

## CONTACT INFORMATION

First name

Last name

Company

Role

Country

Phone

Email

Project description

## 1. UNIT LOCATION

Indoors (technical room)

Outdoors (roof)

## 2. SPECIAL AHU VERSIONS NEEDED

Hygienic version

ATEX version

No special version needed

### 3. MATERIAL OF INTERNAL AND EXTERNAL PANELS

#### Internal panels

Galvanized steel

Coated galvanized steel

Aluminium

AISI 304L

AISI 316L

**RAL**

#### External panels

Galvanized steel

Coated galvanized steel

Aluminium

AISI 304L

AISI 316L

**RAL**

### 4. TYPE AND THICKNESS OF CASING

P3 = 30 mm thickness

P5 = 50 mm thickness

P5E = 50 mm thickness + thermal break

### 5. MATERIAL OF INSULATION

Mineral wool 75 kg/m<sup>3</sup> (standard)

Mineral wool 100 kg/m<sup>3</sup>

Mineral wool 150 kg/m<sup>3</sup>

### 6. UNIT'S MAX. DIMENSIONS (IF ANY)

Length [mm]

Width [mm]

Height [mm]

### 7. NEEDED AIR PATHS

Supply only

Extract only

Both supply and extract (combined unit)

## 8. UNIT ARRANGEMENT (IN CASE OF A COMBINED UNIT)

Stacked

Side-by-side

In-line

## 9. WHICH AIR TREATMENTS ARE NEEDED?

### Filtering

Supply filter stage 1

Supply filter stage 2

Supply filter stage 3

Extract filter

Comments:

### Heating

TYPE OF COIL:

LTHW (Low Temperature Hot Water)

Water

Water / glycol mixture [%]

Propylenglycol

Ethylenglycol

Flow / Return temperature: / [°C]

Condenser

Type of refrigerant:

Electric heater

COIL MATERIAL:

Fins

Tubes

Frames

Other special treatments:

## Cooling

TYPE OF COIL:

CHW (Chilled water)

Water

Water / glycol mixture

[%]

Propylenglycol

Ethylenglycol

Flow / Return temperature:

/

[°C]

DX Evaporator

Type of refrigerant:

COIL MATERIAL:

Fins

Tubes

Frames

Other special treatments:

## Humidification

TYPE OF HUMIDIFIER:

Electrical steam

Immersion version

Resistance version

Gas steam

Adiabatic

## Dehumidification

### Heat recovery

TYPE OF HEAT RECOVERY SYSTEM:

Heat wheel

Plate heat exchanger

Run-around coil system

Heat pump

Min. Efficiency: [%]

## 10. DESIGN AIR FLOW RATES

Supply air flow rate [m<sup>3</sup>/h]

Extract air flow rate [m<sup>3</sup>/h]

Recirculation air flow rate [m<sup>3</sup>/h]

## 11. DESIGN AIR CONDITIONS

Outside air Temperature / Humidity / [°C / %RH]

Supply air Temperature / Humidity / [°C / %RH]

Extract air Temperature / humidity / [°C / %RH]

## 12. FAN SPECIFICATIONS

Plug fans

AC motors excl. frequency converters (by others)

AC motors incl. frequency converters

EC motors

Belt-driven fans

Min. SFPv value:  [W/m<sup>3</sup>/s]

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