

**copa**

**velora**  
**monoblock**  
heat pump

**Single System**  
**Maximum Comfort**  
**Minimum Consumption**



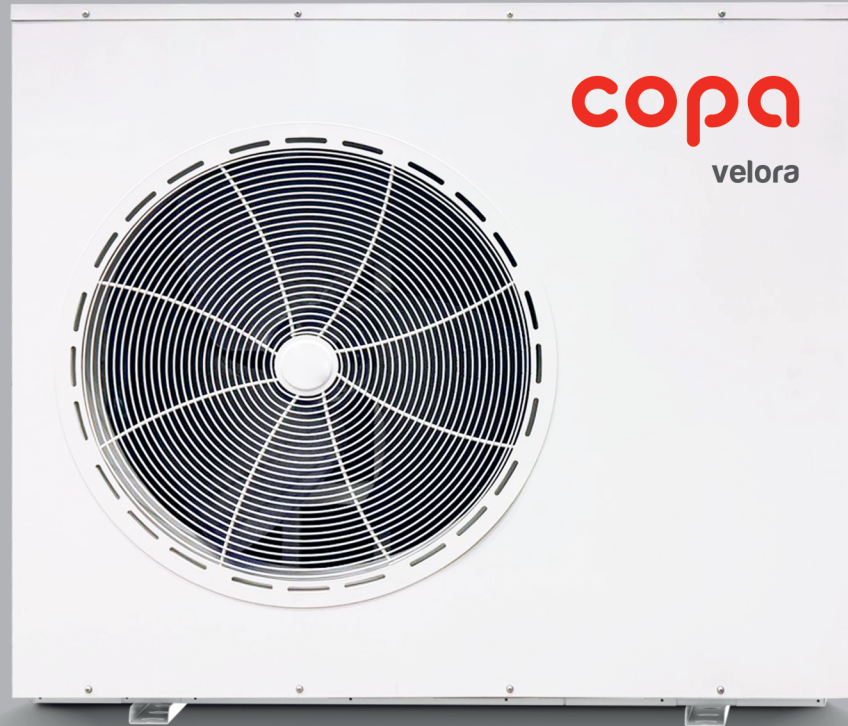
Heating



Cooling



Domestic Hot Water (DHW)



Customer Service

 **444 2672**  
copa

A+++

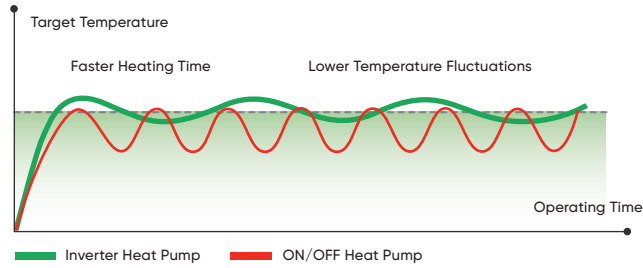
R32



[copa.com.tr/en](http://copa.com.tr/en)    /copahvac

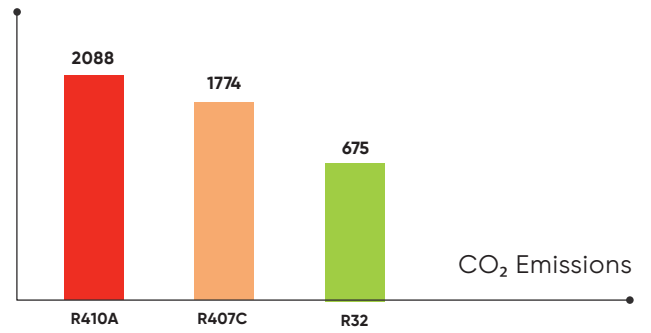
## DC Inverter Technology

Equipped with advanced DC inverter technology, the Velora Heat Pump automatically adjusts its operating frequency according to ambient temperature conditions, minimizing temperature fluctuations and maintaining a stable indoor temperature for enhanced comfort. Its balanced operation ensures long service life and high energy efficiency.



## Environmentally Friendly and Efficient R32 Refrigerant

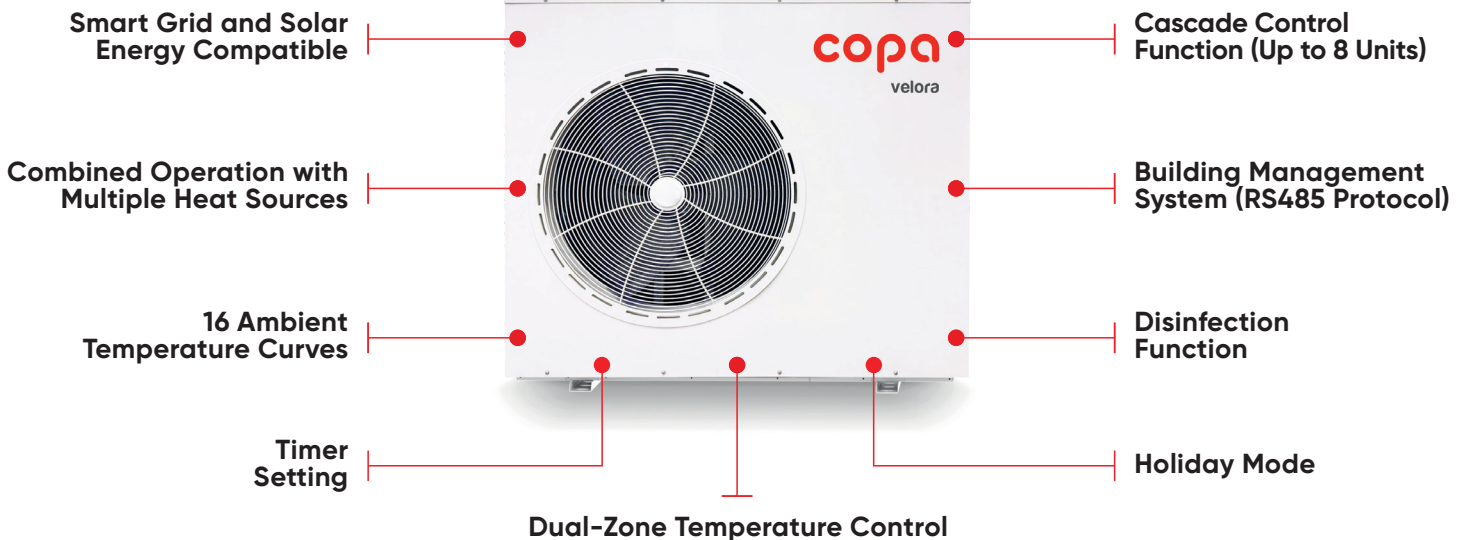
The Velora Heat Pump uses R32 refrigerant.



# Your Home's Climate in a Single Unit; Year-Round Comfort at a Single Touch

Velora is a high-efficiency air source heat pump that transfers energy from the air to water.

With a single system, it provides heating, cooling, and domestic hot water, delivering maximum comfort in living spaces.



# Technical Advantages



## High Quality

- A+++ Energy Efficiency
- High Performance with COP up to 5.3
- Low Noise Level down to 48 dB
- Operating Capacity down to -25°C



## Advanced Technology

- DC Inverter Compressor
- Smart Defrost System
- Inverter Circulation Pump



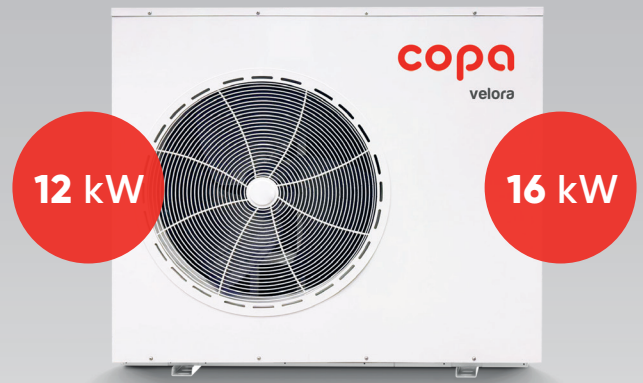
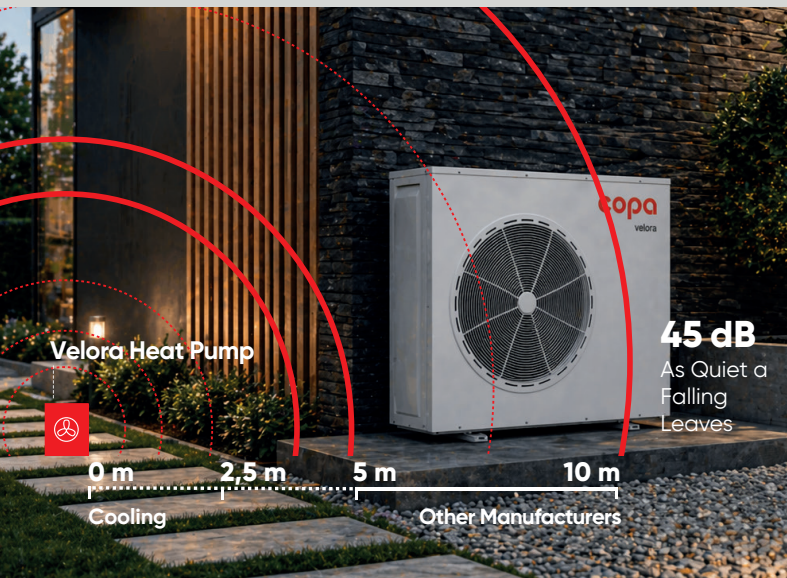
## Smart Control

- Remote Control via Wi-Fi
- Mobile Application Support
- IoT Data Monitoring
- BMS Integration
- Smart Grid & Solar Energy Compatibility



## Flexible Application

- Underfloor Heating
- Fan Coil
- Radiator Systems
- Boiler Integration
- Solar Energy Systems



## Professional Solutions

- Dual-Zone Control
- Cascade System up to 8 Units
- Hybrid System Compatibility
- Multiple Heat Source Management



## User-Friendly

- 6 Operating Modes (Eco, Normal, Powerful, Auto, Holiday, Silent)
- Sterilization (Legionella Protection)
- Night Mode



## Silent Performance

- Low Noise Level of 48 dB
- Vibration-Reducing Structure

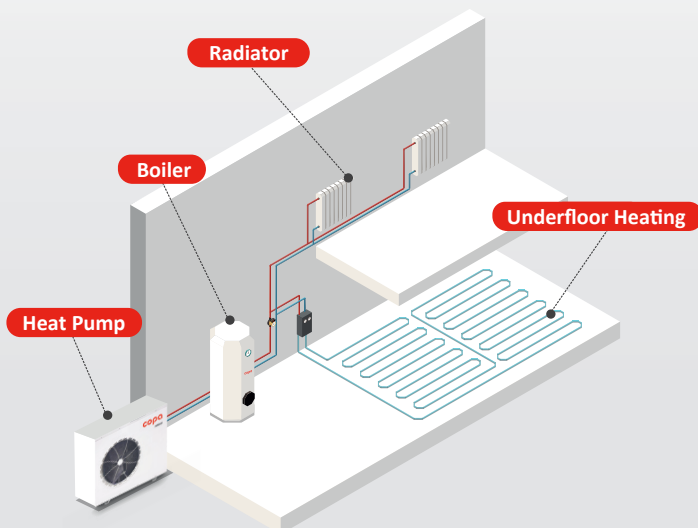


## Safe and Durable

- Freeze Protection System
- Automatic Fault Diagnosis
- Pressure and Temperature Control

## Velora Heat Pump Technical Specifications

Model	Copa Velora 12	Copa Velora 16
<b>Heating Conditions – Ambient Temp (DB/WB): 7/6°C, Water Temp (In/Out): 30/35°C</b>		
Heating Capacity Range (kW)	4.8~12.0	8.8~22.0
Heating Input Power Range (kW)	0.93~2.87	1.67~5.30
COP Range	4.18~5.18	4.15~5.27
<b>DHW Conditions – Ambient Temp (DB/WB): 20/15°C, Water Temp (In/Out): 15/55°C</b>		
Heating Capacity Range (kW)	5.8~12.2	11.2~22.5
Heating Input Power Range (kW)	1.15~2.79	2.27~5.26
COP Range	4.37~5.04	4.28~4.93
Hot Water Output (L/H)	262	482
<b>Cooling Conditions – Ambient Temp (DB/WB): 35/24°C, Water Temp (In/Out): 12/7°C</b>		
Cooling Capacity Range (kW)	3.5~8.6	6.0~15.0
Cooling Input Power Range (kW)	0.98~2.75	1.78~4.98
EER Range	3.13~3.57	3.01~3.37
<b>Power Supply</b>		
	230V/1Ph/50Hz/60Hz	
Max Input Power (kW)	4.5	7.1
Max Current (A)	20.6	32.5
Circuit Breaker (A)	25	40
Cable Size (mm <sup>2</sup> )	6	10
Pipe Diameter (mm)	DN25	DN32
Water Flow (m <sup>3</sup> /h)	2.06	3.78
Max Water Pressure Drop (kPa)	35	45
<b>Water Pump Type</b>		
	Adjustable DC Inverter	
Max Water Head (m)	9	12
Expansion Tank (L)	5	5
Noise dB(A)	≤48	≤55
Net Weight (kg)	102	146
Net Ölçek (L/W/H) mm	1100×460×800	1202×480×1050
<b>Dimensions (L/W/H mm)</b>		
	-25~43	
Operating Temperature (°C)	20~55°C (DHW)	
Operating Temperature (°C)	20~55°C (Heating)	
Operating Temperature (°C)	7~35°C (Cooling)	
Refrigerant Type / Charge	R32 - 675	R32 - 675
Refrigerant Charge (kg)	2	2,2



### Smart Control via Mobile Application

- Real-Time Monitoring
- Operating Status
- Historical Records
- Timer Setting
- Language Options

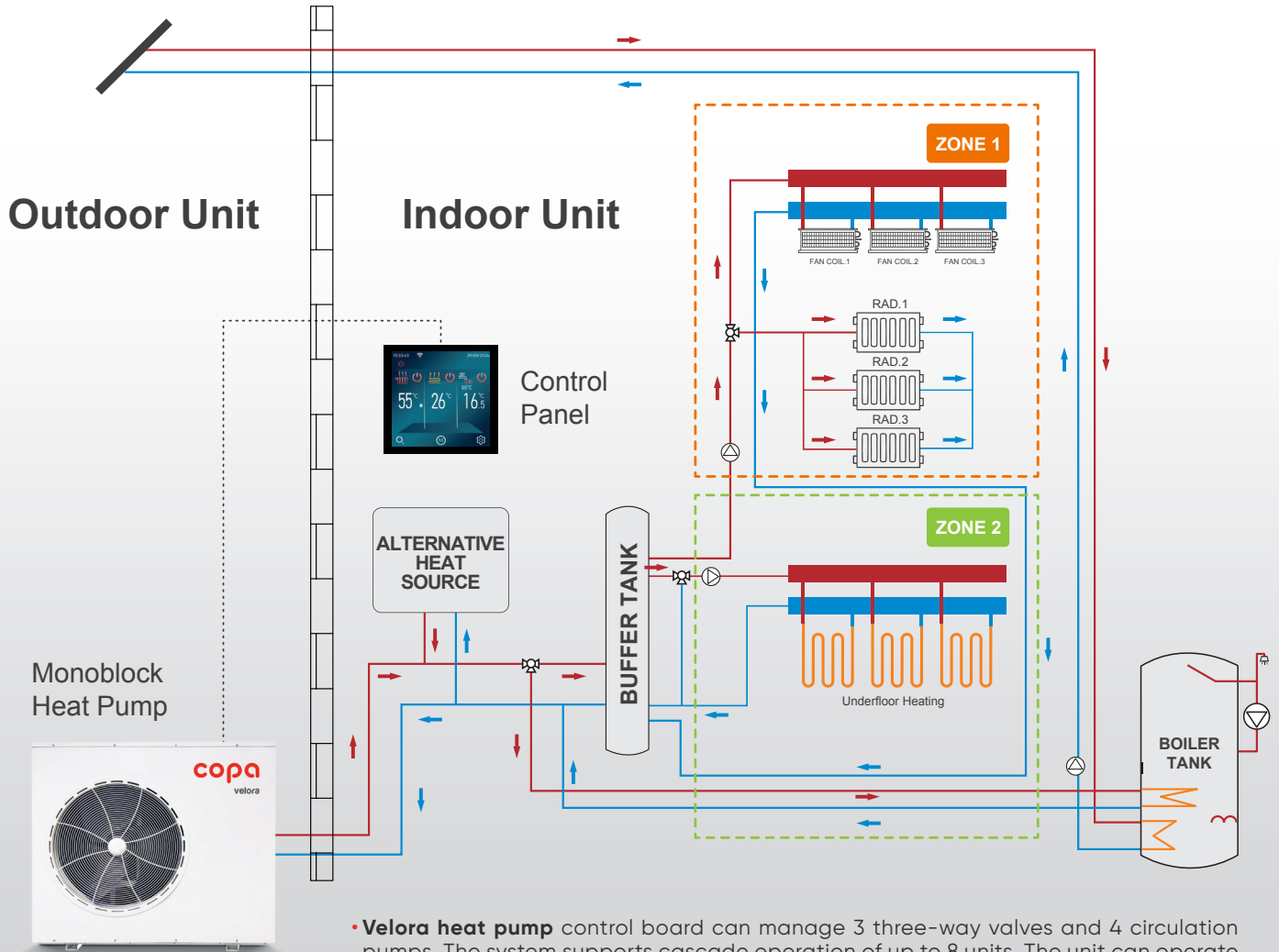




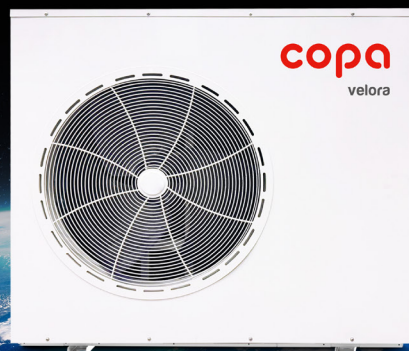
**velora**  
monoblock  
heat pump

Multiple Heat Source Support +  
Dual-Zone Temperature Control

**A+++**  
Energy Efficiency



**The First Manufacturer  
Member from  
Turkey in the  
European Heat  
Pump Association**



**copa**  
**ehpa**



## COPA ISI SİSTEMLERİ SAN. VE TİC A.Ş.

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### Customer Service

