

CORDIVARI®



NEW
BOLLYTERM® HOME R290

Cordivari company has a proven industrial tradition and is now one of the most important manufacturers in the heating and plumbing industry in Italy.

Founded in 1972 by Ercole Cordivari, the company specializes in the production of Calorifiers, Pressure Vessels, Solar Thermal and Heat Pumps Systems, Storage and Water Treatment Tanks and Decorative Radiators.

Cordivari plants are situated on an area of 370.000 square meters and employs more than 700 employees.

To guarantee the total quality of our products, all of them are designed and Made in Italy, in the Cordivari's plants.

Thanks to development strategies oriented towards technological innovation and continuous staff training, Cordivari is equipped with modern systems and cuttingedge production processes. The technological, ergonomic and ecological choices allow to operate in full respect of people and environment, according to UNI EN ISO 14001 Environmental Management System and UNI EN ISO 45001 Occupational Health and Safety Standard in addition to the UNI EN ISO Quality System 9001, which guarantees the full quality and reliability of our products. Cordivari's highly qualified management, the continuous search for innovative solutions and a strongly customer oriented approach, brought us today to serve more than 2.000 customers in 72 countries around the world, a market leadership position and an exclusive know-how in the production of Integrated Hydrothermal Systems. The testimony of a continuous commitment aimed at achieving Customer Satisfaction.



Cav. **Ercole Cordivari**

BOLLYTERM[®] HOME R290

NEW



Efficiency, innovation and sustainability in a single system

BOLLYTERM HOME R290 is the Cordivari heat pump water heater, designed to ensure maximum energy efficiency, environmental sustainability and smart integration with photovoltaic systems.

Thanks to the use of environmentally friendly R290 refrigerant, which has a low environmental impact, the system ensures domestic hot water production up to 70 °C, with an energy class of A+ and a COP of up to 3.7*, reducing consumption and emissions. Equipped with a WiFi controller, standard electronic control unit and patented design, BOLLYTERM HOME R290 allows remote control via the SmartLife[®] app, offering simple, intuitive and fully digital management of the system.

An ideal choice for new buildings and energy efficiency renovations.

*according to EN 16147 with TA 14°C

- **Energy class A+**
- **Max temperature DHW (Heat pump): 65 °C**
- **C.O.P. up to 3.7***
*according to EN 16147 with TA 14°C
- **WiFi controller**
- **Integration with photovoLiteralsaics**
- **Electronic Control Unit**
- **Unique design (PATENTED)**



Integrated heat pump

External to the storage, condensator coil avoiding any contact between coolant - DHW

Electronic Central Unit (included):

- Water set point adjustment with Climate Curve Function
- Cyclical antibacterial treatment against Legionella
- Adjustment of operating hours
- "Auto", "ECO", "Boost", "Electric resistance only" and "Ventilation only" modes
- Wi-Fi control
- PhotovoLiteralsaics function
- Automatic defrost function



BOLLYTERM® HOME R290

WALL HANGING WATER HEATER WITH INTEGRATED HEAT PUMP



APPLICATION

Production and storage of domestic hot water (DHW).

MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - EN 16421 - WRAS)

HEAT PUMP

The water is heated by an integrated rotary compressor heat pump, equipped with a condenser coil external to the domestic hot water tank.

A 1500 Watt electric resistance with BOOST option is already installed.

Electronic central unit with graphic display allows controlling and scheduling.

INSULATION

High thermal insulation with ecological polyurethane hard foam.

Painted metallic external cover.

DRAIN

External drain connection.

WARRANTY

5 years (tank). See general sales conditions and warranty for electrical parts.

ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



POLYWARM®
COATED
DHW STORAGE



Model

Art. Nr.



ENERGY
CLASS



BOLLYTERM® HOME R290
HARD INSULATION

80

3180162330052

A+

110

3180162330053

A+

HEAT PUMP TECHNICAL DATA

Model		BOLLYTERM® HOME R290 - 80	BOLLYTERM® HOME R290 - 110
Nominal storage capacity	Liters	80	110
Net weight	kg	55	63
Domestic water connections		G1/2" M	G1/2" M
Maximum operating pressure	MPa (bar)	1(10)	1(10)

PERFORMANCE DATA

COP*		2,93	3,04
COP**		3,74	3,74
Heating time**	hr:mm	04:54	05:53
PDC heating time + Resistance (Boost)**	hr:mm	01:46	02:13
ErP energy efficiency class (EU Regulation No. 812/2013)		A+	A+
Seasonal performance / load profile*	%	123,1/M	128,6/M
V40* (ACS ≥ 40°C available with heated storage)	Liters	114	140
Maximum DHW temperature (Heat pump only)	°C	65 °C	65 °C
Maximum DHW temperature with heating element	°C	70 °C	70 °C
Refrigerant		R290 (GWP=3, A3 ISO 817)	R290 (GWP=3, A3 ISO 817)
Refrigerant charge	kg	0,14	0,14
CO ₂ equivalents	t	0.00042	0.00042
Fan air temperature range	°C	-5/+43	-5/+43
Maximum fan speed	Pa	75	75
Duct diameter	mm	125	125
Sound power level (EN 12102)	dB (A)	45	45

ELECTRICAL DATA

Power supply	V / Hz	220-240V- / 50Hz	220-240V- / 50Hz
Maximum electrical power	W	365+1500	365+1500
Maximum nominal current	A	8,1	8,1
Auxiliary resistance electrical power	W	1500	1500
Insulation class		I	I
Degree of protection		IPX1	IPX1

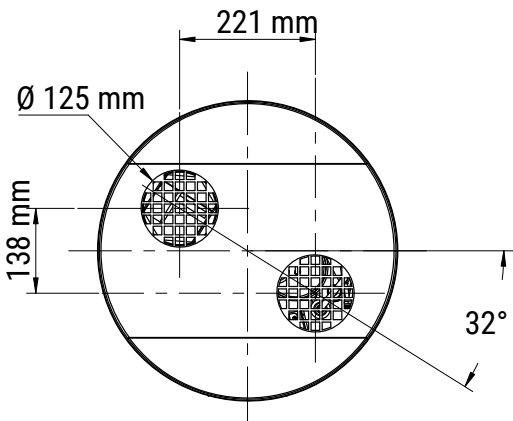
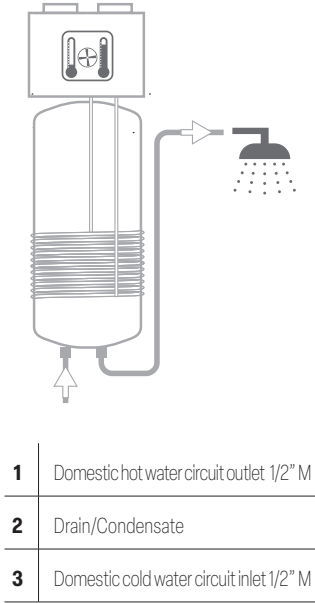
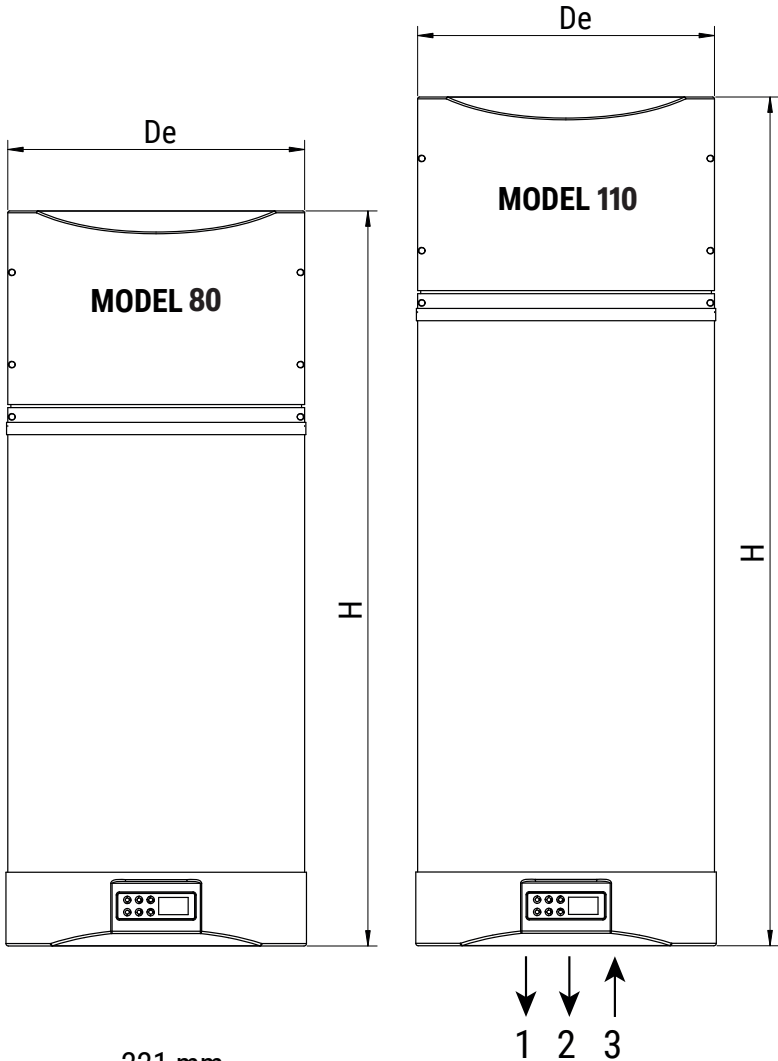
*Values obtained in accordance with EN 16147 with outdoor air temperature of 7°C (87% relative humidity/6°C wet bulb), inlet water temperature of 10°C and storage tank set point temperature of 55°C

**Values obtained according to EN 16147 with outdoor air temperature 14°C (87% relative humidity/13°C wet bulb), inlet water temperature 10°C and storage tank set point temperature 55°C

BOLLYTERM® HOME R290

WALL HANGING WATER HEATER WITH INTEGRATED HEAT PUMP

STORAGE	
Pmax	Tmax
10 bar	90 °C



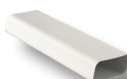
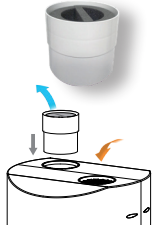
Model	Useful volume	De	H
	[Liters]		
80	80	483	1208
110	102,5	483	1392

The net volume values according to EN 15332 are shown on the product label.

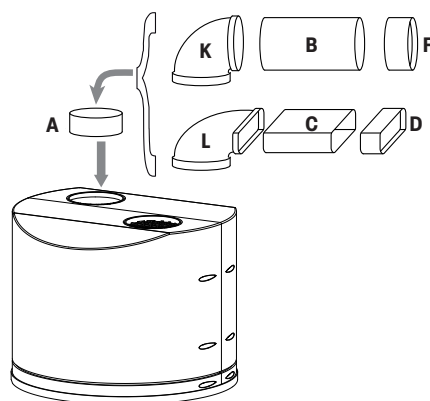




PLASTIC DUCTING COMPONENTS

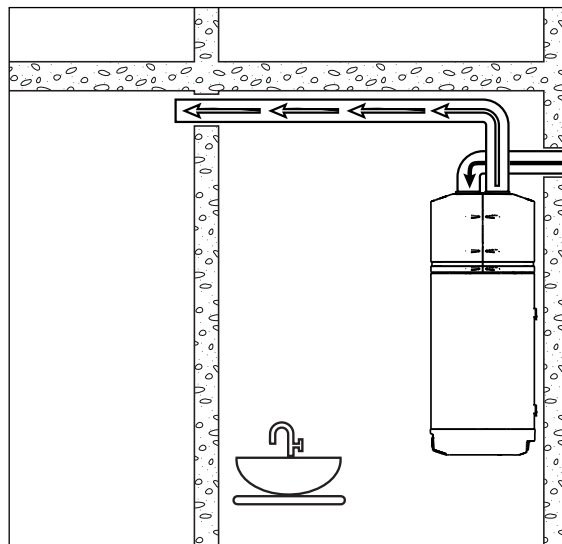
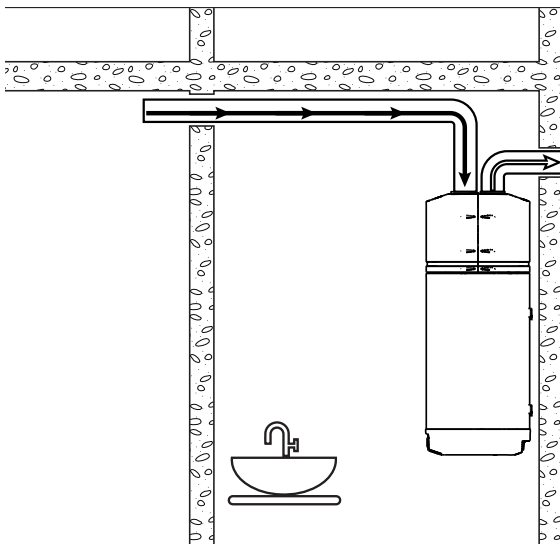
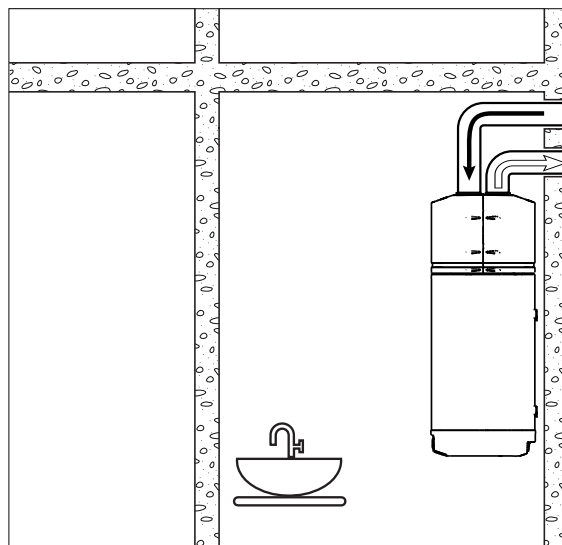
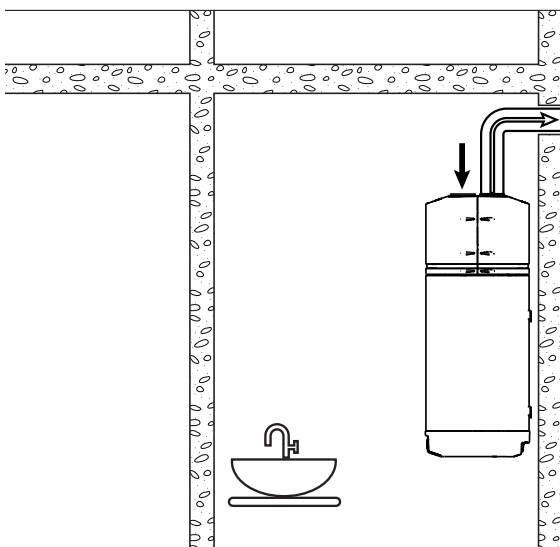
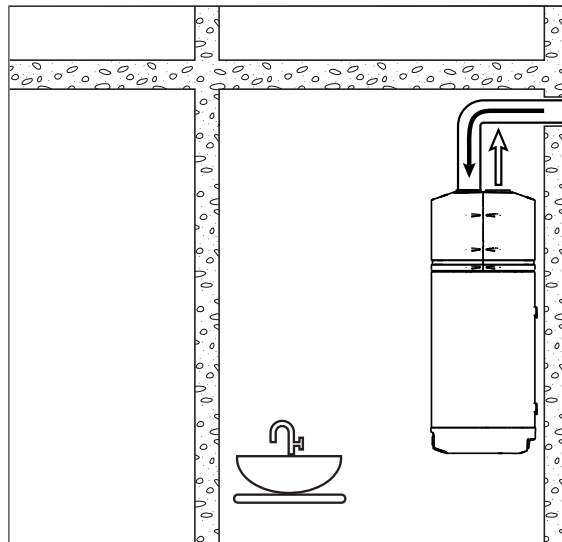
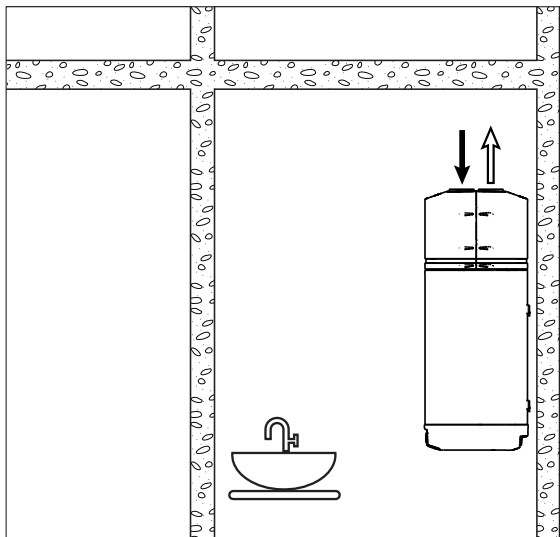
	Art. Nr.	Description
	A 5221000000085	Stub pipe of Ø 125 mm Length 75 mm
	B 5221000000086	Tube of Ø 125 mm Length 1200 mm
	C 5221000000087	Rectangular tube of Ø 150x70 mm Length 1200 mm
	D 5221000000088	Rectangular plastic joint Ø 150x70 mm
	5221000000089	Horizontal joint from round pipe of Ø 125 mm Rectangular Ø 150x70 mm
	F 5221000000090	Round joint Ø 125 mm
	5221000000091	Flexible tube Ø 125 mm Length 1000 mm
	5221000000092	Flexible rectangular tube Ø 150x70 mm Length 1000 mm
	5221000000093	Rectangular curve Ø 150x70 mm horizontal
	5221000000107	Sound pressure reduction Ø 125 mm Length 120 mm Acoustic silencer to reduce by 6dBA the declared values (55 dBA). Tested according to UNI EN 12102-2 and UNI EN ISO 3741 standards.

	Art. Nr.	Description
	5221000000094	Rectangular curve Ø 150x70 mm vertical
	K 5221000000095	Round elbow curve Ø 125 mm
	L 5221000000096	Vertical curve from round Ø 125 mm to rectangular Ø 150x70 mm
	5221000000097	Pair of pipe clamps Ø 150 mm
	5221000000098	Pair of brackets for rectangular tubes Ø 150x70 mm
	5221000000099	Plastic grid with fixed fins for tubes of Ø 125 mm
	5221000000100	Roll of adhesive white tape for tubes, Width 50 x Length 10 mt
	5221000000101	Plastic pipe flange for tubes of Ø 125 mm





EXAMPLES DUCTING SCHEMES





FOLLOW US



www.cordivari.com

CORDIVARI SRL

Z. I. Pagliare 64020 Morro D'Oro (TE) Italy • cordivari.com • Tel. +39 085 80440714 Fax +39 085 8041273
C.F.-P.IVA-VAT Idnr. IT00735570673 • REA TE Nr. 92310 • Cap. Sociale € 10.000.000,00 i.v. • UNI EN ISO 9001 • 14001 • 45001

