



TROTEC
AT HOME.

HOME
COMFORT



LOCAL AIR CONDITIONER PAC 3900 X

Triple power for extra freshness: cooling, ventilation, dehumidification

52 m²
130 m³
3,9 kW
13.300 Btu/h

Dehumidifier

3 Speed Levels

Night Mode

Timer

IR

Oscillation

ENERG	
TROTEC PAC 3900 X	
A	A
A	A
A	A
B	B
C	C
D	D
3,9 kW	2,6 EER
65dB	1,5 kWh/60min*

Refreshingly convenient. As flexible as possible.

With cooling technology of the latest generation as well as a comprehensive functional range the multifunctional air conditioner PAC 3900 X lives up to its reputation as genuine all-rounder. For cooling, ventilation or dehumidification: The ultra-compact air conditioner meets all requirements of an ideal room climate with flying colours. With a cooling capacity of 3.9 kW the air conditioner of the PAC series is especially well suited for large rooms of up to 130 m³. Apart from the reliable cooling on hot days the PAC 3900 X filters and dehumidifies the room air and generates a fresh breeze to top it all off. As desired in three fan stages and with swing function for an optimal distribution of the air in the room.

Functions of the PAC 3900 X

The PAC 3900 X comes equipped with a modern microprocessor control and a variety of individually programmable functions. Optionally, the device regulates the room climate autonomously. The smart air conditioner even automatically reduces the energy costs by switching off compressor and fan when reaching the predefined target temperature.

Saving tip:

The operating modes ventilation and dehumidification can also be selected with deactivated cooling function. Therefore, the 3-in-1 air conditioner PAC 3900 X can be used throughout the year to create a healthy, agreeable indoor climate – whilst keeping the power consumption at a minimum. This further reduces the energy demand of the already economical device and renders the purchase of a separate fan or dehumidifier redundant.

The integrated timer function permits operation by the hour as well as automatic switch-on and -off. An agreeably silent night mode with adapted temperature control guarantees a good night's rest and the necessary physical regeneration.



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.

More time for the things that matter!

The set operating parameters such as mode, target temperature and fan stage will be saved when switching the device off and then automatically adopted for the next switch-on.

The monobloc air conditioner PAC 3900 X is optionally controlled via the supplied IR remote control or the neatly arranged control panel with membrane keys.

Installation and maintenance of the PAC 3900 X

Ready for use in a breath.

If required, the already preassembled air filter can be removed and cleaned unproblematically. The humidity is collected in a collecting tank in form of condensate. If required, a permanent condensate drain can be connected at the rear of the device.

Mobile, minimum space requirements, low in maintenance

Of manageable size, versatile, intelligent design.

The bedroom today, the living room tomorrow? That is no problem at all. On the low-friction rollers, the device can be easily moved from one location to another at the ergonomically shaped recessed handle. When storing the device at the end of the cooling season, the cable can be easily stored using the practical cable winder.

One air conditioner – manifold application options

With its three operation modes cooling, ventilation and dehumidification the powerful and flexible all-rounder PAC 3900 X is recommended for use at home or in the office.

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 52 m^2 of floor space and a room height of 2.5 m.

The resulting calculation reads as follows:

Room volume calculation:

52 m^2 of floor space x 2.5 m ceiling height = a room volume of 130 m^3

Calculation of the cooling capacity required for the room volume:

130 m^3 cubature x 30 watts of cooling capacity = required cooling capacity of **3,900 watts**

Conversion from watt to kilowatt:

$3,900 \text{ W} = 3.9 \text{ kW}$

Result: **In a room with 52 m^2 of floor space and a height of 2.5 m you need an air conditioner with a cooling capacity of approx. 3.9 kW – such as the PAC 3900 X.**

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 3900 X – special equipment features



The compact air conditioner clad in stylish black and white blends in perfectly with any living or working environment. With 3.9 kW / 13,300 Btu/h it brings a pleasant fresh breeze to rooms sized up to 52 m^2 or 130 m^3 .



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.](#)



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 swing function can be switched on if desired. The air outlet flap is automatically raised and lowered in order for the cooling air current to distribute evenly in the room.



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 3900 X combines an uncomplicated, quick and easy installation, maintenance and servicing.

Cooling down in every room



The ultra-silent night mode of the PAC 3900 X permits restful, uninterrupted sleep. With reduced noise emission and smart temperature control. To start your day fresh and relaxed.



Owing to the timer function the PAC 3900 X dissipates accumulated heat from the office just in time for you to start working. To increase motivation and productivity.



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
- ✓ 3.9 kW cooling capacity
- ✓ Three operating modes: cooling, ventilation, dehumidification
- ✓ Three fan speeds
- ✓ Timer function
- ✓ Practical LED display

- ✓ Easy-to-clean membrane keypad
- ✓ Room temperature display
- ✓ Swing function for optimum air distribution
- ✓ IR remote control
- ✓ Removable air filter
- ✓ Quiet operation < 53 dB(A)

All important features at a glance

<p>Cooling capacity</p> <p>With its 3.9 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>Swing function</p> <p>Ideal air distribution thanks to on-demand swing function of the fins.</p>	<p>Remote control</p> <p>Control your air conditioner conveniently using the infrared remote control.</p>
<p>LED display</p> <p>The 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>Condensation water recycling</p> <p>Reduces the energy requirement and the 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](#)"...

Optimum room temperature control with the socket thermostat BN30

Just install it in the socket and connect it to the heating or cooling device on the [socket thermostat BN30](#), and you can have your heating or cooling unit automatically switched on and off by the BN30 depending on the temperature. The socket thermostat available as an accessory is individually adjustable within a temperature range from 5 °C to 30 °C.

Radio thermostat BN35 with timer switch for the socket

With the [radio thermostat BN35](#) you can easily determine at which room temperature your heating or cooling unit will switch on or off using the remote control. The [BN35 set](#) consists of a radio-controlled socket and a radio thermostat. Simply plug the radio-controlled socket in between a wall outlet and your heating or cooling unit. Place the radio thermostat within approx. 20 metres in the place where the room temperature is to be measured. As an alternative, time-controlled regulation can also be carried out.

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 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 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.