

# DATA ACQUISITION



## Calculation heat exchanger

### General data

Company:

Phone number:

Name\*:

E-mail address\*:

Street, No. \*:

Zip code, City\*:

Country\*:

### Heat generator data

Heating capacity burner

kW

Make/Type

Year of construction

altern. Heat output heat generator

kW

Exhaust gas temperature

°C

altern. Efficiency

%

Impurities

%

Lambda value/excess air

Type of fireplace:

Running time of the plant

days/year

Boiler

Oven

Prod. plant

Full load

h/day

Fuel:

Partial load

h/day

Gas

Oil

Other

Flow/return temperature

°C

Domestic hot water

l/h

Usable heating capacity

kW

Floor heating

m<sup>2</sup>

### Heat recovery from process exhaust air or baking vapor:

Medium to be cooled

Exhaust gas

Exhaust air

Mass flow rate

kg/h

Volume flow measured

m<sup>3</sup>/h

Temperature

°C

Moisture content relative

% absolute

g/kg

For baking systems Size of baking area

m<sup>2</sup>

### Installation heat exchanger:

Exhaust gas from left

Exhaust gas from right

Exhaust gas from below

Exhaust gas from above

### Bypass:

yes

no

if yes:

internal

external

## Exhaust system data

Chimney Ø

Total length

Effective chimney height

Chimney type:

Single-wall flue system

Double-walled chimney

Ceramic chimney

Masonry chimney

## Connecting line

mm Connecting pipe Ø

mm Stretched length

mm Effective height

Number of bends

single wall

double wall

Degree

°

## Sketches/Notes