SIGMA SKY OH TB R6

High temperature water/water
Heat Pump
70÷260 kW

WESTERN™ AIRCONDITIONING WARMTEPOMPEN

BlueBox by Swegon

SIGMA SKY OH TB R6

TEMPERATURE BOOSTER OPTIMIZED FOR HIGH WATER TEMPERATURES PRODUCTION

LEAVING WATER TEMPERATURE UP TO

80°C

Bluethink advanced control with integrated web server

Blueye supervision system (option)

Multilogic function for multiple units' system (option)

Compatible with Flowzer option

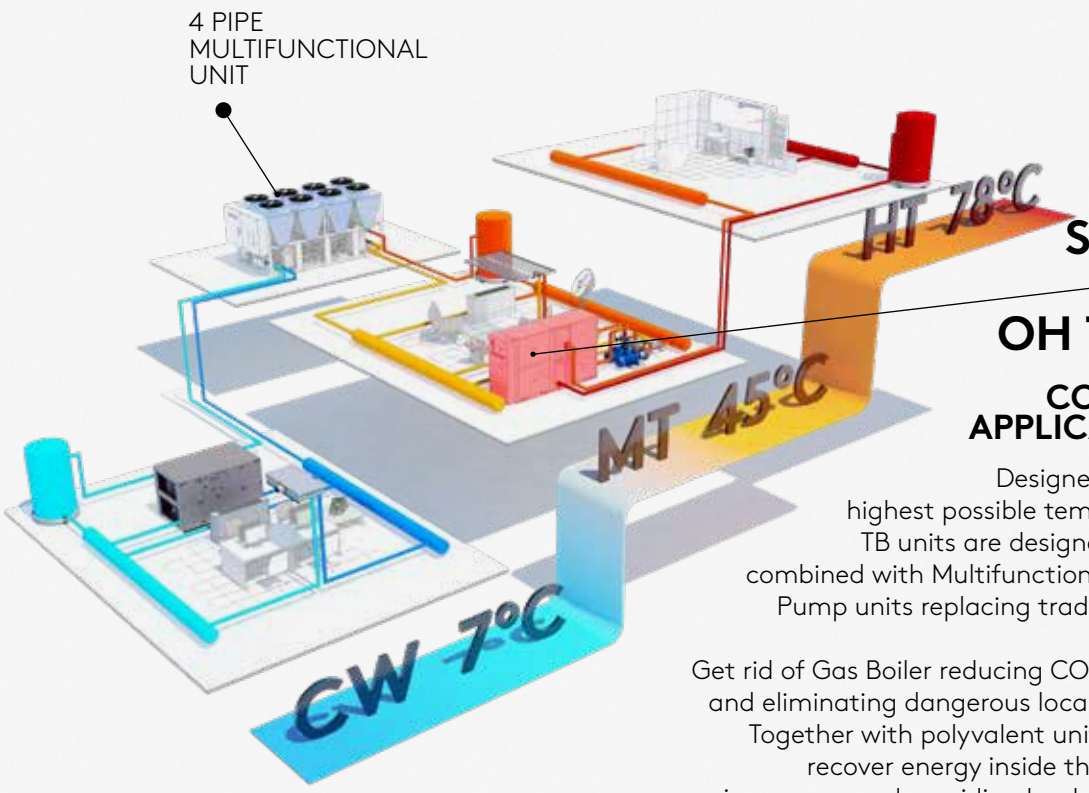
Wide operating limits

Wide range, high redundancy, high reliability

General
Non reversible water/water heat pump specifically designed to reach high water temperature levels.
R513A refrigerant scroll compressors.

Configurations
OH: standard non reversible heat pump
LN: low noise version
MOIB: integrated hydraulic module as option
PIE: Arrangement for outdoor installation

APPLICATIONS

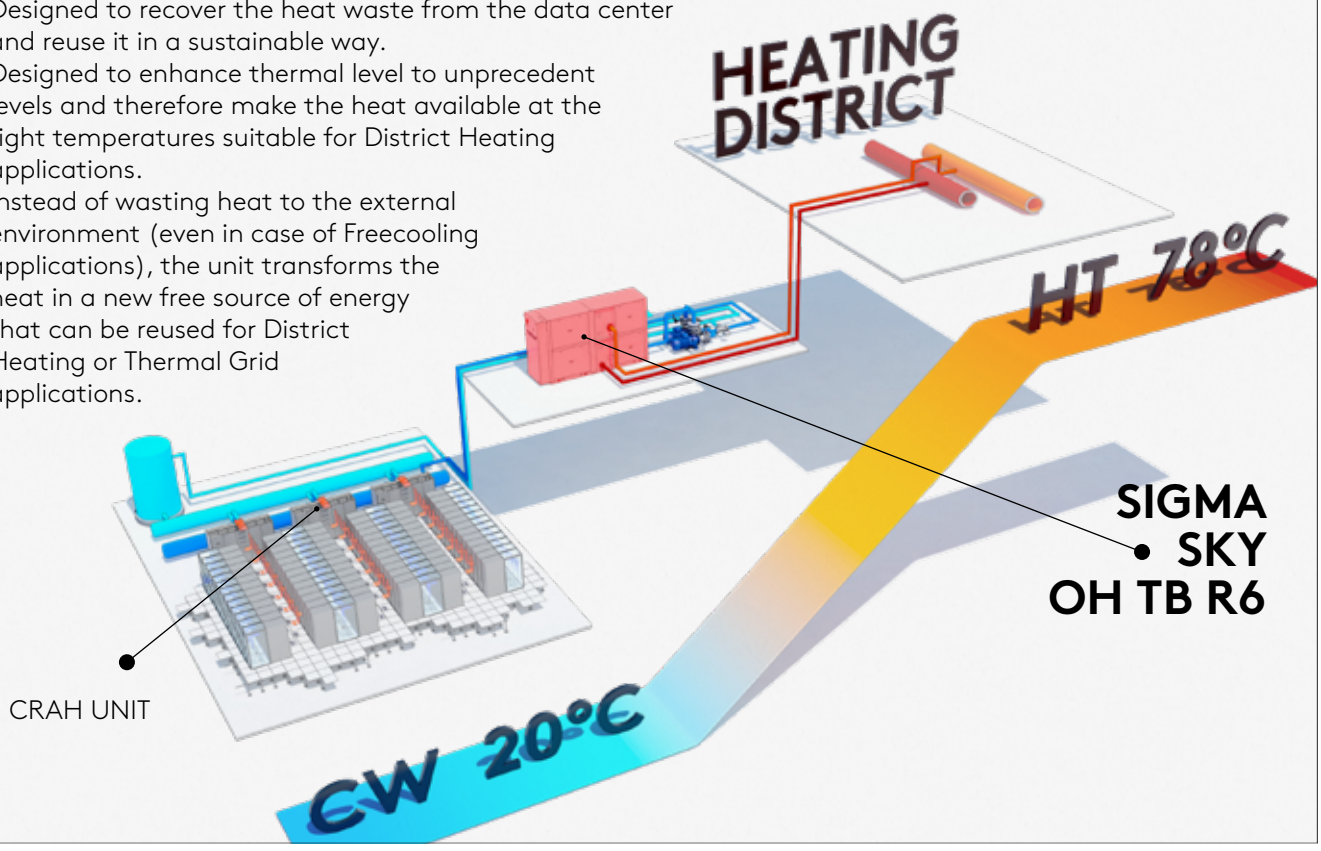


COMFORT APPLICATIONS

Designed to reach highest possible temperatures. TB units are designed to work combined with Multifunctional or Heat Pump units replacing traditional gas boilers.
Get rid of Gas Boiler reducing CO2 emission and eliminating dangerous local pollution.
Together with polyvalent units allow to recover energy inside the building, recovering energy and providing loads at several different levels allowing unbelievable energy saving and reducing energy consumption of the whole building.

IT COOLING APPLICATIONS

Designed to recover the heat waste from the data center and reuse it in a sustainable way.
Designed to enhance thermal level to unprecedent levels and therefore make the heat available at the right temperatures suitable for District Heating applications.
Instead of wasting heat to the external environment (even in case of Freecooling applications), the unit transforms the heat in a new free source of energy that can be reused for District Heating or Thermal Grid applications.



DOMESTIC HOT WATER

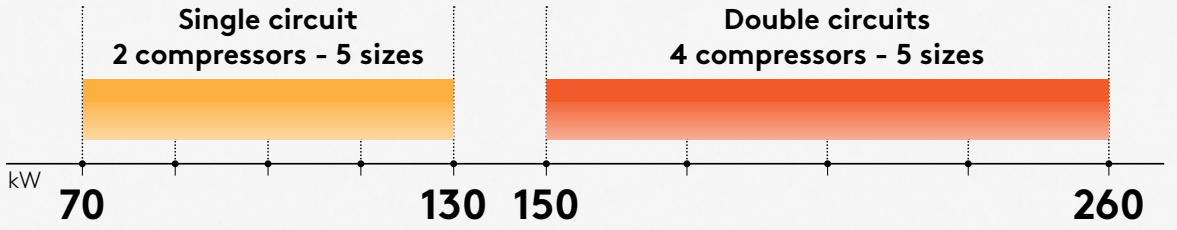
The unit can supply DHW with high efficiency given the installation of specific compressors and heat exchangers.

HOT WATER UP TO 80°C

CAPACITY RANGE EFFICIENCY*

UP TO 4.57

SCOP MT



User 70/78°C source 45/40°C - EN14511
*User-side heat exchanger water inlet/outlet temperature 47/55°C (SCOP MT), Average climate profile, with reference to regulation 2013 / 813 and norm EN14825.

EASY INSTALLATION

Sigma Sky OH TB R6 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 unit footprint**
- **Less connections for easier installation**

BUILT-IN HYDRAULIC MODULE

Sigma Sky OH TB R6 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)

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

BOOSTERLINK System Integration

- Optimal synergy between the Swegon units
- 3-way valve control of the TB source temperature
- A single-point of control and monitoring

BOOSTERLINK

Swegon Heat Pump
@ medium temperature

Temperature Booster

BLUEYE CONNECT

REMOTE ACCESS TO UNIT

SAVE MONEY
FAST SERVICE

BLUEYE CLOUD

CLOUD RECORDING DATAPOINTS

PREDICTIVE MAINTENANCE
CUSTOMER REPORTING
ANALYSIS

FLOWZER

INVERTER-DRIVEN PUMPS CONTROL MANAGEMENT FOR DIFFERENT SYSTEM LAYOUTS

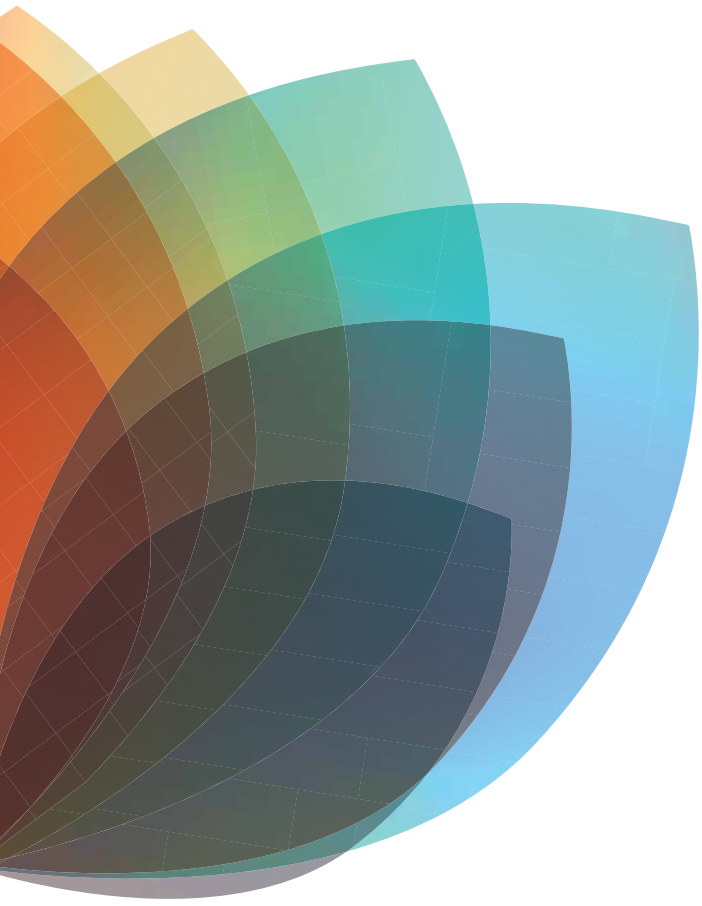
CONSTANT FLOW
- Simpler site's settings to achieve a real constant flow

CONSTANT HEAD PRESSURE
- The right pressure to the users in any condition

VARIABLE FLOW
- Full control of one unique hydraulic loop
- Primary/Secondary Loop, the right solution for any layout

UP TO
-53%
compared to nowadays common layout: primary fixed + secondary variable

Feel good **inside**



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