



SILVER STYLE



TROTEC
AT HOME

HOME
COMFORT

LOCAL AND STYLISH AIR CONDITIONER PAC 3810 S

Like the extraordinary? With the high-quality 3-in-1 air conditioner PAC 3810 S, you combine high-quality design and convenient cooling.

- Dehumidifier
- 3 Speed Levels
- Night Mode
- Timer
- Oscillation

50 m²
125 m³
3,8 kW
13.000 Btu/h

Remote

Silver Style: High-class cooling

Powerful, charming, comfortable cooling – if it's about air conditioning, you don't only want to enjoy the refreshment in a breath. You also would like a device that perfectly integrates into the interior design.

Whether at your home, in office spaces, hotel rooms or in the yoga centre – with its silver colour housing design and a cooling capacity of 3.8 kW / 13,000 Btu/h, the exclusive air conditioner PAC 3810 S is particularly well-suited for large rooms up to 50 m² or 125 m³. Convincing convenience: Remote control, 24-hour timer and night mode of the stylish air conditioner will provide maximum comfort.

Automatic cooling to the desired room temperature

Keep tracks of the current room temperature, determined by means of the integrated thermostat and indicated on the display. For quick cooling, just set your desired temperature value from 16 °C to 31 °C, and the air conditioner will cool down the room air as you wish. To maintain the preset target temperature value, the device automatically ensures that the refrigerating compressor will be switched off upon reaching the preset target temperature. The device will only resume cooling when the desired temperature value is exceeded. Positive side effect: That's why the device of energy efficiency category A operates in a power-saving and economical way.

Fresh breeze – with and without cooling function

In addition, the elegant all-rounder comes with an adjustable three-stage fan blower with a flow rate up to 450 m³/h. Even with the refrigerating compressor inactivated, the device provides a fresh breeze and effective air circulation in the room. With additionally activated, optional swing function, cold air will be evenly distributed in the room. In order to also filter out fluff, dust and animal hair from the breathing air, an easy-to-clean air filter is integrated on the back of the device.

Dehumidification against muggy and oppressive room air

The dehumidification performance of 1.5 l per hour allows the device to actively extract humidity from oppressive and muggy air. The result is a noticeably more agreeable room climate. Moreover, dehumidification prevents unhealthy mould growth. Due to internal condensate recycling the collection container only rarely needs to be emptied: The condensed water is reused for cooling the condenser by means of an intelligent recycling system. Consequently, the majority of water simply evaporates.

The three functions cooling, ventilation and dehumidification can be used independently which allows you to operate the stylish device in both summer time and 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.

Cool room air with style and convenience

Comfortably control the silver PAC 3810 S air conditioner from your seat. All functions and settings cannot only be made via the LED display on the device but also by means of the remote control – without even leaving your seat.

Timer function

The practical 24-hour timer allows to switch the device on and off individually after a preset time. 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 for example 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 3810 S is provided with a night mode that allows to gradually increase the temperature. After one hour the preset temperature will automatically increase by 1°C, after another hour again by 1°C. This temperature level will be kept throughout the entire night. This ensures you to fall asleep in pleasantly cool room air and to enjoy a restful sleep without going hypothermic. Tip: If required, the timer can be additionally used to switch off the device automatically at nighttime.

Swing function

The optional on-demand swing function provides even cooling throughout the room. The air outlet automatically swings from the bottom to the top in order for the cold air distributing in an optimal way.

Air filter for animal hair, fluff and dust

The air filter integrated on the rear reliably removes animal hair, fluff and dust that is raised from the room air. This makes especially allergy sufferers and people with a sensitive respiratory tract breathe freely and deeply. The removable filter can be easily cleaned by just wiping or rinsing it. If you like to position the air conditioner in another room, it can be conveniently moved from one location to another thanks to its smooth-running wheels.

Silver Style

Every room design is different. Modern interiors are perfect for the gently shimmering, silver-grey housing design of the elegant air conditioner. Whether as fan, dehumidifier or for powerful cooling – the comfort air conditioner PAC 3810 S allows you to enjoy a pleasant, in-style feel-good climate throughout the year!



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 50 m² of floor space and a room height of 2.5 m. The resulting calculation reads as follows:

Room volume calculation:

50 m² of floor space x 2.5 m ceiling height = a room volume of 125 m³

Calculation of the cooling capacity required for the room volume:

125 m³ cubature x 30 watts of cooling capacity = required cooling capacity of 3,750 watts

Conversion from watt to kilowatt:

3,750 watts = 3.8 kW

Result: In a room with 50 m² of floor space and a height of 2.5 m you need an air conditioner with a cooling capacity of 3.8 kW – such as the PAC 3810 S.

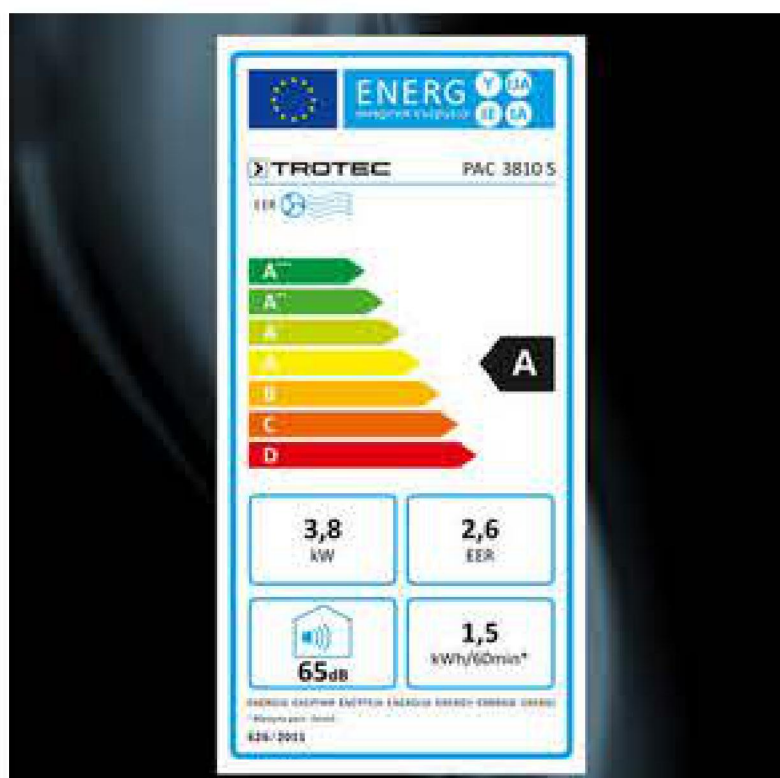
This is only a rough calculation formula for living and office spaces with modern insulation (passive house standard), though. The required cooling capacity further depends on the room's "thermal load": For selecting an appropriate air conditioner, the factors of insulation, insulation, window dimensions, 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 3810 S – special equipment features



Focus on style and comfort: The silver housing of the air conditioner blends in perfectly with any living or working environment. The compact dimensions and the cooling capacity of 3.8 kW / 13,000 Btu/h provide feel-good freshness for rooms up to 50 m² or 125 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 thermostat-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.](#)



Whether 24h timer, 3 fan stages, current room temperature, target value preselection, dehumidification function or night mode – the clear and smart LED display offers an intuitive operation and provides information on all important setting options at one glance.



All functions and settings can also be controlled via the infrared remote control. 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 air conditioner PAC 3810 S combines an uncomplicated, quick and easy installation, maintenance and servicing.

Suitable design for any room



Keep your head cool on hot working days: The local air conditioner PAC 3810 S is the optimal cooling solution on hot days for office rooms up to 50 m². The silver-grey housing design is optimally suited for modern office spaces.



Whether as air conditioner, fan or dehumidifier: The high-quality, elegant and powerful PAC 3810 S 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:

- ✓ **Attractive housing design in silver colour**
- ✓ **Suitable for rooms up to 50 m² / 125 m³**
- ✓ **Energy efficiency category A**
- ✓ **3.8 kW cooling capacity**
- ✓ **Three operating modes: Cooling, ventilation, dehumidification**
- ✓ **Three fan stages**
- ✓ **Swing function**
- ✓ **Target value preselection from 16°C to 31°C**
- ✓ **Energy-saving operation by automatic switch-on/switch-off once target value preselection is reached/exceeded**
- ✓ **24-hour timer**
- ✓ **Night mode**
- ✓ **Remote control + intuitive LED display**
- ✓ **Room temperature indication**
- ✓ **Removable air filter against animal hair, fluff and pieces of dust**
- ✓ **Quiet operation < 55 dB(A)**
- ✓ **Environmentally friendly refrigerant R290**

All important features at a glance

3,8 kW

Cooling capacity
With its 3.8 kW the air conditioner provides a pleasantly chilled feel-good climate.

Dehumidification function

The humidity level in the room can be reduced even without the cooling function.

3 fan settings

The room air is circulated even when the cooling function is switched off.

AUTO MODE

Automatic mode
Controls the cooling level depending on the ambient and target temperature.

Swing function

Ideal air distribution thanks to on-demand swing function of the fins.

Remote control

Control your air conditioner conveniently using the infrared remote control.

LED

LED display
The backlit LED display provides information on all important parameters.

Self-diagnosis

Detection of faults and precise indication of the source of error.

Night mode

Helps you to sleep healthily by way of a slow, constant temperature increase.

Timer function

The air conditioner automatically switches on or off after the desired period.

Room thermostat

The room temperature is determined by the integrated thermostat.

Air filter

Anti-bacterial, washable filter for air quality improvement.

Auto restart function

Remembers the previously selected settings for the next switch-on.

Condensation recycling

Reduces the energy demand and the need for frequent draining of the tank.

Castors

Thanks to the low-friction castors the air conditioner can be positioned as needed.

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

Don't get posed 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 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.