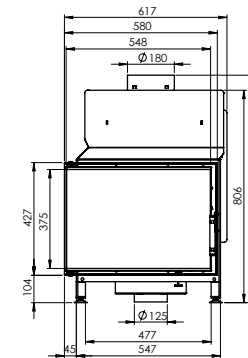


STMA54x39.L

left horizontal

- 7,5 kW
- 3,5 - 9,5 kW
- 78 %
- 280 - 460 cm²
- 490 - 560 cm²

A



See page 9 for the meaning of the icons used.

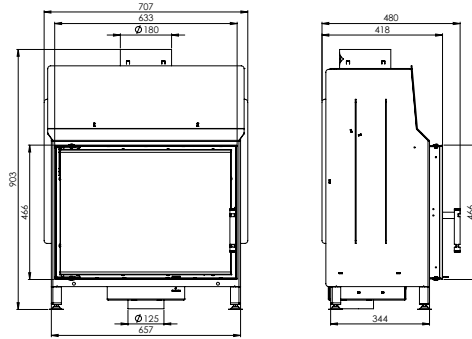


STMA59x43.S

standard horizontal

- 11,0 kW
- 5,0 - 13,5 kW
- 78,5 %
- 440 - 720 cm²
- 770 - 880 cm²

A

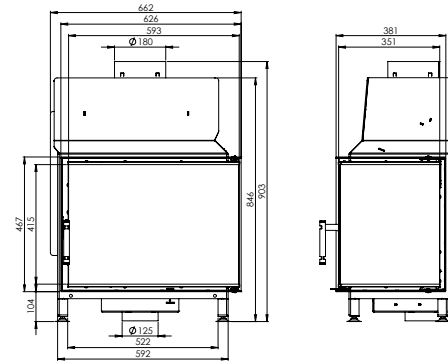


STMA59x43.R

right horizontal

- 9,0 kW
- 4,5 - 11,5 kW
- 76,5 %
- 360 - 590 cm²
- 630 - 720 cm²

A

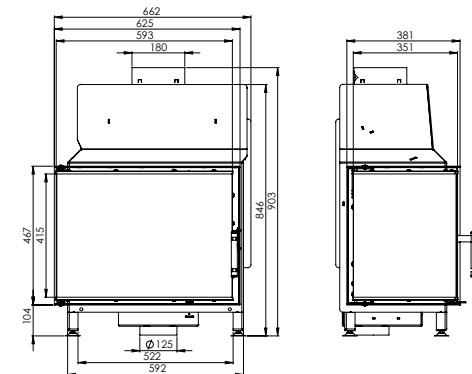


STMA59x43.L

left horizontal

- 9,0 kW
- 4,5 - 11,5 kW
- 76,5 %
- 360 - 590 cm²
- 630 - 720 cm²

A



STMA 59x43

SYSTEM ECONOMY






STMA 68x43

SYSTEM ECONOMY

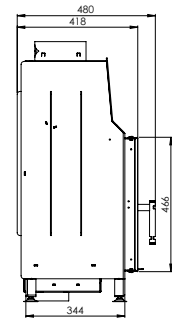
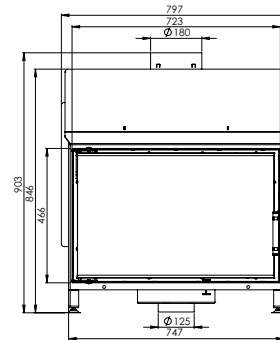


STMA68x43.S

standard horizontal






-  12,5 kW
-  6,0 - 16,0 kW
-  76,5 %
-  520 - 850 cm³
-  910 - 1040 cm²

A

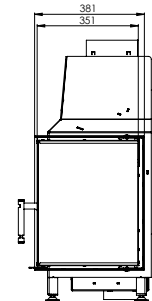
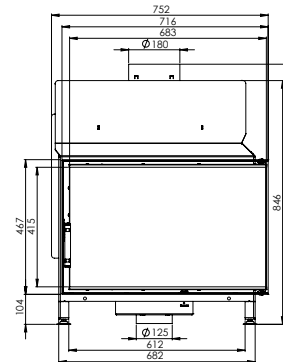


STMA68x43.R

right horizontal






-  11,0 kW
-  5,5 - 14,0 kW
-  75,5 %
-  320 - 520 cm³
-  770 - 880 cm²

A

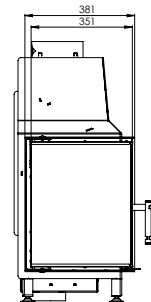
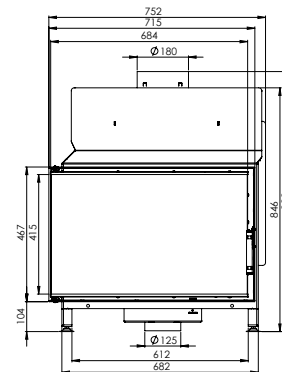


STMA68x43.L

left horizontal

-  11,0 kW
-  5,5 - 14,0 kW
-  75,5 %
-  440 - 720 cm³
-  770 - 880 cm²

A



See page 9 for the meaning of the icons used.


INSTALLATION ACCESSORIES:


HEAT EXCHANGERS



WCPW01.Fi200
WCPW01Fi180
heat exchanger
with water jacket

material:
boiler steel 3 mm


 < 7 kW


 < 7 kW

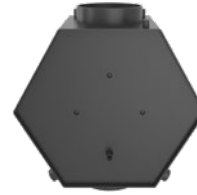


WCPW01w.Fi200
WCPW01wFi180
heat exchanger with water
jacket and coil pipe

material:
boiler steel 3 mm


 < 7 kW

 < 7 kW



WCPW02.Fi200
heat exchanger
with water jacket and
tubes


material:
boiler steel 4 mm


 < 10 kW



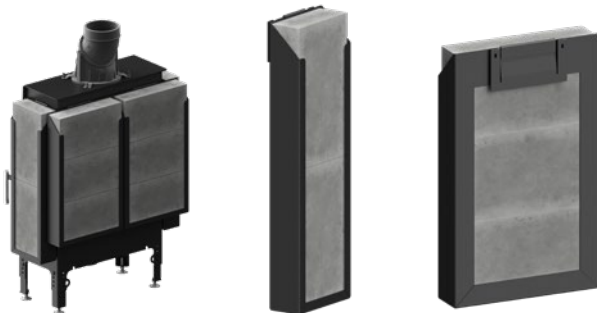
WCPP01.Fi200
WCPP01Fi180
air heat exchange

material:
boiler steel 3 mm

 < 7 kW

 < 7 kW

ACCUMULATION SET



For the lines:
ALBERO, ALBERO AQUASYSTEM, ARDENTE, STMA

Block weight: 14,5 kg

ADDITIONAL FEET



For the lines:
ALBERO, ALBERO AQUASYSTEM, STMA, ARDENTE

VENTILATION GRIDS

DECCO

Available in various colors and sizes.
Material: steel with a thickness of 1.5 mm.
Mounting frame included.



DECCO
size: 20 x 20 cm
KDC-20x20-W

DECCO
size: 20 x 30 cm
KDC-20x30-W

DECCO
size: 20 x 40 cm
KDC-20x40-W

DECCO
size: 20 x 50 cm
KDC-20x50-W

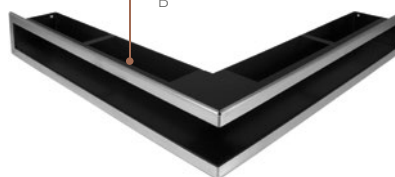
SLIM

Available in various shapes and sizes.
Shapes: straight and corner
Material: steel with a thickness of 1.5 mm



SLIM INOX

Available in various shapes and sizes.
Base colors: black
Finish: stainless steel, polished
Shapes: straight and corner
Material: steel with a thickness of 1.5 mm



FIREPLACE PERSONALIZATION

STANDARD OPENING



INOX VENT



INOX VENT
PORTAL



BLACK VENT



BLACK VENT
PORTAL



BLACK BASIC

GUILLOTINE OPENING (available in 5 sizes)



INOX VENT G

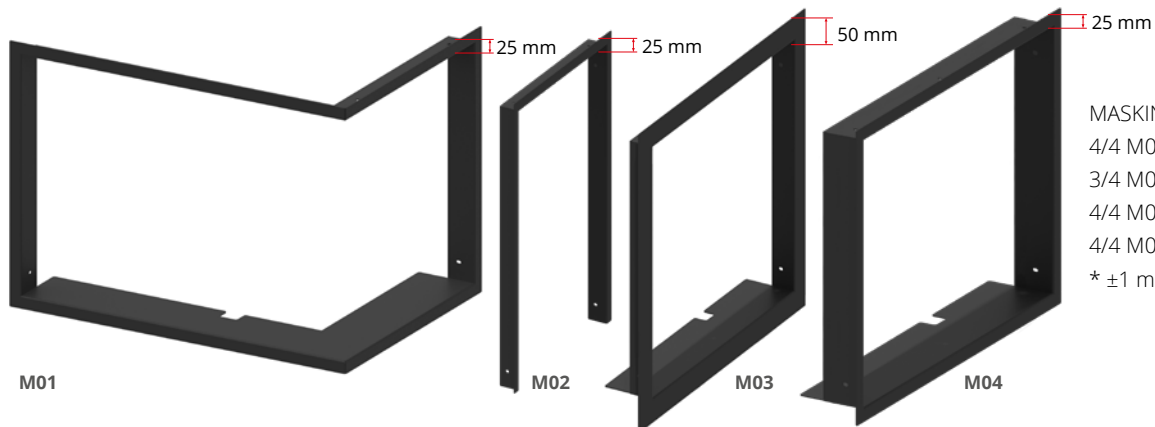


BLACK VENT G



BLACK MINIMAL G

MASKING FRAMES



MASKING FRAMES:

4/4 M01 - 25 mm

3/4 M02 - 25 mm

4/4 M03 - 50 mm

4/4 M04 - 25 mm / depth 79 mm*

* ±1 mm depending on the model

GLASS BASES



BASE 01

Dimensions (mm) 515 x 350

BASE 02

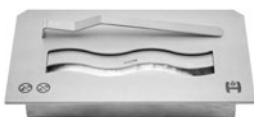
Dimensions (mm) 1067 x 1260

Material: tempered glass

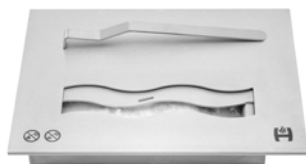
BLACK CERAMIC CONCRETE INSERT



BIO-INSERTS



Bio-insert **SMALL** WBN-04
capacity: 0,6 l



Bio-insert **MEDIUM** WBN-02
capacity: 1 l



Bio-insert **LARGE** WBN-03
capacity: 1,6 l

CERAMIC GLASS DECOR:

pattern DECOR *Elegance*



pattern DECOR STANDARD

STMA - technical data

STMA	STMA54x39.S	STMA54x39.L/R	STMA59x43.S	STMA59x43.L/R	STMA68x43.S	STMA68x43.L/R
Nominal power [kW]	9,0	7,5	11,0	9,0	12,5	11,0
Heating load range [kW]	4,5-11,5	3,5-9,5	5,0-13,5	4,5-11,5	6,0-16,0	5,5-14,0
Thermal efficiency [%]	80,5	78	78,5	76,5	76,5	75,5
CO emission (at13%O ₂) [g/m ³]	0,717	0,931	0,825	0,902	0,932	0,873
CO emission (at13%O ₂) [%]	0,0573	0,0744	0,0660	0,0721	0,0746	0,0698
Dust emission [g/m ³]	0,026	0,034	0,030	0,036	0,033	0,037
Average fuel consumption [kg/h]	2,7	2,4	3,3	3,0	3,9	3,5
Recommended active area of outlet grids [cm ²]	630-720	490-560	770-880	630-720	910-1040	770-880
Recommended active area of inlet grids [cm ²]	360-590	280-460	440-720	360-590	520-850	440-720
Dimensions of the glass [mm]	540x390	540x390x347	590x430	590x430x347	680x430	680x430x347
External dimensions [mm]	662x863x480	617x863x480	707x903x480	662x903x480	797x903x480	752x903x480
Diameter of the flue [mm]	180	180	180	180	180	180
Inlet diameter [mm]	125	125	125	125	125	125
Maximum log length [mm]	300	300	330	330	350	350
Weight of the insert [kg]	100	90	111	99	119	109
Masking frame 4/4	FHST54x39S-M01	FSTMA54x39RL-M01	FHST59x43S-M01	FSTMA59x43RL-M01	FHST68x43S-M01	FSTMA68x43RL-M01
Efficiency coefficient	107,7	104,1	104,8	101,9	101,9	100,5
Energy class	A ⁺	A	A	A	A	A



MEANING OF THE ICONS USED:



Nominal power



Heating load range



Thermal efficiency



Recommended active area of outlet grids



Recommended active area of inlet grids



Dimensions




www.hitze.pl



STALKO
spółka z ograniczoną odpowiedzialnością
spółka komandytowa
ul. Solec 24/253
00-403 Warszawa, Poland

Biuro:
Gdyńska 32
26-600 Radom
Poland

 +48 48 380 18 98
+48 800 88 00 30

 handlowy@hitze.stalko.com
export@hitze.stalko.com

NIP 9482603545
REGON 361379132
Reg. No. 0000836475

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