

# ClimaPro

Industrial & Commercial HVAC systems



OUTDOOR AIR HANDLING UNIT

**CLIMAPRO 10RW**

**CLIMAPRO AB OY**

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68570 Larsmo  
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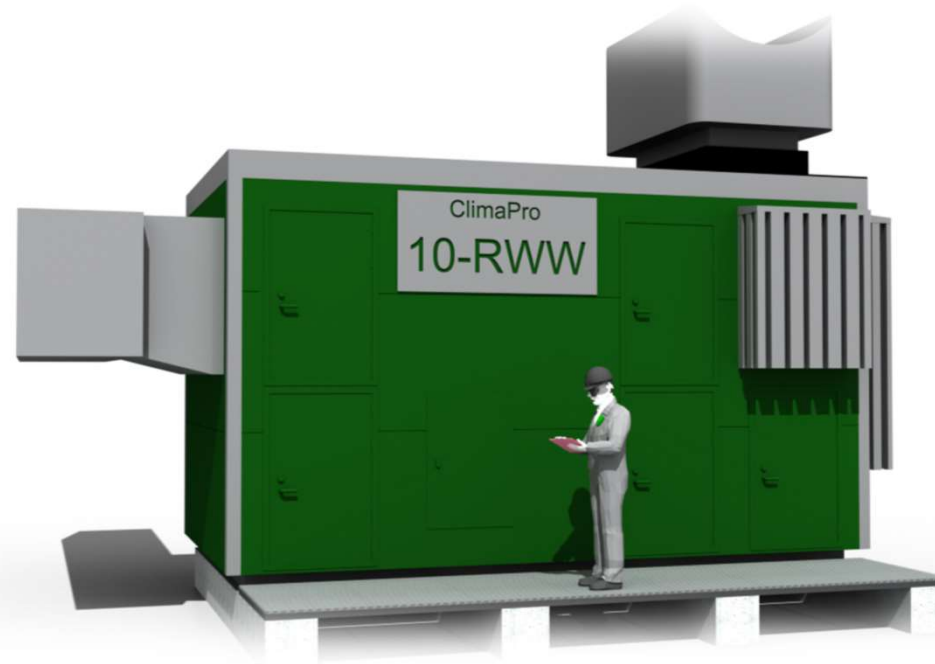
*This outdoor ventilation unit features both inlet and exhaust airflows and is equipped with a high-efficiency heat recovery system.*

*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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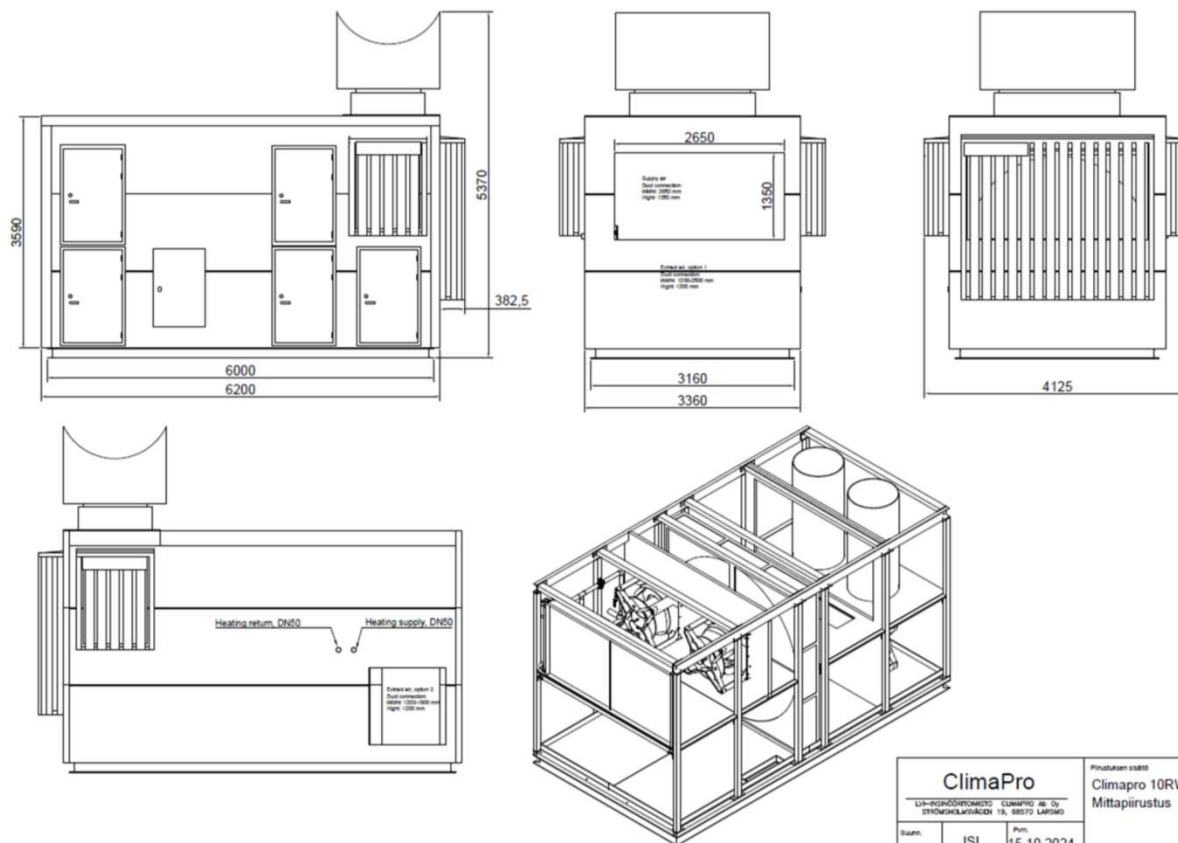
Tecnical specification			
Product name	ClimaPro 10RW	Air handling unit for outdoor installation	Supply & Extract air
Air flow/Pressure	10 m <sup>3</sup> /s, * External pressure 300 pa		
Filter	Supply air	10 x (592x592x535) F7-ePM1 60%	4 x (287x592x535) F7-ePM1 60%
Filter	Extract air	10 x (592x592x535) F7-ePM1 60%	4 x (287x592x535) F7-ePM1 60%
Duct connection	Supply air	2650x1350 mm	
Duct connection	Extract air	1200x1200 mm (variable)	
Heating coil (effect, temp, flow, pressure)	120kW, +50/30 °C, 1.45 l/s, 20 kPa	2 x 2" connections	
Rotary heat exchanger (dimension/effect)	2800ø mm, -650 kW (temperature dependent)		
Air temperature (Exchanger/Heating coil)	-29-11 °C / 11-20 °C		
Electrical connection	400V, 50Hz, 30kW		
Dimensions (l, w, h)	6600 x 4120 x 5000		
Weight	7000 kg		
Construction (frame)	Steel		
Outer shell (wall, roof, floor)	Sandwich panel 100 mm insulation	Mineral wool or polyuretán	
Options	**Automatic rotor-wash, heat pump		

**Notes:**

\* Available duct pressure

\*\*Unit will be tailored for customer specific requirements.

### MAIN DIMENSIONS:



<b>ClimaPro</b>		Produktin nimi Climapro 10RWW	Skala 1:50
LIIKENNÖHJEKORTTI: OULUN KAUPUNKI, OULUN KAUPUNKI, OULUN KAUPUNKI		Produktin numero Mittapirustus	
Maan.	JSI	Pvm. 15.10.2024	
Pik.	JSI	Pvm. 15.10.2024	
Tek.	PSS	Pvm. 15.10.2024	Produktin numero 10RWW-401

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## Connections:

Inlet duct: 120 cm x 120 cm

Outlet duct: 260 cm x 130 cm

Piping: DN50 flange x 2

## Electricity:

Un = 400 VAC, 50 Hz

In = 63 A

Ik = 6 kAmp



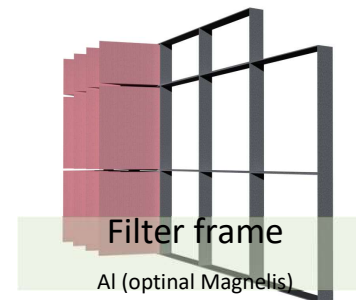
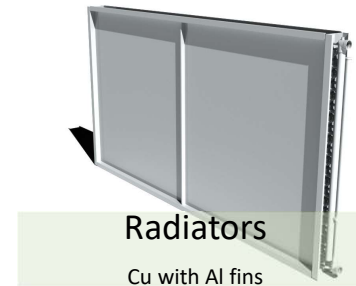
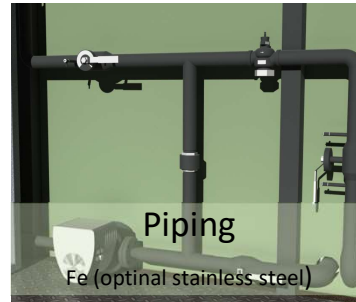
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## Materials:

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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).



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## 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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