

OPTIMAL CLIMATE CONTROL

OPTICLIMATE

PRO3 & PRO4 SERIES



INVISIBLE CLIMATE CONTROL FOR YOUR

HOME, HISTORIC BUILDING, HOUSEBOAT OR YACHT



**NO
EXTERNAL UNIT!
CAN BE PLACED
ENTIRELY
OUT OF SIGHT!**

**REUSE
WARM WATER
FOR YOUR
HEATING
OR SWIMMING
POOL**

**CAN BE
OPERATED AND
ALARMED
REMOTELY**

When temperatures outside are rising, it's nice to be cooler inside!

AirSupplies has developed the innovative climate control system OptiClimate so you can enjoy the ideal climate in your home, office, houseboat or yacht. The water-cooled OptiClimate cools with tap water using an automatic control valve or other water source via a bypass. This system does not require any external unit outside.

The OptiClimate is easy to install, even in a smaller space. Its flat design enables the unit to be completely concealed, for example, in a suspended ceiling or under a sofa in a yacht. The ventilator can be placed either on the side or the front.

Humidity is everywhere in the air and can have a negative effect on your way of life and productivity. Humidity can be very damaging and can cause mould, rot, rust and a musty odour. Too much humidity can lead to dust mites and allergies. It is therefore essential for an optimal indoor climate to manage humidity. The OptiClimate helps you to create the ideal humidity under the most extreme circumstances.

Historic buildings

The water-cooled OptiClimate is specially designed for managing the climate in residential or working areas where an external unit is not desired or permitted such as in the case of historic buildings.

Residential, holiday or business premises

The heated water coming out of the water-cooled OptiClimate can be reused to heat up a room, swimming pool or jacuzzi.

Houseboat or yacht

Use the water-cooled OptiClimate as a solution for controlling the climate onboard practically any vessel. By way of a bypass, both fresh and salt water can be used to manage your environmental climate. The used water will be recycled.

Why a water-cooled OptiClimate?

- ✓ No external unit required with the water-cooled OptiClimate
- ✓ The water-cooled OptiClimate has a unique bypass for using tap water or other water source
- ✓ Reuse the warm water from the water-cooled OptiClimate for your heating, swimming pool or jacuzzi and save costs
- ✓ You will use less power by using water as a cooling medium instead of air
- ✓ Includes built-in temperature and water leak protection
- ✓ Automatic water control valve for efficient water use

OPTIMAL CLIMATE CONTROL FOR YOUR

STORAGE, CONTROLLED GROWING ENVIRONMENT OR CLIMATE CHAMBER



CAN BE OPERATED AND ALARMED REMOTELY

VERY HIGH DEHUMIDIFICATION CAPACITY

AVAILABLE IN WATER AND AIR COOLED



With the climate control systems from OptiClimate, you will be investing in a technically-advanced and sustainable solution for creating the optimal climate in all conceivable applications.

The OptiClimate offers the optimal climate and the optimal humidity for every setting. The OptiClimate has a very high dehumidification capacity. The OptiClimate is the solution for industrial production, critical processes and/or storage with specific requirements on humidity.

The OptiClimate climate control system is very suitable for environments such as storage-specific storage, controlled growing environments, climate chambers, the food industry, large kitchens,

canteens, changing rooms, saunas, fitness studios, museums or garages for classic cars. Depending on the setting and specific requirements, you can choose between PRO3 or PRO4 and the water-cooled or air-cooled model.

Water-cooled or air-cooled?

The OptiClimate is available in both models. The air-cooled model uses an external unit. The water-cooled version can be easily connected to the tap water system. If you prefer another water source, this is also possible via a unique bypass connection.

Climate chambers

The OptiClimate has developed into the most extensive and reliable climate control system on the market and is very suitable for setting up a climate chamber. In a climate chamber, extreme climate conditions are created, for example, for specific requirements, storage, product tests, training purposes or for determining the ideal climate conditions for plants and seeds.

Drying chamber

The OptiClimate can be put to great use in a drying chamber. In a drying chamber, the material to be dried is placed in a closed space, container or tunnel and air from the OptiClimate is channelled through this space or container. The material to be dried can be placed in the drying chamber loose or in containers.

Product examples: animal feed, grain, powders, fruit, vegetables, charcoal, coal, zeolites, magnesium carbonate, silt, wood, China clay, pigments, dried sausage and meat products

Optimal growing

One of the most important elements for your crops is the management of the climate. Growing with an optimal return also starts with the greenhouse climate. Achieve the ideal climate for your greenhouse by using the OptiClimate. The OptiClimate is also very suitable for cattle feed systems and for growing sprout vegetables.

PRO4
UNPARALLELED POWER
AND EFFICIENCY
DEHUMIDIFICATION
FUNCTION

**PERFECT
CLIMATE CONTROL
IN SUMMER
AND WINTER**

OPTIMAL CLIMATE MANAGEMENT WITH **OPTICLIMATE**

The OptiClimate 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 OptiClimate is the only real all in solution for managing your interior climate and has the unique property of being able to cool or warm up or dehumidify, filter and circulate air at the same time. You are no longer dependent on the outside temperature and can experience the perfect climate, in summer and winter. You can even achieve the ideal temperature during a heat wave. The OptiClimate creates an optimal distribution of air in the room creating an even temperature. The temperatures can be exactly adjusted to your wishes and will be continuously maintained.

The OptiClimate is available in a water-cooled or air-cooled design. Both are available in a PRO3 and PRO4 version. The PRO4 has an extremely powerful and efficient dehumidification function. The 15000 model is also available with inverter technology.

Water-cooled

The water-cooled OptiClimate cools the air using water as a cooling medium and warms it up using ceramic heating elements. The OptiClimate has a water inlet and outlet, The inlet is connected to the water supply. The cold water is used to cool the air with the result that the water warms up from 35 to 50° C. This warm water is then channelled via the water outlet or recycled. This is ideal for cooling objects near water sources such as a canal house, a houseboat, yacht, swimming pool or greenhouse. The water-cooled OptiClimate is also perfect for historic buildings where no external unit may be installed. Do you have a house with a swimming pool? You can then use a water-cooled OptiClimate to cool your house and heat up the swimming pool.

Air-cooled with external unit (split unit)

The air-cooled OptiClimate (OptiClimate Split) works according to the same principle as the water-cooled design. The OptiClimate Split however uses air as the coolant instead of water. The OptiClimate Split has an external unit (split unit) at a maximum distance of 30 metres away. The split unit is supplied with flexible tubes and fast couplings. The installation does not require a refrigeration engineer. The split unit can easily be disconnected again.

Prevent harmful substances and unpleasant odours.

The built-in lightweight dust and carbon filter keep the interior components dust-free and so-called volatile organic substances (VOSs) and disturbing smells such as solvents, softeners, cooking and food odours, smoke and body odours are absorbed. The dehumidification function also deals preventively with musty odours from mould formation due to condensation.

Dehumidifying air

The dehumidification functions of all other (water-cooled) air conditioning systems on the market work based on cooling. During cooling, the air is dehumidified, which is a natural phenomenon. If there is little warmth in the air, the required temperature is quickly reached and the air conditioning discontinues cooling and dehumidifying. This keeps atmospheric humidity high.

Compared to its competitors, the OptiClimate has the unique property of being able to dehumidify even after the desired temperature has been reached.



Dehumidifying with the PRO3

The OptiClimate PRO3 dehumidifies by continuously finding the right balance between warming and cooling. This enables the dehumidifying function to work even after the desired temperature has been reached. The dehumidifying capacity of the PRO3 is more than sufficient for most applications. This is one-and-a-half to twice as efficient as a building dryer.

Dehumidifying with the PRO4

The PRO4 has the innovative property of being able to continue to dehumidify using its own warmth without having to cool the air. This results in very low energy consumption. The PRO4 uses no water when dehumidifying. The PRO4 will quickly pay for itself in the case of frequent use in terms of power and water costs. The dehumidifying function of the PRO4 is incredibly strong and very efficient. The dehumidifying capacity is two-to-three times greater than that of a building dryer.

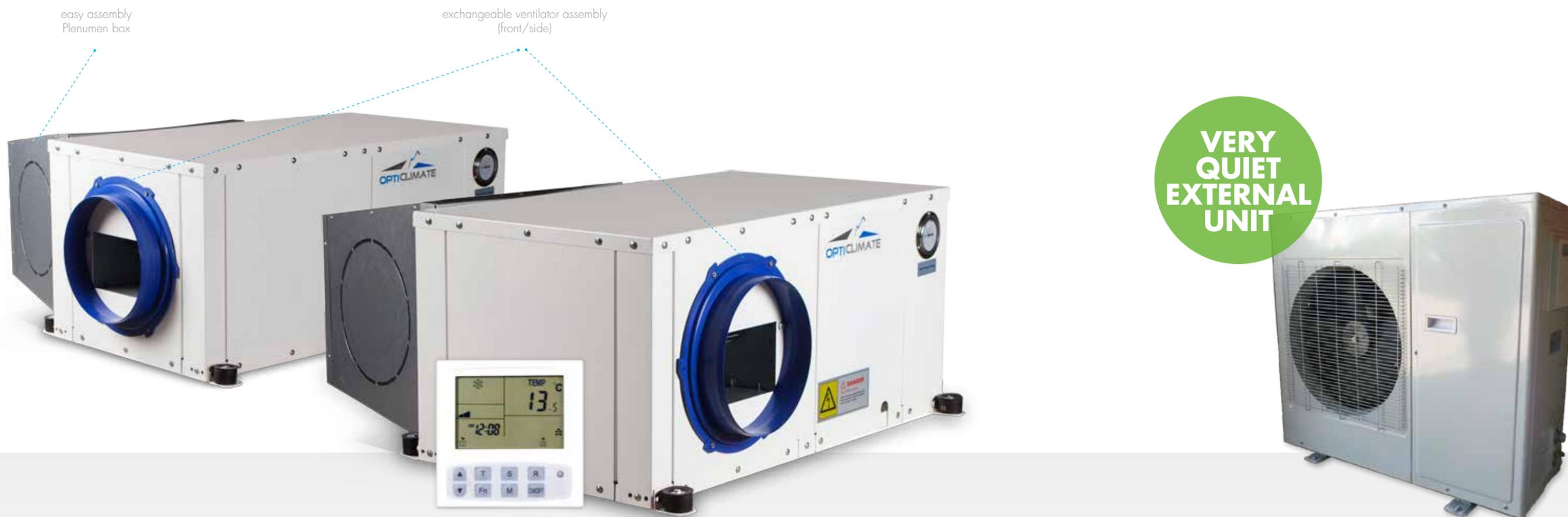
Operation and alarming at a distance

The newest OptiClimate's (2015) also has a communications port as well as an alarm outlet. With the purchase of an extra module, you can use a computer or smartphone to operate and read the OptiClimate remotely.

Inverter

Inverter technology ensures even control of the temperature and humidity. The Inverter enables the OptiClimate to continuously adjust the temperature smoothly to the set temperature. The OptiClimate Inverter reacts directly to the smallest differences between the set temperature and the current temperature. The inverter technology prevents the frequent switching on and shutting off of the compressor thus preventing peaks in the power supply. The OptiClimate Inverter therefore uses less water and power and creates a more even temperature and humidity. This technology also uses "soft start", the compressor speed is gradually increased thus preventing a high start-up current.

The OptiClimate Inverter has the unique property that this is multiphase meaning that the compressor can be connected to both 230-240V single-phase or 400V 3-phase. The Inverter will be available from October 2015 for all 15000 models.



The OptiClimate Pro Series the safest system.

- 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 OptiClimate is fireproof; all of the electrical components including the heating and connections are contained in the steel housing.
- The OptiClimate has an alarm outlet for sending an SMS alarm in the event of an error message. (requires a separate SMS module)

Properties and functions of the OptiClimate PRO3 and PRO4

- ✓ The perfect climate control in summer and winter
- ✓ Cooling, warming and dehumidifying the air circulating and filtering in one appliance
- ✓ Manual or fully automatic adjustment
- ✓ Enter the day and night temperature and the OptiClimate does the rest; it couldn't be simpler
- ✓ Light sensor for automatic switching between day and night programme
- ✓ Hygrostat for setting atmospheric humidity
- ✓ Unique air dehumidification function (with the PRO4, even if the air conditioning does not cool!)*
- ✓ Dehumidifying possible during the day, night and continuously
- ✓ The safest climate control system
- ✓ Relatively low energy consumption
- ✓ Easy to install
- ✓ Built-in temperature and water leak protection
- ✓ Automatic water control valve
- ✓ Automatic restart (following power cut)
- ✓ The Pre-Heat function ensures a pre-heated room during the transition from night to day
- ✓ The Slow Cooldown function ensures that the temperature does not drop too quickly from day to night*
- ✓ The Cool at night function ensures that even during the night, the room can be cooled (for example, during the summer or in the case of a warm climate)*
- ✓ With the Alarm log function, it is always possible to see what alarm has taken place. This function can prevent future problems.*
- ✓ SMS alarm possible in the case of malfunction
- ✓ With an external module and the Internet, the device can be operated and alarmed remotely, in any place and at any time*
- ✓ Can be placed completely out of sight
- ✓ The ventilator can be placed in two different positions*
- ✓ Built-in ceramic heating
- ✓ The built-in carbon filter absorbs mould spores and disturbing smells*
- ✓ Ideal for closed rooms
- ✓ Prevents the formation of condensation
- ✓ Includes clear, comprehensive remote control
- ✓ Additional plenum box available (for tube connection on the suction side)
- ✓ The Dual Room function allows two rooms to be cooled with one OptiClimate (With optional three-way valve and additional 10m temperature sensor)*
- ✓ You do not need an external unit with the water-cooled OptiClimate!
- ✓ The water-cooled OptiClimate has a bypass for using tap water or other water source*
- ✓ Reuse the warm water from the water-cooled OptiClimate for your heating, swimming pool or jacuzzi
- ✓ Very quiet external unit with the air-cooled OptiClimate
- ✓ The external unit for the air-cooled OptiClimate is delivered with flexible tubes and fast couplings, you no longer need a fitter
- ✓ The 15000 model now also with multiphase Inverter technology*

* Unique properties and functions; the OptiClimate is the only climate control system on the market that has this property/function.

SPECIFICATIONS

OPTICLIMATE

PRO3 & PRO4 SERIES

Art.	Type	Connection	Phase*	Power consumption	Cooling capacity	Dehumidifies capacity L/24h**	Cooling water consumption L/min***	Maximum watersaving****	Maximum powersaving****	Heating	Dimension cm	Weight
1-1000	2000PRO3	230V	1 of 2	500W	2000W	35	0,6 - 1,2	-	-	2x1300W	100x50x42	53kg
1-1001	3500PRO3	230V	1 of 2	740W	3500W	55	1,0 - 2,0	-	-	2x1500W	100x50x42	57kg
1-1002	6000PRO3	230V - 400V	1 of 3	1450W	6000W	100	2,0 - 4,0	-	-	3x1500W	115x53x43	80kg
1-1003	10000PRO3	230V - 400V	1 of 3	2150W	10.000W	170	3,0 - 6,0	-	-	3x2000W	115x56x50	120kg
1-1004	15000PRO3	400V	3	3100W	15.000W	270	5,0 - 9,0	-	-	3x2700W	121x70x54	160kg
1-1005	15000PRO3 S	230V	1	3100W	15.000W	270	5,0 - 9,0	-	-	3x2700W	121x70x54	160kg
NEW	15000PRO3 Inverter	230V - 400V	1 of 3	3100W	15.000W (+8% boost)	270	5,0 - 9,5	-	-	3x2700W	121x70x54	160kg
1-4000	2000PRO4	230V	1 of 2	500W	2000W	48	0,6 - 1,2	50%	80%	2x1300W	100x50x42	53kg
1-4001	3500PRO4	230V	1 of 2	740W	3500W	84	1,0 - 2,0	50%	80%	2x1300W	100x50x42	57kg
1-4002	6000PRO4	230V - 400V	1 of 3	1450W	6000W	144	2,0 - 4,0	50%	76%	3x1300W	115x53x43	80kg
1-4003	10000PRO4	230V - 400V	1 of 3	2150W	10.000W	240	3,0 - 6,0	50%	74%	3x2000W	115x56x50	120kg
1-4004	15000PRO4	400V	3	3100W	15.000W	420	5,0 - 9,0	50%	73%	3x2000W	121x70x54	160kg
1-4005	15000PRO4 S	230V	1	3100W	15.000W	420	5,0 - 9,0	50%	73%	3x2000W	121x70x54	160kg
NEW	15000PRO4 Inverter	230V - 400V	1 of 3	3100W	15.000W (+8% boost)	441	5,0 - 9,5	50%	73%	3x2000W	121x70x54	160kg

Art.	Type	Connection	Phase*	Power consumption	Cooling capacity	Dehumidifies capacity L/24h**	Maximum power saving****	Heating	Dimension cm Int. Unit	Weight Ext. Unit	Dimension cm Ext. Unit	Weight Ext. Unit
1-2000	2000PRO3 Split	230V	1 of 2	580W	2000W	35	-	2x1300W	100x50x42	47kg	55x36x49	12kg
1-2001	3500PRO3 Split	230V	1 of 2	820W	3500W	55	-	2x1500W	100x50x42	50kg	55x36x49	16kg
1-2002	6000PRO3 Split	230V - 400V	1 of 3	1590W	6000W	100	-	3x1500W	115x53x43	70kg	95x36x83	33kg
1-2003	10000PRO3 Split	230V - 400V	1 of 3	2390W	10.000W	170	-	3x2000W	115x56x50	110kg	95x36x83	38kg
1-2004	15000PRO3 Split	400V	3	3500W	15.000W	270	-	3x2700W	121x70x54	150kg	95x36x123	55kg
NEW	15000PRO3 Split Inverter	230V - 400V	1 of 3	3500W	15.000W (+8% boost)	270	-	3x2700W	121x70x54	150kg	95x36x123	55kg
1-6000	2000PRO4 Split	230V	1 of 2	580W	2000W	48	80%	2x1300W	100x50x42	47kg	55x36x49	16kg
1-6001	3500PRO4 Split	230V	1 of 3	860W	3500W	84	80%	2x1300W	100x50x42	50kg	55x36x49	16kg
1-6002	6000PRO4 Split	230V - 400V	1 of 3	1670W	6000W	144	76%	3x1300W	115x53x43	70kg	95x36x83	33kg
1-6003	10000PRO4 Split	230V - 400V	1 of 3	2490W	10.000W	240	74%	3x1500W	115x56x50	110kg	95x36x83	38kg
1-6004	15000PRO4 Split	400V	3	3700W	15.000W	420	73%	3x2000W	121x70x54	150kg	95x36x123	55kg
NEW	15000PRO4 Split Inverter	230V - 400V	1 of 3	3700W	15.000W (+8% boost)	441	73%	3x2000W	121x70x54	150kg	95x36x123	55kg

The air-cooled OptiClimates is delivered with an External unit. The length of the cooling tube is 8m as standard and can be extended up to max 14m. There is also an Extended version available for longer distances. The length of the cooling tube is 15m as standard and can be extended up to max 30m.

* At two and three-phase connections one heater per phase connected.

*** At cooling water temperature of 6°C to 20°C.

** At 80% humidity and a ambient temperature of 30°C.

**** Comparing to OptiClimate Pro3.

SPECIFICATIONS

OPTICLIMATE

PRO3 & PRO4 SERIES

Art.	Type	Connection	Phase*	Power consumption	Cooling capacity	Dehumidifies capacity gal/24h**	Cooling water consumption gal/min***	Maximum watersaving****	Maximum powersaving****	Heating	Dimension (inch)	Weight
1-1000	2000PRO3	230V	1 of 2	500W	2000W	9	0.15 - 0.30	-	-	2x1300W	40x20x16.5	117 lbs
1-1001	3500PRO3	230V	1 of 2	740W	3500W	14	0.26 - 0.52	-	-	2x1500W	40x20x16.5	125 lbs
1-1002	6000PRO3	230V - 400V	1 of 3	1450W	6000W	26	0.52 - 1.05	-	-	3x1500W	45x21x17	176 lbs
1-1003	10000PRO3	230V - 400V	1 of 3	2150W	10.000W	45	0.79 - 1.59	-	-	3x2000W	45x22x20	265 lbs
1-1004	15000PRO3	400V	3	3100W	15.000W	71	1.32 - 2.37	-	-	3x2700W	48x27.5x21	353 lbs
1-1005	15000PRO3 S	230V	1	3100W	15.000W	71	1.32 - 2.37	-	-	3x2700W	48x27.5x21	353 lbs
NEW	15000PRO3 Inverter	230V - 400V	1 of 3	3100W	15.000W (+8% boost)	71	1.32 - 2.51	-	-	3x2700W	48x27.5x21	353 lbs
1-4000	2000PRO4	230V	1 of 2	500W	2000W	13	0.15 - 0.30	50%	80%	2x1300W	40x20x16.5	117 lbs
1-4001	3500PRO4	230V	1 of 2	740W	3500W	22	0.26 - 0.52	50%	80%	2x1300W	40x20x16.5	125 lbs
1-4002	6000PRO4	230V - 400V	1 of 3	1450W	6000W	38	0.52 - 1.05	50%	76%	3x1300W	45x21x17	176 lbs
1-4003	10000PRO4	230V - 400V	1 of 3	2150W	10.000W	63	0.79 - 1.59	50%	74%	3x2000W	45x22x20	265 lbs
1-4004	15000PRO4	400V	3	3100W	15.000W	110	1.32 - 2.37	50%	73%	3x2000W	48x27.5x21	353 lbs
1-4005	15000PRO4 S	230V	1	3100W	15.000W	110	1.32 - 2.37	50%	73%	3x2000W	48x27.5x21	353 lbs
NEW	15000PRO4 Inverter	230V - 400V	1 of 3	3100W	15.000W (+8% boost)	116	1.32 - 2.51	50%	73%	3x2000W	48x27.5x21	353 lbs

Art.	Type	Connection	Phase*	Power consumption	Cooling capacity	Dehumidifies capacity gal/24h**	Maximum power saving****	Heating	Dimension Int. Unit (inch)	Weight Int. Unit (lbs)	Dimension cm Ext. Unit	Weight Ext. Unit
1-2000	2000PRO3 Split	230V	1 of 2	580W	2000W	9	-	2x1300W	40x20x16.5	104 lbs	22x14x19.5	26 lbs
1-2001	3500PRO3 Split	230V	1 of 2	820W	3500W	14	-	2x1500W	40x20x16.5	110 lbs	22x14x19.5	35 lbs
1-2002	6000PRO3 Split	230V - 400V	1 of 3	1590W	6000W	26	-	3x1500W	45x21x17	154 lbs	37.5x14x33	73 lbs
1-2003	10000PRO3 Split	230V - 400V	1 of 3	2390W	10.000W	45	-	3x2000W	45x22x20	242 lbs	37.5x14x33	84 lbs
1-2004	15000PRO3 Split	400V	3	3500W	15.000W	71	-	3x2700W	48x27.5x21	330 lbs	37.5x14x48.5	121 lbs
NEW	15000PRO3 Split Inverter	230V - 400V	1 of 3	3500W	15.000W (+8% boost)	71	-	3x2700W	48x27.5x21	330 lbs	37.5x14x48.5	121 lbs
1-6000	2000PRO4 Split	230V	1 of 2	580W	2000W	13	80%	2x1300W	40x20x16.5	104 lbs	22x14x19.5	35 lbs
1-6001	3500PRO4 Split	230V	1 of 3	860W	3500W	22	80%	2x1300W	40x20x16.5	110 lbs	22x14x19.5	35 lbs
1-6002	6000PRO4 Split	230V - 400V	1 of 3	1670W	6000W	38	76%	3x1300W	45x21x17	154 lbs	37.5x14x33	73 lbs
1-6003	10000PRO4 Split	230V - 400V	1 of 3	2490W	10.000W	63	74%	3x1500W	45x22x20	242 lbs	37.5x14x33	84 lbs
1-6004	15000PRO4 Split	400V	3	3700W	15.000W	110	73%	3x2000W	48x27.5x21	330 lbs	37.5x14x48.5	121 lbs
NEW	15000PRO4 Split Inverter	230V - 400V	1 of 3	3700W	15.000W (+8% boost)	116	73%	3x2000W	48x27.5x21	330 lbs	37.5x14x48.5	121 lbs

The air-cooled OptiClimates is delivered with an External unit. The length of the cooling tube is 26ft as standard and can be extended up to max 46ft. There is also an Extended version available for longer distances. The length of the cooling tube is 49ft as standard and can be extended up to max 98ft.

* At two and three-phase connections one heater per phase connected.

*** At cooling water temperature of 43°F to 68°F.

** At 80% humidity and a ambient temperature of 86°F.

**** Comparing to OptiClimate Pro3.

SELECTION TABLE FOR THE OPTICLIMATE PRO3 & PRO4 SERIES

	PRO3	PRO3 INVERTER	PRO4	PRO4 INVERTER	PRO3 SPLIT	PRO3 SPLIT INVERTER	PRO4 SPLIT	PRO4 SPLIT INVERTER
Water-cooled climate control system	x	x	x	x				
Can be connected to tap water, source water, fresh water or salt water sources	x	x	x	x				
Air-cooled climate control system					x	x	x	x
No use of water when cooling					x	x	x	x
Most substantial dehumidification function on the market			x	x			x	x
For rooms where strict requirements are placed on atmospheric humidity	x	xx	xxx	xxxx	x	xx	xxx	xxxx
Inverter function for an even more stable climate, fewer temperature fluctuations		x		x		x		x
8% extra cooling capacity (Boost)		x		x		x		x
Low start-up current, turning the compressor on and off as infrequently as possible		x		x		x		x
As little energy consumption as possible when cooling		x		x		x		x
As little energy consumption as possible when dehumidifying			x	xx			x	xx
No water used when dehumidifying			x	x			x	x



Dealer information



AirSupplies Nederland BV is an innovative enterprise that develops high-quality advanced products on its own premises. Our objective is developing products with the highest possible performance. Superior technical methods are being used in order to achieve this objective. Our products enable you to maintain the optimum climate you need for maximum yields.