

MADE BY



IT'S TIME FOR A REVOLUTION



ZEVO MAX II

SUPERIOR CLIMATE CONTROL
FOR PROFESSIONAL INDOOR GROW ENVIRONMENTS



THE FUTURE OF COOLING
JUST GOT COOLER.

STEADY-STATE CLIMATE SIMULTANEOUS COOLING, HEATING, DEHUMIDIFICATION & AIRFLOW – SEAMLESSLY CONTROLLED. THAT'S COOL!



TEMPERATURE & HUMIDITY IN ONE
One System, One Control



UNMATCHED CLIMATE STABILITY
No temperature or humidity swings



SCALABLE & ADAPTABLE
Fits any grow environment, small to large scale

The RevomaxII is the all-in-one solution for a perfectly regulated indoor climate. With simultaneous, precise control over temperature and humidity, it eliminates fluctuations and ensures a perfectly balanced environment. Its scalable and flexible design fits any grow setup, from small to large. As a true revolution in climate control, the Revomax sets a new standard for efficiency, reliability, and optimal growth.

REVOMAX II

A stable and precisely regulated climate is essential for successful indoor cultivation. The RevomaxII, equipped with our advanced Infinity DC inverter technology, offers the widest capacity range among all climate control systems. Unlike conventional HVAC units that cannot operate below 60%, the RevomaxII modulates cooling capacity down to 20-30%, preventing unnecessary on-off cycles. This ensures minimal temperature and humidity fluctuations, optimized energy efficiency, and a consistently ideal growing environment—365 days a year.

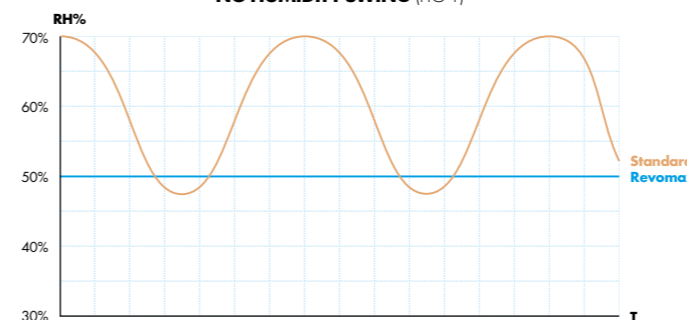
MINIMUM COOLING CAPACITY (%) - LOWER IS BETTER



LINEAR DEHUMIDIFICATION TECHNOLOGY

A standard HVAC unit cannot regulate humidity, resulting in large humidity fluctuations. With the RevomaxII, deviations are limited to a minimum*, ensuring constant humidity and eliminating swings. (fig 1)

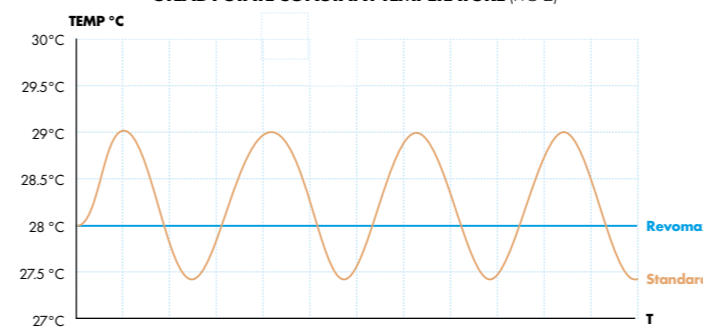
NO HUMIDITY SWING (FIG 1)



ADVANCED STEADY-STATE TEMPERATURE & HUMIDITY CONTROL

The temperature remains stable with no fluctuations, consistently staying within $\pm 0.8^{\circ}\text{C}$ of the setpoint (Fig 2).

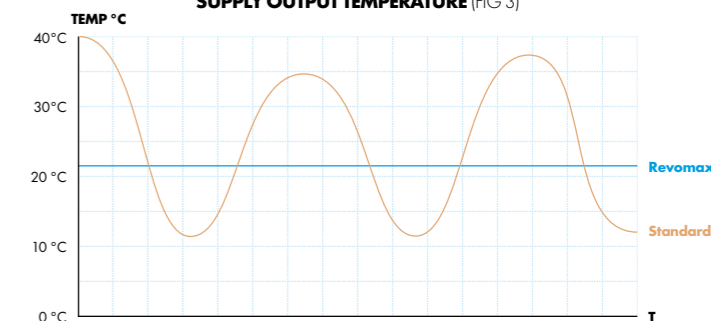
STEADY STATE CONSTANT TEMPERATURE (FIG 2)



* Assuming sufficient humidity is present for dehumidification.

In standard setups where temperature and humidity are managed separately—often with a dedicated HVAC unit along with a separate dehumidifier—output temperature can fluctuate between 10°C and 40°C , depending on indoor conditions. The RevomaxII eliminates these swings by maintaining a stable output temperature with minimal swings of the setpoint, ensuring a controlled environment. This is crucial for many plant species, such as leafy greens and herbs, where temperature fluctuations can cause stress. With this advanced stability, the RevomaxII supports a wider range of applications and crops, optimizing growth conditions year-round. (Fig 3)

SUPPLY OUTPUT TEMPERATURE (FIG 3)



The ultra-precise, simultaneous control of temperature and humidity is made possible by our patented double EEV technology—exclusive to RevomaxII. This sets a new standard in climate stability and flexibility, ensuring unmatched controllability for any growing environment.

OPTIMIZED FOR LED GROWING – FASTER WARM-UP, MAXIMUM PHOTOSYNTHESIS

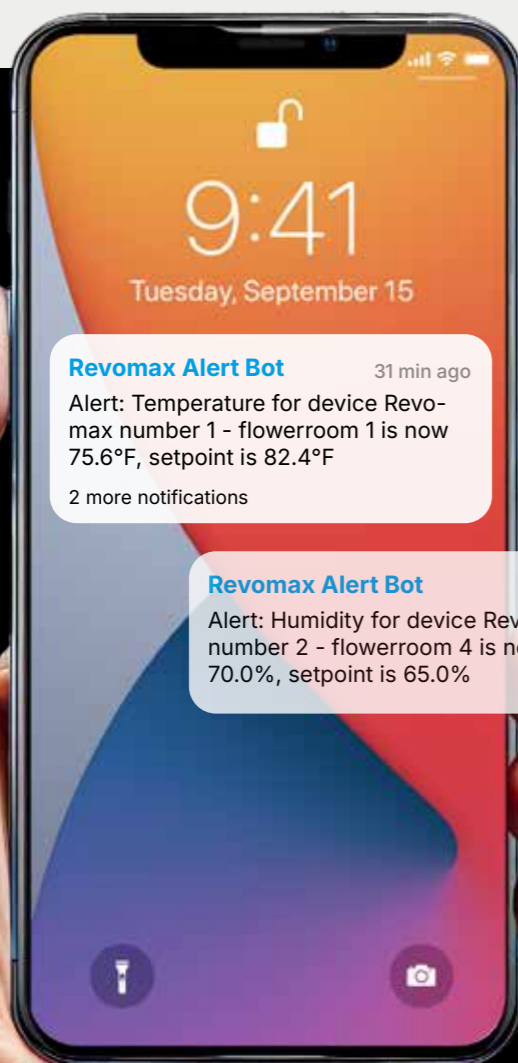
The RevomaxII is specifically designed for LED growing environments. When LEDs are switched on, the room temperature rises gradually, which can slow down optimal photosynthesis. RevomaxII solves this by using its DC compressor in heating mode, rapidly bringing the room to the ideal temperature without external electrical heaters. This ensures plants reach peak photosynthesis as quickly as possible. Meanwhile, the dehumidification process remains active, keeping humidity perfectly controlled during heating.

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FULL CONTROL & MONITORING

The 7-inch Smart Remote Controller comes standard and can be operated via WiFi, LAN & Anydesk. Easily adjust settings, monitor performance and receive notifications for errors or alarms.



UNIQUE FEATURE IN CLIMATE CONTROL: REAL-TIME PUSH ALERTS

With the RevomaxII, you stay in full control, anytime, anywhere. Instant push notifications alert you the moment temperature or humidity moves outside your setpoints.

No more manual checks or unexpected issues. Get real-time alerts on your phone and react immediately to keep your climate perfectly stable. Turn on push alerts today and manage your environment smarter and safer.

REVOMAX II

BY OPTICLIMATE

The RevomaxII is a climate control system developed entirely on the company's own premises. This resulted in a completely optimised and efficient product which enables the climate to be adjusted to perfection while consuming as little energy as possible.

The RevomaxII is the only true all-in-one solution for indoor climate management, uniquely designed to simultaneously cool or heat, dehumidify, and circulate air. No longer dependent on outside temperatures, it ensures a perfect, stable climate year-round—even during extreme heat waves. By optimizing air distribution throughout the grow room, it maintains a consistent temperature, precisely adjusted to your settings and continuously regulated for optimal growing conditions.

ENHANCED AIR QUALITY & SUPERIOR HUMIDITY CONTROL

Humidity is present in every environment and can negatively impact both productivity and plant health. Excess moisture can lead to mold, rot, rust, musty odors, dust mites, and allergies, making humidity control essential for an optimal indoor climate. The RevomaxII ensures precise humidity regulation, even under extreme conditions.

Unlike other water-cooled HVAC systems, which dehumidify only during cooling cycles, the RevomaxII continues to dehumidify even after the target temperature is reached. This unique capability prevents excessive atmospheric humidity, ensuring a stable, controlled growing environment where plants can thrive.

PROVEN, OFF-THE-SHELF SOLUTION – EASY INSTALLATION & MINIMAL RISK

The RevomaxII is a standard, off-the-shelf solution, making it easy to install for any experienced HVAC installer without the need for extensive engineering or high upfront design costs—unlike large-scale custom-built systems. Its proven track record in numerous indoor farms ensures reliability and minimizes risk. With a tailor-made solution, there's always uncertainty about its effectiveness in a real-world setting, as it's the first time it's being implemented. The RevomaxII eliminates that uncertainty, providing a trusted, field-tested climate solution from day one.

MOST SAFE SYSTEM

The RevomaxII system has all kinds of built-in functions that ensures its superior climate control.



The **built-in temperature protection** disconnects heat sources when the set maximum temperature is exceeded. E.g. when the water supply is obstructed. A fire could occur without this device.



If the water sensor comes into contact with the water, the **built-in water leak safeguard** ensures the water supply is cut off. This may occur, in the event of a burst pipe, broken link or connection, or a blocked sewer.



The RevomaxII is **fireproof**; all of the electrical components including the heating and connections are contained in the steel housing.

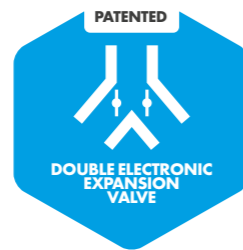


The RevomaxII has an **alarm outlet for sending an e-mail in the event of an error message**. The RevomaxII has a built in remote control feature made possible by WIFI or LAN.



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WHY CHOOSE REVOMAXII BY OPTICLIMATE?



- Digital inverter technology, widest capacity range 30-100%
- Intelligent steady state temperature and humidity logic
- Optimised for LED horticulture growing The perfect climate control all year round
- Cooling, heating, dehumidifying, circulating and filtering in one device
- Photocell; the photocell automatically activates the cooling mode in the morning and the heating/dehumidifying mode at night
- Simply enter the day and night temperature and RevomaxII will do the rest; it doesn't get easier
- The quietest system available
- Relatively low energy consumption
- Dehumidifying possible day and night
- Adjustable cooling input
- Ceramic heating + heat pump mode heating
- Built-in temperature and water leakage safety switch optional
- Clear and detailed remote control
- Could be remote controlled by WIFI or LAN
- Fire-safe!
- Pre-heat function
- Slow cool-down function
- Alarm log function
- Invisibly concealed
- Deep cooling possible, temperatures below 10°C

REVOMAXII

SPECIFICATIONS

MODEL	6000 REV2	10000 REV2	15000S REV2	15000 REV2	21000 REV2	30000 REV2
Nominal Power Capacity - kWatt	6 kW	10 kW	15 kW	15 kW	21 kW	30 kW
Maximum Power Capacity - kWatt	7 kW	12 kW	19 kW	19 kW	23 kW	35 kW
De-humidification Capacity - Liters/24Hrs*	85 L	105 L	165 L	165 L	230 L	315 L

ELECTRICITY

Power Supply - Volt	230V-400V	230V-400V	230V-400V	400V	400V	400V
Phase	1 or 3	1 or 3	1 or 3	3	3	3
Compressor (inverter) - Volt	DC (230V)	DC (230V)	DC (230V)	DC (400V)	DC (400V)	DC (400V)
Compr. Freq. Min (Max) - Hz	30 (110) Hz	30 (90) Hz	30 (85) Hz	30 (85)Hz	30 (85) Hz	30 (85) Hz
Fuse MCB single-phase (3-phase)	C32 (C20)	C40 (C25)	C63 (C40)	C25 3ph+N	C32 3ph+N	C50 3ph+N
Total 3-Phase Ampere	17 A	24 A	n/a	23 A	27 A	36 A
Total 1-Phase Ampere	28 A	38 A	68 A	n/a	n/a	n/a
Cable diameter (mm) 3 phase	2,5 mm ²	4 mm ²	10 mm ²	6 mm ²	6 mm ²	10 mm ²
Cable diameter (mm) 1 phase	6 mm ²	6 mm ²	25 mm ²	n/a	n/a	n/a
Internal Glass Fuse Heater (3x) - Ampere	16 A	16 A	16 A	16 A	16 A	16 A
Internal Glass Fuse Main - Ampere	5 A	5 A	5 A	5 A	5 A	8 A
Power Factor cos φ	0,9	0,9	0,9	0,9	0,9	0,9

COOLING & HEATING

Nominal (cooling) rated power - kWatt	1,3 kW	2,1 kW	5,0 kW	5,0 kW	6,0 kW	9 kW
Max cooling rated power - kWatt	1,9 kW	3,5 kW	6,5 kW	6,5 kW	6,3 kW	9 kW
Max current (cooling) - Ampere	9 A	16 A	30 A	16 A	20 A	25 A
Electrical Heating Power - kWatt	3 × 1,3 kW	3 × 1,6 kW	3 × 2,7 kW	3 × 2,7 kW	3 × 2,7 kW	3 × 3,7 kW
Electrical Heating Current - Ampere	3 × 5,5 A	3 × 8,0 A	3 × 13,0 A	3 × 13,0 A	3 × 13,0 A	3 × 16,0 A
De-Humidify 20 degrees WB - kg	5 kg	8 kg	12 kg	12 kg	17 kg	19 kg
Coefficient of Performance COP	4,6	4,6	3,2	3,5	3,5	3,3
Total max power cap. (heating& cooling)	10,9 kW	16,8 kW	17,6 kW	17,6 kW	17,6 kW	26,1 kW

AIRFLOW

Rated Air Flow m ³ /h	1100 m ³ /h	1600 m ³ /h	2450 m ³ /h	2450 m ³ /h	3100 m ³ /h	5000 m ³ /h
Static Pressure Pascal	100 Pa	100 Pa	100 Pa	100 Pa	200 Pa	200 Pa

REFRIGERANT

Type	R410A	R410A	R410A	R410A	R410A	R410A
Charge Volume - kg	2,3 kg	2,7 kg	3,45 kg	3,85 kg	4,4 kg	6,0 kg
GWP number	2088	2088	2088	2088	2088	2088
CO2 Equivalent - Ton	4,8	5,64	7,2	7,2	9,19	12,53

FLOW DEMAND COLD WATER (25 DEG. CELCIUS MAX)

Cooling mode - Liters/min	2,0 - 4,0 L/min	3,0 - 6,0 L/min	3,0 - 10,0 L/min	3,0 - 10,0 L/min	3,0 - 12,0 L/min	3,0 - 20,0 L/min
Heating mode - Liters/min	0,0 - 4,0 L/min	0,0 - 6,0 L/min	0,0 - 10,0 L/min	0,0 - 10,0 L/min	0,0 - 12,0 L/min	0,0 - 20,0 L/min

FLOW DEMAND RECIRCULATING WATER

Cooling mode - m ³ /hour	1,2 m ³ /h	2 m ³ /h	3 m ³ /h	3 m ³ /h	4,5 m ³ /h	6 m ³ /h
Heating mode - m ³ /hour	1,2 m ³ /h	2 m ³ /h	3 m ³ /h	3 m ³ /h	4,5 m ³ /h	6 m ³ /h

WATER TEMPERATURE LIMITS

Temp In (recirculating) - ° Celcius Max	25 (55) °	25 (55) °	25 (55) °	25 (55) °	25 (55) °	25 (55) °
Temp Out (recirculating) - ° Celcius Max	65 (65) °	65 (65) °	65 (65) °	65 (65) °	65 (65) °	65 (65) °
Delta (recirculating) - ΔT	5 °	5 °	5 °	5 °	5 °	5 °

SIZE (L x W x H CM)	91x57x44 cm	99x67x49 cm	114x70x54 cm	114x70x54 cm	122x82x59 cm	148x86x74,9 cm
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WEIGHT KG	79 kg	94 kg	124 kg	124 kg	181 kg	232 kg
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* measured at 27 degrees Celcius / 60 % humidity



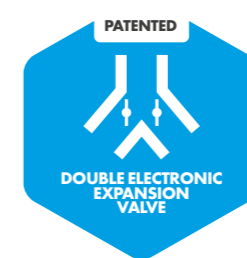
REVOMAX II FREE AIR

BY OPTICLIMATE

Where the RevomaxII is made to distribute the air through a ducting system or air distribution hoses, the RevomaxII Free Air is made to blow it out freely. The RevomaxII Free Air is designed in such a way that it takes up as little volume as possible and thus takes up as little space as possible and at the same time intercepts as little light as possible.

The specialized fans have a reach of up to 30m, allowing the Free Air models to be mounted on the grow room wall. This enables climate control without the need for air distribution hoses above the crop.

All the features that the RevomaxII has are also available for the Free Air version.





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Engineered & Designed in Holland

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