



# Domusa Heat Pumps

## Latest high-temp heat pump technology

The Spanish-made Domusa Dual Clima HT Air-to-Water heat pump is ideal for high-temperature applications, with the ability to produce up to 75°C flow temperatures .

### An investment in your comfort

Established in 1976, Domusa has been a trusted provider of heating solutions for nearly five decades. Offering a diverse range of appliances, including boilers and heat pumps systems. Domusa's dedication to developing practical and user-friendly products has made it a household name in the heating industry.

As a Spanish manufacturer, Domusa prides itself on its commitment to innovation and quality. The company continuously invests in research and development on the latest technological advancements to ensure high efficiency and reliability to meet the evolving needs of its customers. Domusa's products are known for their durability, energy efficiency, and ease of use.

**DOMUSA**  
T E K N I K



- R290 refrigerant
  - Natural and non toxic
  - High thermal conductivity compared to other refrigerants
  - Low GWP (Global warming potential)
- Flow temperature up to 75°C
- DHW temperatures up to 70°C
- Suitable for use with single or twin coil indirect hot water cylinders
- COP of 4.69 - 16kW, 4.47 - 12kW

Domusa's high-temperature heat pump is a compact, eco-friendly design using natural R290 refrigerant. Benefits of R290 are a low Global Warming Potential (GWP) of just 3, reduced refrigerant charge volume by 50% and operation at lower discharge pressures, resulting in longer internal component life. The Domusa Dual Clima HT can produce up to 75°C flow temperatures making it a great solution for boiler retrofits and radiator installations. Operating at lower flow temperatures for use with underfloor offers even greater gains of efficiency. Paired with an indirect HWC for DHW production the Domusa can produce up to 70°C, covering 100% of your DHW production with no need to use an electric element for anti legionella protection.

Its control interface is a simple yet intuitive color touch screen that enables easy adjustment of set points and functionality. The diagnostics screen offers an in depth, real time view of the systems current status making it a vital tool for advanced service and diagnostics. Access to advanced parameters is made easy for commissioning and set up of the heat pump. With the ability to operate in ambient conditions as low as -20°C, it combines efficiency, and an environmental friendly hydrocarbon refrigerant in a true Monobloc design, making it ideal for replacing older heat sources

Learn more information about the Domusa Dual Clima HT.

[Learn More](#)



— Domusa Dual Clima 16HT and 12HT

Model	HPDDC12	HPDDC16
<b>Heating</b>		
Capacity [kW]	12	16
Power Input [kW]	2.72	3.41
COP	4.47	4.69
<b>Cooling</b>		
Capacity [kW]	10.80	14.85
Power Input [kW]	2.88	3.97
Power Supply	230VAC Single Phase	230VAC Single Phase
Max Current Draw	17A	27A
Hydronic Connection Port Size	1"	1 1/4"
Minimum System Water Volume	48L	60L
Minimum System Flow Rate	16L/min	20L/min
<b>Dimensions &amp; Weight (NET)</b>		
Height [mm]	898	1,320
Width [mm]	1,115	1,115
Depth [mm]	415	415
Weight [kg]	125	175
<b>Noise</b>		
Sound Power dB(A)	59	64
Sound Pressure dB(A) *1	51	56
Sound Pressure dB(A) *2	54	59
*1 Average sound pressure at 1m with 1 reflective surface (Q=2) - estimated		
*2 Average sound pressure at 1m with 2 reflective surfaces (Q=4) - estimated		