



AQVOCLIMA

Full Product Catalogue

Premium AQVOCLIMA series overview for residential, commercial, pool and domestic hot water applications.

Residential

Commercial

Pool

DHW

Structured for website download, partner sharing and premium presentation use.

Portfolio Overview

A premium summary of the AQVOCLIMA heat pump range, grouped by series for easier selection and faster sales conversations.

AQ-Vento R290

Residential / Light Commercial

6 models

Range: 7.3 - 29.9 kW
Refrigerant: R290

Residential space heating, Residential cooling



AQ-Casa R32

Residential Line

6 models

Range: 7.3 - 32.9 kW
Refrigerant: R32

Residential space heating, Residential cooling



AQ-Impresa R32

Commercial Line

5 models

Range: 46.7 - 199.5 kW
Refrigerant: R32

Commercial buildings, Hotels & hospitality



AQ-Forza HT

High Temperature Line

1 model

Range: 45.0 - 45.0 kW
Refrigerant: R417A

High-temperature hot water systems, Commercial buildings



AQ-Mare Inverno -35

Pool & Spa Line

6 models

Range: 12.0 - 35.0 kW
Refrigerant: R32

Hotel pools, Spa & wellness



AQ-Acqua Uno R290

Domestic Hot Water Line

3 models

Range: 200L / 250L / 300L
Refrigerant: R290

Domestic hot water (apartments, villas), Small offices and shops



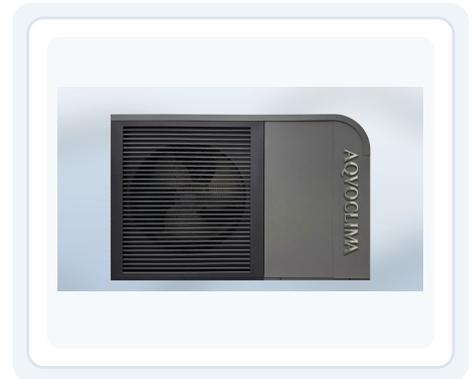
Each series page uses a selected hero image, cleaned positioning copy, complete database-driven feature highlights and a model table designed to stay readable without overlap.

AQ-Vento R290

Residential / Light Commercial

SERIES OVERVIEW

AQ-Vento R290 is a premium air-to-water heat pump series for year-round heating, cooling and domestic hot water in residential and light-commercial applications. Combining low-GWP refrigerant technology with DC-inverter capacity control, the platform supports fan coils, underfloor heating and DHW production while maintaining quiet operation, stable low-ambient performance and high seasonal efficiency. Zone control, Wi-Fi/app connectivity, intelligent defrost and anti-icing functions help improve comfort, simplify control and reduce operating costs.



Key features

- R290 DC-inverter heat pump for Heating, Cooling & DHW
- ErP A+++ class (where applicable) and high seasonal efficiency
- Zone control support for multi-zone comfort
- Wi-Fi control / app remote management
- Smart defrosting for stable output in cold weather
- Quiet operation design
- Cascade control capability for multi-unit installations (up to 8 units)
- Anti-icing technology to reduce defrost frequency (per brochure claim)
- Optional EVI technology for improved low-ambient efficiency (per brochure claim)
- Auto-defrost with short defrost cycles (~90 seconds, per brochure claim)
- Easy installation & commissioning with a single controller (per brochure claim)
- Low-ambient engineering (-35°C class working parameters, per brochure claim)

Applications

- Residential space heating
- Residential cooling
- Domestic hot water (DHW)
- Small multi-unit systems (cascade)

MODEL TABLE

Model	Capacity band* (kW)	COP*	Power supply	R290 charge (kg)
AQ-V-007-AW-1P-R290	2.43-7.33	4.13-5.21	220V-240V~ / 50/60Hz	0.8
AQ-V-010-AW-1P-R290	3.54-10.70	4.19-5.32	220V-240V~ / 50/60Hz	1
AQ-V-014-AW-1P-R290	4.51-13.92	4.03-5.28	220V-240V~ / 50/60Hz	1.4
AQ-V-018-AW-3P-R290	5.90-17.84	4.10-5.18	380V-415V / 3N~ / 50/60Hz	1.5
AQ-V-024-AW-3P-R290	6.98-24.00	4.09-5.22	380V-415V / 3N~ / 50/60Hz	2
AQ-V-030-AW-3P-R290	8.59-29.95	3.92-5.32	380V-415V / 3N~ / 50/60Hz	2.3

Representative rating shown at A7/W30-35 from the source database.

AQ-Casa R32

Residential Line

SERIES OVERVIEW

AQ-Casa R32 is a residential air-to-water inverter heat pump series for heating, cooling and domestic hot water, developed to deliver efficient all-season comfort in both new-build and retrofit projects. The DC-inverter compressor and fan adjust output to match demand more closely, helping reduce cycling, improve seasonal efficiency and support stable operation in cold conditions. Wi-Fi/app control, weather compensation, third-party thermostat compatibility, and intelligent defrost functions make the series well suited to fan-coil, underfloor heating and DHW systems.



Key features

- Heating, cooling and DHW in one inverter system
- Low-temperature operation (down to -35°C class, per brochure claim)
- DC-inverter compressor + DC fan motor (20%-120% modulation range)
- Smart controller: Wi-Fi enabled, app remote control, weather compensation
- Compatible with third-party smart thermostats
- Engineer menu for diagnostics + error history
- Intelligent defrosting (rapid defrost ~1-2 min; long heating cycles, per brochure claim)

Applications

- Residential space heating
- Residential cooling
- Domestic hot water (DHW)

MODEL TABLE

Model	Capacity band* (kW)	COP*	Power supply	R32 charge (kg)
AQ-C-006-AW-1P-R32	2.52-7.35	4.13-5.21	220V-240V~ / 50/60Hz	1.5
AQ-C-009-AW-1P-R32	3.97-11.84	4.19-5.22	220V-240V~ / 50/60Hz	2
AQ-C-012-AW-1P-R32	4.33-14.01	4.03-5.28	220V-240V~ / 50/60Hz	2.2
AQ-C-016-AW-3P-R32	7.57-20.51	4.10-5.18	380V-415V / 3N~ / 50/60Hz	2.8
AQ-C-024-AW-3P-R32	9.91-26.55	4.09-5.22	380V-415V / 3N~ / 50/60Hz	3.2
AQ-C-030-AW-3P-R32	11.72-32.94	4.22-5.22	380V-415V / 3N~ / 50/60Hz	5

Representative rating shown at A7/W30-35 from the source database.

AQ-Impresa R32

Commercial Line

SERIES OVERVIEW

AQ-Impresa R32 is a commercial air-to-water heat pump series engineered for smart buildings. The hydronic system architecture supports chilled water cooling, underfloor heating, radiator circuits and DHW integration via buffer/DHW tanks. Cascade control enables scalable capacity with coordinated lead/lag and weather-compensated operation, while smart controls provide remote monitoring and service diagnostics.



Key features

- Commercial hydronic solutions: cooling, underfloor heating, radiators and DHW integration
- Cascade control for scalable capacity (up to 8 units, per brochure claim)
- Wi-Fi enabled controller for remote monitoring and service access
- Quiet operation design and optimized fan control
- Anti-icing technology to reduce defrost frequency (per brochure claim)
- Auto-defrost with short defrost cycles (~90 seconds, per brochure claim)
- Optional EVI technology for improved low-ambient performance (per brochure claim)
- Easy commissioning: single controller, parameter access and diagnostics
- Eco-friendly refrigerant platform (R32) supporting decarbonization goals

Applications

- Commercial buildings
- Hotels & hospitality
- Schools and public buildings
- Multi-unit hydronic systems

MODEL TABLE

Model	Capacity band* (kW)	COP*	Power supply	R32 charge (kg)
AQ-I-045-AW-3P-R32	14.42-46.69	4.13-5.21	380V-415V / 3N~ / 50/60Hz	6.5
AQ-I-070-AW-3P-R32	22.50-73.90	4.02-5.12	380V-415V / 3N~ / 50/60Hz	5.0x2
AQ-I-100-AW-3P-R32	29.42-100.69	3.93-5.01	380V-415V / 3N~ / 50/60Hz	6.0x2
AQ-I-150-AW-3P-R32	46.87-150.34	4.10-5.18	380V-415V / 3N~ / 50/60Hz	7.5x2
AQ-I-200-AW-3P-R32	61.88-199.53	3.89-5.11	380V-415V / 3N~ / 50/60Hz	7.5x4

Representative rating shown at A7/W30-35 from the source database.



AQ-Forza HT

High Temperature Line

SERIES OVERVIEW

AQ-Forza HT R417 is a high-temperature DC-inverter commercial heat pump series designed for low-carbon hot water production and smart building applications. The system supports high outlet water temperatures (up to 82°C class, per brochure cover) with intelligent control, quiet operation and scalable cascade configurations.



Key features

- R417A high-temperature DC-inverter commercial heat pump
- High hot-water outlet temperature capability (up to 82°C class, per brochure cover)
- Commercial application focus for smart buildings and centralized systems
- Wi-Fi enabled intelligent controller
- Cascade control for multi-unit installations
- Quiet operation design
- Designed for high-temperature hot water plants and retrofit systems

Applications

- High-temperature hot water systems
- Commercial buildings
- Centralized heating plants
- Retrofit systems requiring higher water temperatures

MODEL TABLE

Model	A7/W65 heat output (kW)	COP	Power supply	Refrigerant
AQ-F-045-HT-3P-R417A	45	2.06	380V-415V / 3N~ / 50Hz	R417A

Capacity shown at A7/W65. COP summarized from the source database.

AQ-Mare Inverno -35

Pool & Spa Line

SERIES OVERVIEW

AQ-Mare Inverno -35 is an inverter air-source pool heat pump series for heating & cooling of swimming pools and spas. The controller intelligently adjusts compressor speed based on water temperature demand, helping maintain a stable set-point with higher seasonal efficiency and less cycling. Built for extended-season operation, the series is designed for low-ambient performance and reliable winter heating with smart defrost control.



Key features

- Inverter control - compressor speed adapts to water temperature demand
- Designed for low-ambient pool operation (down to -35°C) and extended season use
- Heating & cooling capability for pool water temperature control
- High-efficiency heat exchanger (compact, low water resistance)
- PVC titanium heat exchanger - corrosion resistant and pool-water safe
- Copeland scroll compressor option for high reliability and low noise
- Fast defrosting - automatic defrost with quick recovery (~2 minutes)
- IoT remote maintenance & management (monitoring, alarms, protection)
- Intelligent controller display: timers, diagnostics, error codes, parameter inquiry
- Energy saving design - brochure claim up to 80% vs traditional electric heating
- Comfort & stable heating - reduced temperature swings
- Convenient installation with free air flow (wall / roof / indoor plantroom)

Applications

- Hotel pools
- Spa & wellness
- Schools
- Sports centers
- Gyms
- Water parks
- Hot-spring resorts
- Public pools

MODEL TABLE

Model	Pool heat band* (kW)	COP*	Power supply	Refrigerant
AQ-M-012-PL-1P	3-12	6-15.8	220V / 1N~ / 50Hz(60Hz)	R32
AQ-M-016-PL-1P	4-16	6-15.8	220V / 1N~ / 50Hz(60Hz)	R32
AQ-M-018-PL-1P	4.5-18	6-15.8	220V / 1N~ / 50Hz(60Hz)	R32
AQ-M-024-PL-1P	6-24	6-15.8	220V / 1N~ / 50Hz(60Hz)	R32
AQ-M-028-PL-3P	7-28	6-15.8	380V / 3N~ / 50Hz(60Hz)	R32
AQ-M-035-PL-3P	8.75-35	6-15.8	380V / 3N~ / 50Hz(60Hz)	R32

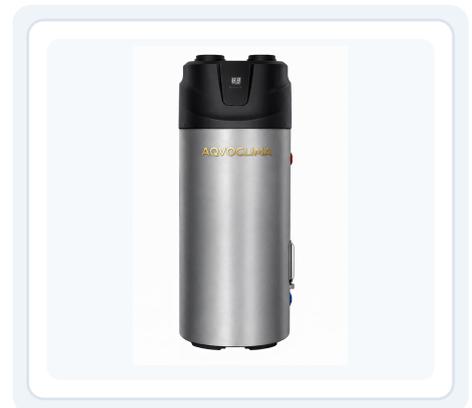
Pool heating data shown at Air 26 C / Water 26 C from the source database.

AQ-Acqua Uno R290

Domestic Hot Water Line

SERIES OVERVIEW

AQ-Acqua Uno R290 is an all-in-one domestic hot water heat pump series for apartments, villas, hospitality, and light-commercial sites that need efficient year-round DHW in a compact footprint. Using low-GWP R290 refrigerant with DC-inverter control, an electronic expansion valve, and intelligent temperature management, the unit delivers stable hot water performance, low operating noise, and reduced energy consumption. Integrated storage-tank configurations, user-friendly digital control, and optional Wi-Fi support simplify installation and daily operation, making the platform well suited to both new installations and retrofit water-heating upgrades.



Key features

- All-in-one integrated design - compressor, condenser and evaporator in one casing
- DC inverter control for smoother operation and better efficiency
- Wi-Fi control option for convenient monitoring and control
- Intelligent external controller with user-friendly interface
- Electronic expansion valve for accurate refrigerant control and energy saving
- Space-saving footprint - suitable for apartments and limited-space installations
- Easy installation - reduced piping and commissioning complexity
- R290 refrigerant (low-GWP) for modern European requirements
- Multiple protection systems to ensure water safety

Applications

- Domestic hot water (apartments, villas)
- Small offices and shops
- Hotels and hospitality
- Schools and hospitals
- Catering buildings and service facilities
- Laundry and utility buildings

MODEL TABLE

Model	Tank	HP rated power	COP	Rated voltage
AQ-A-200-DHW-1P-R290	200L	385W W	3.9	220V-240/1N 50HZ
AQ-A-250-DHW-1P-R290	250L	385W W	3.9	220V-240/1N 50HZ
AQ-A-300-DHW-1P-R290	300L	385W W	3.9	220V-240/1N 50HZ

Domestic hot-water specifications summarized from the source database.

