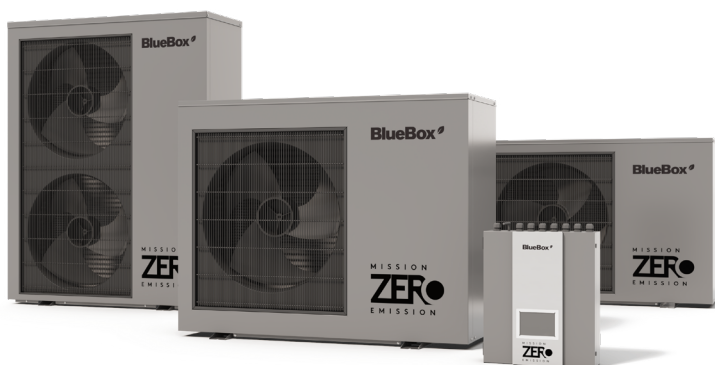


TAU Zero Hi HP



TAU Zero Hi HP

Reversible air source inverter
heat pump for residential
applications

8÷15 kW

BlueBox 
by Swegon

TAU Zero Hi HP

Reversible **air source heat pump** for residential applications

Refrigerant derived from nature **R290** (GWP≈0)

3 sizes (8,12,15 kW)

Full inverter scroll compressor

High water temperatures, **up to 70°C**

Low noise as standard

Advanced control with management of **two temperature levels**

Integrated **Wi-fi** connectivity



MISSION
ZERO
EMISSION

CLIMATE CHANGE FIGHT



EUROPEAN CLIMATE STRATEGY IS GOING TO BE UPDATED AND REINFORCED

TARGET

Reduction of **55%** Greenhouse Gas emission by **2030**

Increased **renewable energy** (above **32%**) by **2030**

Net-zero Greenhouse Gas Emission by **2050**



HOW?

F-gas regulation Regulation

Renewable Energy Directive

European Performance of Buildings Directive (**EPBD**)

Ecodesign **ERP** Directive

Keep temperature increase below **1.5°C**

Become a climate neutral economy

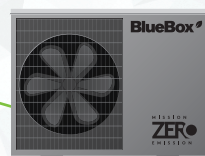
LOW NOISE

Not more than **50 dB(A)*** in all working conditions.

NIGHT SHIFT SYSTEM

function to reduce noise in critical period

TAU Zero Hi HP @ 1m

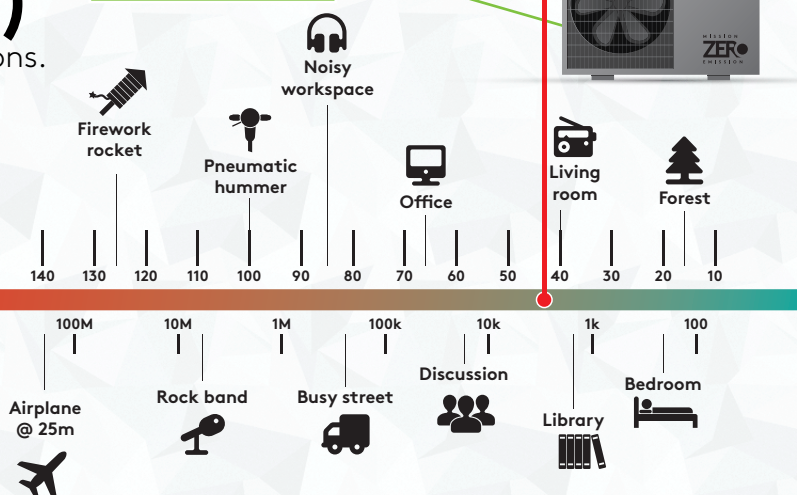


NOISE LEVEL

dB(A)

SOUND PRESSURE

μPa

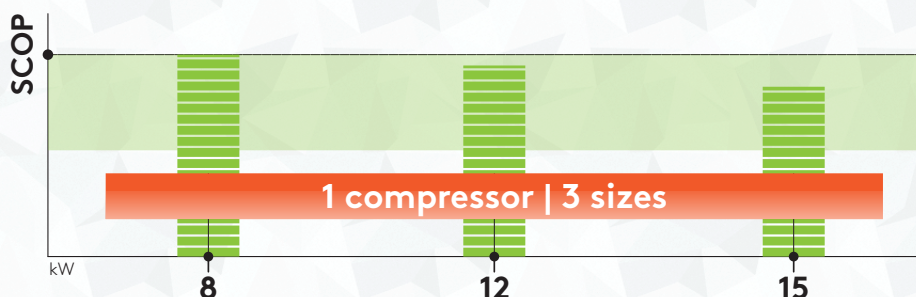


* Sound Pressure level at 1 meter free field conditions.

CAPACITY RANGE EFFICIENCY

Up to **4.97**

A+++
CLASS



EN 14511

Heating 30 / 35°C; External Air 7°C

INVERTER MEANS EFFICIENCY



► (BLDC) brushless driven by inverter

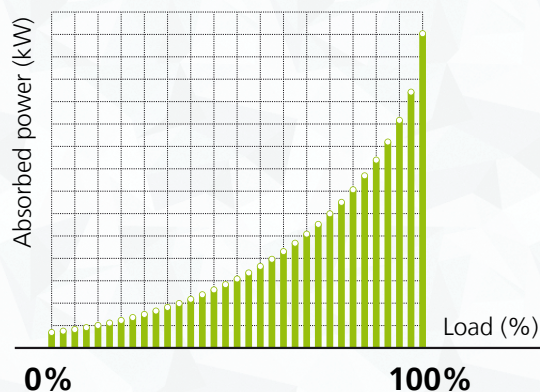


► DC pump on board



► DC Fans

In addition to the advantage of greater efficiency, the use of the inverter allows the unit to adapt its capacity to the effective heat load to satisfy.



DOMESTIC HOT WATER MANAGEMENT



The unit can also supply domestic hot water by 3-way valve.

TAU Zero Hi HP 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.

ADVANCED CONTROL

New **touch-screen display**

Simplified connection between indoor and outdoor unit via Modbus cable

Continuous water flow metering to allow supplied heating power monitoring



OPERATING LIMITS

Able to work in wide range of different temperature profiles:

external Temperature

from - 25°C up to + 45°C

Hot Water

up to

70°C

even

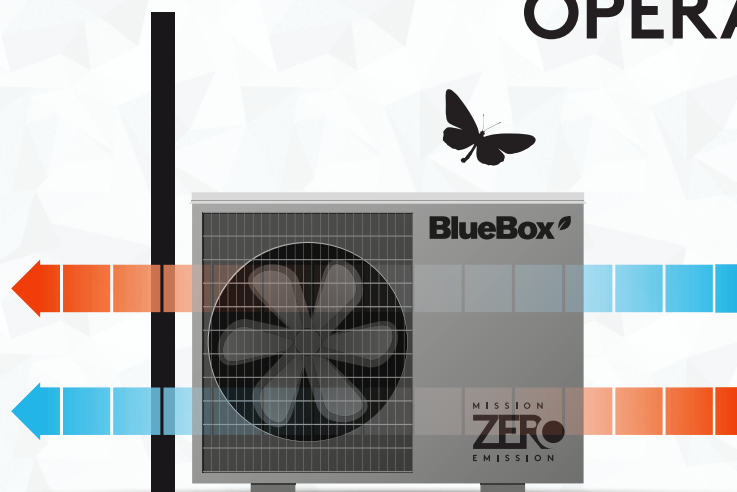
down to

-10°C

-25°C

45°C

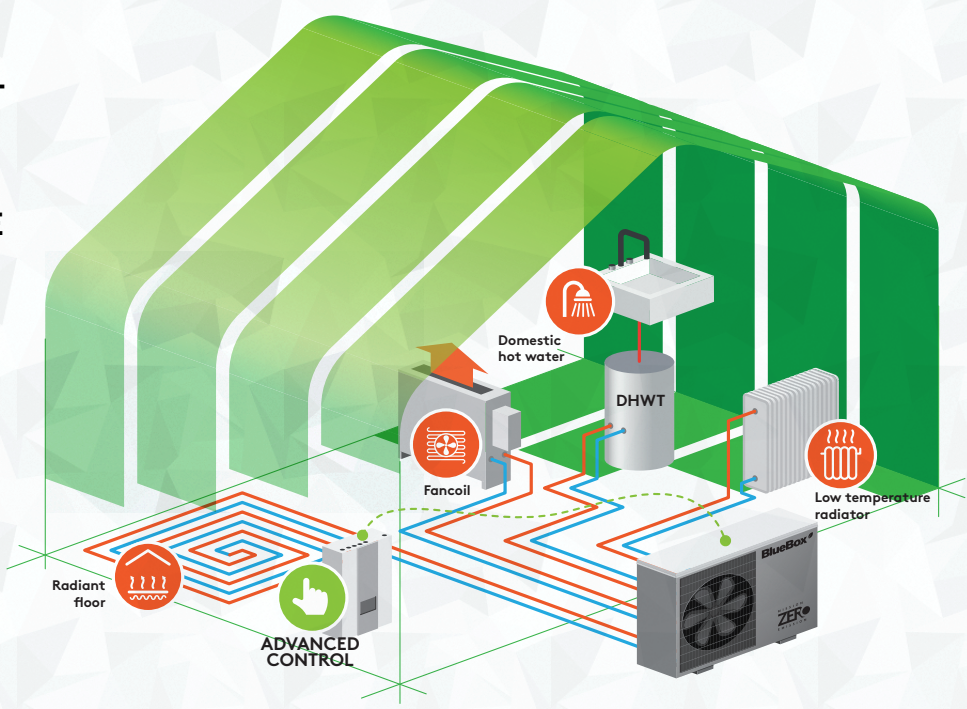
external temperature



CONTROL ► MAXIMUM FLEXIBILITY TO SUIT THE NEEDS OF LOAD AND INSTALLATION

MULTIZONE MANAGEMENT WITH CONTROL OF TWO TEMPERATURE LEVELS

The control, managing a 3-way diverter valve and two 3-way valves, in addition to the management of domestic hot water is able to control the water supply up to 2 areas where there is a low temperature radiator system (RA), a fan coil system (FC) or a system with radiant floor (FH).



MANAGEMENT OF AUXILIARY HEATING SYSTEM

ANTI-LEGIONELLA CYCLE MANAGEMENT

SMART GRID READY

TIME SLOTS PROGRAMMING

INTEGRATED WiFi

MANAGEMENT OF INTEGRATIVE SYSTEM FOR THE PRODUCTION OF DOMESTIC HOT WATER

FLOATING SET POINT BASED ON EXTERNAL TEMPERATURE

HISTORICAL ALARM RECORDING

ENERGY MONITORING VIA OPTIONAL ENERGY METER

VACATION MODE

DEDICATED APP

Dashboard
Real-time monitoring and analytics across all installations

Notifications
Real-time notifications filtered by types: alarms, warnings, info

User guide

Feel good **inside**

