Domusa Dual Clima HT PRO Heat Pump

Unmatched Comfort and Sustainability – Introducing the HT PRO

The Domusa Dual Clima HT PRO – the latest innovation in high-temperature heat pump technology.

With a sleek new design and advanced features, this model delivers exceptional performance and efficiency, earning an impressive A+++ energy rating. Engineered for reliability and sustainability, the Dual Clima HT PRO sets a new standard for comfort and energy savings.

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.

- 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 4.65 (16kW)

New 19kW Model added to the Range

The new 19kW model suits large, high heat loss homes, colder climates, and retrofit projects where you need to bridge the gap between boiler and heat pump output. It keeps the same compact size as the 16kW model. The HT PRO range features a compact, eco friendly design using natural R290 refrigerant.

R290 has a Global Warming Potential of just 3. It uses 50% less refrigerant and runs at lower discharge pressures, which helps extend component life. The Domusa Dual Clima HT PRO delivers flow temperatures up to 75°C, making it ideal for boiler retrofits and radiator systems. When paired with underfloor heating at lower flow temperatures, it achieves even higher efficiency.

Connected to an indirect HWC, it produces domestic hot water up to 70°C. This covers 100% of your hot water needs without using an electric element for anti legionella protection.

The colour touch screen offers simple control of set points and functions. A real time diagnostics screen supports servicing and commissioning. It operates in ambient temperatures down to -20°C and combines high efficiency with an environmentally friendly hydrocarbon refrigerant in a true monobloc design.

Key Benefits

Smaller, Smarter Radiator Design
Higher water temperatures allow for smaller radiators. This gives you more flexibility in room layout and a cleaner interior finish.

More Efficient Hot Water
Delivers domestic hot water without relying on an electric element for boosting. This improves overall system efficiency and reduces running costs.

Simple Boiler Replacement
Higher temperatures make it easier to replace gas, diesel, or biomass boilers with an electric heat source. You can upgrade without major changes to your existing system.

Ideal for Large Homes
A powerful 19kW output can heat bigger homes with ease. In many cases, you can avoid installing multiple units, which keeps the system simple and cost effective.

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Model	HPDDCP12	HPDDCP16	HPDDCP19
Heating			
Capacity [kW]	12.60	16.84	19.52
Power Input [kW]	2.72	3.62	4.30
COP	4.63	4.65	4.54
Cooling			
Capacity [kW]	11.8	15.09	18.62
Power Input [kW]	2.61	3.58	4.43
Power Supply	230VAC Single Phase	230VAC Single Phase	230VAC Single Phase
Max Current Draw	17	27A	30.4A
Hydronic Connection Port Size	1"	1 1/4"	1 1/4"
Minimum System Water Volume	48L	60L	80L
Minimum System Flow Rate	16L/min	20L/min	24L/min
Dimensions & Weight (NET)			
Height [mm]	900	1,320	1,320
Width [mm]	1,115	1,115	1,115
Depth [mm]	415	415	415
Weight [kg]	125	140	146
Noise			
Sound Power dB(A)	52	55	55

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