

BASIC AHU DATA

Project name	<input style="width: 100%;" type="text"/>
Installation address:	<input style="width: 100%;" type="text"/>
Position in project, unit designation:	<input style="width: 100%;" type="text"/>
Unit type:	<input style="width: 100%;" type="text"/>
Unit serial number:	<input style="width: 100%;" type="text"/>
Unit location - floor / room:	<input style="width: 100%;" type="text"/>

If the unit contains a higher number of sections of one type, enter the same data for each additional section separately on the back of this protocol. If the unit does not contain the given section, cross out the relevant section.

Legend: ✓ - yes, OK; X - no, it's not OK; — - not fitted

UNIT IN GENERAL

- Unit is installed horizontally
- Waterproof floor
- Unit clearances from obstructions maintained
- Clearance of inspection openings
- section connections - tightness, workmanship
- Cleanliness of unit inside and outside

THERMOMETERS AND OTHER SENSORS

- Correct location and function of:
- Outdoor air thermometer
 - Supply air thermometer
 - Extract air thermometer
 - Exhaust air thermometer
 - Other: _____
 - Other: _____

SUPPLY DAMPER

- Damper mobility
- Correct direction of rotation, actuator functional
- Tightness in closed position

EXHAUST DAMPER

- Damper mobility
 - Correct direction of rotation, actuator functionalit
 - Tightness in closed position
- ### MIXING DAMPER
- Damper mobility
 - Correct direction of rotation, actuator functionalit
 - Tightness in closed position

FILTER SUPPLY - I. STAGE

- Pressure switch setting Pa
- Correct clogging reporting function

FILTER SUPPLY - II. STAGE

- Pressure switch setting Pa
- Correct clogging reporting function

FILTER SUPPLY - III. STAGE

- Pressure switch setting Pa

- Correct clogging reporting function

FILTER EXHAUST - I. STAGE

- Pressure switch setting Pa
- Correct clogging reporting function

FILTER EXHAUST - I. STAGE

Pressure switch setting Pa
 Correct clogging reporting function

PLATE HEAT EXCHANGER

Bypass damper mobility
 Correct direction of rotation and functionality of the bypass actuator
 Proper execution of the condensate drain

ROTARY HEAT EXCHANGER

Belt tension
 Correct adjustment of rotor sealing elements
 Free rotation of the rotor
 Rated motor current A
 Y/D motor wiring
 Operating current at 100% speed A
 Correct direction of rotor rotation

WATER HEATER

Hydraulic circuit tightness
 Counter current connection of the exchanger
 Type of capillary frost protection
 Frost protection capillary setting °C
 Correct fitting and function of the return water thermometer
 Correct fitting and function of the valve actuator
 Correct fitting and functionality of the pump

FROST PROTECTION FUNCTION CHECK

Outdoor air damper closure
 Starting the circulation pump
 Fan shutdown
 Opening the water valve

ELECTRIC HEATER

Emergency thermostat setting °C
 Emergency thermostat function test
 Operating thermostat setting °C
 Operating thermostat function test
 Fan time for aftercooling s

GAS HEATER

Emergency thermostat setting °C
 Emergency thermostat function test
 Operating thermostat setting °C
 Operating thermostat function test
 Fan thermostat setting °C
 Fan thermostat function test
 Bypass damper movement and adjustment
 Correct direction of rotation and functionality of the bypass actuator
 Run test and failure reporting
 Fan time for aftercooling s

WATER COOLER

Hydraulic circuit tightness
 Counter current connection of the exchanger
 Proper execution of the condensate drain
 Correct fitting and function of the valve actuator
 Correct fitting and functionality of the pump

DIRECT COOLING / INVERTER

- Proper execution of the condensate drain
- Condensing unit control
(On/Off, 0-10V, Modbus)
- Control type (power, temperature)
- Condensing unit type
- Heating operation test
- Cooling operation test
- Fault reporting test

HUMIDIFIER

- Proper execution of the condensate drain
- Humidifier control
(On/Off, 0-10V, Modbus)
- Humidifier type
- Run test
- Fault reporting test

FAN SECTION SUPPLY

- Free rotation of the fan
- Rated motor power kW
- Rated motor current A
- Y/D motor wiring
- Thermal contact / PTC thermistor connected
- Correct direction of fan rotation
- Operating current at 100% speed A
- Frequency at 100% speed Hz
- Minimum operating frequency Hz
- Run-up time - ramp s

VENTILÁTOROVÁ KOMORA ODVOD

- Free rotation of the fan
- Rated motor power kW
- Rated motor current A
- Y/D motor wiring
- Thermal contact / PTC thermistor connected
- Correct direction of fan rotation
- Operating current at 100% speed A
- Frequency at 100% speed Hz
- Minimum operating frequency Hz
- Run-up time - ramp s

LAN, BMS CONNECTION

Configured IP address, protocol, ...

OPERATIONAL SETTINGS

- Air flow at 100% speed -
- Supply m³/h
- Exhaust m³/h
- Noise and vibration of unit OK
- Temperature control (according to supply, exhaust, reference temperature)
- Day settings: air flow, temp., humidity, from-to, ...

Night settings: air flow, temp., humidity, from-to, ...

Other findings:

Air handling unit is put into

- preliminary operation.
- continuous operation
- cannot be put into operation

Installation and commissioning performed by:

Date:

Name (company)

Signature

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Authorized representative of the customer, who was informed about the condition of the air handling unit and with the outcome of this protocol.

Took over on (date):

Name (company)

Signature

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Send the completed form to zaruka@cic.cz