



EWI-THERM

Slow Combustion Stoves

- to keep you warm!



EWI-THERM – slow-combustion stoves

The useful and economic alternative to oil, gas and electricity.

Your benefits:

- **Fast heat**
- **Economic and durable**
- **Simple and easy to operate**
- **Excellent efficiency**
- **Suitable for different solid fuels**
- **Environment-friendly due to CO₂-neutral combustion**
- **No official approval required as per §4 of the 1st Federal Emission Control Act of Germany**
- **Type-tested in compliance with CE or DIN 18890**
- **Almost 70 years of experience in stove design**



EWI-THERM slow-combustions stoves are ideal for all enterprises and private households which would like to substantially reduce their heating costs.

Irrespective if you use a stove as additional heat source or as complete heating system, EWI-THERM stoves will effectively and durably reduce your energy costs thanks to considerable oil, gas and electricity savings and excellent efficiencies.

The robust stoves of reliable design feature an extreme long service life. They will economically supply comfortable heat in your business and private rooms for many decades. The original classic stove design is becoming ever more popular even in the private sector.

The slow-combustion stoves are suitable for the combustion of log wood and natural wood pieces, brown coal briquettes or pellets. This ensures that even your wood waste is utilized in an economic and environment-friendly manner. The low-emission, sulphur-free and CO₂-neutral combustion does not harm the environment.

All types of the EWI-THERM GRA series are divided inside in combustion section and filling section. In addition to an optimum, low-emission combustion, this design enables easy, simple and safe stove filling during operation.

EWI-THERM slow-combustion stoves offer a rated heat output of up to 15 kW and require no approval as per §4 of the 1st Federal Emission Control Act.

Since the foundation of the furnace foundry almost 70 years ago, all EWI-THERM stoves are manufactured in solid handicraft.

All parts such as fire and ash door, cover plate and grille consist of high-quality cast iron as prescribed by DIN 1691. The heat-resistant lining is made of robust high-quality refractory clay bricks in compliance with DIN 51068.

As a result, a good mechanical strength and a long lifetime are guaranteed even at high thermal stress.

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GRA-G/0

Heat – fast and consistent



If workshops or rooms need to be heated quickly and evenly, the **EWI-THERM slow-combustion stove GRA-G** will be your first choice. The GRA-G is the largest and most powerful EWITHERM slow-combustion stove. Equipped with a double jacket, it is the only stove which has an additional fan on the back side.

Room heating is based on the circulating-air principle.



Controlled by a thermostat, the fan takes in the cold room air, leads it through the furnace jacket and releases it in heated condition at the floor. According to this method, the rooms are heated quickly, evenly and without dust turbulences.

GRA-A/0

Efficiency and durability



With the aid of its optimized body and the large cast-iron cover plate, the **EWI-THERM slow-combustion stove GRA-A** is capable of effectively dissipating its radiation heat to the room. In addition, the extremely long combustion period combined with the heat-storing, durable refractory lining ensures long-lasting heat dissipation. The slow-combustion stove tested in compliance with DIN 18890 is highly suitable for burning natural wood, wood with bark and briquettes.

Particularly the high efficiency and the long value stability are features of this quality product which makes it a reasonable alternative to oil, gas and electricity.



Technical data

Rated heat output	13 kW
... with circular heating element	15 kW
For rooms up to	approx. 250 m ³ (as per DIN 4108)
Height	104 cm
Diameter	66 cm
Flue pipe diameter	150 mm
Height up to lower flue pipe edge	77 cm
Filling section volume	100 ltr
Diameter of filling volume	21,5 cm
Chimney diameter	150/180 mm (as per EN 13384-1)
Chimney height	approx. 6 m
Weight	190 kg
Exhaust gas flow rate	17 g/s
Minimum conveying pressure	1,5 mbar
Exhaust gas temperature	240°C
Fan air rate	260 m ³ /h
Power connection (provided by others)	220 V/42 W (as per VDE)
Flue pipe outlet	left (Standard), optionally on the right

Connection to a stainless steel chimney only in connection with a circular heating element.

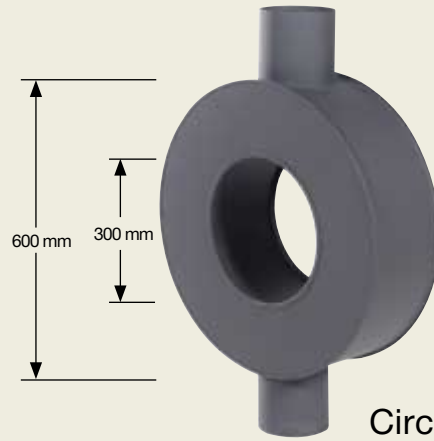
Technical data

Rated heat output	13 kW
... with circular heating element	15 kW
For rooms up to	approx. 250 m ³ (as per DIN 4108)
Height	104 cm
Diameter	60 cm
Flue pipe diameter	150 mm
Height up to lower flue pipe edge	77 cm
Filling section volume	100 ltr
Diameter of filling volume	21,5 cm
Chimney diameter	150/180 mm (as per EN 13384-1)
Chimney height	approx. 6 m
Weight	170 kg
Exhaust gas flow rate	17 g/s
Minimum conveying pressure	1,5 mbar
Exhaust gas temperature	240°C
Flue pipe outlet	left (Standard), optionally on the right

Connection to a stainless steel chimney only in connection with a circular heating element.

Accessories for slow-combustion stoves:

Filling funnel
for smaller fuel pieces



Circular
heating element

Our product range comprises all required flue pipe sections, circular heating elements, chimney liners, filling funnels, stirring tools and other accessories. The flue pipe sections and circular heating elements are made of 2 mm steel sheet in compliance with DIN 1298.

Connection schematic
for the slow-combustion stoves
type GRA ... and BB400

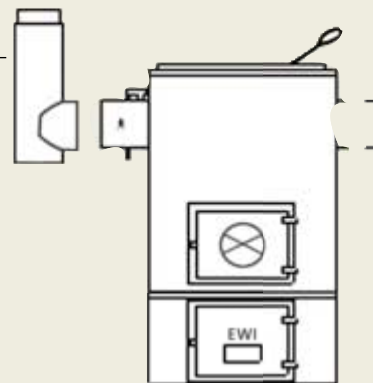
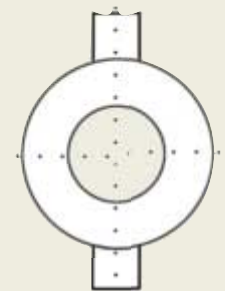
Chimney liner
curve 0 - 90°

Pipe 1000 mm

Pipe 500 mm

Boiler
connection pipe

Circular heating element



Optionally flue
pipe connection
on the right



GRA-A/B

Proven quality



Proven for years, consistently developed and permanently adjusted to the changing requirements, the **EWI-THERM GRA-A/B slow-combustion stove** represents the optimum solution for heating smaller rooms or workshops.

Main feature is the combustion of wood and waste wood pieces, which are hence economically and ecologically converted to heating power.

BB400

Small, black, strong

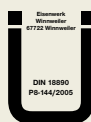


The **BB400** is the smallest **EWI-THERM slow-combustion heater**.

This robust stove is particularly characterized by its high performance and long lifetime. The type-tested heater is ideal to heat rooms up to approx. 50 m³, e.g.

- tool sheds
- containers
- summer houses
- hobby workshops
- hunting lodges
- sharpening rooms
- living rooms

The firmly built refractory lining guarantees a comfortable and even heat dissipation, which continues over several hours. Log wood, waste wood, brown coal briquettes, pellets, etc. can be used as fuel. As in all **EWI-THERM** stoves, it is easily possible to stir the fire during operation.



Technical data

Rated heat output	8.5 kW
... with circular heating element	10 kW
For rooms up to	approx. 150 m ³ (as per DIN 4108)
Height	101 cm
Diameter	45 cm
Flue pipe diameter	120 mm
Height up to lower flue pipe edge	80 cm
Filling section volume	70 ltr
Diameter of filling volume	17,5 cm
Chimney diameter	150/180 mm (as per EN 13384-1)
Chimney height	approx. 5 m
Weight	120 kg
Exhaust gas flow rate	11 g/s
Minimum conveying pressure	1,5 mbar
Exhaust gas temperature	220°C
Flue pipe outlet	left (Standard), optionally on the right

Connection to a stainless steel chimney only in connection with a circular heating element.



Technical data

Rated heat output	6 kW
For rooms up to	approx. 50 m ³ (as per DIN 4108)
Height	77 cm
Diameter	40 cm
Flue pipe diameter	120 mm
Height up to lower flue pipe edge	58 cm
Filling section volume	25 ltr
Diameter of filling volume	16.5 cm
Chimney diameter	150 mm (as per EN 13384-1)
Chimney height	approx. 5 m
Weight	76 kg
Exhaust gas flow rate	7.5 g/s
Minimum conveying pressure	1,6 mbar
Exhaust gas temperature	230°C
Flue pipe outlet	back (Standard)



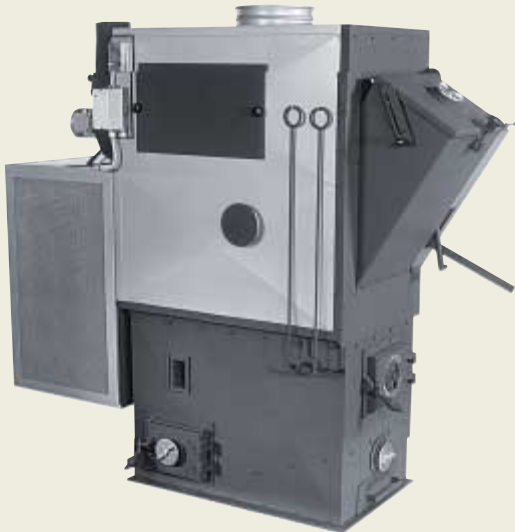
EWI-THERM – slow-combustion stoves

The useful and economic alternative to oil, gas and electricity.

Fast and economic heat by employing renewable fuels and combustion of log wood, waste wood, pellets, brown coal briquettes, etc. Outputs from 6 kW to 15 kW. Suitable for all rooms from 50 m³ to 250 m³.

EWI-THERM hot-air heating systems

Types Prestige-SE and Optimal-E



- Heating based on advanced hot-air technology
- Short heat-up phase
- Hot-air heating system of modular design
- Inexpensive procurement costs – fast payback
- Low maintenance

The EWI-THERM product spectrum:

- EWI-THERM hot-air heating systems
For outputs from 25 to 198kW, higher outputs on request.
We are ready to prepare an individual offer for you.
- EWI-THERM wood chip firing with bin discharger
- EWI-THERM slow-combustion stoves
- EWI-THERM heat exchangers
- EWI-THERM stainless steel chimneys
- EWI-THERM flue gas dedusting systems
- EWI-THERM air ducts
- EWI-THERM barbecue grill

EISENWERK WINNWEILER – Ludwig Krämer KG

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