

# AHU Selection Form

**Project Name \***

**Your Company Name \***

**Your Name \***

Name                  Surname

**Email \***

mail@domain.com

**Phone**

Code                  Number

**Fans data \***

**Air flow**

**Available Static Pressure**

**Supply Fan**

**Exhaust Fan**

**Ambient conditions data: \***

**Winter mode**

**Summer mode**

**Ambient air temperature, °C**

**Ambient air humidity, % RH**

**Room air temperature, °C**

**Room air humidity, % RH**

**Вид на камерата: \***

- A - linear for supply air
- B - linear for exhaust air
- C - linear for supply/exhaust air
- S - vertical for supply/exhaust air
- \*SM - vertical for supply/exhaust air with mixing
- \*SR - vertical for supply/exhaust air with heat recovery
- N - horizontal for supply/exhaust air
- \*NM - horizontal for supply/exhaust air with mixing
- \*NR - horizontal for supply/exhaust air with heat recovery

**Installation: \***

- RT - Outside
- ST - Inside

**Recommended dimensions. Ataro Clime doesn't guarantee they will be met.**

Size, mm	Width	Height	Length

**Panels thickness: \***

- P60 - 60mm
- P40 - 40mm

**Heating section:**

- H1 - water/glycol heating section
- H2 - water/glycol heating/cooling section
- H3 - electrical
- H4 - steam
- H5 - refrigerant circuit

**H1 - water/glycol heating section \***

**Value**

Temperature of air leaving the AHU, °C

Heat exchanger capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Water concentration in the heat transfer medium (1-100)

Glycol concentration in the heat transfer medium (1-50)

Inlet temperature, °C

Outlet temperature °C

## H2 - water/glycol heating/cooling section \*

Value

Temperature of air leaving the AHU in heating mode, °C

Heat exchanger capacity in heating mode, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Temperature of air leaving the AHU in cooling mode, °C

Heat exchanger capacity in cooling mode, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Water concentration in the heat transfer medium (1-100)

Glycol concentration in the heat transfer medium (1-50)

Inlet temperature in heating mode, °C

Outlet temperature in heating mode, °C

Inlet temperature in cooling mode, °C

Outlet temperature in cooling mode, °C

## H3 - electrical heating section \*

Value

Temperature of air leaving the AHU, °C

Heater capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Number of stages

## H4 - steam heating section: \*

Value

Temperature of air leaving the AHU, °C

Heat exchanger capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Steam temperature, °C

Steam pressure, bar

**H5 - Refrigerant circuit heating section: \***

Value

Temperature of air leaving the AHU, °C

Heat exchanger capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Condensation temperature, °C

Evaporation temperature, °C

Refrigerant type

Number of refrigerant circuits

**Cooling section**

C1 - Water/Glycol cooling section

C2 - Direct expansion cooling section

No cooling section

**C1 - Water/Glycol cooling section: \***

Value

Temperature of air leaving the AHU, °C

Heat exchanger capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Water concentration in the heat transfer medium (1-100)

Glycol concentration in the heat transfer medium (1-50)

Inlet temperature, °C

Outlet temperature, °C

**C2 - Direct expansion cooling section \***

Value

Temperature of air leaving the AHU, °C

Heat exchanger capacity, kW (DO NOT FILL IF ABOVE ROW IS FILLED)

Condensation temperature, °C

Evaporation temperature, °C

Refrigerant type

Number of refrigerant circuits

**Filter sections: \***

G4 M5 M6 F7 F8 F9 E10 E11 E12 H13 H14

Fresh air

Exhaust air

**Humidifying section:**

HUM1 - steam humidification

HUM2 - humidification by high-pressure water

No humidification

**HUM1 - steam humidification: \***

Value

Inlet air temperature, °C

Inlet air RH, %RH

Outlet air RH, %RH

**HUM2 - humidification by high-pressure water: \***

Value

Inlet air temperature, °C

Inlet air RH, %RH

Outlet air temperature, °C

Outlet air RH, %RH

**Sound attenuating sections:**

SOU1 - Supply air attenuating

SOU2 - Extract air attenuating

**Do you want the AHU to come with built-in control: \***

Yes

No

**Control board position: \***

On AHU

Separated:

**distance from AHU: \***

in meters

**Fans frequency inverters: \***

Yes

No

**Inverters position: \***

In the control board

On the AHU

Inside the fan sections

**Remote control: \***

No

Yes

Control and monitoring by BMS

**Remote control type: \***

Monochrome display

Room controller with display

7" touchscreen

**Distance between remote control and control board: \***

in meters

**BMS Protocol: \***

Modbus RTU

BacNet

Mbus

LonWorks

**AHU to be controled based on: \***

- Room temperature
- Supply air temperature
- Room humidity

**Room temperature: \***

in C

**Supply air temperature: \***

in C

**Room humidity: \***

in %RH

**Supply air temperature limit: \***

From:

To:

Temperature, °C

**Supply air RH limit:**

From:

To:

Humidity, % RH

**Air quality sensors: \***

- Yes, VOC
- Yes, CO2
- No

**Free cooling: \***

- Yes
- No

**Time schedule: \***

- Yes

No

**Air flow sustainability in case of dirty filters: \***

Yes

No

**Other requirements:**

describe them as detailed as you can