

LOCAL AIR CONDITIONER PAC 3500 SH

4-in-1 air conditioner: cooling, heating, ventilation and dehumidification – for your individual feel-good climate on 365 days a year



For refreshing coolness in the summer and cosy warmth in the winter

At times it's just way too hot outside, then unpleasantly cold again – in the course of the year one often needs to adjust the room temperature by means of <u>fan</u>, <u>air conditioning system</u>, <u>electric heater</u> or <u>oil-filled radiator</u>. Wouldn't it be nice to have just one device that could master both: cooling and heating? The air conditioner PAC 3500 SH is suitable for year-round application, in addition to providing effective cooling it also comes with a reliable heating function. Come rain or shine – you can relax in constant feel-good temperatures within the individually adjustable range of 17 to 30 °C. Owing to its high-class design, the stylish white air conditioner blends in with any environment – be it at home, at the office, in a restaurant, sales room, hotel or your own holiday home.

Suitable for year-round application – with energy-saving automatic mode

With a cooling capacity of 3.5 kW / 12,000 Btu/h (energy efficiency category A) the air conditioner cools bedrooms, living and office spaces sized up to 46 m² / 115 m³ and inevitably heated by the summer sun down to the individually preset target temperature. The refrigerating compressor automatically switches off to save energy when reaching the target value and back on when another cooling cycle is required. And on the colder days of the year the air conditioner PAC 3500 SH with a heating capacity of 2.9 kW (energy efficiency category A) quickly supplies soothing warmth. Set to convenient automatic operation, the device independently regulates the ventilation, cooling and heating operation depending on the ambient temperature and the set target temperature. This is an energy-efficient solution, seeing as the device only produces the output needed to reach and maintain the desired temperature. With additionally activated swing function the air outlet continuously opens and closes, thus distributing the blown-out cold or warm air evenly in the room.

Dehumidification included - for an ideal room climate

Per hour, the dehumidification function withdraws up to 0.05 litres of excess moisture from the room air. This is a quick instrument to alleviate the oppressive sultriness and in the long term it can even prevent the unhealthy formation of mould in the room. The easy-to-clean air filter additionally cleans the room air from dust, fluff and animal hair. And if you're in the mood for a fresh breeze whilst saving energy, the 3-stage ventilation mode can provide instant cooling on your skin without activating the refrigerating compressor. This comprehensive functional range recommends the PAC 3500 SH as an all-round solution to be used all year to create an optimum feel-good climate. By the way, in order to meet the latest climate protection requirements, we use the environmentally friendly refrigerant R290.

Convenience is a major priority

The comfort equipment of air conditioner PAC 3500 SH impresses across the board. All functions and parameters can be either set directly at the intuitive control panel with membrane keys or conveniently from your present position by means of the remote control.



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 - smart temperature regulation via remote control

Normally, the integrated thermostat measures the current room temperature at the location of the air conditioner and indicates it on the LED display. However, as an alternative option, 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 3minute intervals and – depending on the selected cooling or heating function – 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.

Feel-good temperatures on schedule - using the 24-hour timer

Programme your feel-good climate for any time of day or night. Using the 24-hour timer you can easily adjust the settings of the air conditioner PAC 3500 SH as needed to suit your individual daily routine. What is to be said against a relaxed start into the day with a preselected target temperature? The air conditioner PAC 3500 SH independently sees to the cooling or heating of the room in automatic mode. Ban the heat that has built up during the day from your living or bedroom at the time you finish work and are about to return home. Needless to say, the switch-off of the device can also be pre-scheduled – to make sure you don't forget to turn off the one at the office when going off duty. The compact air conditioner comes equipped with low-friction rollers and recessed handles permitting its flexible application in different rooms. The integrated memory function ensures that the operating

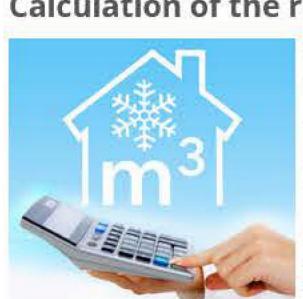
The night mode - for agreeable temperatures in your bedroom The air conditioner PAC 3500 SH features a very convenient night mode. For drifting off to

sleep untroubled by high temperatures the preset target temperature is gradually increased or reduced by 2 °C over a period of 1.5 hours and then maintained for 7 hours - after which the temperature will be set back to the original target value. That way you arise well-rested in an agreeably temperature-controlled room. Thankfully, with max. 54.5 dB(A) at a distance of one metre - depending on the setting - the noise generation of the device can be referred to as agreeably silent and is therefore not disruptive to a good night's rest. Moreover, the LEDs on the display can be switched off.

year-round application!

No matter if it's too hot or too cold, the 4-in-1 air conditioner PAC 3500 SH permits flexible

Calculation of the required cooling capacity Find out how to easily calculate the cooling capacity



mode selection is saved after switch-off.

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 $m^3 = 30 W$). Using this blanket value the required cooling capacity can

be determined quickly and easily for every room size. Example: Assuming a room with 46 m2 of floor space and a room height of 2.5 m ... The resulting calculation reads as

follows:

46 m2 of floor space x 2.5 m ceiling height = a room volume of 115 m3

Room volume calculation:

Calculation of the cooling capacity required for the room volume:

conditioner with a cooling capacity of approx. 3.5 kW - such as the

115 m3 cubature x 30 watts of cooling capacity = required cooling capacity of 3,450 watts Conversion from watt to kilowatt:

3,450 W = 3.45 kWResult: In a room with 46 m2 of floor space and a height of 2.5 m you need an air

PAC 3500 SH. This is only a rough calculation formula for living and office spaces with modern insulation

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

(passive house standard), though. The required cooling capacity further depends on the

air conditioning expert. PAC 3500 SH - special equipment features

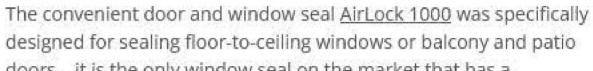
ACCESSORY TIP: AirLock window seals prevent warm air from streaming back into the

AirLock window and door seals

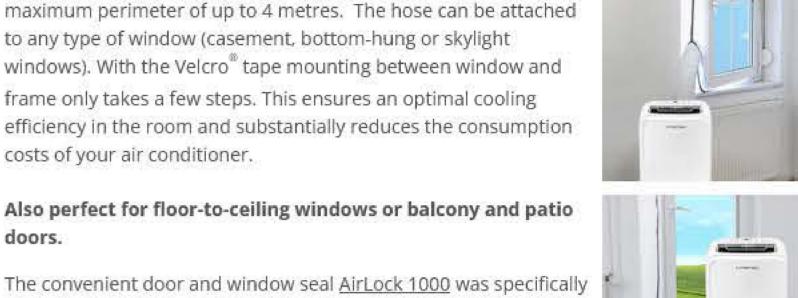
room you are trying to cool. The warm air is discharged through an air conditioner's exhaust air hose and thus through a

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. The window seal AirLock 100 is suitable for windows with a

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.



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.

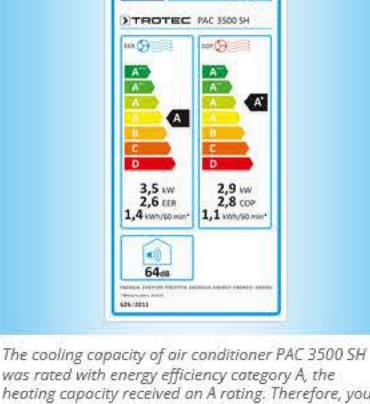






working environment. With a cooling capacity of 3.5 kW and a heating capacity of 2.9 kW it ensures year-round agreeable feel-good temperatures for rooms sized up to 46 m² or 115 m³.

conditioner blends in perfectly with any living or



heating capacity received an A rating. 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.



position of your choice.



effort. All in all the combined air conditioner and heater PAC 3500 SH unites an uncomplicated, quick and easy installation, maintenance and servicing.

removed without difficulty and cleaned without great



temperature or the number of hours until the preprogrammed automatic switch-on or -off.



conditioner. The cooling capacity is automatically adjusted according to the measured value. And using the "short cut" button you can save preferred settings.



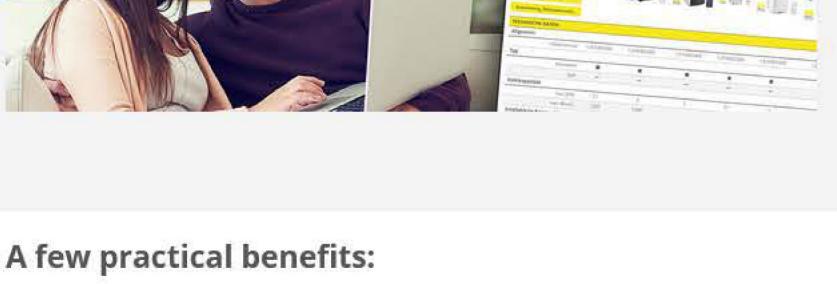


operation, the condensate can also be permanently drained from the residual water tank through a discharge hose.





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



to each other.

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

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

Swing function

Automatic operation

Suitable for rooms sized up to 46 m² / 115 m³ Cooling capacity of up to 3.5 kW (energy efficiency category A)

Heating capacity of up to 2.9 kW (energy efficiency category A) 3 fan settings

4-in-1 air conditioner: cooling, heating, ventilation, dehumidification

- 24-hour timer function
- Room temperature display

Cooling capacity

With its 3.5 kW the air conditioner

provides a pleasantly chilled feel-

good climate.

- Practical LED display
- Easy-to-clean membrane keypad

Heating function

At the push of a button the heating

capacity of 2.9 kW ensures cosy

warmth for cold days.

LED

LED display

The backlit LED display provides

information on all important

parameters.

- Removable air filter Air cleaning function (animal hair, fluff, dust)
- Night mode Quiet operation $\leq 54.5 dB(A)$

Environmentally friendly refrigerant R290

IR remote control with integrated temperature measurement

- All important features at a glance

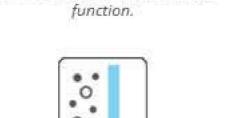
Night mode

Helps you to sleep healthily by way

Dehumidification function 3 fan settings The humidity level in the room can The room air is circulated even



Control your air conditioner conveniently using the infrared remote control, incl. Follow Me function.











be reduced even without the

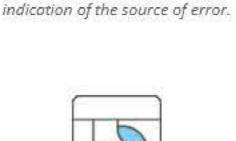
cooling function.

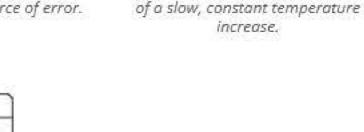
Castors

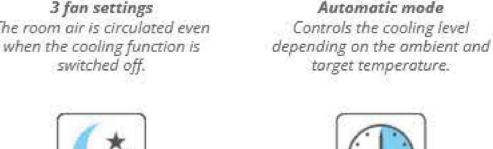
Thanks to the low-friction castors

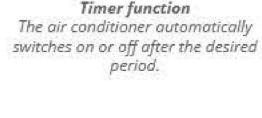
the air conditioner can be

positioned as needed.

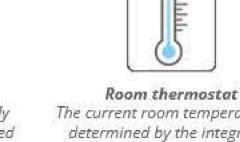








AUTO MODE



The current room temperature is determined by the integrated thermostat.

Swing function

Ideal air distribution thanks to on-

demand vertical swing function of the air outlet opening.



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

the "Practical knowledge concerning air conditioning" ...

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



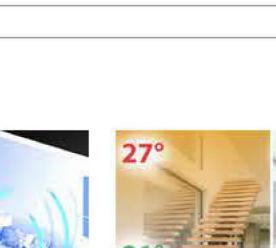
GS mark the inspection authority TÜV SÜD

intended, the device does not pose a risk to

certifies that, if used foreseeably and as

the health and safety of the user.





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

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

Do you want to additionally support the effect your air conditioner has? In order to really distribute

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.

