

ClimaPro

Industrial & Commercial HVAC systems

OUTDOOR AIR HANDLING UNIT

CLIMAPRO 20RW



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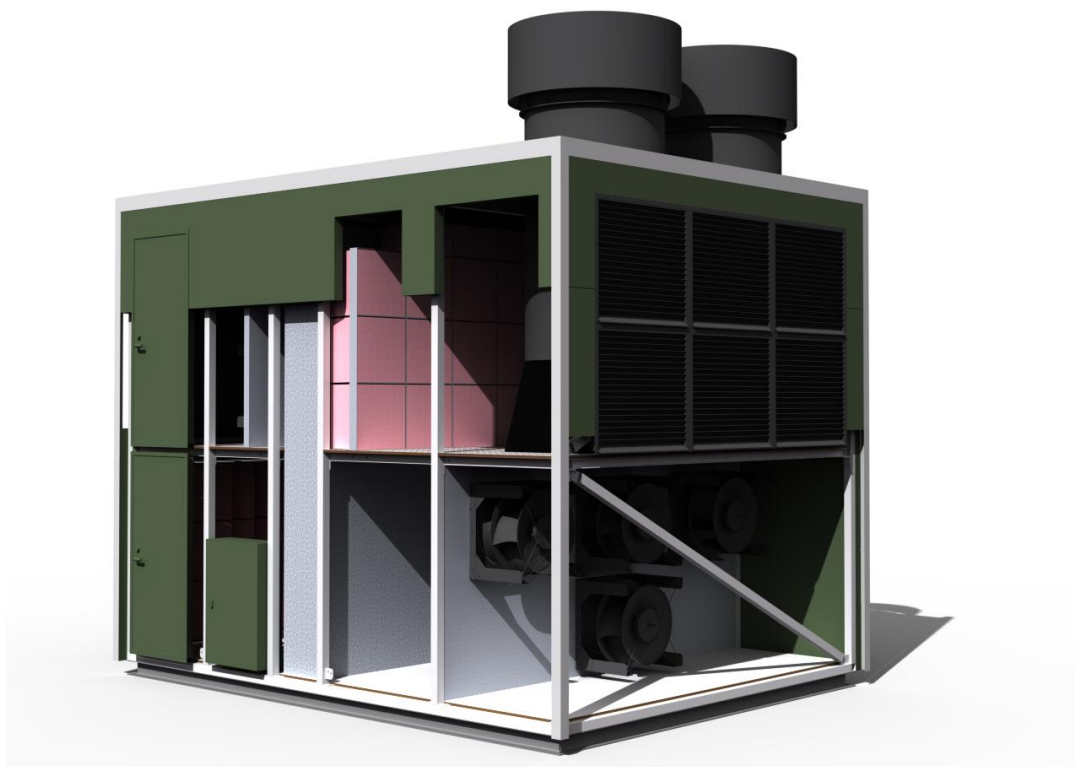
This outdoor ventilation unit features both inlet and exhaust airflows and is equipped with a high-efficiency heat recovery system.

Designed for optimal energy savings, it recycles heat from the exhaust air to precondition the incoming fresh air, ensuring a comfortable indoor environment while reducing energy costs.

Its durable construction is weather-resistant, making it ideal for outdoor installations to save space on the machine floor.

It is an excellent solution for new constructions and for enhancing the indoor climate in existing manufacturing facilities.

The unit is easy and fast to install.



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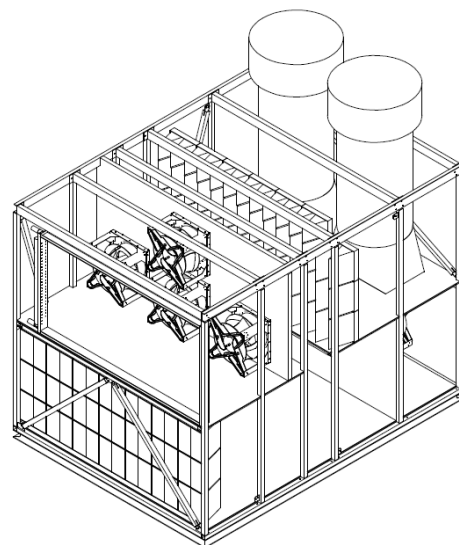
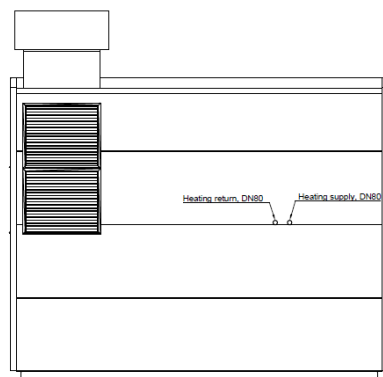
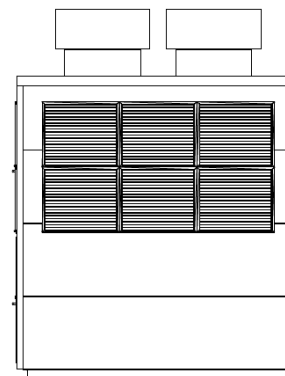
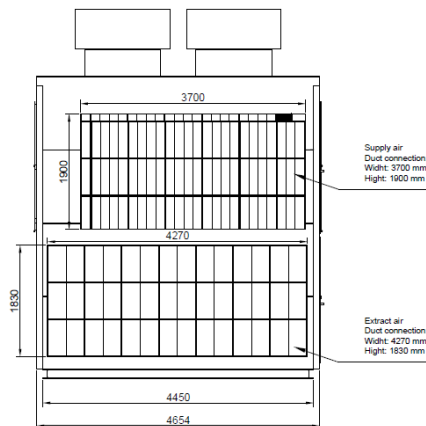
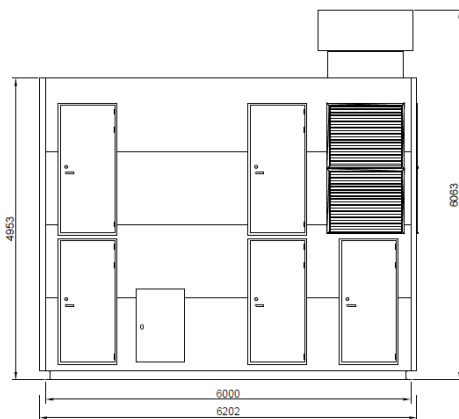
Tecnical specification			
Product name	ClimaPro 20RW	Air handling unit for outdoor installation	Supply & Extract air
Air flow/Pressure	20 m ³ /s, * External pressure 300 pa		
Filter	Supply air	21 x (592x592x535) F7-ePM1 60%	6 x (287x592x535) F7-ePM1 60%
Filter	Extract air	21 x (592x592x535) F7-ePM1 60%	
Duct connection	Supply air	3700x1900 mm	
Duct connection	Extract air	4270x1830 mm	
Heating coil (effect, temp, flow,pressure)	350kW, +50/30 °C, 4.14 l/s, 20 kPa	2 x 3" connections	
Rotary heat exchanger (dimension/effect)	4000ø mm, 1091 kW (temperature dependent)		
Air temperature (Exchanger/Heating coil)	-29-8.6 °C / 6-20 °C		
Electrical connection	400V, 50Hz, 60kW		
Dimensions (l , w, h)	6200 x 4650 x 6000		
Weight	- kg		
Construction (frame)	Steel		
Outer shell (wall,roof,floor)	Sandwich panel 100 mm insulation	Mineral wool or polyuretan	
Options	**automatic rotor-wash, heat pump		

Notes:

* Available duct pressure

**Unit will be tailored for customer specific requirements.

MAIN DIMENSIONS:



ClimaPro <small>UJ-SINODOROVNÝ ÚSTAV PRO VEŠTĚNÍ A TECHNICKÉ PRÁČE, IČ 69270, LITVĚČ</small>		Příslušenství Climapro 20RW Mittapirustus	Měřítko: 1:50
		Datum: JSI 11.02.2025	Datum: JSI 11.02.2025
Proj. JSI	Datum: PSS 11.02.2025	Příslušenství číslo: 20RW-401	

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Control and Monitoring:

Cabling and Wiring: The unit comes pre-cabled, with all wiring connected to a central junction box

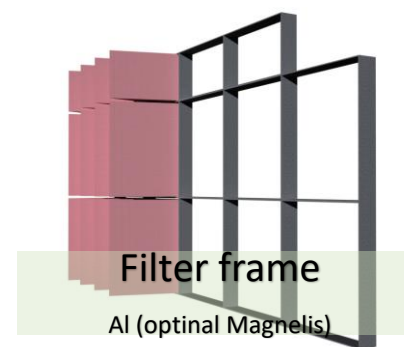
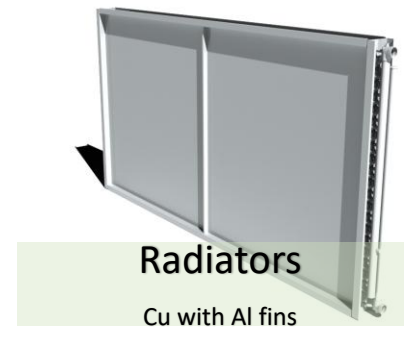
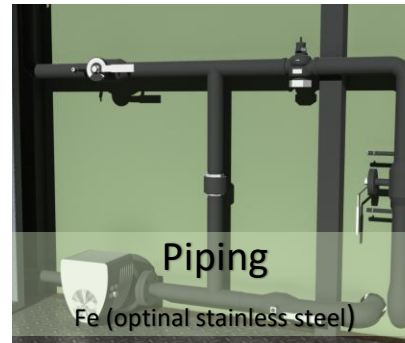
Control Options: Various control systems are available, including automatic and remote options. It can also be customized to integrate with customer-specific systems if desired.

Sensors: Essential sensors for monitoring filters, speed, and heat control are included with the delivery

Connectivity: Wired or wireless connectivity (Modbus, BACnet).



Materials:



Heat recovery:

Heat Recovery: The technology enables the recovery of up to 90% of heat energy, providing significant energy savings..

Rotary Heat Exchanger: The rotary heat exchanger is the top choice for heat recovery and the standard selection for this unit. It is available with optional surface treatments tailored to specific applications and can be equipped with automated cleaning using water or air, ensuring reliable operation even in dirty environments.

Radiators: Optional



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