

TETRIS W REV OH HWT



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High efficiency water source heat pump for geothermal applications
20÷80 kW

BlueBox 
by Swegon



A cross-section diagram of a building with a geothermal loop. A red line (heating) and a blue line (cooling) run vertically through the ground, connected to the building's foundation. The building is shown with trees and a car in the background.

TETRIS W REV OH HWT OPTIMIZED FOR GEO THERMAL APPLICATIONS

Bluethink advanced control
with integrated web server

Blueye supervision
system (option)

Multilogic function for
multiple units' system (option)

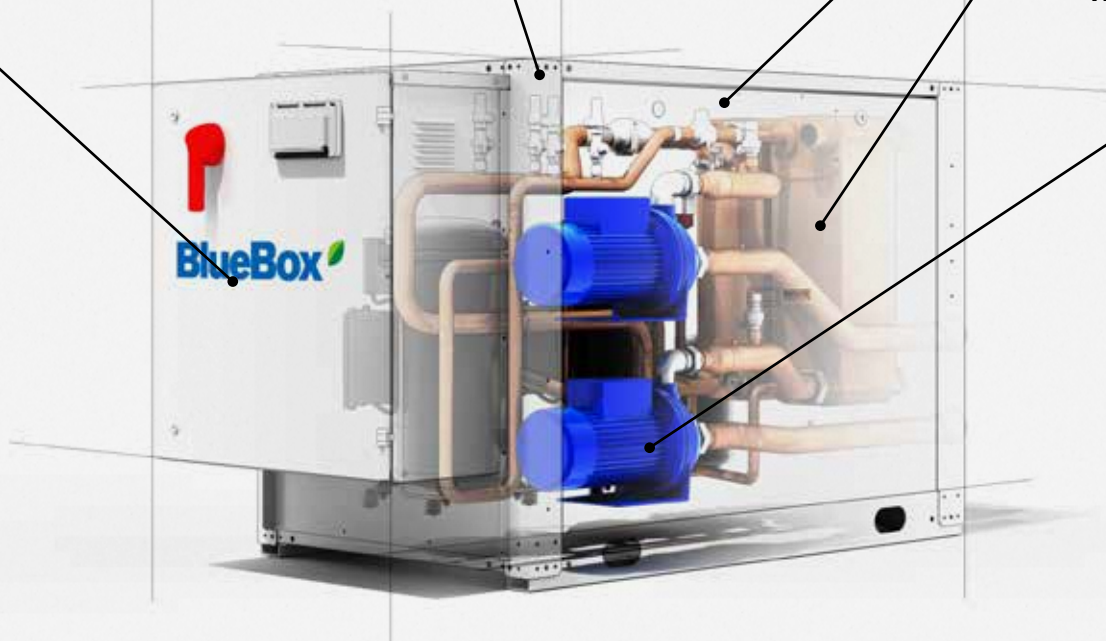
Hot water production up to 65°C

Domestic hot water management
always available

Stackable units

Optimized sound
level as standard

Integrated
hydraulic
module



General

High temperature non reversible heat pump specifically designed for Geothermal applications. Optimized in terms of flexibility hydraulics and sound levels..

Configurations

MOIB: integrated hydraulic module as option

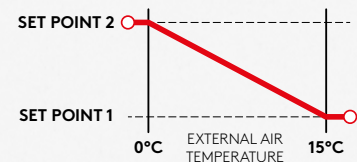
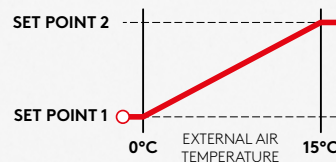


FLOATING SET POINT



SET POINT COMPENSATION DEPENDING ON EXTERNAL AIR TEMPERATURE

The set point of the unit is set so that it can vary between two values, a maximum and a minimum, depending on the external air temperature. The compensation ramp and the maximum and minimum values of the set point can be changed by the user.

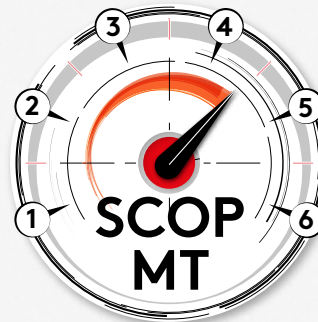


EFFICIENCY

up to
5.47



User-side heat exchanger water inlet/outlet temperature 30/35°C (SCOP LT),
Average climate profile, with reference to regulation 2013 / 813
and norm EN14825.



up to
4.46

User-side heat exchanger water inlet/outlet temperature 47/55°C (SCOP MT),
Average climate profile, with reference to regulation 2013 / 813
and norm EN 14825.

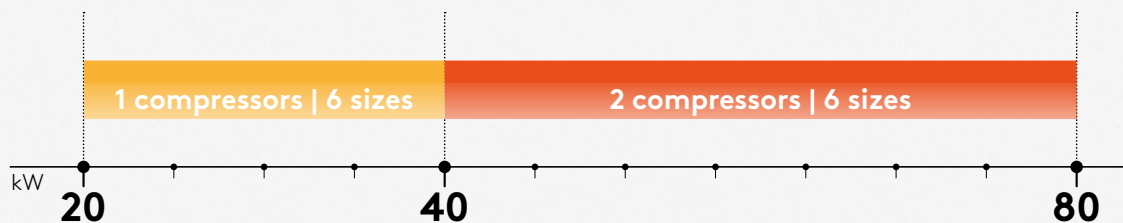
DOMESTIC HOT WATER

The unit can also supply domestic hot water (option) by **3-way valve**

Tetris W OH HWT allows to cover the whole thermal load requirement of the system, ensuring the space heating/cooling and also the request of domestic hot water. Satisfying these needs by means of a single unit offers a simpler, cost-efficient solution.

**HOT
WATER
UP TO
65°C**

CAPACITY RANGE



EN 14511 Heating: 60 / 65°C; water -3 / 0°C



EASY INSTALLATION

Tetris W Rev OH HWT provides a lot of options and pumping configurations to suit every requirements.

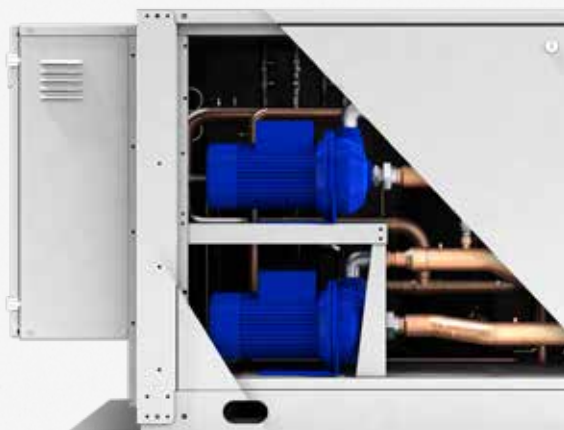
This means:

- Less design time
- Quicker and less cost for installation team
- Reduced refrigerant charge.
- Reduced unit footprint
- Less connections for easier installation

BUILT-IN HYDRAULIC MODULE

TETRIS W Rev OH HWT can be fitted with different hydraulic modules:

- 1 or 2 pumps (source or user side)
- a check valve on the delivery side of each pump
- 1 or 2 pumps oversized (source or user side)



STACKABLE UNITS

MORE CAPACITY → SAME SPACE

Unit's design allows to stack one unit above the other to increase the capacity without affecting the needed footprint.

Up to
130 kW/m²




BLUE ● ● ● ● ● ● ● ● THINK

Monitoring, performance reports, full management.
Blue Box control platform allows a total access to the machine from any device, in complete autonomy.

Integrated web server



- SET POINT**
operating set point
- MODE**
unit mode (heating, cooling)
- UNIT**
visual status of unit (circuits, compressors..)
- GRAPHS**
real time diagrams of main variables (temperatures, pressure..)
- INPUT/OUTPUT**
status of inputs / outputs (digital and analogic)
- MULTILOGIC**
management of multiple units
- LOGS**
download and analyze unit data history



BLUEYE CONNECT


REMOTE ACCESS TO UNIT

SAVE MONEY
FAST SERVICE

BLUEYE CLOUD


CLOUD RECORDING DATAPOINTS


PREDICTIVE MAINTENANCE
CUSTOMER REPORTING
ANALYSIS



SYSTEM SCALABILITY

SIMULTANEOUS MANAGEMENT
OF UP TO
6 UNITS
(500 KW)

**DHWT** ◀
PRODUCTION

**PLANT** ◀
MANAGEMENT

