SAFETY REGULATIONS:

The applicable safety regulations are to be taken from the product documentation in the currently valid version.

FACILITY PLANNING:

The present planning is a system representation and therefore does not claim to be complete. All applicable regional technical planning guidelines, regulations, standards and official requirements for the respective application must be checked and adhered to by the customer. The present planning is based on the Austrian TRVB 118 H and EN ISO 20023.
The accessibility and maintenance of all system components must be guaranteed. All system components must be protected by a roof against rain and weather.

NOTES:

Fireplace:
The fireplace must be insensitive to moisture and according to EN 13384. calculated or dimensioned. Company HERZ does not carry out chimney calculations. This calculation must be carried out by an authorized specialist company. The flue pipe is constantly rising and thermally insulated to cennect to the fireplace. Long smoke pipes are to be avoided, as it leads to increased dust deposits, dust escapes and cleaning.
For none condensing systems, it is recommended to install a draft regulator and an explorer flap. For condensing systems no draft regulator may be installed. If the draft regulator is installed in the smoke pipe connection, undesirable dust may escape. Each smoke tube arch increases resistance and can cause flow noise that is amplified through the chimney. This can lead to noise pollution. For this reason, smoke pipe bends should be avoided as much as possible. The vertical chimney is an accessible measuring point for emission measurement with a straight inlet section (constant cross section with minimum 5 diameters inlet stretch and minimum 2 diameters out stretch. One neck with 3 inch and one neck with ½ inch with inner threat according to EN 15259.

The mouths of exhaust systems shall be positioned in such a way as to avoid any adverse effects on persons caused by exhaust gases and to ensure perfect draught conditions.
Special national regulations are to be complied with by the licensed specialist company carrying out the work on site. This company is also responsible for proper execution.
It is recommended by Herz to comply with chapter 5 of the OIB guideline 3.

In case of on-site discharge:
Pressure relief and shut-off devices (for silos).
The customer must ensure that the material supply is uniform and adapted to the boiler output and fuel.

Air ventilation Boiler room (to outside):
According to ÖNORM H5170, fireplaces for solid fuels must have a free cross-sectional area of 4cm² per kW nominal heat output and a free flow cross-section of at least 400 cm². For rectangular openings, the aspect ratio should not be greater than 1.5:1, with gratings a corresponding supplement is to be made, according to
TRVB 118 H or country-specific regulations regarding cross sections must be observed by the client.

Air ventilation storage room (to outside):
Storage rooms must be ventilated.
EN ISO 20023 applies to pellet storage rooms.
In order to comply with this requirement, the country-specific regulations must be observed by the customer.

Acoustic:
All sound protection measures according to ÖNORM H5190 must be checked and adhered to by the customer. In systems with fuel gas dedusters compensations must be provided. Even in systems without flue gas dedusters such should be provided. According to local conditions, the fireplace should be equipped with a silencer, which is to be calculated and commissioned by the customer. Also the chimney must be installed with sound decoupling.

Potential equalization:
The entire heating system is in the Integrate equipotential bonding.

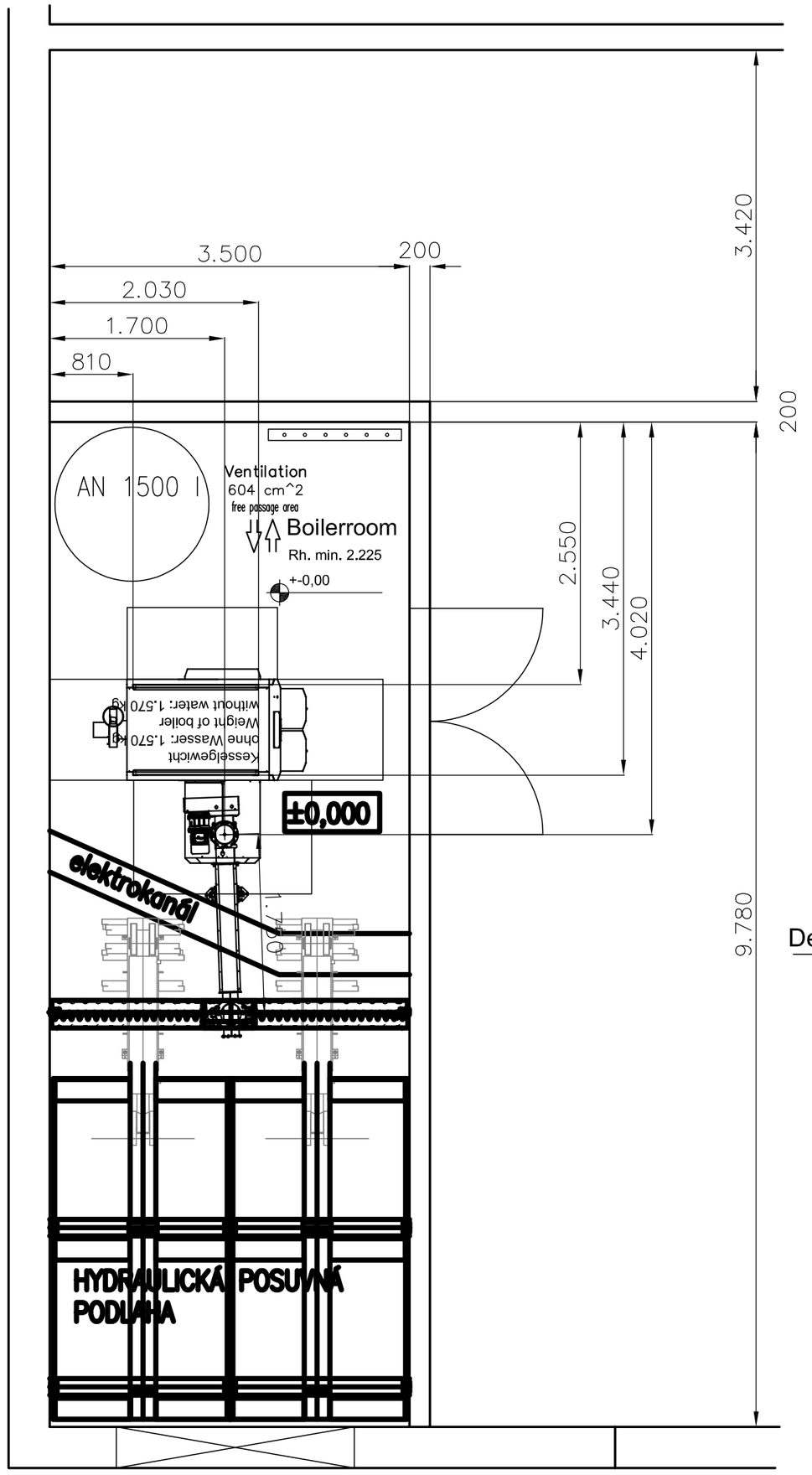
Buffer tank:
Corresponding notes on buffer memory design are to be taken from the product documentation, in particular the standard sheet, in the currently valid version.

Fire alarm system:
If a fire alarm system is provided, it should be carried out as temperature control.

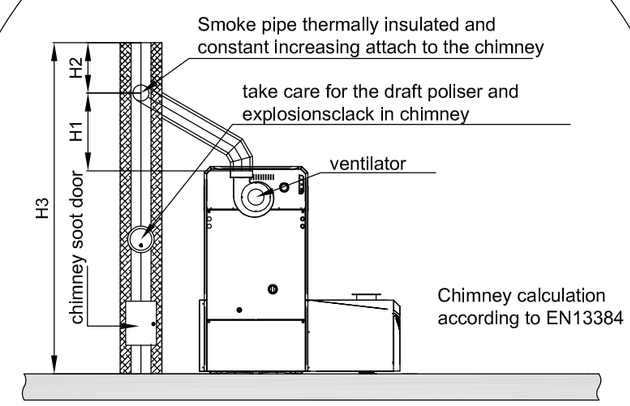
Statics:
All Structural calculations taking into account the specified forces and loads must be provided by the customer.

Inserting:
The possibility of inserting the components must be checked by the customer.

Groundview

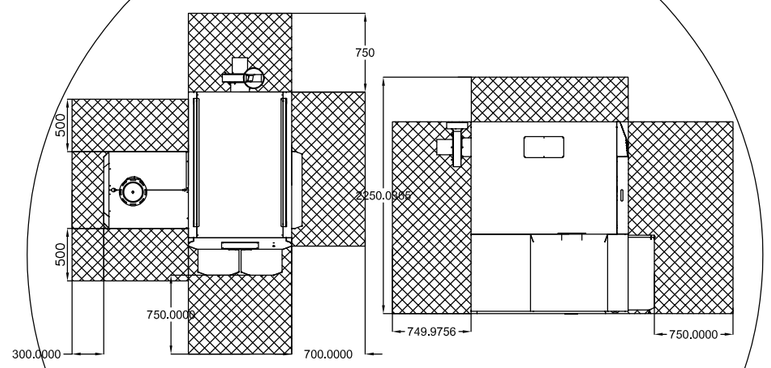


Chimney connection
Heating value systems



H1...effectiv level chimneyattachment
H2...effectiv chimneylevel per EN 13384
H3...total height chimney

Detail Firematic 120-151



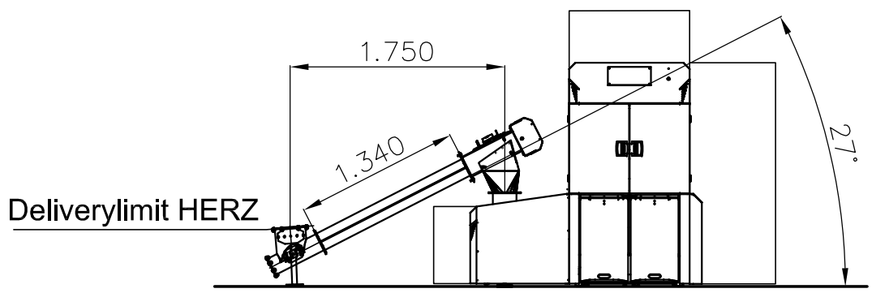
Maintenance areas must be accessible and ..... must not be obstructed!

Inserting dimensions without dismantled components LxWxH 1494x1024x1818
Inserting dimensions with dismantled components LxWxH 1494x950x1818

boiler weight without/with water: 1570/1865kg

More technical specifications for this boiler, see the current version of the standard specification sheet.

Sectionview



boiler type: firematic 151 TC

plant performance: [kW] 36,7-151

wood chips or pellets according to HERZ product specification

COMMISSION:

Zakamennè

CUSTOMER:

Herz Spol. S.r.o.
Priemyselná 3131
SK - 900 27 Bernolákovo
+421 262411910

HERZ Energietechnik GmbH
Herzstraße 1, 7423 Pinkafeld
Österreich/Austria
Phone: +43 (0) 3357 / 42 84 0, Fax.: +43 (0) 3357 / 42 84 0 - 190
E-mail: office-enenergie@herz.eu, Webc www.herz.eu

	Name	Datum
Edit.	Unger P.	2021-01-21
Gepr.	Krchová J.	2021-01-21

Index	Änderung	Datum	Name

scale: 1:50 (A2) | all dimensions in mm!

order number: **VAN21-001604**

Installationdrawing

firematic 151 TC

VAN21-001604_00 Herz SK Zakamennè FM151.dwg