skantherm®

DATA SHEET – MODEL-SPECIFIC DATA, NOTES AND INSTRUCTIONS

# Emotion M 2.0

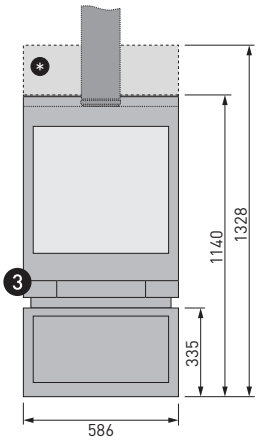
ENGLISH // 25.11.2025 | V-1 //
LE-NR.: 2267-2

| | |
|---|---|
| Chimney stove for solid fuels; only use recommended fuel: | Logs (category »I«)) |
| Type of chimney stove | Room air dependent (type BE) |
| Operation with closed fire box (construction type 1): | ✓ |

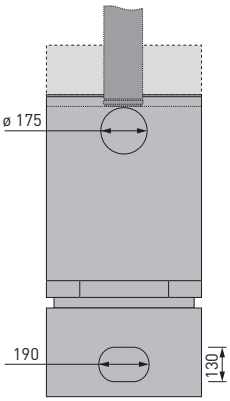
**This stove is designed only for intermittent operation (INT)!**

## Weight, dimensions and other characteristics

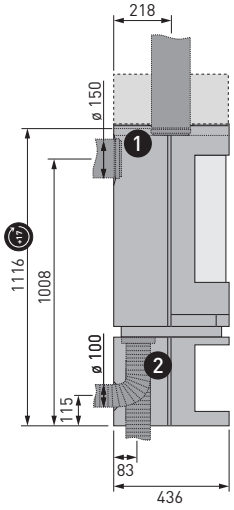
Front view




Rear view




Side view



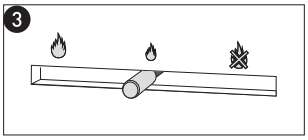

Dimensions in mm

If using the rotating version of the chimney stove (optional), add the following value to the height measurements:
+ 17 mm (rotating cast iron connecting piece)

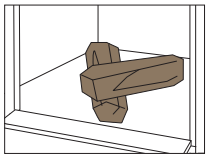
Heat retention module (optional)

| | |
|---|---|
| optional: rotating (angle to the right / left): | 60° / 60° |
| Weight of fireplace (steel): | 154 kg |
| optional: Heat accumulator with up to...kg of storage mass: | 90 kg |
| Fire box dimensions (h x w x d): | 290 x 440 x 310 mm |
| Fire box opening dimensions: | 1726 cm² |
| Pipe diameter (waste smoke): | 150 mm |
| 1 Flue connection piece (top / rear): | • / • |
| Temperature rating of chimney (T rating): | T400 soot fire resistant |
| Max. load (chimney load, $m_{chim}$): | 100 kg |
| Fresh air connection piece diameter: | 100 mm |
| 2 Combustion air connection (rear / bottom): | • / • |

## Operating instructions during use




Combustion air regulator setting for the operating phase of the fireplace: „Small flame“ symbol



Fuel input per single burn:
(ideal: beechwood, 2 logs, length 25 cm, Position as shown on the left): approx. total 1,6 kg

Duration of single burn: approx. 40-45 min

## Values for calculation of the chimney according to DIN EN 13384-1 and 13384-2

| | |
|---|---|
| Average feed pressure ($P_{nom}$): | 12 Pa |
| Waste gas mass flow rate ($ø_{f,g\,nom}$): | 7,0 g/s |
| Waste gas connection piece temperature ($T_{snom}$): | 324 °C |
| Shared chimney flues admissible. | ✓ |

**Please read and follow our general assembly and operating instructions!**

◀ ENGLISH

skantherm®

## TECHNICAL DOCUMENTATION ACCORDING TO REGULATION (EU) 2015/1185

| | |
|---|---|
| Name and address of the manufacturer: | skantherm GmbH & Co. KG; Von-Büren-Allee 16; D-59302 Oelde |
| Model identification: | Emotion M 2.0 |
| Equivalent models: | / |
| Test reports: | RRF - 1021 25 2267<br>Prüfstelle Rhein-Ruhr-Feuerstättenprüfstelle GmbH (RRF), Nr.: 1625 |
| Harmonised standards: | DIN EN 16510-1:2022 |
| Other applied standards or technical specifications: | DIN EN 16510-2-1:2022 |
| Indirect heating functionality: | no |
| Direct heat output: | 7 kW |
| Indirect heat output: | / kW |
| **Characteristics when operating with the preferred fuel only** | |
| Seasonal space heating energy efficiency $\eta_s$ [%]: | 69 |
| Energy efficiency index (EEI): | 104,6 |
| Energy efficiency class: | A (A+ / G) |

| Fuel: | Preferred fuel (only one): | Other suitable fuel(s): | $\eta_s$ [x %]: | Space heating emissions at nominal heat output: | | | | Space heating emissions at minimum heat output: | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | PM | OGC | CO | NOx | PM | OGC | CO | NOx |
| | | | | [x] mg/Nm³ (13% $O_2$) | | | | [x] mg/Nm³ (13% $O_2$) | | | |
| Wood logs with moisture content ≤ 25 %: | yes | no | 69 | 40 | 120 | 1250 | 200 | / | / | / | / |
| Compressed wood with moisture content < 12 %: | no | no | / | / | / | / | / | / | / | / | / |
| Other woody biomass: | no | no | / | / | / | / | / | / | / | / | / |
| Non-woody biomass: | no | no | / | / | / | / | / | / | / | / | / |
| Anthracite and dry steam coal: | no | no | / | / | / | / | / | / | / | / | / |
| Hard coke: | no | no | / | / | / | / | / | / | / | / | / |
| Low temperature coke: | no | no | / | / | / | / | / | / | / | / | / |
| Bituminous coal: | no | no | / | / | / | / | / | / | / | / | / |
| Lignite briquettes: | no | no | / | / | / | / | / | / | / | / | / |
| Peat briquettes: | no | no | / | / | / | / | / | / | / | / | / |
| Blended fossil fuel briquettes: | no | no | / | / | / | / | / | / | / | / | / |
| Other fossil fuel: | no | no | / | / | / | / | / | / | / | / | / |
| Blended biomass and fossil fuel briquettes: | no | no | / | / | / | / | / | / | / | / | / |
| Other blend of biomass and solid fuel: | no | no | / | / | / | / | / | / | / | / | / |

## TECHNICAL DOCUMENTATION ACCORDING TO REGULATION (EU) 2015/1185

| Characteristics when operating with the preferred fuel only | | | |
|---|---|---|---|
| Item: | Symbol: | Value: | Unit: |
| **Heat output** | | | |
| Nominal heat output: | $P_{nom}$ | 7 | kW |
| Minimum heat output (indicative): | $P_{min}$ | N.A. | kW |
| **Auxiliary electricity 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 |

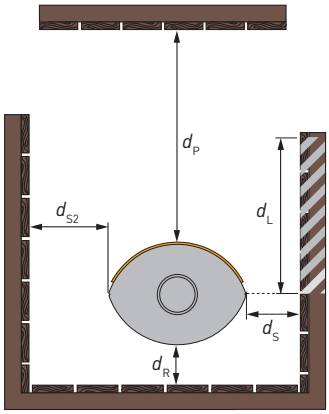
| Item: | Symbol: | Value: | Unit: |
|---|---|---|---|
| **Useful efficiency (NCV as received)** | | | |
| Useful efficiency at nominal heat output: | $\eta_{th,nom}$ | 79 | % |
| Useful efficiency at minimum heat output (indicative): | $\eta_{th,min}$ | N.A. | % |
| **Type of heat output/room temperature control** | | | |
| single stage heat output, no room temperature control: | | | yes |
| 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** | | | |
| room temperature control, with presence detection: | | | no |
| room temperature control, with open window detection: | | | no |
| with distance control option: | | | no |

| | |
|---|---|
| Specific precautions for assembling, installation or maintenance | The fire and safety distances to combustible building materials have to be strickly observed! The fireplace must always be supplied with sufficient combustion air. Air extraction systems can interfere with the combustion air supply!<br>For further important notes, please refer to the chapter „Important information“, page 6. |
| Name and signature of the person empowered to bind | B. Wagner<br>Benedikt Wagner, managing director<br>skantherm GmbH & Co. KG; Von-Büren-Allee 16; D-59302 Oelde |

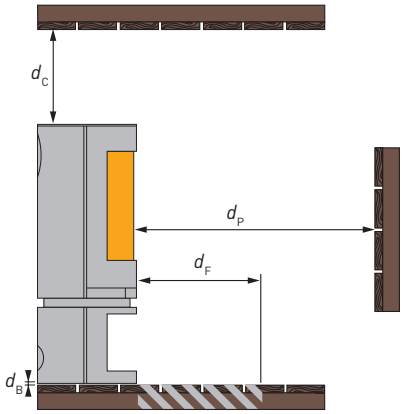
| Supplementary information relevant for market surveillance | |
|---|---|
| Criterion for the end of the test cycle (Basic ember criterion mass): | 0,16 kg |

# FIRE SAFETY

## MINIMUM DISTANCE FROM INFLAMMABLE COMPONENT PARTS




Top view



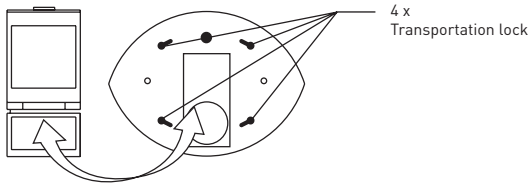

Side view

| | |
|---|---|
| Distance at front in heat radiation range ($d_P$): | ⩾ 1300 mm |
| Distance from floor to front ($d_F$): | ⩾ 0 mm |
| Distance to rear wall ($d_R$): | ⩾ 200 mm |
| To area requiring protection on side wall ($d_L$): | ⩾ 690 mm |
| Distance to side wall ($d_S$): | ⩾ 450 mm |
| Distance to side wall in heat radiation area ($d_{S2}$): | ⩾ 600 mm |
| Distance under the fireplace ($d_B$): | ⩾ 0 mm |
| Distance to ceiling ($d_C$): | > 750 mm |

**Please observe that the stated distances to combustible materials are fire protection information that does not take possible material changes caused by heat such as discoloration or stress fractures into consideration.**

# MODEL-SPECIFIC NOTES

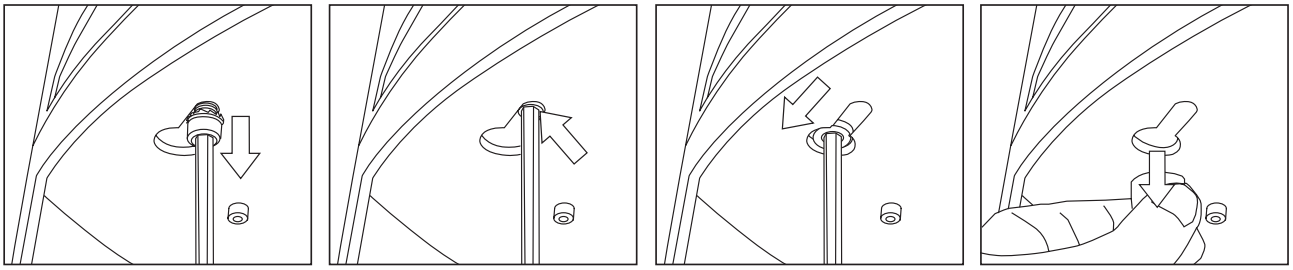
## REMOVING THE TRANSPORTATION LOCK




### REMOVING THE TRANSPORTATION LOCK

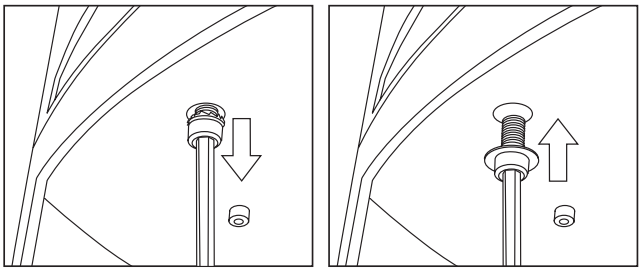
If the unit is to be rotated, first the transportation lock (depending on model; a, b) is to be removed.

### a »EMOTION S«, »EMOTION S [RLU]« & »EMOTION M [RLU]«:



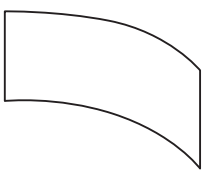
To achieve this, unscrew the four M8 x 30 mm screws with their chopper discs from the upper steel plate of the wood compartment. Then, lead the bolt spacers which rest on the upper steel plate of the wood compartment to the wide hole by means of the hex-wrench and remove the bolts through this entrance.

### b »EMOTION M«



For this purpose, remove the four transportation lock bolts which are screwed into the cover of the wood compartment (M6-allen screw with nuts attached). A hex wrench is enclosed in the service package. Screw the four catch bolts M6 x 12 mm which you find wrapped in the burning chamber into the holes in order to connect wood compartment and burning chamber to each other again.

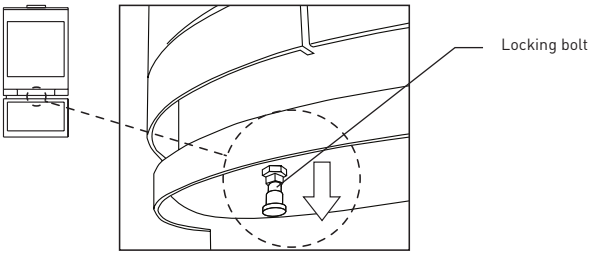
## COVER PLATE



### COVER PLATE

A cover plate is put into the firewood compartment and serves to conceal the fresh air pipe in case of external supply of combustion air.

## ROTATING MECHANISM




ROTATING MECHANISM
The »emotion« chimney stove comes with a rotating mechanism as an option enabling the chimney stoveto be rotated by 60° in both directions if the unit's flue pipe is to be **connected at the top.**
Make sure to unlock the locking device prior to moving the »emotion« chimney stove into the desired rotating position. To this purpose, pull downward the locking bolt underneath the top plate of the wood compartment in order to unlock said bolt. Keeping the lock bolt in its pulled-out position allows the chimney stove to be turned into the desired position; as soon as the bolt is released it will engage into the next possible position when turned further. There are 5 engagement positions altogether at a distance of 30°.
**An additional fixation of the flue pipe to the chimney is essential for a rotatable chimney stove! The fixing material is supplied with corresponding assembly instructions.**

## ⚠ IMPORTANT INFORMATION ⚠

Installation:
It is imperative that the chimney stove be installed in strict conformity with any prevailing national and European standards as well as any applicable local regulations. Please contact your local chimney sweep prior to installing your chimney stove.

Initial operation:
**Please absolutely ensure you read chapter 4.1 of the general instruction manual.**

Fire safety:
Always maintain the specified safety distances from flammable components and materials.

**The surfaces and controls can become hot during operation. Use a heat-resistant glove if necessary.**

**Except when lighting the fire, refilling fuel and sweeping out ash, the firebox and (optional) ash pan must be kept shut at all times.**

Ventilation of room and chimney stove:
Always ensure good general ventilation of the room where the fireplace is installed to ensure an adequate level of oxygen in this room.
To ensure optimum indoor air quality, we recommend supplying at least 50 m3/hour of fresh outside air per kilowatt hour of nominal heat output.
Never close the combustion air inlet vents on the stove, or on the stove's supply air duct or the convection shafts.

Cleaning:
**Make sure to clean your chimney stove at regular intervals.** This also applies to emptying the ash tray*/ash box* and cleaning the shaking grate*/ retractable grate* (*depending on model). Also make sure to clean the connection pieces and flues at least once a year and to apply a heat resistant lubricant on all moving parts such as hinges at least once a year, too. Use a damp cloth to clean window glasses. Contact your local chimney sweeper for professional cleaning of your chimney at regular intervals.

**The fireplace is not allowed for waste incineration!**

FOR DETAILED INFORMATION PLEASE CONSULT
OUR GENERAL INSTALLATION & OPERATION MANUAL!

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SKANTHERM GMBH & CO. KG
VON-BÜREN-ALLEE 16 / D-59302 OELDE
T 00 49 (0) 25 22-59 01 0 / F 00 49 (0) 25 22-59 01 149
INFO@SKANTHERM.DE / WWW.SKANTHERM.DE

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