

range  
**Bi2 TERMINAL UNIT**

**Bi2 wall<sup>(3)</sup>**  
Fan coil **WALL INVERTER** ultraslim



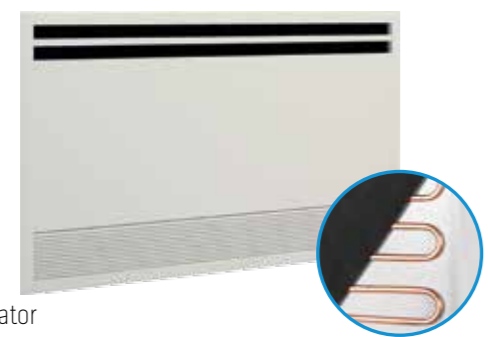
**Bi2**

**INVERTER TOTAL FLAT** fan coil radiator with heating panel



**Bi2 naked**

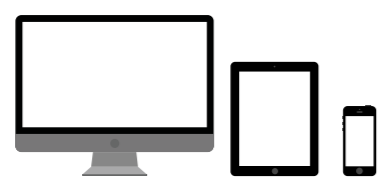
**INVERTER RECESSED** fan coil radiator with heating panel



**AQUADUE<sup>®</sup> CONTROL**



**APP SiOS**



**OS**  
Olimpia  
Splendid

**Management and control system**

**OLIMPIA  
SPLENDID**  
HOME OF COMFORT

**THE SiOS BENEFITS compared against traditional boiler + radiator + split**

- Year-round climate control (heating, cooling and dehumidification) in a single system
- Low-temperature system (40\*\* vs 70° traditional boiler + radiators systems)
- Use of renewable energy (RES Directive)
- Energy class improvement of building
- Turbo ventilation: faster set-point response
- Zero CO<sub>2</sub> emissions in the environment
- Independence from fossil fuel
- Compact, modular system: compact heat pump with boiler 150 lt integrated and slim fan coil unit (only 12.9 cm deep), with the possibility of flush-mounting on wall or ceiling
- Up to 40% electricity bill saving\*\*

**THE SiOS BENEFITS compared against condensing boiler + radiant floor system**

- Year-round climate control (heating and cooling) without need for separate cooling system
- Dehumidification system built into terminals
- Use of renewable energy (RES Directive)
- Energy class improvement of building
- Lower system installation costs
- Turbo ventilation: faster set-point response
- Zero CO<sub>2</sub> emissions in the environment
- Greater flexibility: temperature adjustment and dehumidification depending on needs of each room
- Independence from fossil fuel
- Compact, modular system: compact heat pump with boiler 150 lt integrated and slim fan coil unit (only 12.9 cm deep), with the possibility of flush-mounting on wall or ceiling

**THE SiOS BENEFITS compared against heat pump + traditional fan coil system**

- Terminals with DC inverter motor (consumption -30%)
- Greater efficiency at low temperature
- Static radiation thanks to radiant panel
- Even distribution of thermal loads
- Night mode: ventilation switched off
- Extremely silent system: as low as 0 dB
- BUS mode supervision possible: may be included in home automation system
- Clean input contact for sensor connection (presence/window)
- Compact, modular system: compact heat pump with boiler 150 lt integrated and slim fan coil unit (only 12.9 cm deep), with the possibility of flush-mounting on wall or ceiling
- Heating / cooling and DHW production at the same time
- ACS at high temperature (up to 75 ° C) independent from the outside temperature
- Antilegionella disinfection cycles avoidable
- Storage tank volume reduction up to 30%

\* Minimum value achieved under test conditions. Temperature and performance can vary depending on system design and on the area of the building where it is installed.  
\*\* White book of heat pumps COAER March 2010  
\*\*\* For Sherpa Aquadue and Sherpa Aquadue Tower models.

**SiOS**  
**Hydronic System Olimpia Splendid**

The renewable system solution for home comfort

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Technical data and design characteristics of the products may change. Olimpia Splendid reserves the right to modify them at any time.



Energy Class ErP<sup>(1)</sup>:  
**A+ A++**

**SiOS**  
**Hydronic System Olimpia Splendid**

The renewable system solution for home comfort

Italian company since 1956

**OLIMPIA  
SPLENDID**  
HOME OF COMFORT

**OLIMPIA  
SPLENDID**  
HOME OF COMFORT



**SHERPA**  
air-water **SPLIT** heat pump



**SHERPA**  
**AQUADUE<sup>®</sup>**  
air-water split heat pump **MULTIFUNCTIONAL**



**SHERPA**  
**AQUADUETOWER<sup>®</sup>**  
air-water split heat pump **MULTIFUNCTIONAL** with **BOILER 150 L INTEGRATED**



**SHERPA<sup>(2)</sup>**  
**MONOBLOC<sup>®</sup>**  
air-water heat pump **MONOBLOC**

range  
**SHERPA HEAT PUMP**

**Si**  
hydronic  
systems

# Sherpa Heat Pump

The AQUADUE® system manages:

- Cooling
- Heating
- Cooling + DHW at a high temperature
- Heating + DHW at a high temperature



Energy Class ErP(1):

**A+ A++**

**COP > 4**

## SHERPA air-water SPLIT heat pump



### CARATTERISTICHE

- 3-way valve incorporated
- Provides DHW in outdoor cylinder with temperatures up to 60 °C
- Climatic curves based on the outside air temperature
- Configurable set points: two set points in cooling mode Three set points in heating mode
- 2-stage electric heater
- Daily programmer with night mode
- Complete management of antilegionella cycles
- Refrigerant gas R410A

## SHERPA AQUADUE® air-water split heat pump MULTIFUNCTIONAL



### CARATTERISTICHE

- cooling, heating and DHW (Domestic Hot Water) high temperature, up to 75 °C in outdoor cylinder.
- Management of the DHW independently from the system call
- Climatic curves for cooling and for heating
- Configurable set points: two set points in cooling mode Three set points in heating mode
- Remote local centralised management via Modbus with hourly programming
- 2-stage electric heater
- touch-screen color interface
- System monitoring and control via Web using SIOS app
- Antilegionella cycles avoidable
- Refrigerant gas: R410A e R134a

## SHERPA AQUADUETOWER® air-water split heat pump MULTIFUNCTIONAL with BOILER 150 L INTEGRATED



### CARATTERISTICHE

- DHW (Domestic Hot Water) production at a high temperature, up to 75 °C. with integrated boiler.
- Management of the DHW independently from the system call
- Climatic curves for cooling and for heating
- Configurable set points: two set points in cooling mode Three set points in heating mode
- Remote local centralised management via Modbus with hourly programming
- 2-stage electric heater
- touch-screen color interface
- System monitoring and control via Web using SIOS app
- Antilegionella cycles avoidable
- 150 l integrated high-efficiency cylinder
- Production of mixed DHW at 40° up to 3,6 days
- Refrigerant gas: R410A e R134a

## SHERPA MONOBLOC® air-water heat pump MONOBLOC(2)



### CARATTERISTICHE

- DHW (Domestic Hot Water) production at a high temperature, up to 60 °C. (external management)
- Climatic curves based on the outside air temperature
- Configurable set points: two set points in cooling mode, two set points in heating mode
- Compact unit with reduced clearance and consequent easy transport
- Daily programmer with night mode
- Easy installation and maintenance, only connection to the hydraulic piping required
- remote control LCD command panel
- Anti-freeze reservation managed by the software
- Refrigerant gas R410A

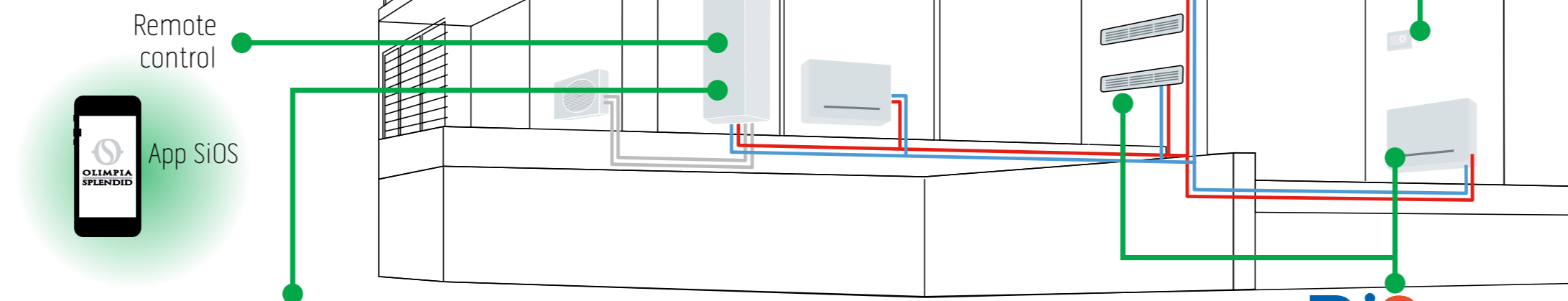
Management and control system of Olimpia Splendid's Heat Pump installations.

The system is composed of:

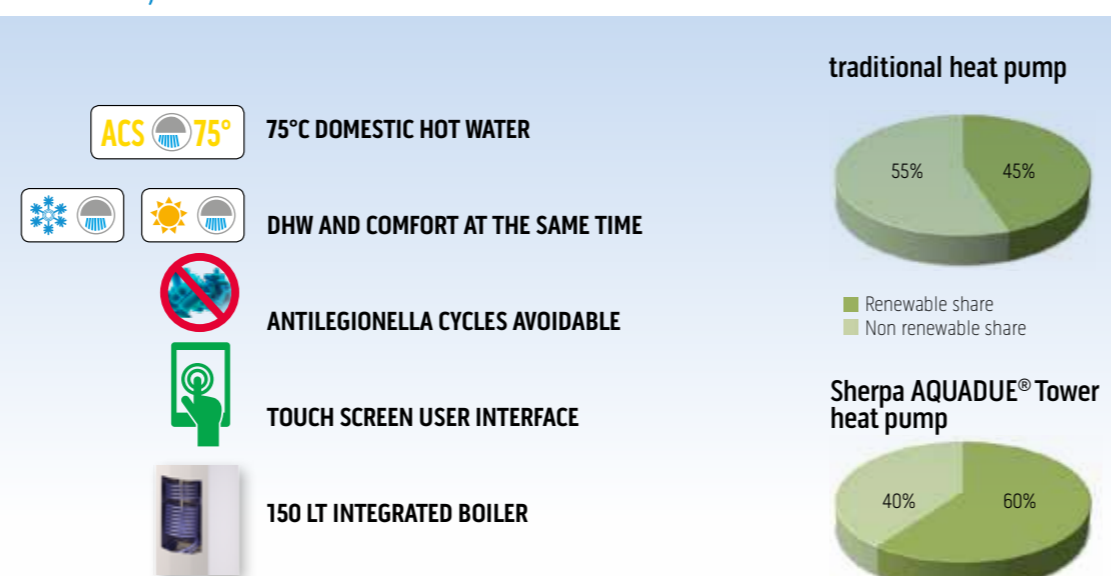
- Sherpa Heat Pump
- Bi2 terminal Unit
- Aquadue Domotic Control

## FUNCTION

- LOW TEMP RADIATION
- VENTILATION HEATING
- COOLING
- DEHUMIDIFICATION
- AIR FILTERING
- SHW UP TO 75°C
- REMOTE SYSTEM MONITORING



## SHERPA AQUADUETOWER® HEATING, COOLING AND DHW AT 75°C ALL FROM RENEWABLE SOURCES



# SiOS Plant Solution

## FEATURES

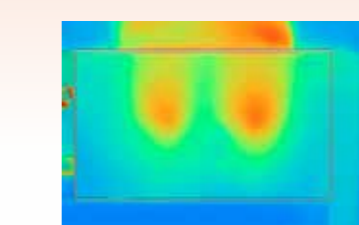
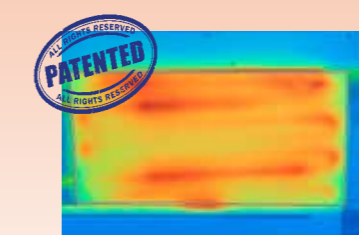
- Configuration management and control of the plant (Laptop, smartphone and tablet)
- Cooling, Heating, Production and stocking of high temperature SHW up to 75°C\*
- Complete comfort: simultaneous air conditioning and production of DHW\*
- Production of high temperature DHW guaranteed independently from outdoor climatic conditions and without the need for integration
- 40°C SHW supply up to 3,6 days\*\*
- Heating via radiation or ventilation
- Summer air conditioning and dehumidification
- dehumidification (also combined with floor heating\*\*\*)

\* Only Sherpa Aquadue e Sherpa Aquadue Tower model  
 \*\* Oref 2,1 kWh / day/boiler 150lt regulation EN16147, 2015 only Sherpa Aquadue Tower model  
 \*\*\* Floor heating not included in the system

## Bi2 TERMINAL FOR ANNUAL AIR CONDITIONING WITH RADIANT PANEL

Radiant technology: comparison with other systems:

- An average higher surface temperature that means greater radiation capacity
- Greater uniformity in surface warming and therefore a wider radiating surface
- Amplification of natural convection
- A reduction of water content for a faster system flow

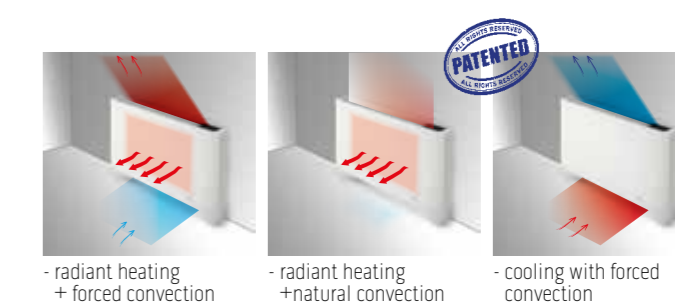


non-hydrionics radiant systems

# Bi2 Terminal Unit

## THE Bi2 SYSTEM

The structure of the fan and the electric motor which modulates speed guarantee an extremely uniform air distribution and a homogeneity in ambient temperature. The whole range provides, depending on the models, three different modes of operation:



## SLIM DESIGN

ONLY 12,9 cm



Made in Italy

## Bi2 wall Fan coil WALL INVERTER ultraslim(3)



### FEATURES

- 3 sizes available
- Back-lighted display
- DC brushless motor
- Fitted with large motorised flaps
- Total flat aesthetic with tangential ventilation system
- Remote control

- installation: console split
- Available in colors:  White

## Bi2+ INVERTER TOTAL FLAT fan coil radiation with heating panel



### FEATURES

- Cools, Dehumidifies, Heats and Filters
- Terminal with integrated heating panel
- Compact: thickness of just 12,9 cm
- Range consists of 5 power models
- DC brushless motor

- installation: floor wall
- Available in colors:  White  Gray

## Bi2 smart INVERTER TOTAL FLAT fan coil radiator with heating panel



### FEATURES

- Cools, Dehumidifies, Heats and Filters
- Terminal with integrated heating panel
- Compact: thickness of just 12,9 cm
- Range consists of 5 power models
- DC brushless motor
- Smart sides
- Total Flat Aesthetic with integrated vacuum system

- installation: floor wall
- Available in colors:  White

## Bi2 naked INVERTER RECESSED fan coil radiator with heating panel



### FEATURES

- Cools, Dehumidifies, Heats and Filters
- Recessed version with heating panel
- Compact: recessed wall thickness of just 142 mm
- Range consists of 5 power models
- Recess with formwork
- DC brushless motor
- Ultra slim aesthetic panel
- Only available with left hydraulic connections

- installation: wall
- Available only with remote control

The Bi2 system terminals are also available in the version with AC motor (except Bi2 wall) and without radiant panel.  
 3) Compatibility with SIOS system in the development phase

1) Seasonal energy efficiency class for average climatic area for flow temperature of 55°C; varies according to the model selected  
 2) Limited compatibility with SIOS system, for further info contact Customer Services