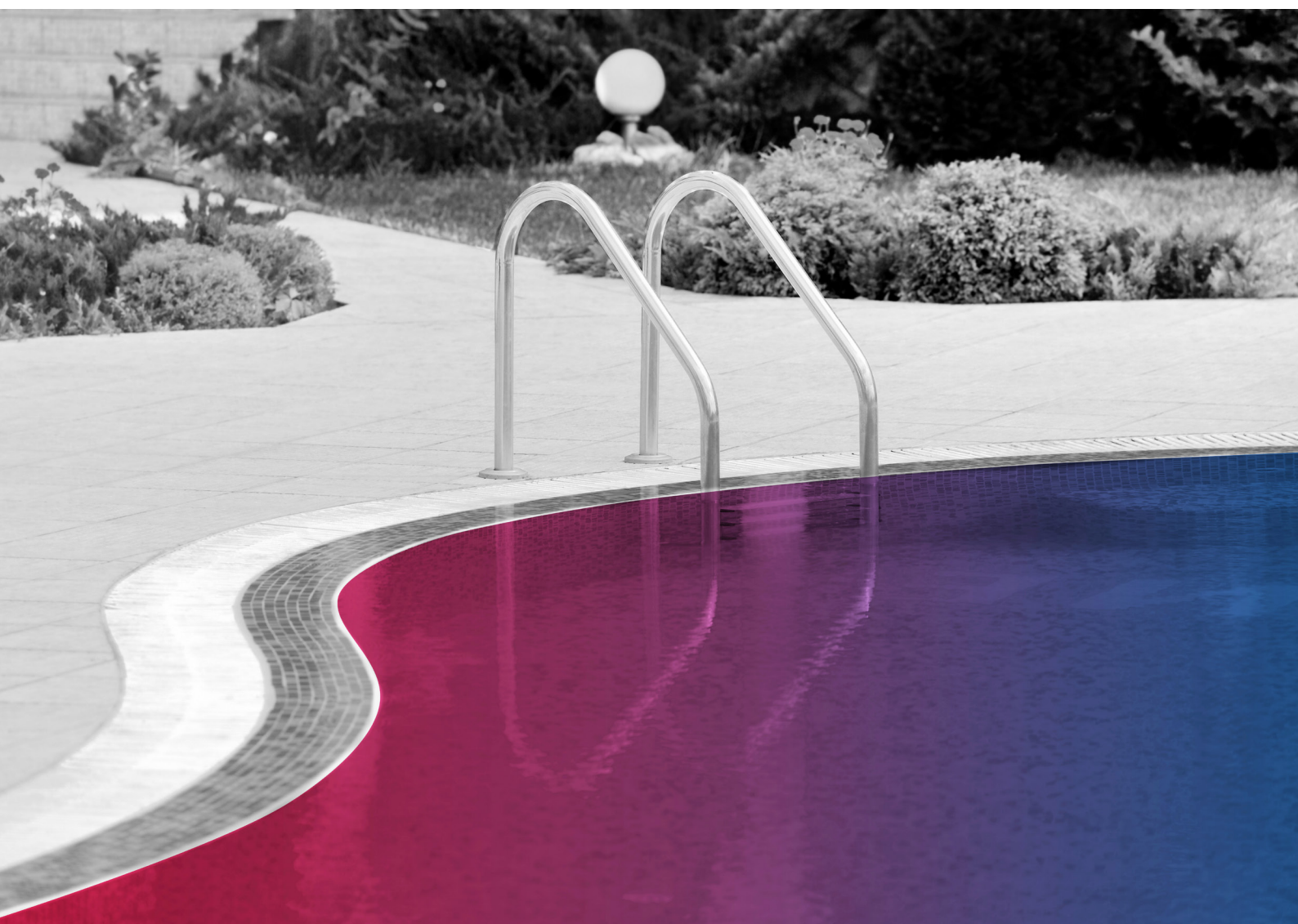


HPP 6-8-12-15-20
POOL HEAT PUMPS



Dantherm[®]
CONTROL YOUR CLIMATE

HEATING FOR OUTDOOR SWIMMING POOLS

SUSTAINABLE AND ENERGY-EFFICIENT

Dantherm's new range of HPP heat pumps is specifically designed for heating small and medium sized outdoor swimming pools and spas.

HPP heat pump will produce up to five times the energy it consumes.

The low energy consumption coupled with high heat production makes the HPP heat pump an environmentally friendly way to heat your swimming pool.

Unlike alternative ways of heating pools, the HPP heat pump requires no fuel storage tank or high capacity electrical supply. It produces no smell, fumes or CO2 gases.

HPP heat pumps are designed to work all year round when temperatures are above 3°C. Thus, the pool season can be extended for several months.

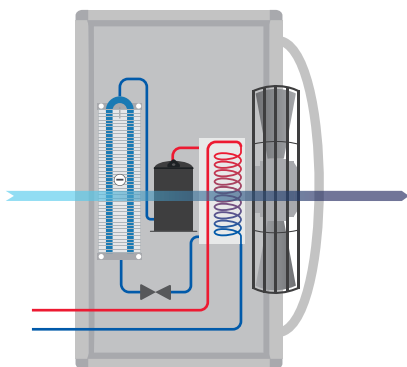
Rapid installation, flexible operation

Dantherm HPP heat pumps are easy to install and fully self-contained units. When it comes to operation, the HPP units offer a quiet, reliable, and safe performance.

KEY FEATURES

- Nice design
- Low sound level
- ABS cabinet
- Scroll or rotary compressor
- Titanium heat exchanger
- Reverse cycle defrost – operation down to 3°C air temperature
- Can heat pool water to 40°C
- 'Smart' pool pump control
- Condensate collection
- Water flow switch
- Pressure gauge





How it works

In a Dantherm HPP heat pump hot refrigerant passes through a condenser coil with pool water and the hot refrigerant gives up its heat to the cooler pool water. The heated pool water circulates back to the pool and

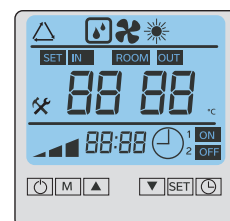
the now cold refrigerant returns to its former liquid state. The liquid refrigerant passes through an expansion valve and then through an evaporator where it is heated by energy extracted from the warm ambient air. Now the preheated refrigerant is ready to be compressed and the process starts all over again.

Control

The HPP heat pump has an integrated controller with a touchscreen user interface.

The basic functions are:

- Heat pump ON/OFF
- 24-hour time clock
- Timer ON/OFF
- Parameter adjustment



APPLICATIONS

- Outdoor swimming pools and spas
- Fresh water pools
- Salt water pools (up to 3% salt)
- Therapy pools

ACCESSORIES

- Winter protection cover

		HPP 6	HPP 8	HPP 12	HPP 15	HPP 20
Operating range - air temperature	°C	3-35				
Operating range - water temperature	°C	15-40				
Heat output*	kW	5,64	6,44	9,40	13,44	22,00
COP*		4,70	4,60	4,70	4,80	4,40
Nominal air flow +/- 10%	m ³ /h	2.200	2.000	3.900	3.800	7.000
Nominal water flow +/- 10%	l/h	3.000	4.200	5.400	7.200	9.000
Power supply		230 V/50 Hz				400 V/3ph/50 Hz
Sound level (3 m distance)	dB(A)	<37	<38	<39	<39	<41
Material - cabinet		ABS				
Colour - cabinet		Merlin grey RAL 1804005				
Material - heat exchanger		Titanium				
Refrigerant		R410a				
Compressor type		Rotary			Scroll	
Dimensions (H x D x W)	mm	654 x 405 x 968	654 x 405 x 968	709 x 490 x 1130	709 x 490 x 1130	809 x 520 x 1299
Weight, net	kg	51	53	72	93	117

* at 26°C water temperature and outside condition 15°C, 65% RH.

ABOUT THE DANTHERM GROUP

Control your climate

The Dantherm Group is a leading provider of climate control products and solutions. The group companies have more than 60 years of experience in designing and manufacturing high quality and energy efficient equipment for heating, cooling, drying and ventilation for a wide range of mobile and fixed applications.

Every year Dantherm Group uses significant resources on product development to stay in the forefront and is constantly adapting the products to changing market demands and legislation.

The Dantherm Group has a number of strong brands with well-established market positions in the mobile, pool, commercial/industrial and residential markets.

Dantherm Group customers benefit from our comprehensive knowledge base and the experience and expertise that we have gained from more than three million climate control products and solutions sold worldwide.

Global reach

The Dantherm Group is headquartered in Skive, Denmark and has an own market presence in Norway, Sweden, United Kingdom, Germany, Switzerland, Italy, Spain, Poland, Russia, China and United Arab Emirates.

In 2016 the Dantherm Group was acquired by the Swedish equity fund Procuritas Capital Investors V LP – a strong owner with the ambition to continue the development and growth of the company.

AERIAL[®]

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CLIMATE SOLUTIONS

Dantherm A/S

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HeatPumps
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