

# THERMOBOX DUO

HEAT PUMP  
INDOOR  
MODULE

**HEAT PUMP**

**INDOOR MODULE**

PLUG AND PLAY SOLUTION  
THAT COMBINES A BUFFER  
TANK AND DOMESTIC HOT  
WATER CYLINDER IN  
A SINGLE UNIT.



# A NEW PLUG & PLAY SOLUTION

Not all the energy generated by the heat pumps gets used immediately. In this case, it makes sense to store the heat generated from renewable energy sources efficiently with the lowest possible heat losses. That makes heat storage an important component of any heating system. The THERMOBOX DUO is an efficient time and space saving solution to couple with your heat pump that includes a DHW and Buffer Cylinder. Comes with all components required for a fast Plug and Play solution, reducing installation time, costs and ensuring a correct installation.

 PORTUGUESE MANUFACTURING



## 100% HYDRAULIC INSTALLATION

THERMOBOX DUO stands out for its simple and easy installation process (Plug and Play), 100% hydraulic and without handling fluorinated gases.

The two types of storages are kept separate from one another, making possible to use the buffer tank for cooling during the summer.



## ERGONOMIC AND COMPACT

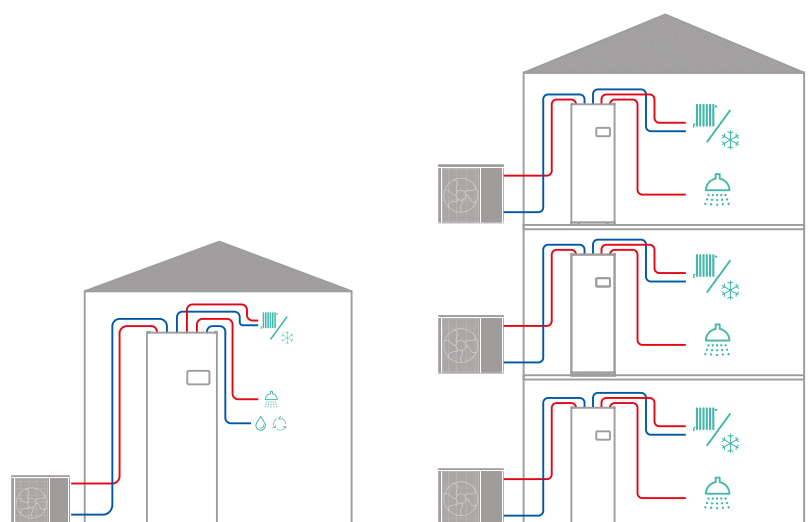
THERMOBOX DUO interior unit was built with special regard for the space and area it takes inside the house, as well as the visual impact it causes. Allows for an easy integration, considering its reduced dimensions (60x60 cm).

Is the ideal solution if you don't have much space available and you still want to have an efficient and environmentally friendly storage system.

## MULTIFACETED RANGE

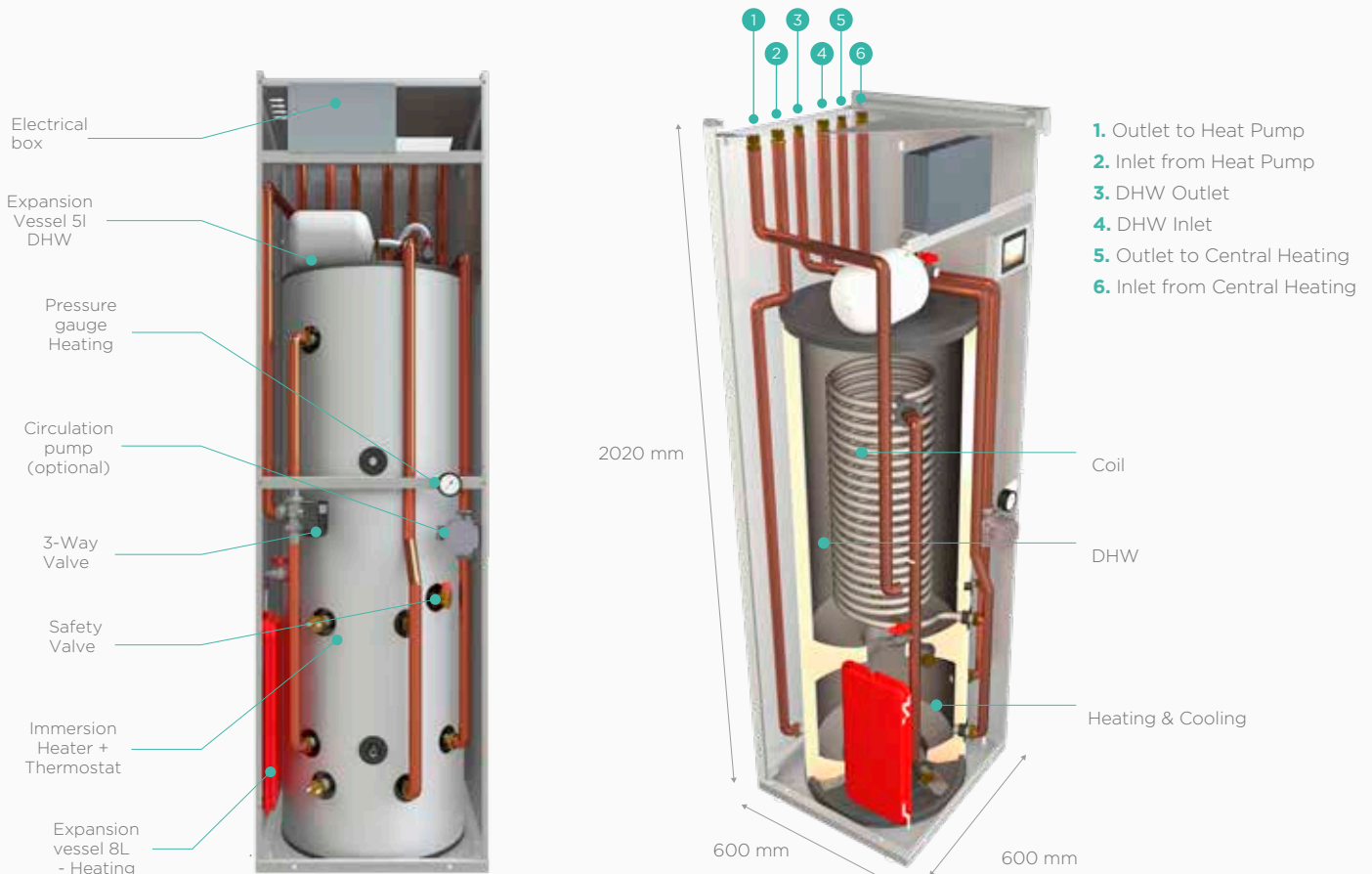
The THERMOBOX DUO range has available several models developed considering all types of housing, namely single and multifamily constructions.

Models 160/50 and 200/50 are the ideal solutions for various construction projects, meeting Heating & Cooling and Domestic Hot Water needs (DHW).



TECHNICAL DATA		THERMOBOX DUO 160/50		THERMOBOX DUO 200/50	
Working modes		-	Heating/Cooling/DHW		
Unit management		-	LCD Display		
DHW cylinder		L	160		180
	Energy efficiency class	-	B		
Buffer tank		L	50		50
	Energy efficiency class	-	B		
Type of cylinder		-	Stainless Steel 444		
Thermal insulation	Type	-	High density polyurethane		
	Thickness	mm	50		
	Thermal conductivity	W/m.k	0,025		
Electrical backup	DHW immersion heater	W/A	1500 / 6.5		
	Buffer tank immersion heater	W/A	(Optional)		
	Voltage	V-/Hz	230 / 50		
Dimensions & weight	Dimensions	mm	1950x600x600		
	Weight	Kg	163		
Water circuit	Maximum temperature	°C	80		
	DHW expansion vessel	L	5		
	Central heating expansion vessel	L	8		
	DHW safety valve	Bar	7		
	Central heating safety valve	Bar	3		
	Coil surface area	m <sup>2</sup>	1,6		
	Circulation pump head	m	8		
	Drain	Ø/mm	14		
	Heat pump connections	Ø	1" M		
	Central heating connections	Ø	1" M		
	DHW connections	Ø	3/4" M		

Equipment: **Thermobox Duo**



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