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

Dantherm®
CONTROL YOUR CLIMATE
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

<table>
<thead>
<tr>
<th></th>
<th>HPP 6</th>
<th>HPP 8</th>
<th>HPP 12</th>
<th>HPP 15</th>
<th>HPP 20</th>
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<tbody>
<tr>
<td>Operating range - air temperature °C</td>
<td>3-35</td>
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<tr>
<td>Operating range - water temperature °C</td>
<td>15-40</td>
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<tr>
<td>Heat output* kW</td>
<td>5.64</td>
<td>6.44</td>
<td>9.40</td>
<td>13.44</td>
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<tr>
<td>COP*</td>
<td>4.70</td>
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<td>Nominal air flow +/- 10% m³/h</td>
<td>2.200</td>
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<td>3.900</td>
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<tr>
<td>Nominal water flow +/- 10% l/h</td>
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<td>4.200</td>
<td>5.400</td>
<td>7.200</td>
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<td>Power supply</td>
<td>230 V/50 Hz</td>
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<td>Sound level (1 m distance) dB(A)</td>
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<td>&lt;47</td>
<td>&lt;48</td>
<td>&lt;48</td>
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<tr>
<td>Material - cabinet</td>
<td>ABS</td>
<td></td>
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<tr>
<td>Colour - cabinet</td>
<td>Merlin grey RAL 1804005</td>
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<tr>
<td>Material - heat exchanger</td>
<td>Titanium</td>
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<td></td>
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<td>Refrigerant</td>
<td>R410a</td>
<td></td>
<td></td>
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<td>Compressor type</td>
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<td>Scroll</td>
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<td>Dimensions (H x D x W) mm</td>
<td>654 x 405 x 968</td>
<td>654 x 405 x 968</td>
<td>709 x 490 x 1130</td>
<td>709 x 490 x 1130</td>
<td>809 x 520 x 1299</td>
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<tr>
<td>Weight, net kg</td>
<td>51</td>
<td>53</td>
<td>72</td>
<td>93</td>
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* at 26°C water temperature and outside condition 15°C, 65% RH.
ABOUT THE DANHERM 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.

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