



## LOCAL AIR CONDITIONER PAC 3000 X A+

Particularly economical air conditioner with energy efficiency class A+

40 m<sup>2</sup>  
 100 m<sup>3</sup>  
 2,9 kW  
 10.000 Btu/h

Dehumidifier

3 Speed Levels

Night Mode

Timer

Oscillation

IR

Follow Me

**A+**

ENERG  
 TROTEC PAC 3000 X A+  
 A+  
 2,9 kW | 3,1 EER  
 62dB | 1,0 kWh/GDmin\*

### Enjoy the refreshment – the easy-going way!

Strong performance, plenty of comfort and a high energy efficiency – this is what modern air conditioning looks like! Due to the interaction of the latest technology and an agreeably low energy consumption, the environmentally friendly air conditioner PAC 3000 X A+ meets the high requirements of energy efficiency category A+. This means for you that you benefit from an energy saving of approx. 20 % as against comparable air conditioners of energy category A, supplemented by a higher cooling capacity! Whether at home, in hotel rooms, boutiques, treatment rooms or in the office – the compact air conditioner offers a cooling performance of 2.9 kW or 10,000 Btu/h for rooms up to 40 m<sup>2</sup> / 100 m<sup>3</sup>. Besides, the mobile air conditioner is equipped remarkably comfortable with remote control, Follow Me function, automatic mode, 24-hour timer, swing function and night mode.

### Automatically maintains your desired room temperature

In order to guarantee that the room cools down quickly, just set your desired temperature value from 17 °C to 30 °C. The refrigerating compressor automatically switches off as soon as the preset target temperature has been reached. This ensures to maintain the preset temperature value on a permanent basis. The device will only resume cooling when the desired temperature value is exceeded. With the automatic mode activated, you'll have nothing else to worry about. Instead, you'll benefit from the efficient A+ air conditioner being particularly power-saving and efficient.

### Feel the fresh breeze – even without activating the refrigerating compressor

In addition, the air conditioner PAC 3000 X A+ is equipped with a 3-stage fan and provides for air circulation in the room with a flow rate of up to 420 m<sup>3</sup>/h. The optional swing function can be additionally activated, and with the air outlet automatically moving up and down, the cooling air current will be evenly distributed in the room. To filter out fluff, dust and animal hair from the breathing air as well, an easy-to-clean air filter is integrated on the back of the device – gives a good feeling to everyone, not only to allergy sufferers!

### Stuffy air? Simply start the integrated dehumidifier!

High humidity levels can also be physically demanding, not only in the summertime. The dehumidification performance of 3 l per hour allows the device to actively extract humidity from oppressive and muggy air. The result is a noticeably more agreeable room climate. In addition, the integrated dehumidification function prevents the unhealthy formation of mould. This is why it is recommended to use the dehumidifier all year long. Due to internal condensate recycling the collection container only rarely needs to be emptied: The condensed water is reused for cooling the condenser. As a result, a large part of water simply evaporates.

The 3 operating modes air conditioning, ventilation and dehumidification can be used independently which allows you to use the economical all-rounder PAC 3000 X A+ throughout the year.



### Propane (R290) as environmentally friendly refrigerant in air conditioning systems

Every year, several million tons of harmful CO<sub>2</sub> emissions (greenhouse gas) are emitted to the atmosphere due to synthetic refrigerants. For this reason, the utilization of alternative refrigerants has become one of our key objectives. By using propane (R290) as refrigerant this air conditioner makes a valuable contribution to protecting our climate.

The natural refrigerant propane (R290) is an organic compound belonging to the group of hydrocarbons. Unlike synthetic refrigerants the environmentally friendly propane (R290) comes with neither ozone depletion potential (ODP = 0) nor a noteworthy greenhouse effect (GWP = 3).

**Additional bonus for the environment:** Owing to its excellent thermodynamic properties, propane (R290) is a particularly energy-efficient refrigerant thereby additionally reducing your energy costs.

## Follow Me function: Remote control with intelligent temperature measurement

All functions and settings of the PAC 3000 X A+ cannot only be adjusted directly at the LED control panel of the device but also by means of the remote control – without even leaving your seat. The integrated Follow Me Function allows you to benefit from even more automatic comfort: Normally, the thermostat in the inside of the air conditioner measures the current room temperature at the location of the device and indicates it on the LED display. However, you can also measure the temperature at the current position of the remote control. When the Follow Me function is activated, the remote control automatically transmits the current temperature value to the air conditioner at 3-minute intervals and the air conditioner is then adjusted accordingly. So if you move the remote control from a shaded to a sunny location, the air conditioner will correspondingly increase the cooling capacity to compensate the higher temperatures.

## Here today, there tomorrow

If you like to cool another room with the local air conditioner PAC 3000 X A+, it can be conveniently moved from one location to another thanks to its smooth-running wheels. Unlike permanently installed air conditioning systems, you can use a mobile air conditioner wherever cooling is currently needed – no need for drilling, screwing and using wall plugs. All you have to do is to fix the exhaust air hose (included in the scope of delivery) in a window opening or doorway, and you can directly start cooling down the room! In order to make sure there will be no warm air entering the cooled room through windows or doors, Trotec offers you the **AirLock window and door seals**. This enables you to cool even more efficiently. **Further will be provided to you in the info box below.**

## 24-hour timer

Simply set the operating time of the air conditioner by means of the timer function. In this way you ensure that, for example in the office, the air conditioner will switch off automatically when office hours are over. On the other hand, you can set a pleasant cooling to wake you up in the morning to give you a fresh start to the day.

## Night mode

To ensure that you can go to sleep and have a good night's rest even in summer nights that are way too warm, the comfort air conditioner PAC 3000 X A+ is provided with a night mode that allows to gradually increase the temperature. This ensures you to fall asleep in pleasantly cool room air without going hypothermic. Tip: If required, the timer can be additionally used to switch off the device automatically at nighttime.

**Conclusion:** With the PAC 3000 X A+ air conditioner, you are excellently prepared for heat waves. And thanks to the energy efficiency class A+, you'll also be economical in terms of power consumption.

## Calculation of the required cooling capacity



Find out how to easily calculate the cooling capacity required for your living and office spaces.

How much power is required to cool a room? The rule of thumb: Every cubic metre of room volume requires a cooling capacity of 30 watts (1 m<sup>3</sup> = 30 W).

Using this blanket value the required cooling capacity can be determined quickly and easily for every room size. Example: Assuming a room with **40 m<sup>2</sup> of floor space and a room height of 2.5 m**. The resulting calculation reads as follows:

Room volume calculation:

**40 m<sup>2</sup> of floor space x 2.5 m ceiling height = a room volume of 100 m<sup>3</sup>**

Calculation of the cooling capacity required for the room volume:

**100 m<sup>3</sup> cubature x 30 watts of cooling capacity = required cooling capacity of 3,000 watts**

Conversion from watt to kilowatt:

**3,000 watts = 3.0 kW**

**Result: In a room with 40 m<sup>2</sup> of floor space and a height of 2.5 m you need an air conditioner with a cooling capacity of 2.9 kW – such as the PAC 3000 X A+.**

This is only a rough calculation formula for living and office spaces with modern insulation (passive house standard), though. The required cooling capacity further depends on the room's "thermal load": For selecting an appropriate air conditioner, the factors of insulation, insulation, window dimensions, the number of persons as well as the heat sources play an equally important role.

You would like to find out more? Our info page "[Practical knowledge concerning air conditioning](#)" contains all the important information. By reading it you will quickly become an air conditioning expert.

## Special equipment features PAC 3000 X A+



With its stylish white housing the compact air conditioner blends in perfectly with any living or working environment. With a cooling capacity of 2.9 kW it ensures agreeable feel-good temperatures for rooms sized up to 40 m<sup>2</sup> or 100 m<sup>3</sup>.



The cooling capacity of air conditioner PAC 3000 X A+ was rated with energy efficiency category A+. Therefore, you can be on the safe side that your electricity costs will keep within reasonable bounds. Inside the device, the environmentally friendly refrigerant R290 is used.



## AirLock window and door seals

**ACCESSORY TIP:** AirLock window seals prevent warm air from streaming back into the room you are trying to cool.

The warm air is discharged through an air conditioner's exhaust air hose and thus through a window into the open air. In order to keep the warm air from streaming right back into the room through the window gap we recommend using **AirLock window or door seals**.

Suitable for windows with a maximum perimeter of up to 4 metres is the window seal **AirLock 100**. The hose can be attached to any type of window (casement, bottom-hung or skylight windows). With the Velcro® tape mounting between window and frame only takes a few steps. This ensures an optimal cooling efficiency in the room and substantially reduces the consumption costs of your air conditioner.



## Also perfect for floor-to-ceiling windows or balcony and patio doors.

The convenient door and window seal **AirLock 1000** was specifically designed for sealing floor-to-ceiling windows or balcony and patio doors – it is the only window seal on the market that has a perimeter of up to 5.6 metres. The AirLock 1000 can be used for both one- or two-hose devices. [Further information on all available AirLock versions is provided here.](#)



The neatly arranged control panel with membrane keys reveals all important setting options at one glance and so offers a very intuitive operation. Depending on the setting, the LED display indicates the desired target temperature or the number of hours until the pre-programmed automatic switch-on or -off.



All functions can also be controlled via the infrared remote control. With the Follow Me function the remote control measures the room temperature at the current location and transmits the value to the air conditioner. The cooling capacity is automatically adjusted according to the measured value. And using the "short cut" button you can save preferred settings.



When the swing function is activated, the air outlet flap is automatically raised and lowered. This helps to distribute the cold or warm air effectively and evenly in the room. But the flap can also be fixed in place at a position of your choice.



The integrated air filter cleans the room air from pieces of dust, fluff and animal hair. This does not only make life easier for people suffering from allergies. The filter can be easily removed to be wiped or cleaned under running water.



The device comes equipped with smooth-running wheels. Thanks to the integrated recessed handles the air conditioner can quickly and easily be moved from one room to the next, hence you can enjoy cooling wherever you want. The rear cable winder offers protection against dangerous trip hazards.



Set to dehumidification mode the device withdraws up to 3 litres of moisture per hour from the room air. In case of a high humidity level or continuous cooling operation, the condensate can also be permanently drained from the residual water tank through a discharge hose.

## Energy-efficient cooling for any room



Keep your head cool on hot working days: The local air conditioner PAC 3000 X A+ is the optimal cooling solution on hot days for office rooms up to 40 m<sup>2</sup>. The white housing optimally fits into modern office spaces.



Whether as air conditioner, fan or dehumidifier: The high-quality, elegant and powerful PAC 3000 X A+ can be used in your flat any day of the year.



## All Comfort air conditioners of the PAC series in direct comparison:

To find the Comfort air conditioners of the PAC series which exactly meets your requirements, please consult the concise overview of all Comfort air conditioners of the PAC series from Trotec, which we're providing to you here so that you can compare them directly to each other.

Models which you do not wish to include in your comparison can be easily dismissed with only one click.

[Technical data by comparison](#)

## A few practical benefits:

- ✓ 3-in-1 air conditioner: Cooling, ventilation, dehumidification
- ✓ Suitable for rooms sized up to 40 m<sup>2</sup> / 100 m<sup>3</sup>
- ✓ Energy efficiency category A+ (particularly economical consumption)
- ✓ Cooling capacity of up to 2.9 kW
- ✓ 3 fan stages
- ✓ 24-hour timer function
- ✓ IR remote control with integrated temperature measurement (Follow Me function)
- ✓ Target value preselection from 17 °C to 30 °C

- ✓ Automatic operation for cooling depending on the ambient and target temperature
- ✓ Auto restart function in the event of an unexpected power interruption
- ✓ Swing function
- ✓ Night mode
- ✓ Removable air filter against animal hair, fluff and dust
- ✓ Quiet operation ≤ 52 dB(A)
- ✓ Environmentally friendly refrigerant R290

## All important features at a glance

<p><b>Cooling capacity</b> With its 2.9 kW the air conditioner provides a pleasantly chilled feel-good climate.</p>	<p><b>Energy efficiency</b> Energy savings of 20 % compared with similar air conditioners of energy efficiency class A.</p>	<p><b>Dehumidification function</b> The humidity level in the room can be reduced even without the cooling function.</p>	<p><b>3 fan settings</b> The room air is circulated even when the cooling function is switched off.</p>	<p><b>Automatic mode</b> Controls the cooling level depending on the ambient and target temperature.</p>	<p><b>Swing function</b> Ideal air distribution thanks to on-demand vertical swing function of the air outlet opening.</p>
<p><b>Remote control</b> Control your air conditioner conveniently using the infrared remote control, incl. Follow Me function.</p>	<p><b>LED display</b> The backlit LED display provides information on all important parameters.</p>	<p><b>Self-diagnosis</b> Detection of faults and precise indication of the source of error.</p>	<p><b>Night mode</b> Helps you to sleep healthily by way of a slow, constant temperature increase.</p>	<p><b>Timer function</b> The air conditioner automatically switches on or off after the desired period.</p>	<p><b>Room thermostat</b> The current room temperature is determined by the integrated thermostat.</p>
<p><b>Air filter</b> Anti-bacterial, washable filter for air quality improvement.</p>	<p><b>Auto restart function</b> Remembers the previously selected settings for the next switch-on.</p>	<p><b>Condensation recycling</b> Reduces the energy demand and the need for frequent draining of the tank.</p>	<p><b>Castors</b> Thanks to the low-friction castors the air conditioner can be positioned as needed.</p>		

**Monobloc or split? One-hose or two-hose technology?**

Don't get hosed by competitive statements, we provide the big picture. Before purchase be sure to get an overview of device differences, functional principles and possible applications.

Trotec, your climate expert, has compiled the most important facts in a reader-friendly overview! [Direct link to the "Practical knowledge concerning air conditioning"...](#)

**TUV GS** Benefit from the Trotec brand quality guaranteeing high value, safety and functionality. Via the inspection authority TÜV SÜD certifies that, if used foreseeably and as intended, the device does not pose a risk to the health and safety of the user.



**A boost of freshness: Enjoy maximum refreshment anywhere in the room!**

**Do you want to additionally experience the effect your air conditioner has?** In order to really distribute the cool air into every last corner of the room we recommend using the powerful fan TFH 2000 E with turbo spin technology. The extremely compressed turbulent air flow gushes out of the TFH 2000 E as tornado-like air column that revolves around itself and advances deep into the room. The air current breaks through warm and cold room air zones mixing it all up. The exiting air current encounters the opposite wall or the ceiling and from there is deflected to all sides.

In a constant circulation the air returns to the rear of the fan flowing along the side walls and the ceiling. It is sucked in once more to start a new cycle. This effective turbo spin method ensures maximum circulation and mixing of the room air. The temperature difference between cold air near the ground and warm air just behind the ceiling is substantially reduced, instead the air temperature in the entire room is noticeably evened out.