

EPSILON Zero Hi



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Reversible or only heating heat pumps with inverter compressor
14÷45 kW

BlueBox 
by Swegon

EPSILON Zero

Powering Comfort in shared and private spaces

Ready for Multi-Family Housing

Allows easier
replacement of boilers
thanks to its envelope and
flexibility on water side

Minimized safety area

Compliant
to residential requirements
for harmonic currents and EMC emission

Optimized for Light Commercial applications

Compact footprint
(1,35 m² for 45 kW size)

Reduced sound pressure level
always lower than 50 dB(A)
at 10 meters at maximum load

Integrable with AHU systems



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**)

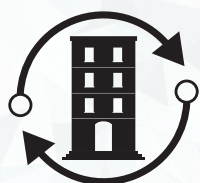
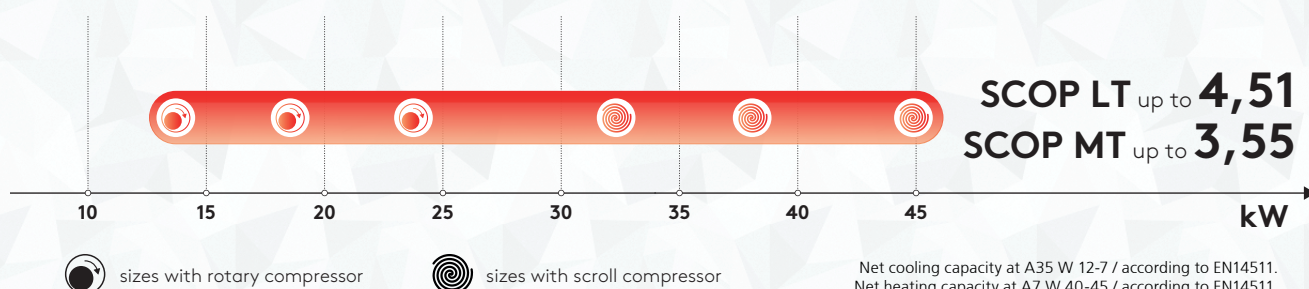
Ecodesign **ERP** Directive

Keep temperature increase below **1.5°C**

Become a climate neutral economy



CAPACITY/EFFICIENCY

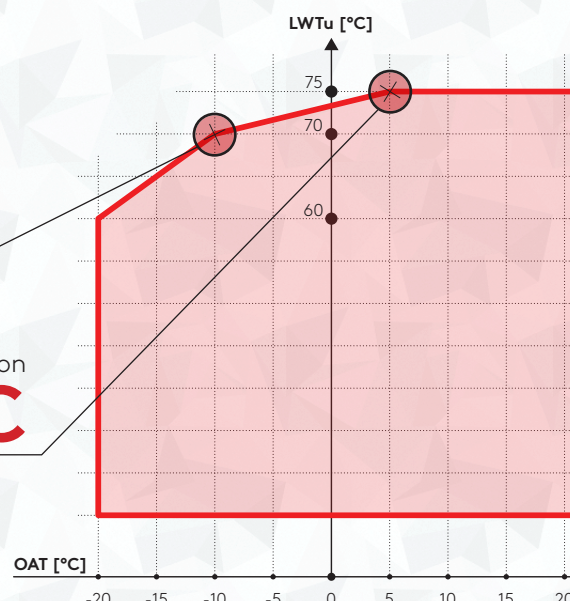


FIT FOR RETROFIT

suitable for any climate condition
up to **70°C @ -10°C**

ideal for heating and hot water production
up to **75°C @ 5°C**

SURFING THE RENOVATION WAVE



R290 REFRIGERANT

Derived from nature
Minimized charge
(less than 60g/kW)

FULL INVERTER

Compressors driven by inverter
EC Fans

WATER SIDE PROTECTION

Integrated air-refrigerant
separator and water
safety valve for
conformity to
EN60335-2-40

Integrated flow meter for
continuous monitoring of
flow rate

INSTALLATION FLEXIBILITY

Only heating version
available to
support large user ΔT
requirement

Multiple hydraulic kits
(with standard
or oversized pump
and with or
without tank)

DERIVED FROM NATURE DESIGNED FOR HEATING



CONTROL LOGIC MAIN FEATURES



MULTILOGIC

Ready for cascade system, no need of external hardware



FLOWZER

Inverter-driven pumps control management
for different system layouts



DHW

OPTIMIZATION

DEDICATED NEW ALGORITHMS FOR DOMESTIC HOT WATER PRODUCTION

Multilogic DHW for production
of domestic hot water with master-slave configuration

Dedicated water flow rate setting
to optimize heat exchange on DHW coil

Anti legionella treatment through heat pump
without external heater activation

EPSILON Zero
(heat pump)



GOLD

(air handling unit)



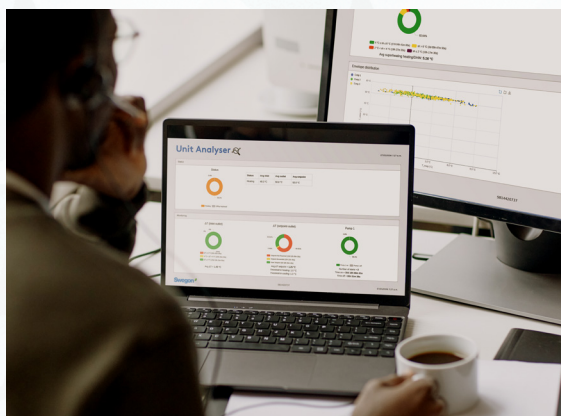
SYSTEM INTEGRATION

SMART Link+ FOR WATER COILS

Modulation of water temperature according to real time load to reduce energy consumption up to 15%

SWEGON Inside

Our digital services are gathered under the name of Swegon INSIDE. These services allow different target groups to monitor, control and visualise compatible units in an HVAC solution, as well as the indoor climate inside a building.



Unit Analyser

ANALYSE YOUR HEAT PUMP AT A GLANCE

Simple and intuitive KPIs dashboards for in-depth
data analysis of BlueBox units

Fine-tuning and optimization tools

Alarms log monitoring and history

Automated generation of recurrent reports about
performance and energy consumption

Feel good **inside**

