BROOKVENT airtherm MONO

HEAT PUMP

A+++ ENERGY LEVEL

What is the airtherm MONO?

Airtherm mono heat pumps allow the use of ambient temperature to ensure efficient, maintenance-free heating and cooling for both residential and office buildings. Airtherm units, thanks to their high COP, enable four times more heat than the energy they use.

Airtherm Mono has been designed with the idea to lower energy consumption and turn on the noise level.

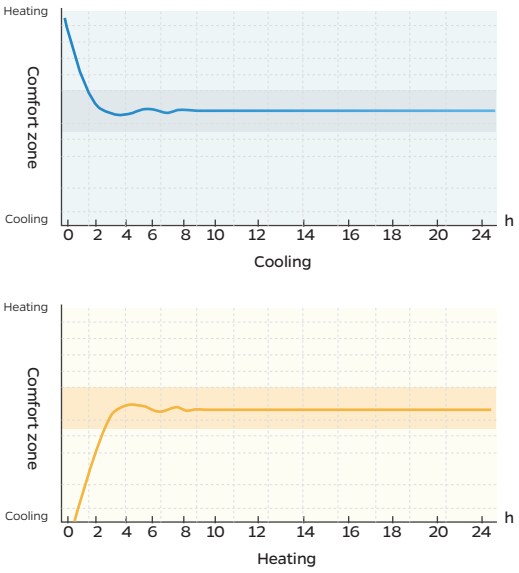
Airtherm Mono provides high heating and drawing efficiency as well as a modern, elegant look.

Range of products

Model				Ambient temperature/water temperature A7/W35		
	Power	Refrigerant	Compressor	Heating power [kW]	Energy consumpt. [kW]	COP
Airtherm mono 9kW	220-240V~50Hz/1Ph	R32 / 1.4kg	Panasonic	3.8-9	0.89-2.48	3.63
Airtherm mono 12kW	220-240V~50Hz/1Ph	R32 / 1.8kg	Panasonic	3.8-11	0.89-3.06	3.6
Airtherm mono 15kW	220-240V~50Hz/1Ph	R32 / 1.8 kg	Panasonic	5.5-15	1.31-4.11	3.65

Inverter Compressor

The use of an inverter compressor makes it possible to start the power device according to the users' needs and maintain the temperature, which translates into real energy savings. Automatic, smooth adjustment along with the hanging perimeter mounting system minimizes vibrations and enables proper quiet operation of the device. (blue cooling, orange heated)



Enhanced Vapor injection (EVI) technology

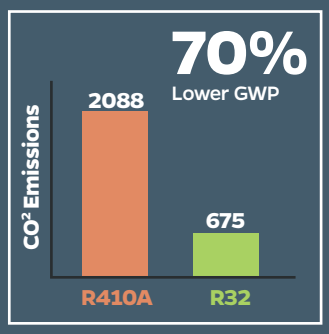
The use of optimized vapor injection technology allows for a significant increase in operational efficiency. Thanks to this, the device can work even at ambient temperature -35°C. offering users comfortable home heating and a stable supply of hot water throughout the year.

Remarkably quiet performance

The use of a special design of fan blades together with an efficient DC motor and a vibration damping system allows for extremely quiet operation of the device. The noise level is 10 dB

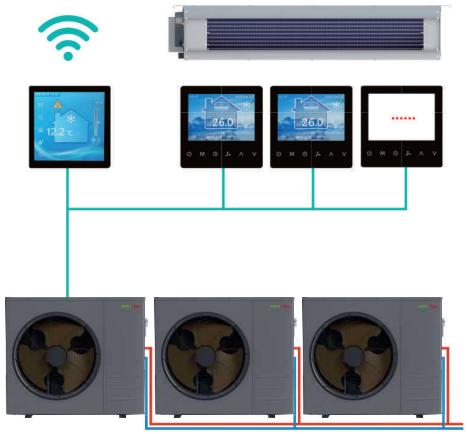
R32 refrigerant

The use of the environmentally friendly R32 refrigerant allows you to increase the efficiency of the device by 10-20% compared to the popular R410A refrigerant, while significantly reducing the global warming potential (GWP) by up to 70%.



App control

For increased comfort, it is possible to control the device both using the built-in control panel and via the WiFi network thanks to a dedicated application.



Intelligent digital control - benefits:

Easy integration
- possible integration with room thermostat

WiFi control
- ability to operate the device via a mobile phone

Shared control
- supports up to 8 devices

Modern and user-friendly touch controller

Model		airtherm mono 9 kW	airtherm mono 12kw	airtherm mono 15 kW
Power supply	/	220-240V~50Hz/1Ph		
Heating conditions /Ambient temperature (DB/WB): 7/6° C. Water temperature (inlet/outlet): 40/45°C.				
Heating power	kW	3.8~9.0	3.8~11.0	5.5~15.0
Power consumption	kW	0.89~2.48	0.89~3.06	1.31~4.11
COP	/	4.25~3.63	4.25~3.6	4.20~3.65
Heating conditions /Ambient temperature (DB/WB): 7/6° C. Water temperature (inlet/outlet): 30/35°C.				
Heating power	kW	3.7~8.5	3.7~10.7	5.2~14.6
Power consumption	kW	0.67~1.91	0.67~2.40	0.94~3.28
COP	/	5.55~4.45	5.55~4.46	5.56~4.45
Heating conditions /Ambient temperature (DB/WB): 35/24° C. Water temperature (inlet/outlet): 12/7°C.				
Heating power	kW	2.3~6.5	2.3~8.0	3.2~11.0
Power consumption	kW	0.65~2.45	0.65~3.04	0.90~4.10
EER	/	A+++	A+++	A+++
Level ErP (35°C)	/	4.81	4.82	4.82
Level ErP (55°C)	/	A++	A++	A++
Water circuit	m^3/h	1.1	1.4	1.9
Refrigerant	kg	R32/1.2kg	R32/1.2kg	R32/1.8kg
Acoustic pressure (1m)	dB(A)	42	43	45
Acoustic power wg. EN12102 (35°)	dB(A)	57	59	60
Enclosure	/	Galvanized steel + ABS		
Compressor	/	Panasonic Inverter EVI		
Fan	/	DC		
Ambient temperature	°C	-35°43		
Acoustic pressure (1m)	cal	1	1	1,2
Weight	kg	74	78	91
Unit dimensions (length/width/height)	mm	1000×440×765	500x300x790	1100×440×945