

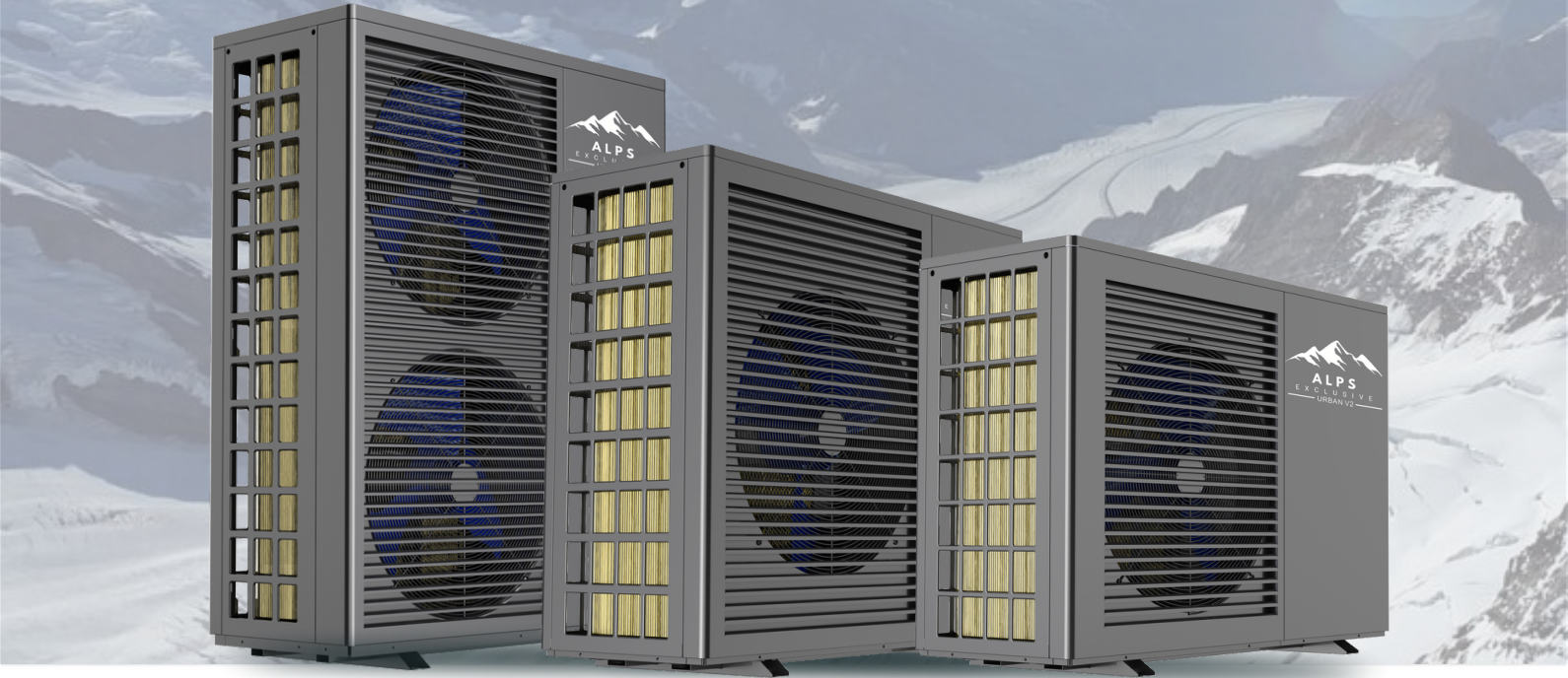


PRODUCT MODEL		AE-08301-MO-V2 Monobloc system	AE-11403-MO-V2 Monobloc system	AE-14803-MO-V2 Monobloc system	AE-22003-MO-V2 Monobloc system
MODEL LINE		URBAN V2	URBAN V2	URBAN V2	URBAN V2
Recommended retail PRICES (EUR)		EUR €4.099	EUR €4.799	EUR €5.299	EUR €6.099
HEATING	HEATING CAPACITY RANGE (kW)	3.30~8.30	4.50~11.40	5.9~14.8	8.80~22.0
	HEATING INPUT RANGE (kW)	0.64~2.18	0.85~2.95	1.13~3.83	1.68~5.77
	CURRENT RANGE (A)	2.93~9.98	1.52~5.27	2.02~6.80	3.00~10.31
COOLING	COP RANGE	3.81~5.17	3.86~5.29	3.86~5.22	3.81~5.24
	COOLING CAPACITY RANGE (kW)	2.40~5.80	3.30~8.20	4.30~10.80	6.20~15.30
	COOLING INPUT POWER (kW)	0.79~2.19	1.08~3.07	1.39~3.99	1.99~5.60
DHW	CURRENT RANGE (A)	3.62~10.02	1.93~5.49	2.48~7.13	3.56~10.00
	EER RANGE	2.65~3.04	2.67~3.06	2.71~3.10	2.73~3.12
	HEATING CAPACITY RANGE (kW)	3.70~7.40	5.20~10.20	6.60~13.20	7.80~17.60
	HEATING INPUT RANGE (kW)	0.79~2.10	1.10~2.87	1.41~3.73	1.67~5.01
	CURRENT RANGE (A)	3.62~9.61	1.97~5.13	2.52~6.67	2.98~8.96
	COP RANGE	3.52~4.69	3.55~4.71	3.54~4.67	3.51~4.66
	REFRIGERANT	R290			
REFRIGERANT WEIGHT	R290/0.7KG	R290/0.95KG	R290/1.1KG	R290/1.4KG	
POWER SUPPLY	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz			
WORKING AREA	-25~43°C				
WATER CIRCULATION (m³/H)	1.43	1.96	2.55	3.78	
WATER PRESSURE DROP (kPa)	30	35	40	45	
IP GRADE (LEVEL OF PROTECTION)	IPX4	IPX4	IPX4	IPX4	
ANTI-ELECTRIC SHOCK RATE	I	I	I	I	
NOISE (DB(A))	≤47	≤52	≤52	≤53	
NET WEIGHT/GROSS WEIGHT (KG)	105/115	160/170	160/170	165/175	
DIAMETER OF PIPE (MM)	DN25	DN25	DN25	DN25	
BODY SIZE (W*D*H) (MM)	1080X460X820	1080X460X960	1080X480X1060	1080X480X1372	
PACKING SIZE (W*D*H) (POLYWOOD)	1100×490×960	1100×490×1110	1100×490×1210	1100×490×1510	
ERP LEVEL (35°C)	A+++	A+++	A+++	A+++	
ERP LEVEL (55°C)	A+++	A+++	A+++	A+++	
COMPRESSOR BRAND	HITACHI	HITACHI	HITACHI	HITACHI	
FOUR-WAY VALVE	SANHUA	SANHUA	SANHUA	SANHUA	
EXPANSION VALVE	SANHUA	SANHUA	SANHUA	SANHUA	
CIRCULATION PUMP	SHIMGE	SHIMGE	SHIMGE	SHIMGE	
RECOMMENDED CIRCUIT BREAKER (A)	20A	16A	16A	20A	
OPERATING WATER TEMPERATURE (°C) DHW		20~65°C (DHW)			
OPERATING WATER TEMPERATURE (°C) HEATING		20~70°C (Heating)			
OPERATING WATER TEMPERATURE (°C) COOLING		7~35°C (Cooling)			



URBAN V2 LINE

R290 Full DC Inverter Heat Pump



- WI-FI
- R290
- LOW GWP
- A+++
ErP Energy Level
- 5.29 SCOP
- NOISE REDUCTION
- SCREWLESS

NOISE REDUCTION, PERFORMANCE AND ENDURANCE

Easily help you save up to 75% of energy consumption

ALPS EXCLUSIVE CH / ALPS EXCLUSIVE EUROPE

Add.: Kryptonstraat 23, 7463 PB Rijssen

Tel : +31 457 234 473

Mail : Info@alps-exclusive.ch / Europe@alps-exclusive.ch

Mail : Marketing@alps-exclusive.ch

Web. : www.alps-exclusive.ch

URBAN V2 LINE

R290 Full DC Inverter Heat Pump



Our URBAN V2 LINE R290 heat pump is an air-to-water full inverter unit. Thanks to the performance of R290 refrigerant and its environmental protection, combined with ALPS EXCLUSIVE ultra-low temperature DC inverter technology, R290 heat pumps have perfect performances such as high heat exchange efficiency, high SCOP, high stability, high outlet water temperature, and low energy consumption. It is specially designed for various types of European private houses, hotels, apartments, etc.

Low Energy Consumption

75%

Up to 75% free heat energy of the R290 Heat Pump comes from the natural air.

75°C

70°C Outlet Hot Water

A+++

High Energy Efficiency Class A+++



SG-READY LABEL

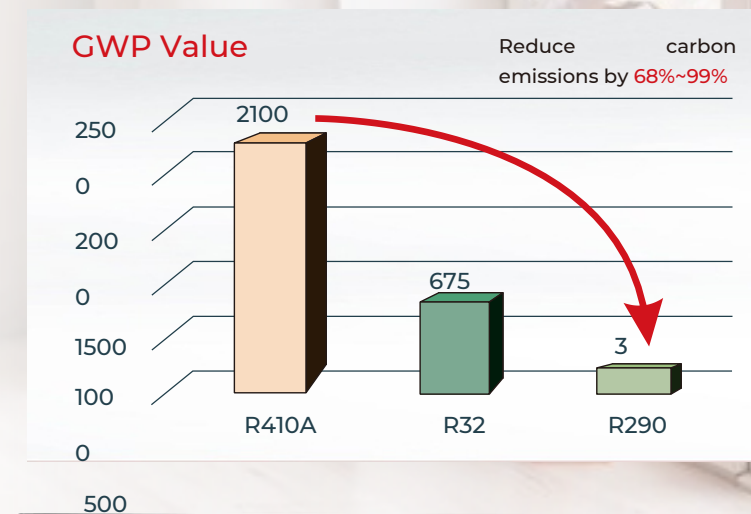
Compatible with boilers and photovoltaic systems

-25°C / -13 °F

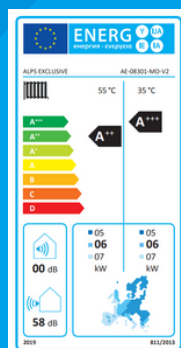
Stable and reliable operating in -25°C / -13°F

FEATURES

- (1) Triple Supply of Heating Cooling and DHW Throughout the Year
- (2) High SCOP 5.29
- (3) High Heat Exchanger Efficiency R290 Refrigerant
- (4) Energy Efficiency Class A+++
- (5) High Outlet Hot Water 75°C/167°F
- (6) Low Noise <53dB
- (7) Reserve 1 Electric Heater Port
- (8) 4-inch LCD Touchscreen Controller with Built-in Wi-Fi Module
- (9) 13 Interface Language Options
- (10) Intelligent Temperature Control
- (11) Intelligent Defrosting
- (12) Support RS485 and Modbus Protocol (BMS Control + max cascade)
- (13) Supports Remote Wi-Fi
- (14) Support SG and EVU Functions
- (15) Registered SG-Ready, ISDE and BAFA



R290



Support 5 Operating Modes

- (1) Space Heating
- (2) Space Cooling
- (3) Space Domestic Hot Water (DHW)
- (4) Heating+DHW (priority)
- (5) Cooling+DHW (priority)



FULL DC INVERTER TECHNOLOGY

The room temperature is more constant and comfortable and energy efficiency increased by: 50%-70%

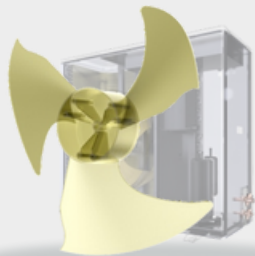
20%↑
EFFICIENCY

HITACHI FULL DC INVERTER COMPRESSOR

Compared with ordinary compressors, under ultra-low temperature conditions, the capacity of EVI compressors is increased by 10-30%, and the energy efficiency is increased by: 10%-20%

SHIMGE DC INVERTER WATER PUMP

Small size, high water flow, low power consumption, low noise, DC voltage power supply, no leakage danger, long service life than other ordinary pumps.



SILENT FAN

Large wind blade, low speed, intelligent stepless speed control logic.

BRUSHLESS DC INVERTER MOTOR

- 1. Stepless frequency conversion operation, low noise, smoother operation, and lower power consumption.
- 2. Long service life, can work continuously for about 20000 hours.



Low Noise

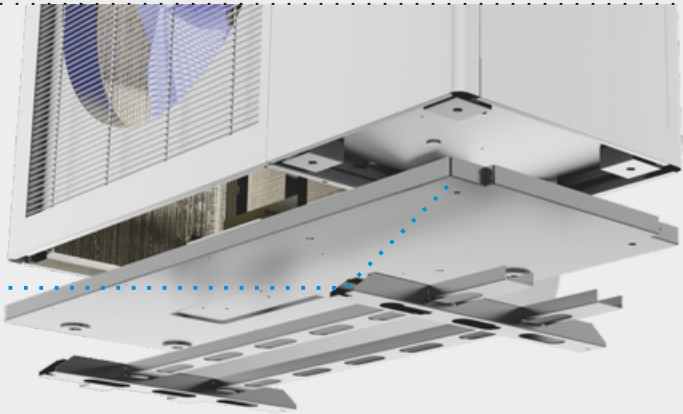


SPECIAL THREE-LAYER SOUNDPROOF COTTON

Sheet metal around the compressor is glued with sound-dampening cotton.

HIGH-STRENGTH CHASSIS

No high and low-frequency resonance.



MULTIFUNCTION LCD TOUCH CONTROLLER

It can be installed anywhere in the house, and the multi-language function allows users to easily switch operating modes, set temperatures, view parameter tables, historical records, etc.

FOUR OPERATING MODES



Four Operating Modes

Smart Silent Power Vacation

Support RS485 and Modbus Protocol
(BMS Control + max cascade 8units)



Max. 8units

- ✓ Built-in Wi-Fi module, App Control
- ✓ Accurate Temp Control To $\pm 0.1^{\circ}\text{C}$
- ✓ 4-inch LCD Touch Screen Display
- ✓ 13 Interface Language Options
- ✓ Intelligent Temps Control
- ✓ Support Timer Setting
- ✓ High Temp Sterilization Function
- ✓ Support Linkage Control With Thermostat

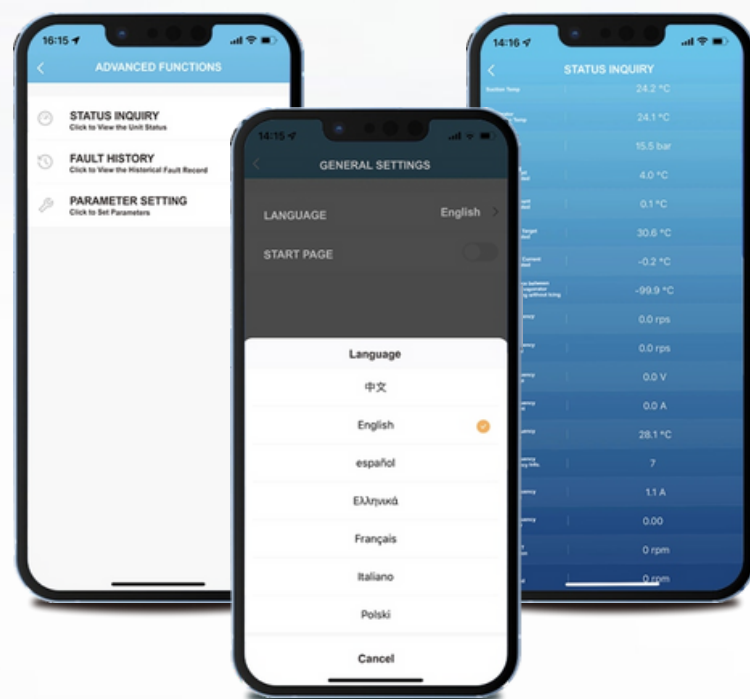


▶ REMOTE CONTROL SOLUTIONS



Remote Free Wi-Fi Function

With a built-in WIFI module, users can directly control the operation of the unit and view parameters anytime and anywhere through the "Smart Life" App, such as Timer Setting, Temperature Adjustment, Mode Switching, Language Selection, etc.



Modes

Languages

Parameters

History Record

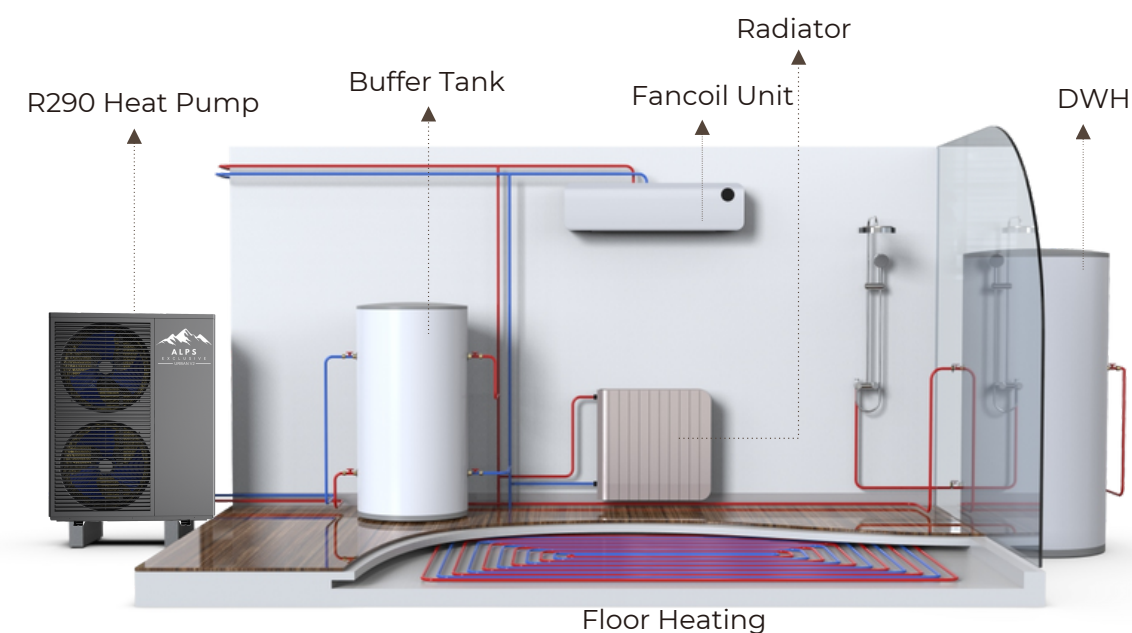
Timer

Real-time Monitorin

Operating Status

...

▶ HIGHLIGHTS OF URBAN V2 LINE



FIN HEAT EXCHANGER

Hydrophilic coating, salt spray resistance, strong oxidation resistance, not easy to frost during heating operation in winter.

SCREWLESS DESIGN

SHIMGE DC INVERTER WATER PUMP

DC INVERTER BRUSHLESS FAN MOTOR

PLATE HEAT EXCHANGER

SILENT FAN

INDEPENDENT CAVITY

The independent cavity design of the compressor and the sound insulation cotton tightly wrapped on all sides further cut off the transmission of noise.

HITACHI FULL DC INVERTER COMPRESSOR

THICKENED CHASSIS

High-strength chassis, no high and low frequency resonance.

