

SERIES

BOLTERO

HYBRID HEATING SYSTEMS

Superior Features of Boltero Hybrid System

- Automatic ignition system
- Automatic burner cleaning
- Automatic ash discharge system (Optional)
- Automatic adjustment of fuel flow with automatic fuel-air ratio adjustment
- Easy access to burner and ash box
- Easy mounting for narrow spaces with integrated fuel tank
- Flexible installation, convenient use with closed expansion tank
- Automatic or manual heat source switch between heat pump and pellet combustion via outside weather temperature
- Remote control with internet connection (Optional)
- User-friendly touch panel display
- Proper value combustion performance with superior control software by PID Control
- Easy Service & Maintenance



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Hybrid Heating Systems



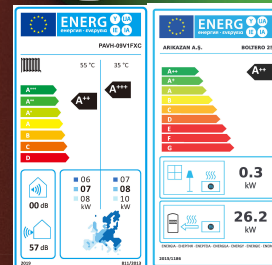
Give winter a warm welcome. The Boltero Hybrid system is a result of 50 years of experience and sector knowledge.

Boltero has a pellet unit and a heat pump unit. Pellet heating units to be used mostly during cold winter days. Hence the low maintenance need. Heat pump units will be utilized during mild seasons like Spring and Fall. So the wear and tear on both systems will be less, providing comfort and economy at the same time!

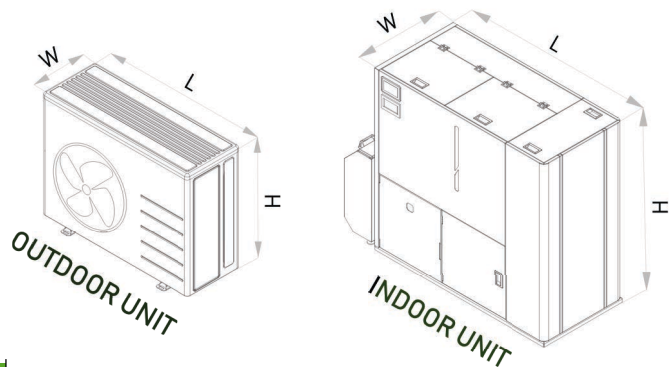
Both heat pump and pellet works in perfect harmony. Moreover, Boltero systems comes with: DHW Tanks(optional with instant heat water), motorized valves and all plumbing elements included in the package. Hot water is the strongest aspect of Boltero systems! It can even provide continuous hot water if need be.

Boltero Hybrid systems are made up of 2 unique systems and you can decide which one to operate. Select the fuel you would like to use (pellet, electric or both) as you will or you can simply let the system to self-operate in the most effective way.

BOLTERO
HYBRID HEATING SYSTEM FOR HOMES



Certification and Incentive Programmes



Reliability of Hybrid System...

TECHNICAL SPECIFICATION OF BOLTERO HYBRID SYSTEM

	UNIT	DATA				
INDOOR UNIT	MAIN PARAMETERS	CAPACITY				
		Heating Output Range	kw	7.5 - 25		
		Nominal-Partial Direct Efficiency/Seasonal Efficiency	%	93.55 - 95.36 / 91		
		EEl / ErP Level	-	133 / A+++		
		Temperature Setting Range	°C	65 - 80		
		Min. Max Operating and Test Pressure	bar	0.8 - 1.5 / 4		
		Electrical Connections	Vac. A. Hz	230 V. 1.5 A. 50 Hz		
		Power Consumption	partial - nominal - max.	Vac. A. Hz	60 - 130 - 340	
		Required Stack Draught (vacuum)	Pa	-10		
		Fuel Type	-	Ø 6 mm Premium quality EN Plus A1		
		Approximate Fuel Consumption	kg/h	1.5 - 5.2		
		WxLxH (with boiler tank)	mm	650x1400x1300		
		WxLxH (without boiler tank)	mm	650x1115x1300		
		Stack Size (Inner-Outer Diameter)	mm	98 - 102		
		Empty Weight	kg	295		
OUTDOOR UNIT	MAIN PARAMETERS	INSTALLATION				
		Water Inlet - Outlet Connection	inch	1" (DN 25)		
		Expansion Tank Volume	lt	18		
		Boiler/Buffer Tank Water Content	lt	65 / 100		
		Fuel Storage Volume	lt/kg	133/90		
		HEATING	Low Temp. Capacity Range	Air 7/6 - Water 30/35 °C	kw	1.57 - 8.4
			COP Range	-	-	2.42 - 7.83
			sCOP / ErP Level	-	-	4.46 / A+++
		COOLING	Medium Temp. Capacity Range	Air 7/6 - Water 15/55 °C	kw	1.28 - 6.81
			COP Range	-	-	1.85 - 4.37
			sCOP / ErP Level	-	-	3.3 / A++
		HEATING	Capacity	Air 35/24 - Water 12/7 °C	kw	0.99 - 6.22
			EER Range	-	-	3.378 - 21.223
		OPERATING CONDITIONS	Ambient Temperature	°C	-	2.70 - 21.91
			Electrical Connections	Vac. A. Hz	-	-30 / 43
Water Temperature Range	°C		-	20 - 55 / 20 - 60 / 7 - 35		
Refrigerant	Type/Content		-	R32 / 1.3		
Noise Level	dB(A)		-	53		
WxLxH	mm		-	475x970x820		
Empty Weight	kg		-	105		
Water Connection Diameter	inch		-	1" (DN 25)		