



Pax Radiators energy-efficient comfort heating

Pax oil-filled electric radiators



Smart, intelligent energy-saving feature and with concealed thermostat

Oil-filled radiators

An advantage of choosing oil-filled radiators is that they offer a better indoor environment since they do not dry out the air. Nor do they become hot enough to combust and disperse dust particles, which improves the indoor climate for those with respiratory sensitivity.

Comfort and energy-saving temperature

Pax oil-filled radiators are equipped with a smart energy-saving feature. Since the thermostat unit has integrated control intelligence, you can adjust the temperature individually as needed for each room.

Energy efficient

Using the thermostat in a conventionally insulated house is very energy efficient! Every one degree reduction in temperature over 20°C equals a reduction in heating cost of roughly 3-5%.

Allows air to circulate

Pax radiators are built to provide even air movement around the panel, therefore we advise against using a radiator guard. The folded metal section on the back is called the convector, and it has been designed to have a larger surface area than conventional radiators. This allows the radiator to be made more compact but with the same output.

Installation

Our radiators require permanent installation and must be installed by a licensed electrician. Ask your installer to check the connection voltage in the room in which you intend to place the radiator to ensure that you get the right radiator in the right place.

Sizing – calculation

Typically, around 60-80W per m² usually covers the heating demand without overworking the radiator, provided that the rooms have a normal ceiling height of 240/250 cm. For higher ceiling heights, heating must instead be sized according to volume, at around 25-35W per m³. Keep in mind that having many windows and large exterior wall surfaces may increase the heating demand compared to the typical wattage.

On the other hand, the heating demand decreases in rooms with small windows and/or little exposure to exterior walls.

If the room for which you are sizing has always been cold, ensure that the new radiator is able to provide a little more output. Higher radiator output does not mean higher electricity consumption, it ensures that the radiator will always be able to heat the room without having to operate continuously at full capacity. By oversizing slightly, the panel surface will never be perceived as uncomfortably warm.

However, undersized heater output will require the heater to work at high capacity, and, as a result, the panel may be perceived as excessively hot.

Advantages of Pax oil-filled radiators:

1. Discreetly placed electronic thermostat with precise control.
2. Selectable automatic switching (4°C) between comfort and energy-saving temperature, with repeating timer.
3. Anti-frost temperature (7°C).
4. Low-temperature design: surface temperature max. 60°C (adjustable function).
5. Max. temperature limiting: max. 23°C in the room (adjustable function).
6. Quiet electronic thermostat and no moving parts
7. Made in Sweden.
8. 5 year warranty.

High or low, narrow or wide, single or double, 230V or 400V?



Radiators for different needs

Pax has one of the widest range of quality radiators on the market. No matter if you are just replacing an existing radiator or installing a new heating system in your home, we have the model for you.

Adjustable mounting brackets always included

Pax radiators always come with adjustable mounting brackets at no extra charge. This saves plenty of time for the installer and makes cleaning easier.

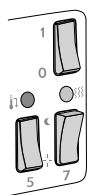
Manufactured in our factory in Hälleforsnäs – the heart of Sörmland

For your safety, each individual radiator undergoes very thorough quality and safety tests. All Pax radiators are, of course, S-marked. It is your assurance of safety and electrical safety.

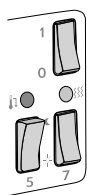
Setting the time intervals

Selectable time intervals starting from the time the respective buttons are pressed:

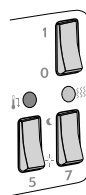
- Button 5 = temperature decrease for 5 h over the next 5 days.
- Button 7 = temperature decrease for 7 h over the next 7 days.
- Button 5+7 = temperature decrease for 12 h over the next 7 days.



5h

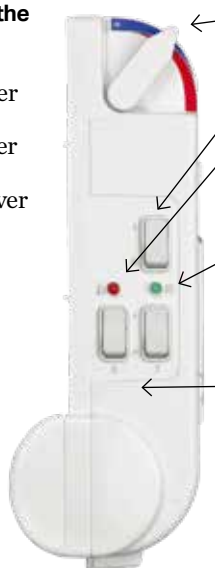


7h



12h

The smart control panel



1. Thermostat regulator

The regulator is used to set the desired temperature.

2. Switch

3. Red light

A solid red light indicates that the timer is connected.
A flashing red light indicates that the timer has been unintentionally disconnected, e.g. during a power failure.



4. Green light

A solid green light indicates that the radiator is operating.
If the light is off, the radiator is not currently in operation.

5. Switching between comfort and energy-saving temperature

The time interval for switching between comfort and energy-saving temperature is set with buttons 5 and 7. The temperature decrease during the selected interval will be approx. 4°C and starts from the time you press button 5 and/or 7. The set temperature decrease is repeated weekly until a new setting is carried out.

Product range

Class I (must be protectively earthed) **IP24**  

230V AC 50Hz

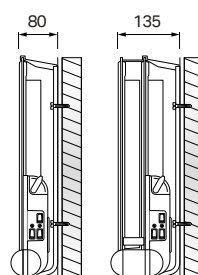
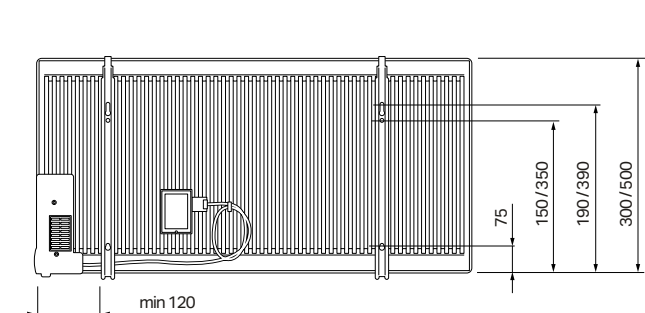
Item no	Description	Panel	Output	Height mm	Length mm	Depth mm	Weight kg	EAN code
6282-8	Radiator 11-304/230 200W	single	200 W	300	400	80	5	7391477628280
6273-9	Radiator 11-308/230 500W	single	500 W	300	800	80	9	7391477627399
6274-1	Radiator 11-312/230 800W	single	800 W	300	1200	80	14	7391477627412
6283-0	Radiator 11-316/230 1000W	single	1000 W	300	1600	80	19	7391477628303
6274-4	Radiator 22-304/230 500W	double	500 W	300	400	135	10	7391477627443
6274-8	Radiator 22-310/230 1000W	double	1000 W	300	1000	135	23	7391477627481
6275-5	Radiator 11-504/230 300W	single	300 W	500	400	80	9	7391477627559
6275-7	Radiator 11-505/230 500W	single	500 W	500	520	80	11	7391477627573
6275-9	Radiator 11-508/230 800W	single	800 W	500	800	80	16	7391477627597
6276-1	Radiator 11-510/230 1000W	single	1000 W	500	1000	80	20	7391477627610
6276-3	Radiator 11-512/230 1200W	single	1200 W	500	1200	80	24	7391477627634
6276-5	Radiator 11-514/230 1400W	single	1400 W	500	1400	80	28	7391477627658
6277-1	Radiator 22-506/230 1000W	double	1000 W	500	600	135	23	7391477627719

400V AC 50Hz

Item no	Description	Panel	Output	Height mm	Length mm	Depth mm	Weight kg	EAN code
6274-0	Radiator 11-308/400 500W	single	500 W	300	800	80	9	7391477627405
6274-2	Radiator 11-312/400 800W	single	800 W	300	1200	80	14	7391477627429
6274-3	Radiator 11-316/400 1000W	single	1000 W	300	1600	80	19	7391477627436
6274-5	Radiator 22-304/400 500W	double	500 W	300	400	135	10	7391477627450
6274-9	Radiator 22-310/400 1000W	double	1000 W	300	1000	135	23	7391477627498
6275-4	Radiator 22-316/400 1800W	double	1800 W	300	1600	135	35	7391477627542
6275-6	Radiator 11-504/400 300W	single	300 W	500	400	80	9	7391477627566
6275-8	Radiator 11-505/400 500W	single	500 W	500	520	80	11	7391477627580
6276-0	Radiator 11-508/400 800W	single	800 W	500	800	80	16	7391477627603
6276-2	Radiator 11-510/400 1000W	single	1000 W	500	1000	80	20	7391477627627
6276-4	Radiator 11-512/400 1200W	single	1200 W	500	1200	80	24	7391477627641
6276-6	Radiator 11-514/400 1400W	single	1400 W	500	1400	80	28	7391477627665
6277-2	Radiator 22-506/400 1000W	double	1000 W	500	600	135	23	7391477627726
6277-6	Radiator 22-510/400 1800W	double	1800 W	500	1000	135	38	7391477627764

Accessory

Item no	Description	Material	Weight kg	EAN code
6282-0	Touch guard for thermostat	Plastic	0,05	7391477628204



Included in delivery

Wall brackets
Electrical connection wall box
User guide and installation instructions

Thermostat

Selectable time intervals:
5 h for 5 days, 7 h for 7 days or 12 h for 7 days

Heating demand

Rule of thumb: The heating demand can be calculated as 60-80 W/m² or 25-35 W/m³.

FAQ – Hot questions about oil-filled radiators

1. Question: I'm going to replace a radiator in a room. Can I assume that the location of the current radiator is appropriate and install the new one in the same spot?

Answer: In many cases, yes! It just depends on whether the sizing and calculation of the existing radiator were professionally performed. The ambition is always to place radiators under windows so that the columns of warm air from the radiator meet and counter the cold draughts coming from the windows. Keep in mind that the width of the radiator should preferably cover the largest possible amount of the window's width. The bottom section of the radiator should preferably rest around 100 mm above the floor. There should be at least 60-70 mm free space between the top section and any window sills. (Pax radiators are supplied in 2 different building heights: 300 mm and 500 mm) If the radiator must be placed against an interior wall (due to a lack of space), you should still try to place the radiator as close to an exterior wall as possible.

2. Question: Are there any technical details relating to construction that I should take into account?

Answer: Check the wall's construction. A Pax radiator can weigh slightly more than your previous radiator (refer to the weight table tab). Screw anchors may be required if mounting to plasterboard. The window sill should preferably have vent holes or slots so as to not hinder airflow up towards the window.

3. Question: Who may install Pax radiators?

Answer: Pax radiators are installed with a permanent electrical installation. For this reason, only licensed electricians may install them.

4. Question: Can Pax radiators be installed in wet zones (laundry rooms/bathrooms, etc.)?

Answer: Yes. However, the IP rating (IP24) means that the radiator should be placed in zone 2 or zone 3 *

5. Question: What savings can be achieved by decreasing the room temperature?

Answer: Every one degree reduction in temperature equals a reduction in heating cost of roughly 3-5%.

6. Question: Is the feeling of heat affected by air quality and air circulation?

Answer: Yes! Old air that is not replaced often enough is almost always the reason for high relative humidity in the indoor environment. High humidity can make the air feel clammy, which makes you want to raise the temperature, leading to increased heating costs. Therefore, check your ventilation at the same time as you upgrade your home's heating system. Visit pax.se and click Product or Ventilation to see our ventilation solutions.

** Learn more about IP ratings at sp.se (SP Technical Research Institute of Sweden)*



For a better home environment