



ZYMBO ITALIA

# SILENT™ HEAT PUMP



SMART  
COMFORT  
SYSTEM

The SILENT™ packaged heat pump is ideal for installations where the outside facade of a building must be maintained or minimally disturbed. It is suitable for new construction, existing buildings, and historical facilities, commercial, institutional, or residential installations. The perfect replacement for thru-the-wall (TTW) and PTAC units.

No unit on the outside protects the integrity of the facade

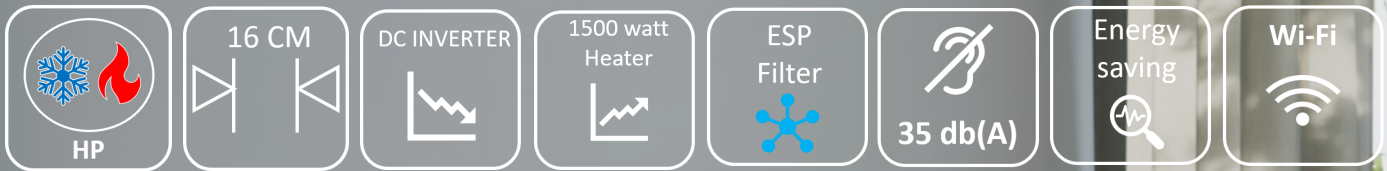




# CLIMAPURO™ HEAT PUMP

PACKAGED HEAT PUMP & PROFESSIONAL PURIFIER

WITH NO OUTDOOR UNIT



ESP FILTER  
MERV 6



The CLIMAPURO™ packaged heat pump and professional purifier is ideal for installations where the outside facade of a building must be maintained or minimally disturbed and quality of the air is important. It is suitable for new construction, existing buildings, and historical facilities, commercial, institutional, or residential installations. The perfect replacement for thru-the-wall (TTW) and PTAC units. ESP filter destroy 99.9 % of PM 2.5, Virus and Bacteria .

No unit on the outside protects the integrity of the facade



# CLIMAPURO™ HEAT PUMP



LINT,  
HOUSEHOULD  
DUST AND  
POLLEN

"CLIMAPURO™ ESP filters offer several advantages over traditional filters in air conditioners. Here are some of the main benefits certified from SGS International Laboratories , ANSI / ASHRAE Standard 52.2-2017 Section 10.



- PM 2.5 : 97.90 % effective removal rate
- Staphylococcus albus: 98.39 % Sterilization rate
- Sars Covid2 : 99.9 % Sterilization rate
- Ozone leakage: 0.005 mg/m3

**Efficient particle removal:** ESP filters are extremely effective at capturing very small particles, including those smaller than 1 micron. This makes them particularly effective at removing fine dust, allergens, bacteria, virus and other harmful particles from the air.

**Odor reduction:** Thanks to their ability to capture a wide range of particles, including volatile organic compounds (VOCs), ESP filters can help reduce unpleasant odors in the air, thus improving indoor air quality.

**Durability and maintenance:** ESP filters tend to have a longer lifespan compared to traditional filters. Since they do not rely on porous materials that can quickly become clogged, they require less frequent maintenance and can last longer before needing to be replaced or cleaned

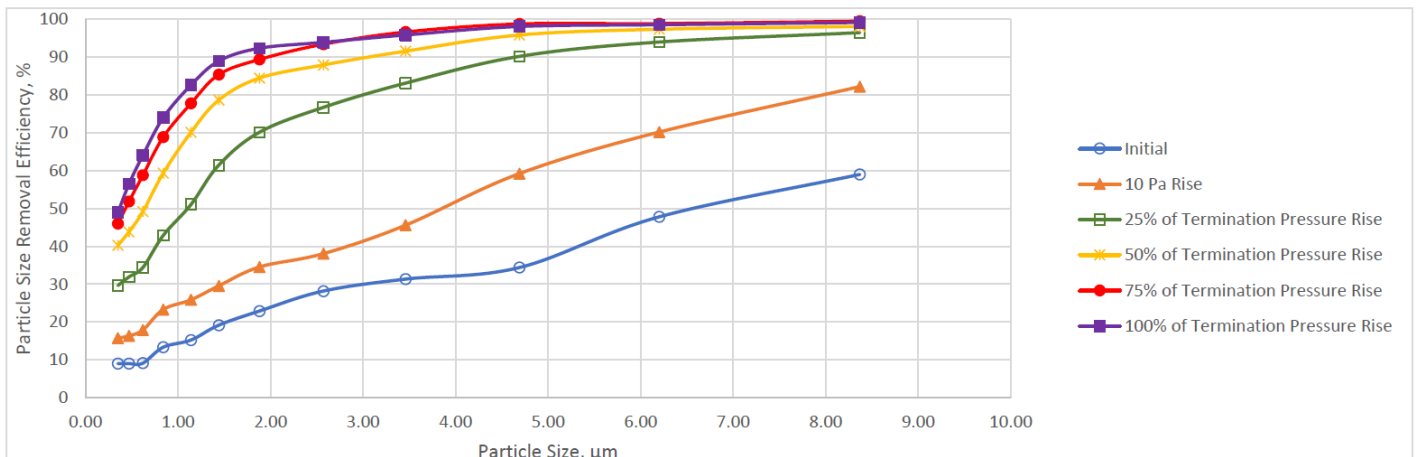
**Energy efficiency:** Because ESP filters do not impose a significant amount of resistance to airflow, they can contribute to improving the energy efficiency of the HVAC system. This can result in lower operating costs in the long run.

**Static control:** ESP filters can help reduce static in the air, which can be particularly important in sensitive environments where static could damage electronic equipment or sensitive products.

**Reduced air pressure:** ESP filters have lower air pressure compared to traditional filters, meaning the HVAC system doesn't have to work as hard to push air through the filter. This can help prolong the overall lifespan of the system.

**In summary, ESP filters offer a combination of superior filtration performance, longer lifespan, and additional benefits such as odor reduction and static control, making them an advantageous choice over traditional filters in HVAC systems."**

Minimum Efficiency Reporting Value (MERV) for the device: **MERV 6**



## Technical Data

<b>SILENT™</b>	<b>CLIMAPURO™</b>
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### Cooling

Indoor: 80°F, W.B. 67°F; Outdoor: 95°F, W.B. 75°F

Cooling capacity nominal ( BTU/h) and (min-max) W	BTU/h	8000 ( 800-2590 W )
Input Power	W	900
Efficiency	EER	9,42
Efficiency	SEER2	14,10

### Heating 47°C

Indoor: 70°F, W.B. 60°F; Outdoor: 47°F, W.B. 43°F

Heating capacity nominal ( BTU/h) and (min-max) W	BTU/h	7700 ( 800 -3820 W )
Heating capacity PTC heater	BTU/h	5115 ( 1500 W )
Input Power	W	720
Efficiency	COP	3,50
Efficiency	HSPF2	7,20

### Airflow

Indoor	Type	DC Inverter motor + Aluminium cross fan	
	CFM	150-230	
	Speed	Low-med-high-auto	
	Filter	MERV 3	MERV 6
Outdoor	Type	ECM Centrifugal Radial	
	CFM	200-350	
	Intake - Exhaust	6,2" round or 7,87"	
	Speed	0-10 VDC signal	
	indoor Filter Optional	Anti covid filter	

### Compressor

Type		DC Inverter
Refrigerant	Type and Charge	R32 ( 410 g = 0,90 lb )
Max. Allowable Pressure	Mpa	5,10

### Sound - SPL Sound pressur level

Indoor ( 1,5 mt distance )	db(A)	35-45
Outdoor ( 3 mt distance )	db(A)	35-55

### Electrical

Volt range	V	208 / 230
Hz/phase	Hz	60 Hz 1ph
Power factor	%	0,96
Rated Current for Cooling	A	4,40
Rated Current for Heating	A	3,19
Rated Current for PTC electric Heater	A	6,65
Heating max ( Heating pump + PTC electric heater )	A	9,65
Wifi device included in the machine Tuya APP		yes                      yes

### Dimension

Dimensions	Net	39.7" W x 21.9" H x 6.5" D
	Gross	44" W x 26" H x 11" D
Weight	Net	94,7 lb
	Gross	100 lb
Cabinet	Material	Glavanized and painted Steel
	Finish	RAL 9003 signal white

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