

LOCAL AIR CONDITIONER PAC 3000 X A+

Particularly economical air conditioner with energy efficiency class A+



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 <u>air conditioner</u> 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 m² / 100 m³. 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+ <u>air conditioner</u> 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 <u>fan</u> and provides for air circulation in the room with a flow rate of up to 420 m³/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 I 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 <u>dehumidifier</u> 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 <u>air conditioning</u>, <u>ventilation</u> and <u>dehumidification</u> 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 CO₂ 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 $(1 \text{ m}^3 = 30 \text{ W}).$

Using this blanket value the required cooling capacity can be

determined quickly and easily for every room size. Example: Assuming a room with 40 m² of floor space and a room height of 2.5 m. The resulting calculation reads as follows:

Room volume calculation:

40 m² of floor space x 2.5 m ceiling height = a room volume of 100 m³ Calculation of the cooling capacity required for the room volume:

100 m³ cubature x 30 watts of cooling capacity = required cooling capacity of 3,000 watts Conversion from watt to kilowatt:

3,000 watts = 3.0 kWResult: In a room with 40 m² of floor space and a height of 2.5 m you need an air

This is only a rough calculation formula for living and office spaces with modern insulation (passive

conditioner with a cooling capacity of 2.9 kW - such as the PAC 3000 X A+.

house standard), though. The required cooling capacity further depends on the room's "thermal load": For selecting an appropriate air conditioner, the factors of insolation, 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+

ACCESSORY TIP: AirLock window seals prevent warm air from streaming back into the room you

AirLock window and door seals

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.



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

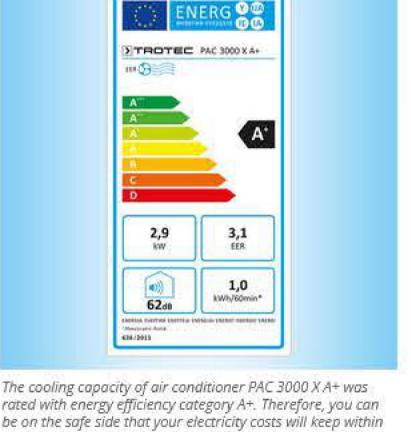
Also perfect for floor-to-ceiling windows or balcony and patio doors.

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.





With a cooling capacity of 2.9 kW it ensures agreeable feelgood temperatures for rooms sized up to 40 m² or 100 m³.



reasonable bounds. Inside the device, the environmentally friendly refrigerant R290 is used.



flap can also be fixed in place at a position of your choice.



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.



LED display indicates the desired target temperature or the number of hours until the pre-programmed automatic switchon or -off.



capacity is automatically adjusted according to the measured value. And using the "short cut" button you can save preferred settings. Energy-efficient cooling for any room



hence you can enjoy cooling wherever you want. The rear cable winder offers protection against dangerous trip hazards.



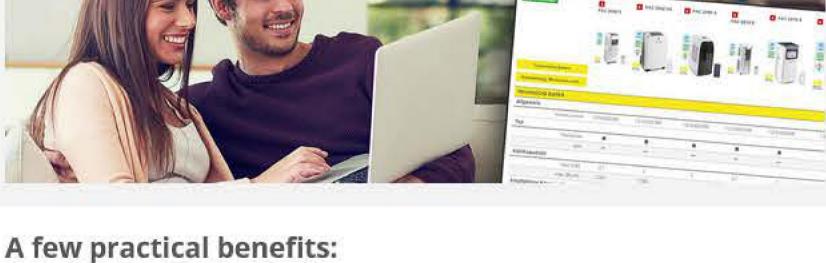
condensate can also be permanently drained from the residual water tank through a discharge hose.

high humidity level or continuous cooling operation, the





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.

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

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

Suitable for rooms sized up to 40 m2 / 100 m3

Energy efficiency category A+ (particularly economical consumption) Cooling capacity of up to 2.9 kW

3-in-1 air conditioner: Cooling, ventilation, dehumidification

- 3 fan stages 24-hour timer function
- IR remote control with integrated temperature measurement (Follow Me function)
- All important features at a glance

Target value preselection from 17 °C to 30 °C

Swing function Night mode

Auto restart function in the event of an unexpected power interruption

Automatic operation for cooling depending on the ambient and target temperature

- Removable air filter against animal hair, fluff and dust

Environmentally friendly refrigerant R290

Quiet operation $\leq 52 dB(A)$

Dehumidification function

The humidity level in the room can be



LED Remote control Control your air conditioner

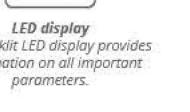




Auto restart function

Remembers the previously selected

settings for the next switch-on.







Detection of faults and precise

indication of the source of error.

Condensation recycling

Reduces the energy demand and the

need for frequent draining of the tank.

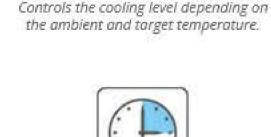


Night mode Helps you to sleep healthily by way of a

slow, constant temperature increase.

Thanks to the low-friction castors the

air conditioner can be positioned as needed.



Timer function The air conditioner automatically

switches on or off after the desired

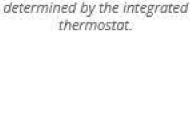
period.

AUTO

MODE

Automatic mode





Benefit from the Trotec brand

value, safety and functionality.

quality guaranteeing high

Via the registered GS mark the inspection

Room thermostat

The current room temperature is



conveniently using the infrared remote control, incl. Follow Me function.

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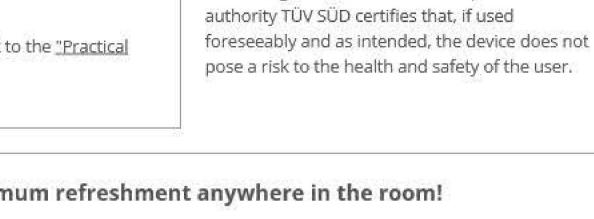
Anti-bacterial, washable filter for air

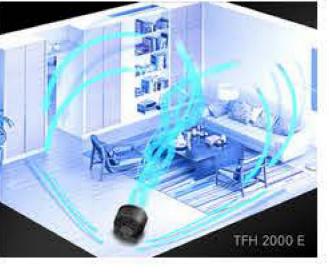
quality improvement.

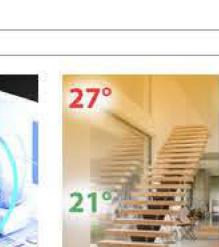
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Monobloc or split? One-hose or two-hose technology? Don't get hosed by competitive statements, we provide the big picture. Before purchase make sure to get an overview of device

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" ...

A boost of freshness: Enjoy maximum refreshment anywhere in the room! Do you want to additionally support 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

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 beneath the ceiling is substantially reduced, instead the air temperature in the entire room is noticeably evened out.

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.