



TROTEC
AT HOME.

HOME
COMFORT

PAC 2010 E LOCAL AIR CONDITIONER

Perfectly fresh concept based on cool design

26 m²
 65 m³
 2,1 kW
 7.200 Btu/h
 Dehumidifier
 3 Speed Levels
 Night Mode
 Timer

IR

ENERG
 TROTEC PAC 2010 E
 A
 2,1 kW
 2,6 EER
 63dB
 0,8 kWh/100m³

Overall feel-good climate with the air conditioner PAC 2010 E

Cooling, dehumidification and ventilation at its best

The 3-in-1 air conditioner PAC 2010 E presents itself in a refreshing design. With an output of 2.1 kW and a variety of functions for cooling, ventilation and dehumidification, it is perfectly suited to create an agreeable feel-good climate in smaller rooms.

Even in the summer heat, the PAC 2010 E makes life much easier – in a conveniently cool and comfortable way. This is on the one hand due to the air conditioner's cool design and on the other hand to the functional variety of this 3-in-1 all-rounder. In order to cool down hot rooms sized up to 65 m³ to considerably fresher temperatures in next to no time, the air conditioner not only comes equipped with a cooling function but also with a dehumidification and fan function. The combination of all three functions provides an overall feel-good climate.

In continuous operation, the automatic mode of the PAC 2010 E guarantees optimum cooling to reach the desired room climate in a reliable way. A decisive contribution to this is made by the air conditioner's automatic fan. When the "Automatic" setting is selected in fan mode, the air conditioner independently controls the fan speed depending on the ambient temperature.

If you wish to use the device primarily at specific times, as for example during the evenings, you can use the timer function for time-controlled switch-on and -off. Should you not use the PAC 2010 E at all over a longer period of time, the self-cleaning function allows to remove the condensate from the air conditioner – thus, storage becomes completely unproblematic.

A good night's sleep is not only ensured by the night mode that slowly raises the temperature, but also by the LED display that can be switched off completely to avoid unnecessary, disturbing light.

The respective operating mode, the room temperature, the three fan stages and the automatic fan can either be controlled using the long-range IR remote control or directly via the user-friendly membrane key control panel on the air conditioner as desired.



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.

Condensate recycling

Unlike many other air conditioners, the condensation tank of the PAC 2010 E must only seldom be emptied. The device is equipped with an intelligent recycling system that uses the condensed water to cool the condenser, and thus the majority of the water evaporates.

Tip: If you wish to air condition rooms sized up to 85 m³, we recommend the big brother of the PAC 2010 E. The identically constructed air conditioner **PAC 2610 E** fulfils all requirements for energy efficiency class A. Power consumption is particularly low, while the cooling capacity is high (2.6 kW).

Installation and maintenance of the PAC 2010 E

The air conditioner is set up and ready for use in just a few steps.

The preassembled air filter cleans the room air from fluff, dust and animal hair and can be removed and cleaned easily.

Mobile and sophisticated in every detail

Thanks to its compact design, the ergonomically shaped recessed handle and floor rollers, the air conditioner can be quickly and easily moved from one location to another. A convenient cable winder and remote control holder facilitate storage of the device.



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 m³ = 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 **26 m² of floor space** and **a room height of 2.5 m**.

The resulting calculation reads as follows:

Room volume calculation:

26 m² of floor space x 2.5 m ceiling height = a room volume of 65 m³

Calculation of the cooling capacity required for the room volume:

65 m³ cubature x 30 watts of cooling capacity = required cooling capacity of 1,950 watts

Conversion from watt to kilowatt:

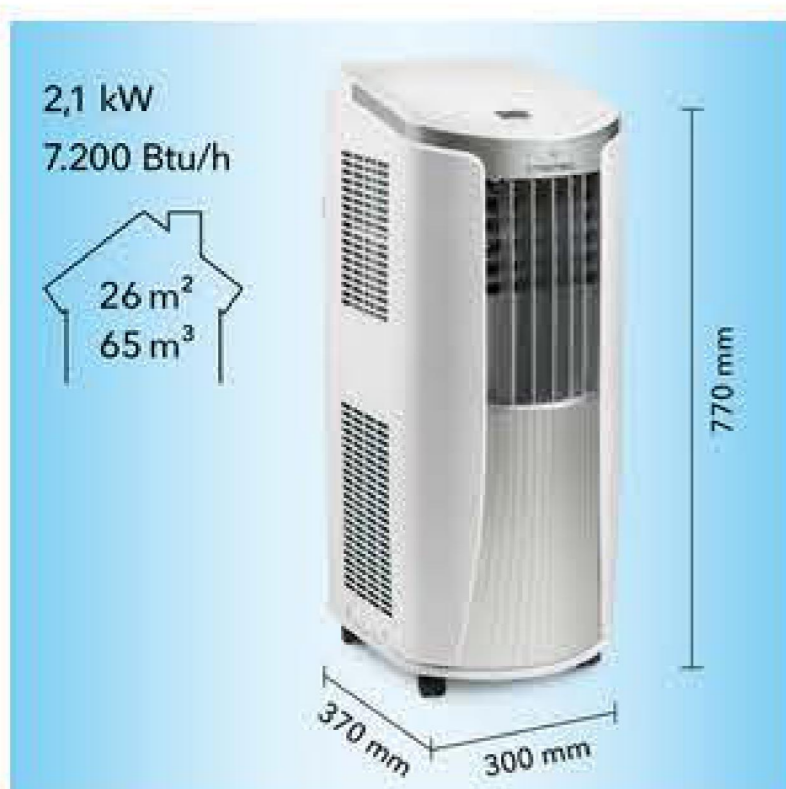
1,950 watts = 1.95 kW

Result: In a room with 26 m² of floor space and a height of 2.5 m you need an air conditioner with a cooling capacity of 1.95 kW – such as the PAC 2010 E.

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.

PAC 2010 E – special equipment features



The compact air conditioner clad in stylish black and white blends in perfectly with any living or working environment. With 2.1 kW / 7,200 Btu/h it brings a pleasant fresh breeze to rooms sized up to 26 m² or 65 m³.



The energy consumption of an air conditioner is an important factor. With energy efficiency category A you can be on the safe side that your electricity costs will keep within reasonable bounds. With functions for condensate recycling and timer-controlled switch-on/off, the device itself permits a rather efficient and economical cooling operation.

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.](#)



To avoid a draught, the air discharge direction can be controlled by changing the position of the horizontally and vertically adjustable fins. In a way that suits your individual needs.



The air filter integrated at the rear of the device cleans the room air from dust, fluff and animal hair. It can be removed without difficulty and cleaned without great effort. All in all the PAC 2010 E combines an uncomplicated, quick and easy installation, maintenance and servicing.



The stylish, neatly arranged LED display reveals all important setting options at one glance and so offers a very intuitive operation.



All functions and settings can also be carried out via infrared remote control. Whether at home or in the office – this allows you to adjust the air conditioner conveniently from your seat, according to your individual requirements.



The practical holder prevents searching for the remote control. The integrated recessed handles serve for the quick and easy transportation of the air conditioner from one room to another.



In dehumidification mode the condensate produced within the device is reused for cooling, which means that there is hardly any residual water. In case of a high humidity level or continuous cooling operation, the accumulating condensate can be collected in the residual water tank. Connecting a discharge hose renders it superfluous to empty the tank by hand.

Cooling down in every room



When the room becomes uncomfortably warm and oppressive, we quickly feel drained and groggy. But the portable air conditioner PAC 2010 E ensures an agreeably cool and dry room climate. This allows you to keep a cool head even on hot days.



Keep your head cool on hot working days: The local air conditioner PAC 2010 E is the optimal cooling solution on hot days for office rooms up to 34 m². The white housing optimally fits into modern office spaces.



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:

- ✓ Energy efficiency class A
- ✓ 2.1 kW cooling capacity
- ✓ Three operating modes: cooling, ventilation, dehumidification
- ✓ Three fan speeds
- ✓ Timer function
- ✓ Practical LED display
- ✓ Easy-to-clean membrane keypad
- ✓ Adjustable air discharge direction
- ✓ IR remote control
- ✓ Removable air filter
- ✓ Quiet operation < 51dB(A)

All important features at a glance

<p>Cooling capacity</p> <p>With its 2.1 kW the air conditioner provides a pleasantly chilled feel-good climate.</p>	<p>Dehumidification function</p> <p>The humidity level in the room can be reduced even without the cooling function.</p>	<p>3 fan settings</p> <p>The room air is circulated even when the cooling function is switched off.</p>	<p>Automatic mode</p> <p>Controls the cooling level depending on the ambient and target temperature.</p>	<p>Remote control</p> <p>Can be controlled conveniently from the distance with an IR remote control; selectable child lock.</p>	<p>LED display</p> <p>The backlit LED display provides information on all important parameters.</p>
<p>Self-diagnosis</p> <p>Detection of faults and precise indication of the source of error.</p>	<p>Night mode</p> <p>Helps you to sleep healthily by way of a slow, constant temperature increase.</p>	<p>Timer function</p> <p>The air conditioner automatically switches on or off after the desired period.</p>	<p>Room thermostat</p> <p>The current room temperature is determined by the integrated thermostat.</p>	<p>Air filter</p> <p>Anti-bacterial, washable filter for air quality improvement.</p>	<p>Auto restart function</p> <p>Remembers the previously selected settings for the next switch-on.</p>
<p>Condensate water recycling</p> <p>Reduces energy demand and constant emptying of the container.</p>	<p>Castors</p> <p>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 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 provide 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 beneath the ceiling is substantially reduced, instead the air temperature in the entire room is noticeably evened out.