

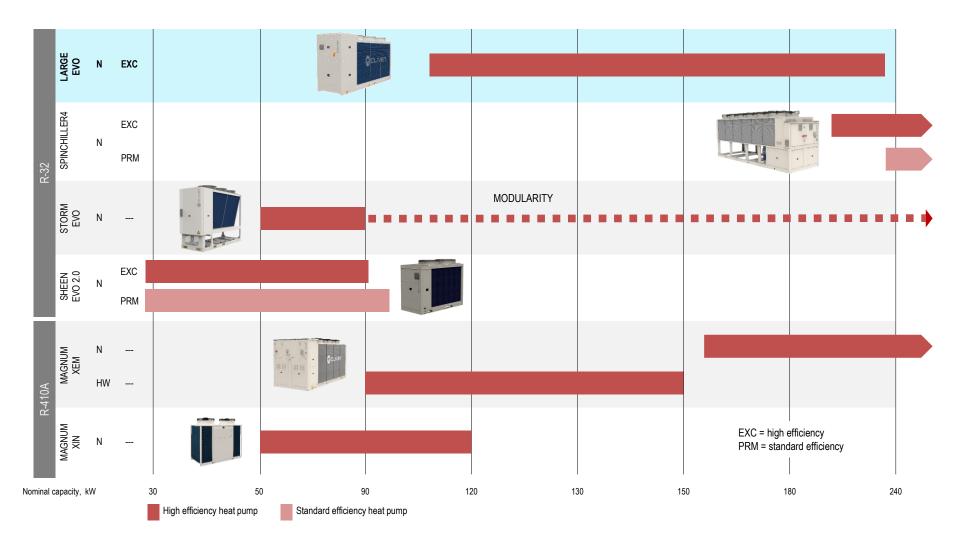
ECLIVET

Large EVO WiSAN-YEE1 45.4 – 85.4

Product presentation

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Large EVO: Main features

WiSAN-YEE1

Suitable for harsh climates:

- Leaving water temperature up to 60°C
- Minimum OAT down to -20°C

Outstanding seasonal efficiency both in heating and

cooling

- SCOP(W35) up to 4,22
- SEER(W7) up to 4,48
- Quieter operation thanks also to silent and super-silent versions available
- ➤Modular operation up to 8 units

Nominal cooling capacity: (A35/W7) from 115 to 233 kW Nominal heating capacity: (A7/W45) from 118 to 268 kW









Large EVO: Capacity range

WiSAN-YEE1

Capacity range: 115 - 233 kW

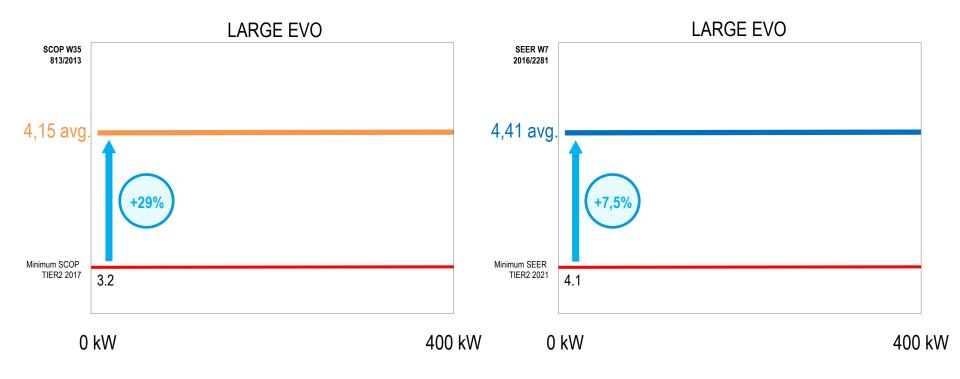
Series	WiSAN-YEE1 45.4 - 85.4										
Size	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4		
Cooling Capacity [kW] (A35/W7)	115	127	139	152	164	176	196	215	233		
Heating Capacity [kW] (A7/W45)	118	130	150	170	190	210	230	250	268		
Layout											
Compressors / Circuits	4,	/2	4/2		4/2						
Compressors type	Rotary	inverter	2 Rotary / 2 S	Scroll inverter	Scroll inverter						
Fans	2 Brushless DC motor				3 Brushless DC motor						
Length [mm]	3310				4300						



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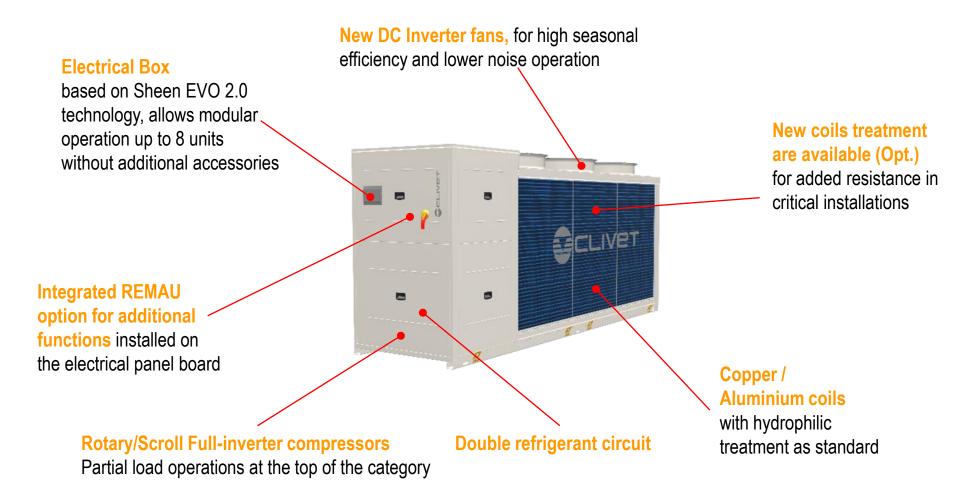
Large EVO: Seasonal Efficiency

WiSAN-YEE1 is characterized by very high seasonal efficiency values, largely overcoming the Erp requirements both in cooling and heating





Large EVO: High performances technology





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User interface in common with Sheen and Storm units

New generation integrated user interface, that guarantees a complete control solution:

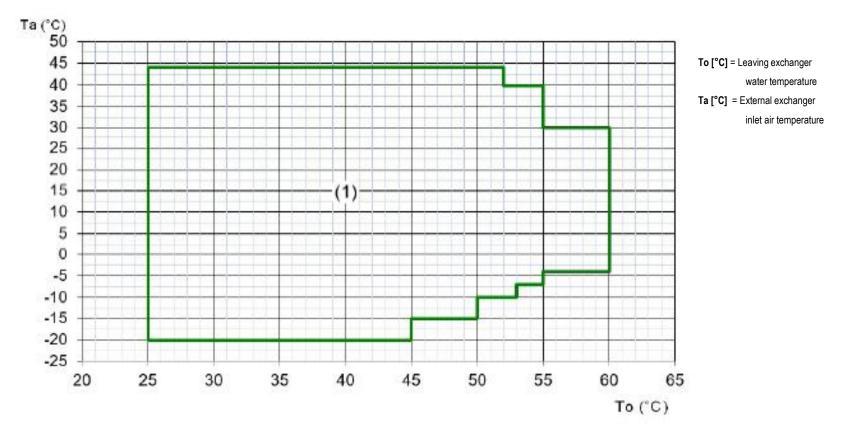
- Unit ON/OFF
- Auto-restart function
- Time setting: 12H/24H
- Timer ON/OFF setting, Day/Weekly
- Display components status
- Query, malfunction code, parameters
- Two multi-authorization control levels
- Modbus connection as standard
- Connection of up to 16 units in parallel
- Adapt for remote use
- Optional Serial communication module for BACnet-IP supervisor
- Optional Serial communication module for BACnet-MSTP supervisor



Large EVO: Limiti operativi in riscaldamento

Minimum outdoor temperature = -20°C

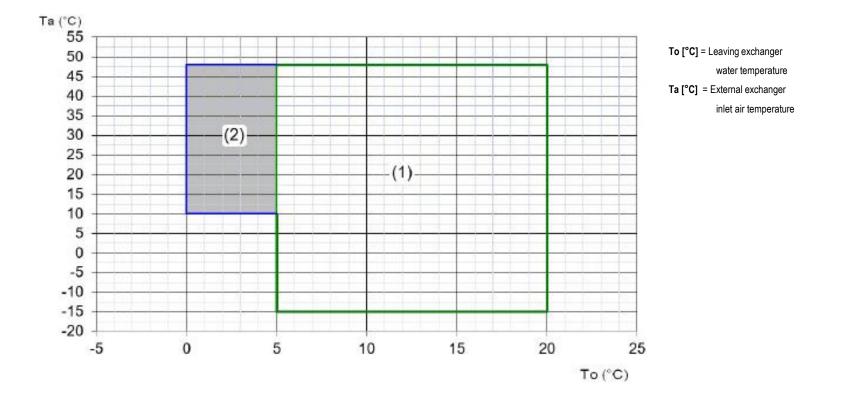
Maximum water temperature = +60°C



1. Standard unit operating range

Large EVO: Limiti operativi in raffreddamento

Maximum outdoor temperature = +48°C Minimum water temperature = +0°C



1. Standard unit operating range

2. Operating range where the use of glycol is mandatory in relation to the temperature of the outlet water from the user side exchanger

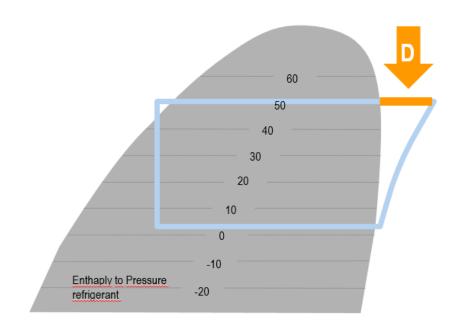


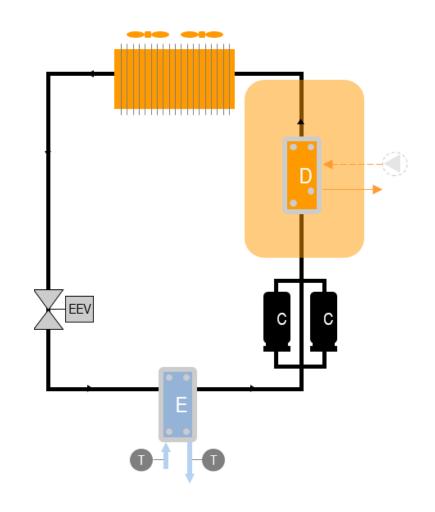




Partial heat recovery (D)

- Around **24%** of the available heat rejection
- Control is activated by the User







DHW mode

Large EVO allows the DHW production up to 60°C, directly managing the main components of the system.

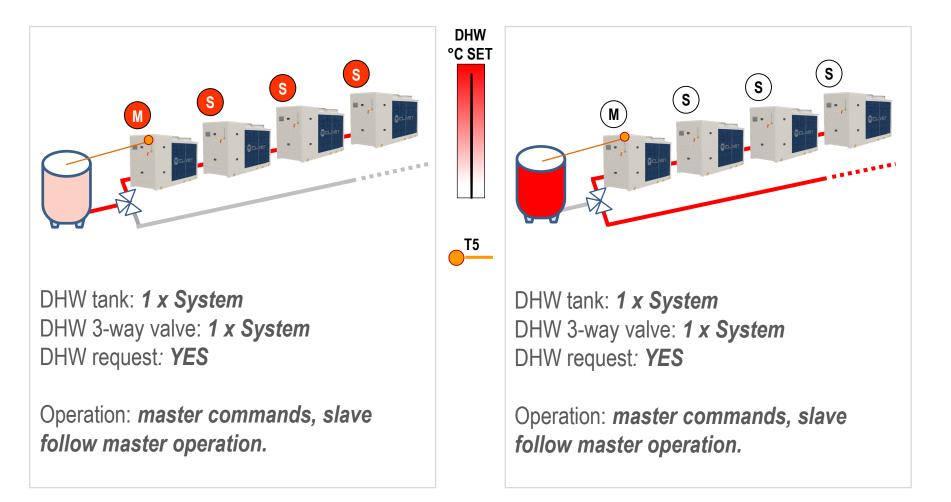
- > Management of domestic hot water has **priority** over the system
- > The **3-way valve** is available as **a built-in** solution





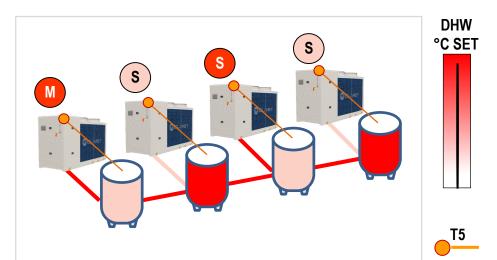


Modular system: DHW management





Modular system: DHW management



DHW tank: **1** *x* **Unit** DHW 3-way valve: **1** *x* **Unit**

Operation: *independent. Each unit manages its own DHW production.*



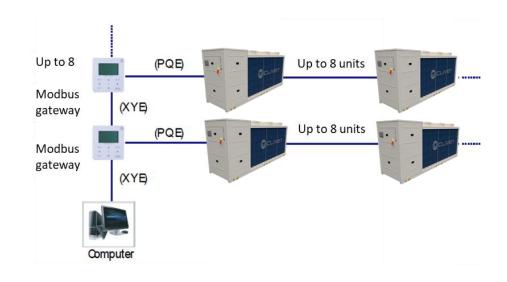


Modularity

- Management of up to 8 units in a local network
- Up to **1860kW** of installed capacity (cooling)
- Easy to connect and set the system throught the user interface
- Possibility to manage it throught a BMS system thanks to the Modbus connection as standard

Which benefits?

- ✓ System efficiency increased
- ✓ Higher reliability
- \checkmark Simplified handling and installation
- ✓ Scalability





Large EVO: Energy metering

The energy calculation function is implemented in the HMI without any additional device, and will be possible to look at the following parameters:

STATE QUE	DV	STATE OUEDV				
POWER OU	100	KW				
POWER INP			KW			
CURRENT E	FFICIENCY		2			
TOTAL ENER	RGY OUTPUT	10	MWh			
TOTAL ENER	RGY INPUT	3	MWh			
BACK	2/2	\$	<►			
•						
>	V					

- Power output = produced power in kW
- Power input = absorbed power in kW
- Current efficiency = EER/COP
- Total energy output = cumulative produced power in MWh
- Total energy input = cumulative absorbed power in MWh

All energy meter display items are available with Modbus





Auxiliary heater control

New Large EVO will allow also hybrid version in combination by **third-party** heater, thanks to auxiliary heater control:

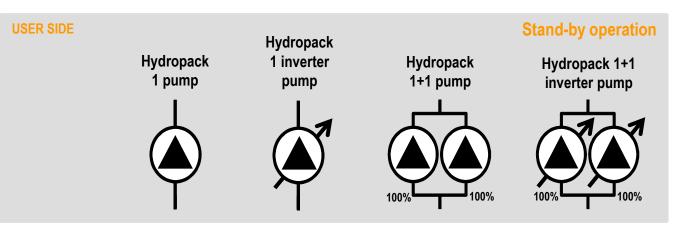
- > ON/OFF signal
- > Auxiliary operation when the heat pump does not work
- > Auxiliary operation with low ambient temperature
- > Auxiliary operation when the heat pump capacity is not sufficient
- > Auxiliary operation when DHW starts and stops frequently
- > Auxiliary operation when the tank temperature is too low
- Sterilization process



Optional integrated pumping groups save:

- Time and cost for the **set-up**
- Floor area for pumping equipment and relevant clearance

Options available with standard and high head:



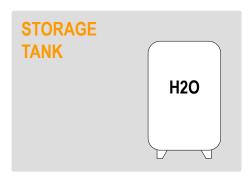
With inverter pump, the unit can manage variable water flows



Storage Tank (optional):

Recommended for applications with insufficient water content for the properly function of the unit:

Size	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.5
Storage Tank Capacity [Liters]	300	300	300	300	500	500	500	500	500









Drain pan layout for easy maintenance

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