HortiCooler
Model OPAC 106
Creating the perfect greenhouse climate.
Powered by HortiDutch
A story about The Perfect Rose.

The rose is an ancient symbol of love, romance and passion. Not coincidentally, these are the same ingredients of what is required to cultivate the perfect rose. Porta Nova is the biggest grower of the world-famous ‘Red Naomi’ rose and has a passion to create the world’s best rose. At any given moment in countries across the world, romantics are making someone smile by giving this perfect rose, originating from a Porta Nova greenhouse. What’s their secret ingredient in growing these perfect roses? A perfect greenhouse climate, created by the HortiCooler.
Creating perfect, homogeneous climate conditions the easy way. The HortiCooler can cool, heat, and dehumidify all greenhouses. No matter the surface area, geographical location or crop.
The energy-efficient EC motor drives the fan that takes in warm and humid air through the bottom intake, with a volume of up to 3600 m³/h. The heat exchanger inside cools the air while also condensing water up to 22.6 liter per hour.
Because the heat exchanger can be connected to a hot and cold water supply, it is capable of both heating and cooling.
Partnership

LEK/HABO is a family business that has been active in the energy and installation sector for decades. In 2010 they collaborated with the Wageningen University to develop the HortiCooler OPAC 106.

In collaboration with HortiDutch®, LEK/HABO designs every HortiCooler system to ensure it will provide the optimal conditions for the targeted crop.
Every HortiCooler system is custom installed to meet the optimal climate conditions, considering the greenhouse cultivation, external climate conditions and climate homogeneity.
Improving
- Greenhouse climate control
- Yield quality
- Yield quantity
- CO₂ levels
- Internal air circulation
- Humidity level
- Homogeneity
- Micro-climate

Reducing
- Fungi and mold
- Diseases
- Use of fossil fuels for heating
- Water consumption
- Deficiency symptoms
- Loss of CO₂
- Air exchange with outside air
- Required water temperature
The HortiCooler is designed to withstand any greenhouse environment for many years and is easily accessible for cleaning or maintenance to always keep your climate in optimal conditions.
www.horticooler.com