Haier
More Creation, More Possibilities

Haier
Heating

Air To Water Heatpump

Brochure 2025/26

Haier

Haier

More Creation, More Possibilities

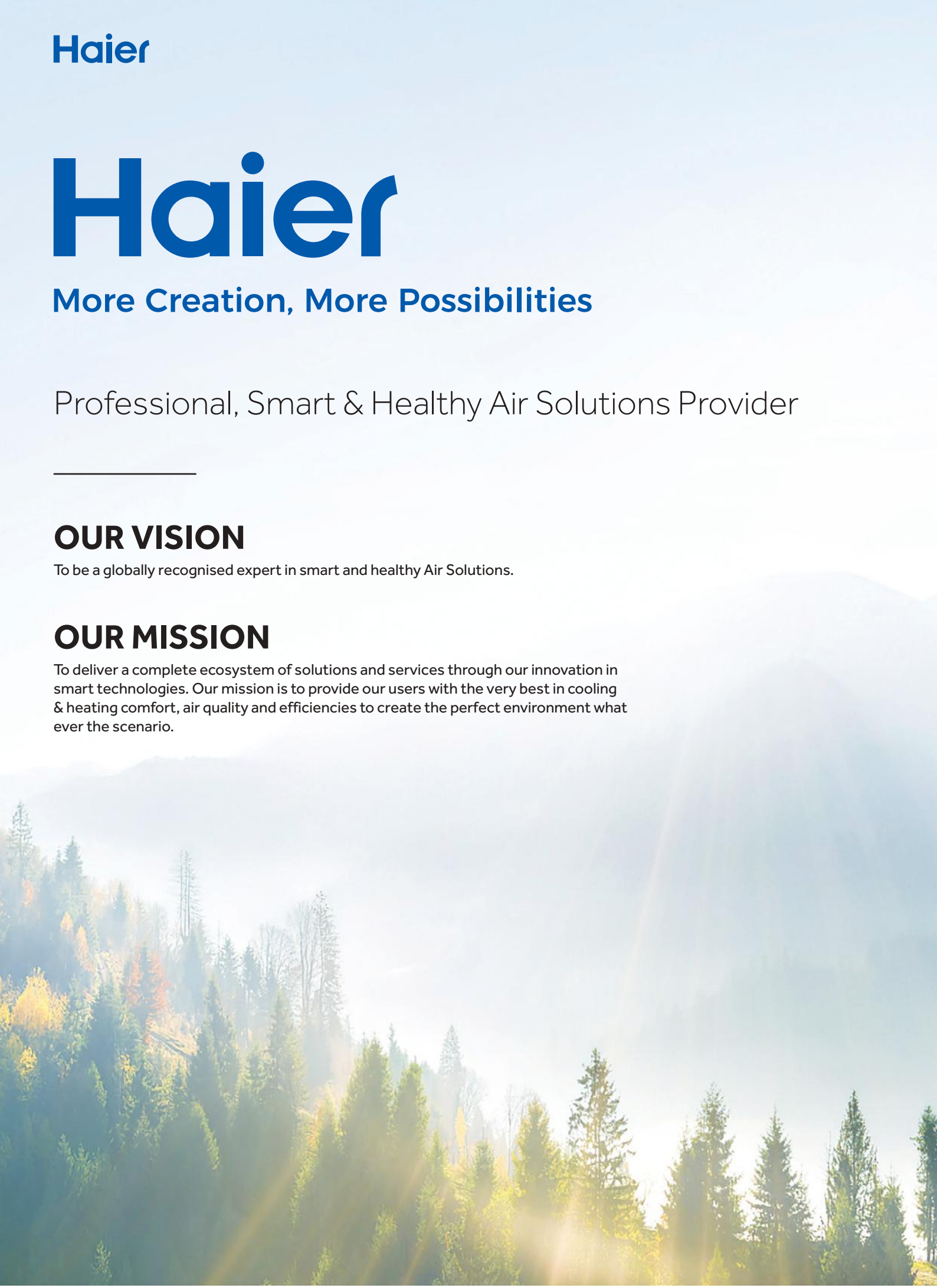
Professional, Smart & Healthy Air Solutions Provider

OUR VISION

To be a globally recognised expert in smart and healthy Air Solutions.

OUR MISSION

To deliver a complete ecosystem of solutions and services through our innovation in smart technologies. Our mission is to provide our users with the very best in cooling & heating comfort, air quality and efficiencies to create the perfect environment what ever the scenario.



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Haier

GLOBAL POSITION

WORLD'S NO.1 MAJOR APPLIANCES BRAND

Haier has been accredited with being global No.1 in major household appliances by retail sales from 2008-2024, according to data from Euromonitor.

WORLD'S NO.1 SMART AC BRAND

Haier is the world's No.1 connected air conditioner brand, in retail sales 2024, according to data from Euromonitor.

TOP 100 MOST VALUABLE BRANDS

Haier is the world's only IoT Ecosystem Brand that has been ranked in the Kantar BrandZ Top 100 Most Valuable Global Brands for six consecutive years.

TOP 100 GLOBAL CHALLENGERS

With the global landing of the Smart Home ecosystem brand, Haier Smart Home was once again listed on the Fortune Global 500.

"ESG" INTERNATIONAL AWARDS

Haier has received numerous recognitions for its ESG efforts, including the Sustainable Markets Initiative's 2023 Terra Carta Seal.

FORTUNE'S MOST ADMIRED COMPANIES

Haier has been named one of the World's Most Admired Companies by Fortune's, making the sixth consecutive year the Company is on this prestigious list.

GLOBAL NETWORK

Haier currently has 10+ R&D centres, 29 industrial parks, 122 manufacturing centres and 108 marketing centres around the world, reaching out to more than 200 countries and regions and serving 1 billion user households.

Haier has 7 major home appliance brands worldwide: Haier, Casarte, Leader, AQUA, Fisher & Paykel, GE Appliances and Candy.

Each of these brands offers the best user experience to various consumer groups in many regions and countries around the world.


GEA Factory


CANDY Factory


Russia Factory

Russia Second Phase


Thailand Factory

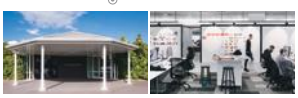

Nigeria Factory


Pakistan Economic Zone


Indonesia Factory


Pune(India) Industrial Park

Greater Noida(India) Industrial Park


FPA R&D Center


Vietnam Factory

10+N R&D Centers | **126** Marketing Centers | **35** Industrial Parks | **138** Factories | **200+** Countries or Regions

Haier

HVAC SOLUTIONS IN EUROPE

Haier's European HVAC operations has been active for over 30 years where we are fully supported by some of the most talented and dedicated partners and teams across Europe including, Italy, Spain, Portugal, UK, France, Greece, Central Europe and Germany.

These markets carry a wide range of products which includes, Residential & Light Commercial solutions as well as Large Commercial and Heating Solutions, giving us a truly diverse offering to suit various applications from residential to larger Hotels and Retail. Our total production capacity is over 27 million sets per year, supported by 16 Air Conditioning factories with 8 of them being in overseas markets.

This outstanding capacity enables us to continually strive to lead the market in delivering Smart and Healthy solutions across Europe.

Haier HVAC European operations are anchored by two key hubs: Haier Iberia in Barcelona, Spain, serving Spain and other European countries and Haier AC Trading Italy, situated in Revine Lago, which caters to both the Italian and broader European markets.

Recently, the addition of Haier HVAC UK has further strengthened our presence in Europe, contributing to our ongoing growth in the region.

HVAC EUROPEAN TRAINING HUB

Since 2024, our Training Hub in Barcelona has welcomed over 3000 visitors, including installers, designers and distributors, to strengthen their knowledge of Haier's solutions.

The hub has been specifically designed to have a dedicated room for each portfolio: residential, heating, commercial and from 2024 a brand-new floor has welcomed a training room for new energy solutions. In addition, the new 3rd floor gives the opportunity to both internal and external guests to host meetings and workshops, thanks to an additional meeting room and co-working spaces accessible at all times.

HVAC EUROPEAN TRAINING HUBS

At Haier we are continually investing in opening facilities for our HVAC professionals to train and experience the Haier portfolio. We have many training centres across Europe supported by our partners. To join our training facility in Venice, in 2022 we celebrated the opening of our new HVAC European training centre in Barcelona. The new training Hub can facilitate a range of training programmes which are tailored to the needs of our professional HVAC network. The Hub has welcomed over 3000+ visitors who have all be able to get close to the brand and the complete ecosystem of solutions we have on offer.

The facilities are fully operational with 3 dedicated rooms, which includes products from our portfolio from Residential, Heating and Commercial solutions, giving visitors a truly hands on experience.

We look forward to welcoming our Distributors, Installers and Designers to come and experience Haier's HVAC Solutions first-hand.

Follow us on LinkedIn to keep up to date about upcoming events and products

Haier

CONNECTED ECOSYSTEM

A2W HEAT PUMP

ENERGY STORAGE

HP WATER HEATER

A2A HEAT PUMP

Haier solutions for renewable energy production and management

Haier has been investing for years in an integrated ecosystem that combines smart applications, renewable energy, and advanced technologies to improve quality of life and reduce environmental impact. The goal is ambitious: to contribute to the realisation of buildings with zero impact by promoting energy efficiency, reduction of CO_2 emissions, and adoption of natural refrigerants and advanced green technologies to fight global warming. Haier commitment to a more sustainable world has been increasingly more evident thanks to the introduction of Haier Energy, the brand-new Haier division dedicated to the manufacturing and distribution of photovoltaic, energy storage, power conversion system and electric mobility across the European market through specialized distributors and wholesalers. The benefits of utilizing a comprehensive energy management system that encompasses photovoltaic panels, inverters, batteries, heat pump water heaters and ATW systems for domestic hot water, and heat pump air conditioners are significant. This integrated approach allows for seamless control and monitoring of all components through a single application, hOn.
By consolidating these various technologies into one cohesive system, users can optimize energy consumption, enhance efficiency, and reduce operational costs. Furthermore, the centralized management provided by the hOn app facilitates real-time data analysis and performance tracking, empowering users to make informed decisions regarding their energy usage while contributing to a more sustainable future.

For more scan here

hOn

GET IT ON Google Play

Available on the App Store

Haier HVAC Solutions boasts a comprehensive portfolio spanning three key sectors: Air Conditioning, Heating and Green Energy. Throughout this portfolio Haier HVAC covers both domestic and commercial solutions but what makes Haier truly unique, is the ability to connect and integrate its range of products to create a one brand solution. Having the ability to do this simplifies all aspects of the supply chain from pre-sales through to after sales support.

The hOn application by Haier can be used to control and manage all Haier products. This gives users complete control over how they use their energy. The hOn app includes key features such as scheduling the units working time as well as monitoring the energy usage to ensure the system is working to its optimum level.

Haier's one brand solution reinvents the way that domestic and commercial properties consume energy, putting complete control in the hands of the user to ensure all their Haier products are operating in a way that suits the user's lifestyle and environment.

Haier

R290

More Friendly To Nature

R290 with zero Ozone Depletion Potential and Low Global Warming Potential is Eco & Ozone-friendly, which reduces the harmful effects of the planet.

Thanks to the excellent thermodynamic performance of R290 and advanced heat pump technology, the new Haier R290 high temperature series helps to reduce carbon emissions and achieve carbon neutrality goals.

Ultimate Comfort

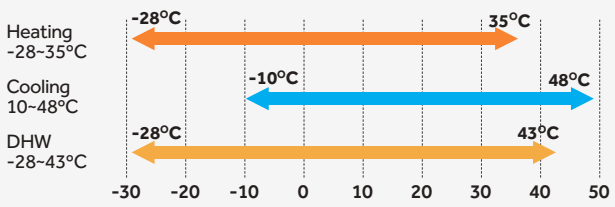
High Efficiency

High Reliability

Super Convenience

WIDE TEMPERATURE RANGE

Operating Temperature Range



SMART OPERATION

Voice Control

hOn App

ENERGY MONITORING

With Touchscreen

TRANSITION TOWARDS LOWER GWP REFRIGERANTS

1930s - 1990s	1930s - 2010s	1990s +	2010 +
Long atmospheric lifetime Strong ozone depletion Strong global warming	Shorter atmospheric lifetime Lower ozone depletion Lower global warming	Shorter atmospheric lifetime Non-ozone depletion Lower global warming	Very short atmospheric Non-ozone depleting Very low global warming *HFOs CO_2 Hydrocarbons

Ozone Depletion Potential & Global Warming Potential

HIGH ODP HIGH GWP	LOW ODP MID GWP	ZERO ODP LOW GWP	ZERO ODP VERY LOW GWP	ZERO ODP GWP=1
R11, R12	R21, R22	R32, R134a, R410A	R1234yf, R1234ze	CO_2, Propane
CFC Chlorofluorocarbons	HCFC Hydrochorofluorocarbons	HFC Hydrofluorocarbons	HFO Hydrofluoro-Olefin	NATURAL

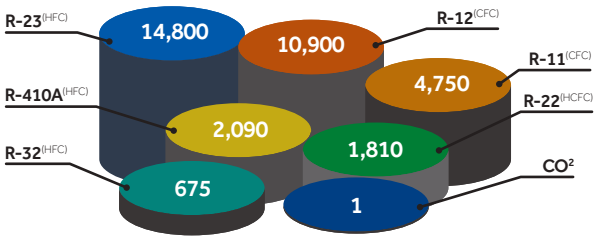
Refrigerant Groups

Phased Out — Phasing Down — Development

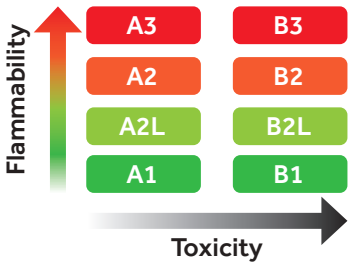
100 YEAR GLOBAL WARMING POTENTIAL OF DIFFERENT REFRIGERANTS*

Source: Values for 100 Global warming potential (GWP) from IPCC Fourth Assessment Report.
Comparative 100 year GWP: HFC410A, 2,090; HFC32, 675*

Approximately **10%** Reduction in Electricity Consumption

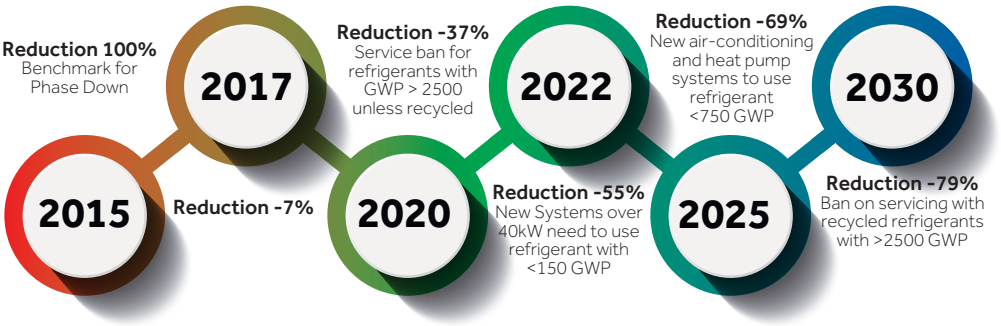


SAFETY GROUP



The letter indicates toxicity level:
A = Low toxicity level
B = High toxicity level

The number indicates flammability level:
1 = Non flammable
2L = Slightly flammable
2 = Flammable
3 = Highly flammable



R290	R744 (CO_2)	R717 (Ammonia)	R32	R410A
Refrigerant type: Natural	Refrigerant type: Natural	Refrigerant type: Natural	Refrigerant type: HFC	Refrigerant type: HFC
GWP: 3	GWP: 1	GWP: 0	GWP: 675	GWP: 2090
Safety Group: A3	Safety Group: A1	Safety Group: B2L	Safety Group: A2L	Safety Group: A1

WHAT IS AN AIR TO WATER HEAT PUMP?

An air source heat pump also known as an Air-To-Water Heat Pump transfers heat from the outside air to water. This in turn heats the space via radiators or underfloor heating. It can also heat water stored in a hot water cylinder for hot water taps, baths and showers.

The Haier Air to Water Heat Pump range uses free renewable energy from the outside air as a heat source for space heating and providing domestic hot water. This energy efficient and environmentally friendly solution substantially reduces energy consumption, running cost and CO_2 emissions in heating compared to conventional oil and gas boilers.

The system draws energy from the outside air to create a high efficiency solution for your needs, with efficiencies of over 3:1.

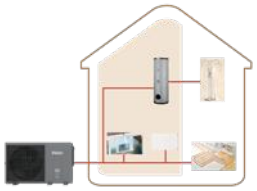
How does an air source heat pump work?

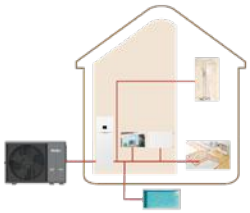
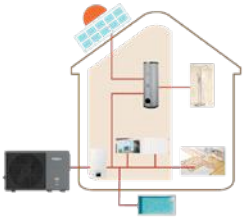
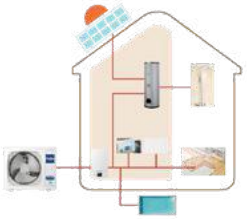
A heat pump uses a process similar to your refrigerator, it takes heat from one place to another. We use this process to harvest heat from the air outside and use this heat to warm water used to heat your house.

A2W MODEL LINEUP

TYPE	R290						R32		
UNITS	 MONOBLOC GT		 HYDRO ALL IN ONE GT		 HYDRO SPLIT GT		 SPLIT HE	 MONOBLOC HE	
PHASES	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 1	Phase 3
4kW	AW042MUGHA		AW042HUGHA HU102F20AHYA		AW042HUGHA HU102WAHYA		AW042SSCHA HU062WAMNA		
5/6kW	AW062MUGHA		AW062HUGHA HU102F20AHYA		AW062HUGHA HU102WAHYA		AW062SSCHA HU062WAMNA	AW052MUCHA	
7/8kW	AW082MUGHA		AW082HUGHA HU102F20AHYA		AW082HUGHA HU102WAHYA		AW082SNCHA HU102WAMNA	AW072MUCHA	
9/10kW	AW102MUGHA	AW10NMUGHA	AW102HUGHA HU102F20AHYA	AW10NHUGHA HU102F20AHYAE3	AW102HUGHA HU102WAHYA	AW10NHUGHA HU10NWAHYAE3	AW102SNCHA HU102WAMNA	AW092MUCHA	
11/12kW	AW122MXGHA	AW12NMXGHA	AW122HVGHA HU162F20AHYA	AW12NHVGHA HU162F20AHYAE3	AW122HVGHA HU162WAHYA	AW12NHVGHA HU16NWAHYAE3		AW112MXCHA	AW11NMXCHA
14kW	AW142MXGHA	AW14NMXGHA	AW142HVGHA HU162F20AHYA	AW14NHVGHA HU162F20AHYAE3	AW142HVGHA HU162WAHYA	AW14NHVGHA HU16NWAHYAE3		AW142MXCHA	AW14NMXCHA
15/16kW	AW162MXGHA	AW16NMXGHA	AW162HVGHA HU162F20AHYA	AW16NHVGHA HU162F20AHYAE3	AW162HVGHA HU162WAHYA	AW16NHVGHA HU16NWAHYAE3		AW162MXCHA	AW16NMXCHA

The data in this catalogue is purely indicative as the data may vary. Please be advised to check the accuracy of the data with the supplier before purchasing products.

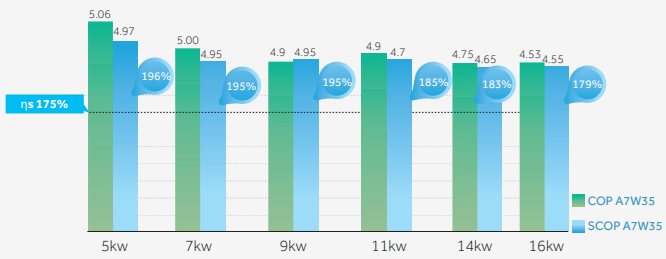
SERIES	MONOBLOC	
Type	R290 A2W GT Series 	R32 A2W 
Advantages	Water connection indoor to outdoor	
Max. leaving water temperature (°C)	80	60
HIGH EFFICIENCY		
Refrigerant (GWP)	R290 (3)	R32 (675)
Energy Class at 35°C/7°C	A+++	A+++
Energy Class at 55°C/7°C	A+++	A++
Min. Ambient Temp. at Heating (°C)	-25	-25
Sound Power dB	55	60
ULTIMATE COMFORT		
2 Zone Control	●	●
Fast DHW	●	●
Quite Mode	●	●
Turbo Mode	●	●
Climate Curve	●	●
Sterilisation	●	●
Auto Mode	●	●
HIGH RELIABILITY		
Floor Drying	●	●
Anti-Freezing	●	●
Anti-rust and Corrosion of Water Pump	●	●
INTELLIGENCE		
Smart Grid	●	●
Modbus	●	●
Energy Monitoring	●	
WiFi	hOn integrated	Optional
Holiday Mode	●	●
Scheduling Programs	●	●
DHW Tank Solar Thermal Control	●	●
Auxiliary Heating Source	●	●
Pool Heating	●	●
Bivalent Control	●	●
Cascade Control	●	●
SUPER CONVENIENCE		
Selection Software	Yes	No
Standardised indoor to outdoor wiring	Yes (P+Q)	No
SD Card Slot	Yes	No
Error History	●	●

SERIES	HYDRO ALL-IN-ONE	HYDRO SPLIT	SPLIT
Type	R290 A2W GT Series 	R290 A2W GT Series 	R32 A2W 
Advantages	Easier installation thanks to integrated water tank	Heat exchange is in the outdoor unit. Water connection indoor to outdoor	Refrigerant connection between indoor and outdoor
Max. Leaving Water Temperature (°C)	80	80	60
		HIGH EFFICIENCY	
Refrigerant (GWP)	R290 (3)	R290 (3)	R32 (675)
Energy Class at 35°C/7°C	A+++	A+++	A+++
Energy Class at 55°C/7°C	A+++	A+++	A++
Min. Ambient Temp. at Heating (°C)	-25	-25	-25
Sound Power dB	55	55	58
		ULTIMATE COMFORT	
2 Zone Control	●	●	●
Fast DHW	●	●	●
Quite Mode	●	●	●
Turbo Mode	●	●	●
Climate Curve	●	●	●
Sterilisation	●	●	●
Auto Mode	●	●	●
		HIGH RELIABILITY	
Floor Drying	●	●	●
Anti-Freezing	●	●	●
Anti-rust and Corrosion of Water Pump	●	●	●
		INTELLIGENCE	
Smart Grid	●	●	●
Modbus	●	●	●
Energy Monitoring	●	●	
WiFi	hOn integrated	hOn integrated	Optional
Holiday Mode	●	●	●
Scheduling Programs	●	●	●
DHW Tank Solar Thermal Control	●	●	●
Auxiliary Heating Source	●	●	●
Pool Heating	●	●	●
Bivalent Control	●	●	●
Cascade Control	●	●	●
		SUPER CONVENIENCE	
Selection Software	Yes	Yes	No
Standardised indoor to outdoor wiring	Yes (P+Q)	Yes (P+Q)	No
SD Card Slot	Yes	Yes	No
Error History	●	●	●

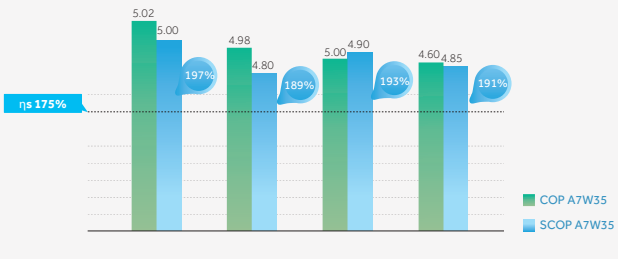
HIGH EFFICIENCY

EFFICIENCY R32

The Gen II A2W HP Monobloc has an impressive energy class of A+++. A SCOP of 4.97 and a COP of 5.06 can be reached when the leaving water temperature is 35°C.



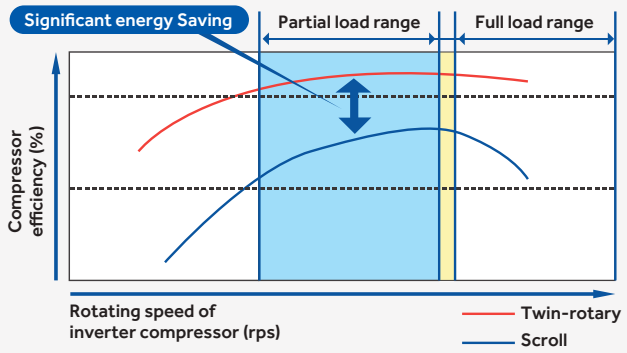
Monobloc Series



Split Series

FULL DC INVERTER TECHNOLOGY R290 R32

Our heat pumps adopt a full DC inverter twin-rotary compressor which has a smaller size and higher efficiency compared with a scroll compressor.The minimal friction of the compressor and the reduction in running vibration enables us to delivery high efficiency and low noise coming from the compressor.

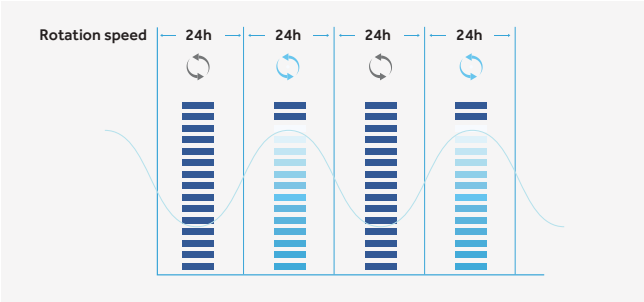


A+ HOT WATER ERP CLASS R290

HIGH RELIABILITY

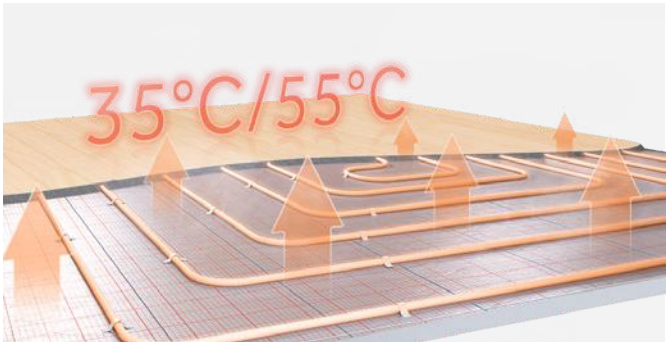
ANTI-RUST AND CORROSION R290 R32

The HE and GT series heat pump has an anti corrosion function. The water pump will automatically run for 60s every 24h, as the following curve shows.



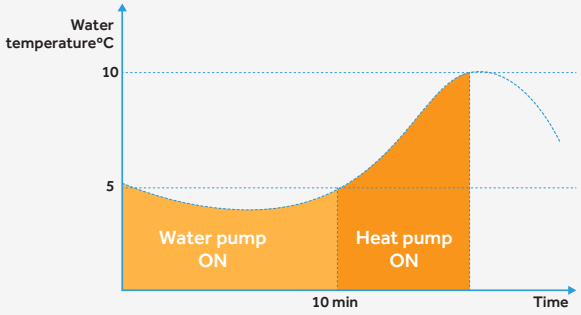
FLOOR DRYING R290

Floor drying mode allows the installer to dry out a new floor screed slowly to avoid cracking.



ANTI-FREEZING R290 R32

The HE series has an anti freeze function, if the water temperature falls below 5C the water pump will start. If the water temperature doesn't rise after 10 minutes the heat pump will automatically start.



SUPER CONVENIENCE

CHECK ERROR INFORMATION R290 R32

If errors occur, the service engineer can not only check the current errors, but also the historical error records, which is convenient for fast troubleshooting.

CHECK SYSTEM PARAMETERS R290 R32

Many important parameters about the system can be accessed through the 'System Status' function, including the system parameters, indoor and outdoor units parameters. These parameters are helpful to diagnose the system.

ULTIMATE COMFORT

2-ZONE CONTROL R290 R32

When there are different room temperature requirements, two zone temperature control in both heating and cooling circuits is possible. You can maintain two different water temperatures to achieve intelligent control and save energy.

FAST DHW R290 R32

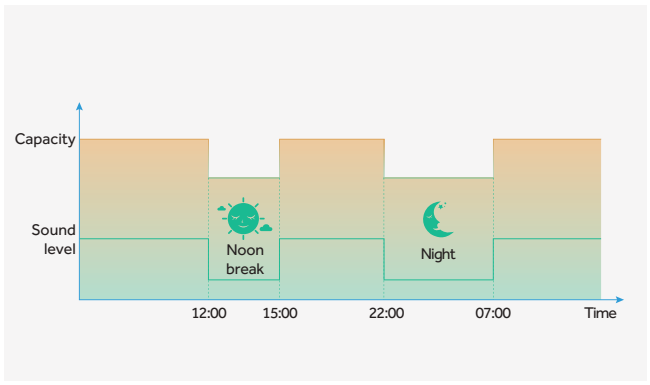
When Fast DHW is activated, the backup heater or auxiliary heating source will be turned on at the same time, in combination with the heat pump. In order to reach DHW setting point as soon as possible. the outdoor ambient temperature and compressor running time will not affect this operation.

MAX.60/80°C HOT WATER R290 R32

High leaving water temperature of 60°C (R32) or 80°C (R290) is guaranteed without using a backup heater when the outdoor temperature is lower than -15°C.

QUIET MODE R290 R32

The Quiet Mode can work together with the timer function. To guarantee low sound levels during quiet periods such as night time.



TURBO MODE R290 R32

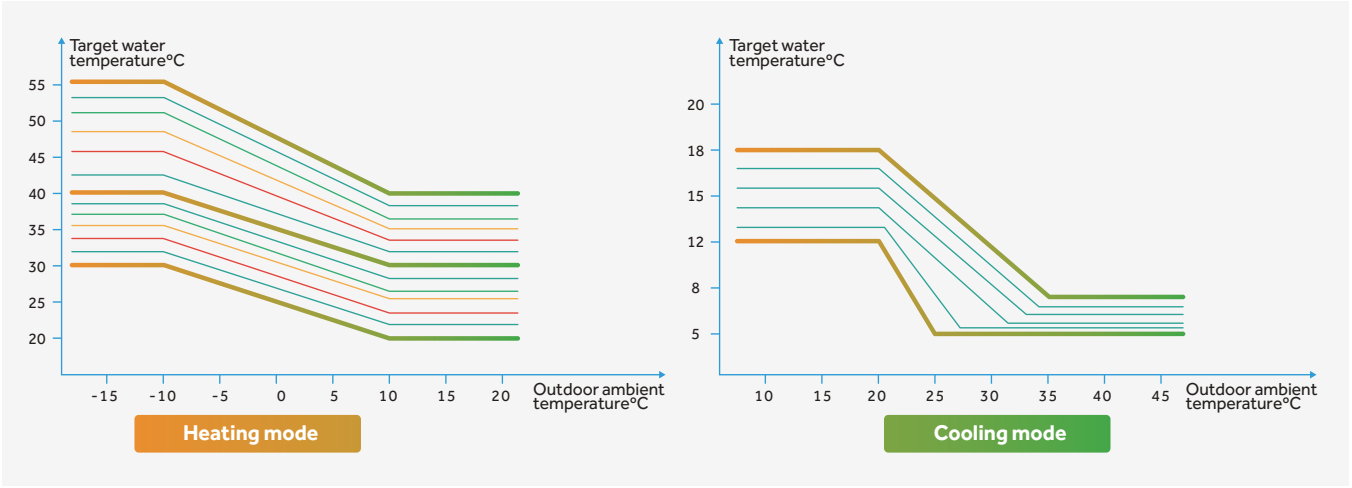
Increase the speed of the compressor to reach the chosen temperature faster.

AUTO MODE R290 R32

In Auto mode, the cooling and heating mode is automatically managed according to the outdoor ambient temperature. There is no need to manually set the heat pump operating mode, which is very convenient for the users.

CLIMATE CURVES / WEATHER COMPENSATION R290 R32

Both heating and cooling water temperatures are optimally configured when considering outdoor temperature, both in comfort and efficiency terms. The Climate curve configuration allows the system to change the outlet water temperature to suit ambient conditions.



STERILISATION R290 ALL-IN-ONE ONLY

Users can directly turn on the sterilisation function, and set the date and time on the controller. The water of the domestic water tank can be automatically heated to 75°C to kill legionnella at fixed periods. During the process of sterilisation, the controller screen will display the icon to remind users that the system is sterilisation mode.

Note: Only when the electric heater in the domestic water tank is controlled by Haier unit.

THE HAIER SUPER AQUA HEAT PUMP RANGE CAN BE CONTROLLED IN A NUMBER OF WAYS:

1 Using return water temperature in either a fixed or weather compensated setting when connected to a buffer.

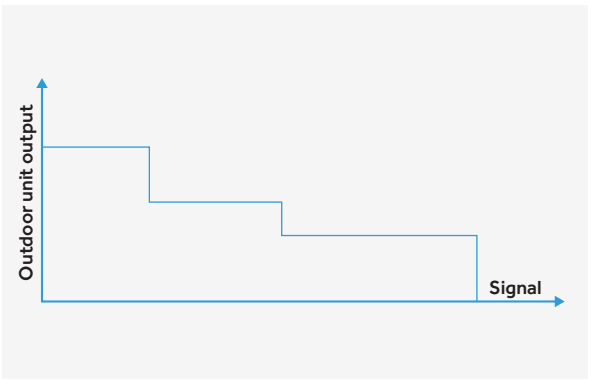
2 Controlled to heat or cool up to 2 zones either at a fixed or weather compensated water temperature using third party room thermostats with a Volt free signal. Note this configuration is not compatible with the HON app.

3 Controlled to heat or cool up to 2 zones either at a fixed or weather compensated water temperature using Haier room thermostats which are compatible with Haier's HON app

INTELLIGENCE

SMART GRID R290 R32

Based on the signal from power grid company, the outdoor unit will adjust the capacity output.

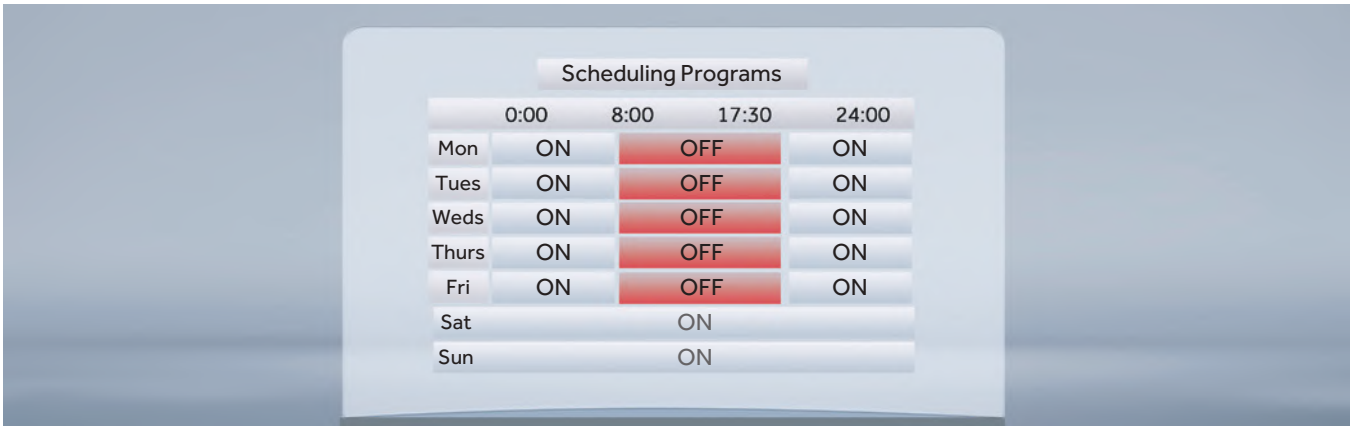


MODBUS R290 R32

The unit integrates the MODBUS RTU communication protocol, it can be connected to 3rd party BMS or BAS directly, no additional Modbus gateway is needed.

SCHEDULING PROGRAMS R290 R32

Users can create scheduled programs, including naming the programs, timer on/off operation, mode selection, leaving temperature setting and the frequency. Once the scheduled program is set, the system will run according the pre-set program automatically.



	0:00	8:00	17:30	24:00
Mon	ON	OFF		ON
Tues	ON	OFF		ON
Weds	ON	OFF		ON
Thurs	ON	OFF		ON
Fri	ON	OFF		ON
Sat	ON			
Sun	ON			

hOn WIFI R290

With Haier's integrated hOn Wi-Fi, you can check the running state of heat pump allowing you to have complete flexibility and control.

DHW TANK SOLAR THERMAL CONTROL R290 R32

Control the solar thermal function of the tank for heating domestic hot water.

AUXILIARY HEATING SOURCE R290 R32

Allows the system to be combined with a third-party boiler and control the boiler.

POOL HEATING R290 R32

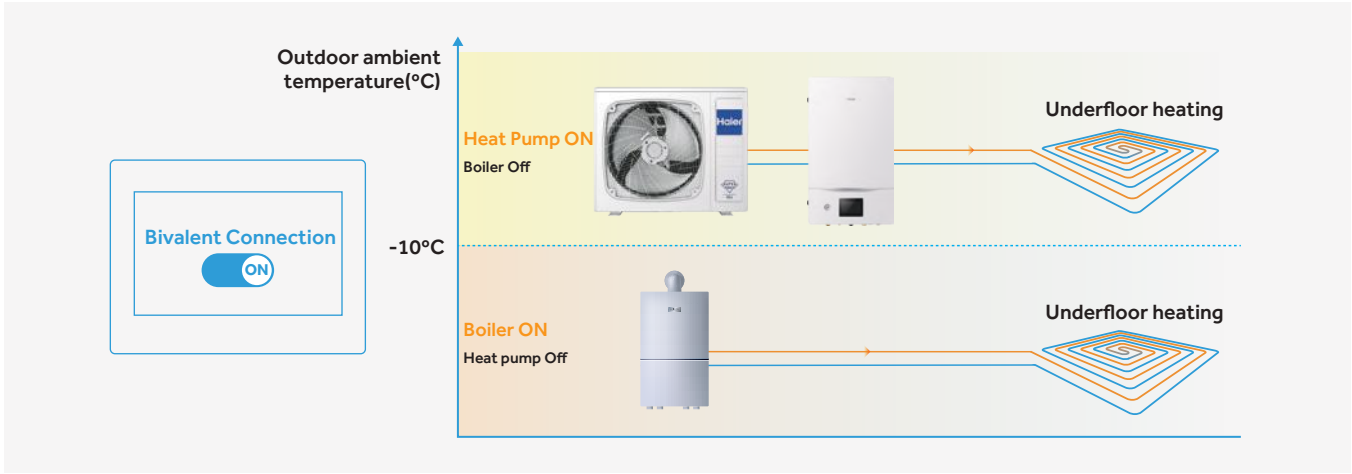
Provides control to manage the temperature of the pool water.

SMART VACATION R290 R32

In smart vacation mode, the heat pump will work at its minimal requirement to save energy and costs while you are away.

BIVALENT CONTROL R290 R32

When the system is combined with a boiler, the 'bivalent connection' can be set by the controller. When bivalent connection is turned on, the heat pump will have full control of all aspects of the system and will run the boiler when required, depending on system design and settings. When bivalent connection is turned off, both boiler and heat pump conduct automatic control.



CASCADE CONTROL R290 R32

Max 8 units & can be combined in one system to suitable for larger capacity demands.


Haier
R290 A2W
HEAT PUMP

Haier

MONOBLOC GT R290

AW042MUGHA
AW062MUGHA
AW082MUGHA
AW102MUGHA

AW10NMUGHA

ATW-A03N
(Must be ordered Seperately)

HW-WA101DBT

Our mono-bloc includes a water pump, expansion vessel , and flow meter all inside the unit.

The monobloc unit has a wiring centre mounted inside the house to make wiring simpler. It connects to the outdoor unit with a 2 core cable.

Product Data			Monobloc 4kW-1Ph	Monobloc 6kW-1Ph	Monobloc 8kW-1Ph	Monobloc 10kW-1Ph	Monobloc 10kW-3Ph
Model			AW042MUGHA	AW062MUGHA	AW082MUGHA	AW102MUGHA	AW10NMUGHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	-	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	-	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range(tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion tank		L	4.5	4.5	4.5	4.5	4.5
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/t	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	0.9/2.7
Net dimension	(HxWxD)	mm	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380
Packing dimension	(HxWxD)	mm	1022 × 1395 × 595	1022 × 1395 × 595	1022 × 1395 × 595	1022 × 1395 × 595	1022 × 1395 × 595
Net/Gross weight		kg	94/127	94/127	106/139	106/139	121/154
Sound Pressure level*(1)		dB(A)	44	47	48	49	49
Sound power level*(1)		dB	55	58	59	60	60
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max. running current		A	13.5	13.5	18.6	18.6	6.2
Recommended circuit breaker		A	16.0	16.0	20.0	20.0	16.0
Accessory	Wired controller	-	HW-WA101DBT				
	PCB Box	-	ATW-A03N (Must be ordered Separatly - Includes HW-WA101DBT)				
	Filter	-	Y-type (Standard)				

R290
A+++/A+++
±80°C Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO Auto Mode
Smart Grid
BMS Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

Note: *(1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017(A7/W35)

MONOBLOC GT R290

AW122MXGHA
AW142MXGHA
AW162MXGHA

AW12NMXGHA
AW14NMXGHA
AW16NMXGHA

ATW-A03N
(Must be ordered Seperately)

HW-WA101DBT

Our mono-bloc includes a water pump, expansion vessel , and flow meter all inside the unit.

The monobloc unit has a wiring centre mounted inside the house to make wiring simpler. It connects to the outdoor unit with a 2 core cable.

Product Data			Monobloc 12kW-1Ph	Monobloc 14kW-1Ph	Monobloc 16kW-1Ph	Monobloc 12kW-3Ph	Monobloc 14kW-3Ph	Monobloc 16kW-3Ph
Model			AW122MXGHA	AW142MXGHA	AW162MXGHA	AW12NMXGHA	AW14NMXGHA	AW16NMXGHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16.00	12.00	14.00	16.00
	Power input	kW	2.35	2.83	3.23	2.35	2.83	3.23
	COP	-	5.10	4.95	4.95	5.10	4.95	4.95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	3.48	4.22	5.08	3.48	4.22	5.08
	COP	-	3.30	3.20	3.05	3.30	3.20	3.05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4.80	4.82	4.80	4.80
	ns	%	190	189	189	190	189	189
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.85	3.83	3.85
	ns	%	151	150	151	151	150	151
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	2.56	3.14	3.88	2.56	3.14	3.88
	EER	-	4.50	4.30	4.00	4.50	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14.00	10.00	12.00	14.00
	Power input	kW	2.99	3.75	4.52	2.99	3.75	4.52
	EER	-	3.35	3.20	3.10	3.35	3.20	3.10
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25
Storage temperature range(tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75	25~75
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion tank		L	8	8	8	8	8	8
Compressor	Quantity	-	1	1	1	1	1	1
	Type	-	DC inverter twin rotary					
Refrigerant	Type	-	R290					
	Charge/CO2 Eq.	kg/t	1.05/3.15	1.05/3.15	1.25/3.75	1.05/3.15	1.05/3.15	1.25/3.75
Net dimension	(HxWxD)	mm	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460
Packing dimension	(HxWxD)	mm	1112 × 1526 × 675	1112 × 1526 × 675	1112 × 1526 × 675	1112 × 1526 × 675	1112 × 1526 × 675	1112 × 1526 × 675
Net/Gross weight		kg	127/165	127/165	136/174	142/180	142/180	151/189
Sound Pressure level*(1)		dB(A)	52	53	55	52	53	55
Sound power level*(1)		dB	63	64	66	63	64	66
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. running current		A	30.6	30.6	34.8	10.2	10.2	11.6
Recommended circuit breaker		A	32.0	32.0	40.0	16.0	16.0	16.0
Accessory	Wired controller	-	HW-WA101DBT					
	PCB Box	-	ATW-A03N (Must be ordered Separatly - Includes HW-WA101DBT)					
	Filter	-	Y-type (Standard)					

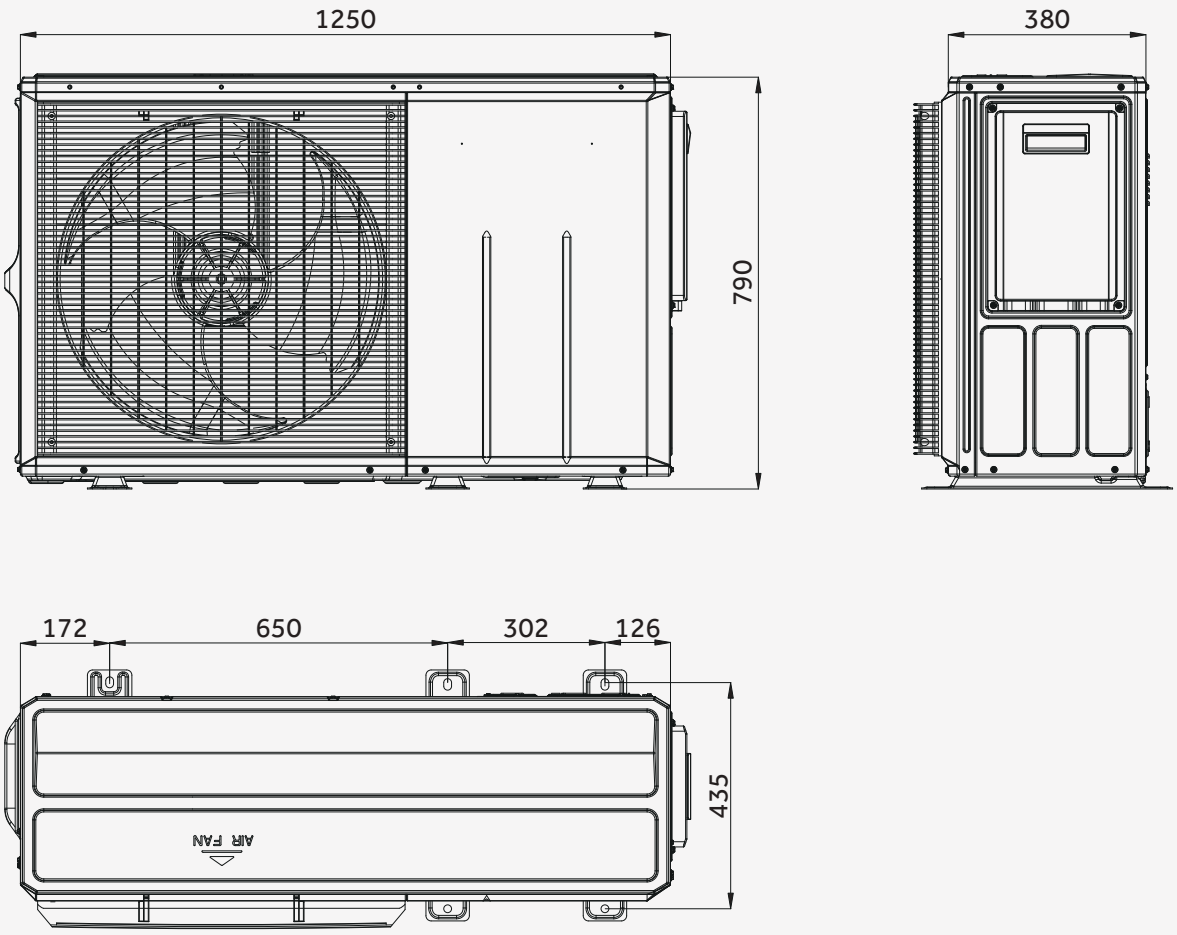
Note: *(1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017(A7/W35)

R290
A+++/A+++
Max. 80°C hot water
Climate Curve
2 Zone Control
Auto Mode
Smart Grid
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

MONOBLOC GT R290

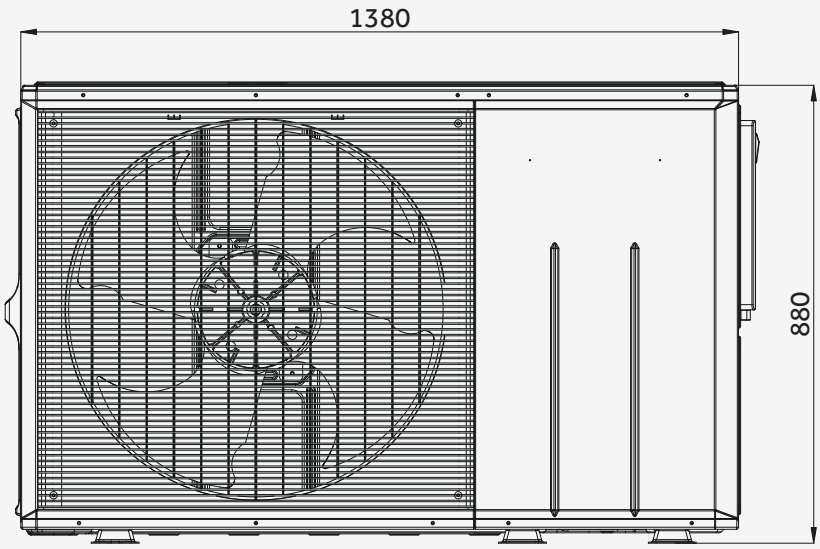
MONO GT
AW042MUGHA
AW062MUGHA
AW082MUGHA
AW102MUGHA

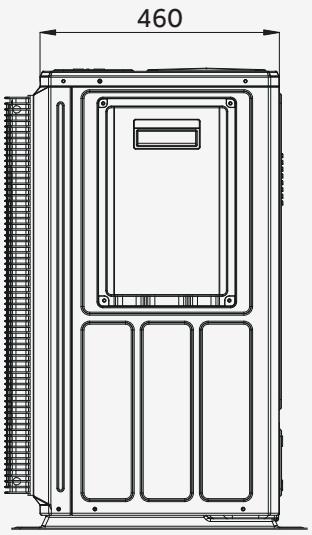
AW10NMUGHA

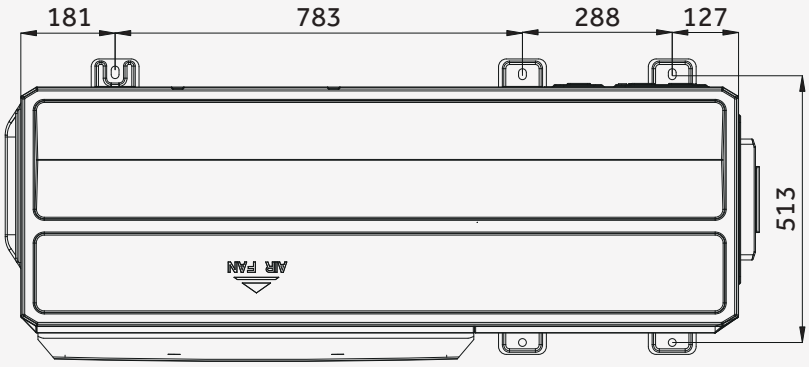


MONOBLOC GT R290

MONO GT
AW122MXGHA
AW142MXGHA
AW162MXGHA
AW12NMXGHA
AW14NMXGHA
AW16NMXGHA







Haier

HYDRO ALL-IN-ONE R290

AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA

AW10NHUGHA

HU102F20AHYA
HU162F20AHYA

HU102F20AHYAE3
HU162F20AHYAE3

Our all in one unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The all in one units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable.

Model			Hydro All in one 4kW-1Ph	Hydro All in one 6kW-1Ph	Hydro All in one 8kW-1Ph	Hydro All in one 10kW-1Ph	Hydro All in one 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	W/W	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	W/W	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Indoor Unit			HU102F20AHYA	HU102F20AHYA	HU102F20AHYA	HU102F20AHYA	HU102F20AHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	14.1	14.1	14.1	14.1	14.1
Recommended circuit breaker		A	20.0	20.0	20.0	20.0	20.0
DHW Tank	Type	-	2205 duplex stainless steel				
	Tank Volume	L	200	200	200	200	200
	Maximum water pressure limit	bar	7	7	7	7	7
	Tank heater	kW	3	3	3	3	3
Delcared load profile		-	L	L	L	L	L
COP*(2)		-	3.37	3.37	3.45	3.45	3.45
Water heating energy efficiency class		-	A+	A+	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
	Capacity	kW	1+2	1+2	1+2	1+2	1+2
	Steps	-	2	2	2	2	2
	Max Running current	A	14.0	14.0	14.0	14.0	5.0
	Recommended circuit breaker	A	20.0	20.0	20.0	20.0	10.0
Sound power level		dB	40	40	40	40	40
Net Dimension	(HxWxD)	mm	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595
Packaging dimension	(HxWxD)	mm	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695
Net / Gross weight		kg	115 / 131	115 / 131	115 / 131	115 / 131	115.5 / 131.5
Outdoor Unit			AW042HUGHA	AW062HUGHA	AW082HUGHA	AW102HUGHA	AW10NHUGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	0.9/2.7
Sound pressure level *(3)		dB(A)	44	47	48	49	49
Sound power level *(3)		dB	55	58	59	60	60
Net Dimension	(HxWxD)	mm	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380
Packaging dimension	(HxWxD)	mm	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550
Net / Gross weight		kg	86/109	86/109	98/121	98/121	113/136
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	13.5	13.5	18.6	18.6	6.2
Recommended ciruit breaker		A	16.0	16.0	20.0	20.0	16.0

R290
R290

A+++/A+++

±80°C
Max. 80°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

*(1)Max running current does not include backup electric heater, which is individually powered on.
*(2)The testing conditions refer to EN16147 average climate
*(3)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)

HYDRO ALL-IN-ONE R290

AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA

HU102F20AHYA
HU162F20AHYA

HU102F20AHYAE3
HU162F20AHYAE3

Our all in one unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The all in one units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable.

Model			Hydro All in one 12kW-1Ph	Hydro All in one 14kW-1Ph	Hydro All in one 16kW-1Ph	Hydro All in one 12kW-3Ph	Hydro All in one 14kW-3Ph	Hydro All in one 16kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16.00	12.00	14.00	16.00
	Power input	kW	2.35	2.83	3.23	2.35	2.83	3.23
	COP	W/W	5.10	4.95	4.95	5.10	4.95	4.95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	3.48	4.22	5.08	3.48	4.22	5.08
	COP	W/W	3.30	3.20	3.05	3.30	3.20	3.05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4.80	4.82	4.80	4.80
	ns	%	190	189	189	190	189	189
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.85	3.83	3.85
	ns	%	151	150	151	151	150	151
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	2.56	3.14	3.88	2.56	3.14	3.88
	EER	-	4.50	4.30	4.00	4.50	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14.00	10.00	12.00	14.00
	Power input	kW	2.99	3.75	4.52	2.99	3.75	4.52
	EER	-	3.35	3.20	3.10	3.35	3.20	3.10
Indoor Unit			HU162F20AHYA	HU162F20AHYA	HU162F20AHYA	HU162F20AHYAE3	HU162F20AHYAE3	HU162F20AHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	15.0	15.0	15.0	15.0	15.0	15.0
Recommended circuit breaker		A	20.0	20.0	20.0	20.0	20.0	20.0
DHW Tank	Type	-	2205 duplex stainless steel					
	Tank Volume	L	200	200	200	200	200	200
	Maximum water pressure limit	bar	7	7	7	7	7	7
	Tank heater	kW	3	3	3	3	3	3
Delcared load profile		-	L	L	L	L	L	L
COP*(2)		-	3.5	3.5	3.5	3.5	3.5	3.5
Water heating energy efficiency class		-	A+	A+	A+	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
	Capacity	kW	2+4	2+4	2+4	2+4	2+4	2+4
	Steps	-	2	2	2	2	2	2
	Max Running current	A	27.5	27.5	27.5	9.5	9.5	9.5
	Recommended circuit breaker	A	40.0	40.0	40.0	16.0	16.0	16.0
Sound power level		dB	42	42	42	42	42	42
Net Dimension	(HxWxD)	mm	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595	1780 × 590 × 595
Packaging dimension	(HxWxD)	mm	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695	2060 × 695 × 695
Net / Gross weight		kg	116.5 / 132.5	116.5 / 132.5	116.5 / 132.5	117 / 133	117 / 133	117 / 133
Outdoor Unit			AW122HVGHA	AW142HVGHA	AW162HVGHA	AW12NHVGHA	AW14NHVGHA	AW16NHVGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1	1
	Type	-	DC inverter twin rotary					
Refrigerant	Type	-	R290					
	Charge/CO2 Eq.	kg/T	1.05/3.15	1.05/3.15	1.25/3.75	1.05/3.15	1.05/3.15	1.25/3.75
Sound pressure level *(3)		dB(A)	52	53	55	52	53	55
Sound power level *(3)		dB	63	64	66	63	64	66
Net Dimension	(HxWxD)	mm	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460
Packaging dimension	(HxWxD)	mm	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630
Net / Gross weight		kg	114/140	114/140	123/149	129/155	129/155	138/164
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	30.6	30.6	34.8	10.2	10.2	11.6
Recommended ciruit breaker		A	32.0	32.0	40.0	16.0	16.0	16.0

R290
A+++/A+++
±80°C Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO Auto Mode
Smart Grid
BMS Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

*(1)Max running current does not include backup electric heater, which is individually powered on.
*(2)The testing conditions refer to EN16147 average climate
*(3)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)

The data in this catalogue is purely indicative as the data may vary. Please be advised to check the accuracy of the data with the supplier before purchasing products.

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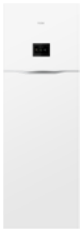
NEW

HYDRO ALL-IN-ONE R290

AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA
AW10NHUGHA



HU102F16AHYA
HU102F16AHYAE3

Our all in one unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The all in one units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable.

Model			Hydro All in one 4kW-1Ph	Hydro All in one 6kW-1Ph	Hydro All in one 8kW-1Ph	Hydro All in one 10kW-1Ph	Hydro All in one 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,00	6.00	8.00	10.00	10,00
	Power input	kW	0,73	1.12	1.50	1.96	1,96
	COP	W/W	5,50	5.35	5.35	5.10	5,10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4,00	6.00	8.00	10.00	10,00
	Power input	kW	1,19	1.82	2.35	3.13	3,13
	COP	W/W	3,35	3.30	3.40	3.20	3,20
Space heating Average climate water outlet 35°C	SCOP	-	5,10	5.10	5.20	5.10	5,10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3,85	3.83	3.85	3.83	3,83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4,00	6.00	7.50	9.50	9,50
	Power input	kW	0,79	1.20	1.58	2.21	2,21
	EER	-	5,05	5.00	4.75	4.30	4,30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3,50	5.00	6.80	8.50	8,50
	Power input	kW	0,95	1.37	1.97	2.62	2,62
	EER	-	3,70	3.65	3.45	3.25	3,25
Indoor Unit			HU102F16AHYA	HU102F16AHYA	HU102F16AHYA	HU102F16AHYA	HU102F16AHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	14,1	14.1	14.1	14.1	14,1
Recommended circuit breaker		A	20,0	20.0	20.0	20.0	20,0
DHW Tank	Type	-	2205 duplex stainless steel				
	Tank Volume	L	160	160	160	160	160
	Maximum water pressure limit	bar	7	7	7	7	7
	Tank heater	kW	3	3	3	3	3
Delcared load profile		-	L	L	L	L	L
COPx(2)		-	3,16	3,16	3,16	3,16	3,16
Water heating energy efficiency class		-	A+	A+	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
	Capacity	kW	1+2	1+2	1+2	1+2	1+2
	Steps	-	2	2	2	2	2
	Max Running current	A	14,0	14,0	14,0	14,0	5,0
	Recommended circuit breaker	A	20,0	20,0	20,0	20,0	10,0
Sound power level		dB	40	40	40	40	40
Net Dimension	(HxWxD)	mm	1580x590x590	1580x590x590	1580x590x590	1580x590x590	1580x590x590
Packaging dimension	(HxWxD)	mm	1860x695x695	1860x695x695	1860x695x695	1860x695x695	1860x695x695
Net / Gross weight		kg	103 / 121	103 / 121	103 / 121	103 / 121	103,5 / 121,5
Outdoor Unit			AW042HUGHA	AW062HUGHA	AW082HUGHA	AW102HUGHA	AW10NHUGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0,8/2,4	0.8/2.4	0.9/2.7	0.9/2.7	0,9/2,7
Sound pressure level *(3)		dB(A)	44	47	48	49	49
Sound power level *(3)		dB	55	58	59	60	60
Net Dimension	(HxWxD)	mm	790x1250x380	790x1250x380	790x1250x380	790x1250x380	790x1250x380
Packaging dimension	(HxWxD)	mm	1022x1395x550	1022x1395x550	1022x1395x550	1022x1395x550	1022x1395x550
Net / Gross weight		kg	82/106	82/106	91/115	91/115	101/125
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	13,5	13.5	18.6	18.6	6.2
Recommended ciruit breaker		A	16,0	16,0	20,0	20,0	16,0

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R290
R290

A+++/A+++

±80°C
Max. 80°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

NEW

HYDRO ALL-IN-ONE R290

AW042HUGHA
AW062HUGHA
AW082HUGHA
AW162HVGHA
AW102HUGHA

HU102F24AHYA
HU162F24AHYA
HU102F24AHYAE3

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The all in one units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable.

Model			Hydro All in one 4kW-1Ph	Hydro All in one 6kW-1Ph	Hydro All in one 8kW-1Ph	Hydro All in one 10kW-1Ph	Hydro All in one 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	W/W	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	W/W	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Indoor Unit			HU102F24AHYA	HU102F24AHYA	HU162F24AHYA	HU162F24AHYA	HU102F24AHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	14.1	14.1	14.1	14.1	14.1
Recommended circuit breaker		A	20.0	20.0	20.0	20.0	20.0
DHW Tank	Type	-	2205 duplex stainless steel				
	Tank Volume	L	240	240	240	240	240
	Maximum water pressure limit	bar	7	7	7	7	7
	Tank heater	kW	3	3	3	3	3
Delcared load profile		-	XL	XL	XL	XL	XL
COPx(2)		-	3.17	3.17	3.17	3.17	3.13
Water heating energy efficiency class		-	A+	A+	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Capacity	kW	1+2	1+2	1+2	1+2	2+4
	Steps	-	2	2	2	2	2
	Max Running current	A	14.0	14.0	14.0	14.0	27.5
	Recommended circuit breaker	A	20.0	20.0	20.0	20.0	40.0
Sound power level		dB	40	40	40	40	42
Net Dimension	(HxWxD)	mm	1985x590x590	1985x590x590	1985x590x590	1985x590x590	1985x590x590
Packaging dimension	(HxWxD)	mm	2265x695x695	2265x695x695	2265x695x695	2265x695x695	2265x695x695
Net / Gross weight		kg	120.5 / 139.5	120.5 / 139.5	120.5 / 139.5	120.5 / 139.5	122 /141
Outdoor Unit			AW042HUGHA	AW062HUGHA	AW082HUGHA	AW102HUGHA	AW10NHUGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	1.05/3.15
Sound pressure level *(3)		dB(A)	44	47	48	49	52
Sound power level *(3)		dB	55	58	59	60	63
Net Dimension	(HxWxD)	mm	790*1250*380	790*1250*380	790*1250*380	790*1250*380	880*1250*460
Packaging dimension	(HxWxD)	mm	1022*1395*550	1022*1395*550	1022*1395*550	1022*1395*550	1112*1396*630
Net / Gross weight		kg	82/106	82/106	91/115	91/115	111/138
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max running current		A	13.5	13.5	18.6	18.6	30.6
Recommended ciruit breaker		A	16.0	16.0	20.0	20.0	32.0

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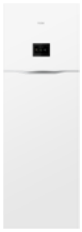
R290
A+++/A+++
±80°c
Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO
Auto Mode
Smart Grid
BMS
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

Haier

NEW

HYDRO ALL-IN-ONE R290

AW122HVGHA
AW142HVGHA
AW162HVGHA



HU162F24AHYA

Our all in one unit has the expansion vessel , flow switch and water pump inside the all in one unit.

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Model			Hydro All in one 12kW-1Ph	Hydro All in one 14kW-1Ph	Hydro All in one 16kW-1Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14,00	16,00
	Power input	kW	2.35	2,83	3,23
	COP	W/W	5.10	4,95	4,95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13,50	15,50
	Power input	kW	3.48	4,22	5,08
	COP	W/W	3.30	3,20	3,05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4,80	4,80
	ns	%	190	189	189
	Energy class	-	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3,83	3,85
	ns	%	151	150	151
	Energy class	-	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13,50	15,50
	Power input	kW	2.56	3,14	3,88
	EER	-	4.50	4,30	4,00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12,00	14,00
	Power input	kW	2.99	3,75	4,52
	EER	-	3.35	3,20	3,10
Indoor Unit			**HU162F24AHYA**	**HU162F24AHYA**	**HU162F24AHYA**
Leaving water temperature range	Heating	°C	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	14,1	15,0	15,0
Recommended circuit breaker		A	20,0	20,0	20,0
DHW Tank	Type	-	2205 duplex stainless steel		
	Tank Volume	L	240	240	240
	Maximum water pressure limit	bar	7	7	7
	Tank heater	kW	3	3	3
Delcared load profile		-	XL	XL	XL
COPx(2)		-	3,17	3,13	3,13
Water heating energy efficiency class		-	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Capacity	kW	1+2	2+4	2+4
	Steps	-	2	2	2
	Max Running current	A	14,0	27,5	27,5
	Recommended circuit breaker	A	20,0	40,0	40,0
Sound power level		dB	40	42	42
Net Dimension	(HxWxD)	mm	1985x590x590	1985x590x590	1985x590x590
Packaging dimension	(HxWxD)	mm	2265x695x695	2265x695x695	2265x695x695
Net / Gross weight		kg	120,5 / 139,5	122 /141	122 /141
Outdoor Unit			**AW122HVGHA**	**AW142HVGHA**	**AW162HVGHA**
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1
	Type	-	DC inverter twin rotary		
Refrigerant	Type	-	R290		
	Charge/CO2 Eq.	kg/T	1.05/3.15	1,05/3,15	1,25/3,75
Sound pressure level *(3)		dB(A)	52	53	55
Sound power level *(3)		dB	63	64	66
Net Dimension	(HxWxD)	mm	880x1250x460	880x1250x460	880x1250x460
Packaging dimension	(HxWxD)	mm	1112x1396x630	1112x1396x630	1112x1396x630
Net / Gross weight		kg	111/138	111/138	115/142
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Max running current		A	30.6	30,6	34,8
Recommended ciruit breaker		A	32.0	32,0	40,0

R290
A+++/A+++
±80°C
Max. 80°C hot water
Climate Curve
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Pool Heating
Anti-freezing

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NEW

HYDRO ALL-IN-ONE R290

AW042HUGHA
AW142HVGHA
AW162HVGHA
AW16NHVGHA

HU102F24AHYA
HU102F24AHYAE
HU162F24AHYA
HU162F24AHYAE3

Our all in one unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The all in one units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable.

Model			Hydro All in one 12kW-3Ph	Hydro All in one 14kW-3Ph	Hydro All in one 16kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16,00
	Power input	kW	2.35	2.83	3,23
	COP	W/W	5.10	4.95	4,95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15,50
	Power input	kW	3.48	4.22	5,08
	COP	W/W	3.30	3.20	3,05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4,80
	ns	%	190	189	189
	Energy class	-	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3,85
	ns	%	151	150	151
	Energy class	-	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15,50
	Power input	kW	2.56	3.14	3,88
	EER	-	4.50	4.30	4,00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14,00
	Power input	kW	2.99	3.75	4,52
	EER	-	3.35	3.20	3,10
Indoor Unit			**HU162F24AHYAE3**	**HU162F24AHYAE3**	**HU162F24AHYAE3**
Leaving water temperature range	Heating	°C	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet (except for DHW)	inch	R 1/R 1	R 1/R 1	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4	R 3/4	R 3/4
Expansion Tank		L	8	8	8
Primary circuit	Pressure relief valve	bar	3	3	3
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Max running current*(1)		A	15.0	15.0	15,0
Recommended circuit breaker		A	20.0	20.0	20,0
DHW Tank	Type	-	2205 duplex stainless steel		
	Tank Volume	L	240	240	240
	Maximum water pressure limit	bar	7	7	7
	Tank heater	kW	3	3	6
Delcared load profile		-	XL	XL	XL
COPx(2)		-	3,13	3,13	3,13
Water heating energy efficiency class		-	A+	A+	A+
Backup electric heater	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50
	Capacity	kW	2+4	2+4	2+4
	Steps	-	2	2	2
	Max Running current	A	27,5	27,5	9,5
	Recommended circuit breaker	A	40,0	40,0	16,0
Sound power level		dB	42	42	42
Net Dimension	(HxWxD)	mm	1985x590x590	1985x590x590	1985x590x590
Packaging dimension	(HxWxD)	mm	2265x695x695	2265x695x695	2265x695x695
Net / Gross weight		kg	122 /141	122 /141	122,5 /141,5
Outdoor Unit			**AW12NHVGHA**	**AW14NHVGHA**	**AW16NHVGHA**
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1
	Type	-	DC inverter twin rotary		
Refrigerant	Type	-	R290		
	Charge/CO2 Eq.	kg/T	1.05/3.15	1.05/3.15	1.25/3.75
Sound pressure level *(3)		dB(A)	52	53	55
Sound power level *(3)		dB	63	64	66
Net Dimension	(HxWxD)	mm	880x1250x460	880x1250x460	880x1250x460
Packaging dimension	(HxWxD)	mm	1112x1396x630	1112x1396x630	1112x1396x630
Net / Gross weight		kg	132/159	132/159	136/163
Power supply		V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	10.2	10.2	11.6
Recommended ciruit breaker		A	16.0	16.0	16.0

*(1)Max running current does not include backup electric heater, which is individually powered on.
*(2)The testing conditions refer to EN16147 average climate
*(3)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)

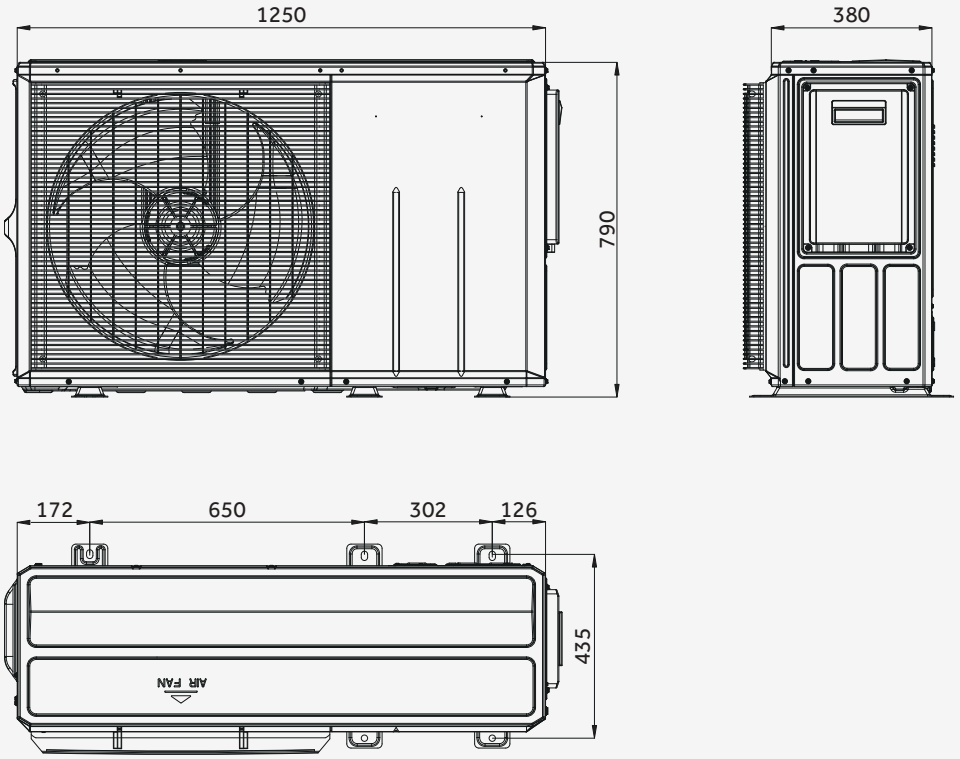
The data in this catalogue is purely indicative as the data may vary. Please be advised to check the accuracy of the data with the supplier before purchasing products.

R290 R290
A+++/A+++
±80°C Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO Auto Mode
Smart Grid
BMS Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

HYDRO ALL-IN-ONE R290

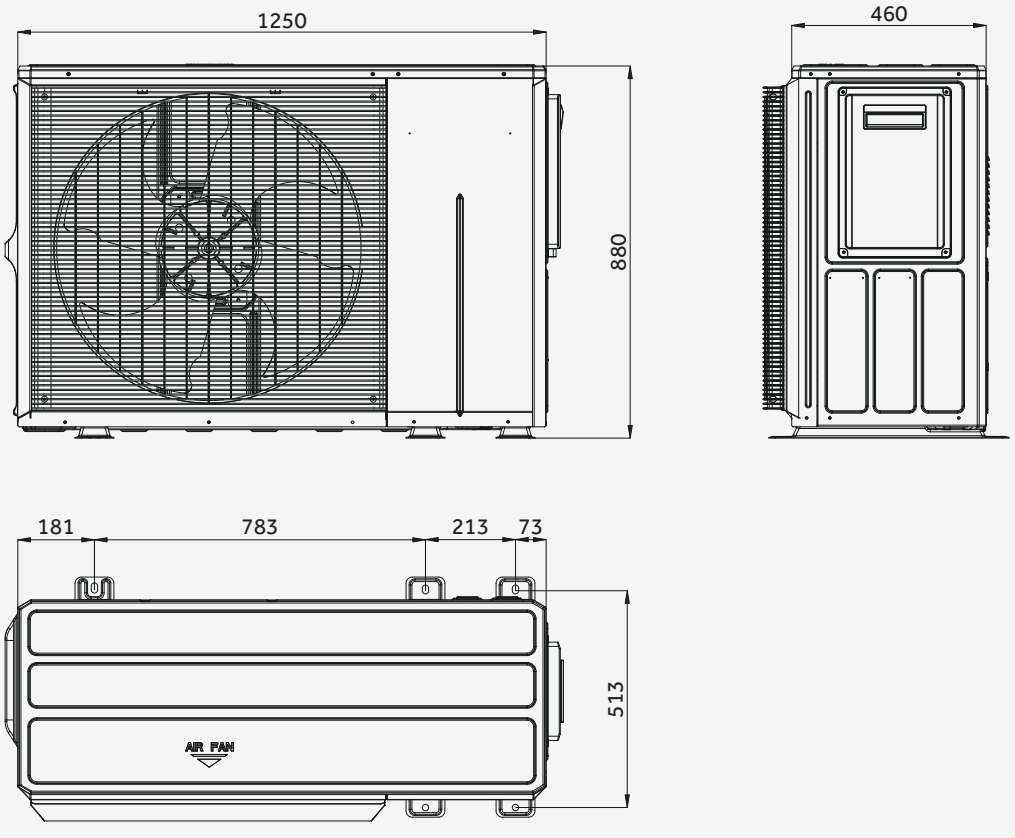
HYDRO ALL-IN-ONE
AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA

AW10NHUGHA



HYDRO ALL-IN-ONE
AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA

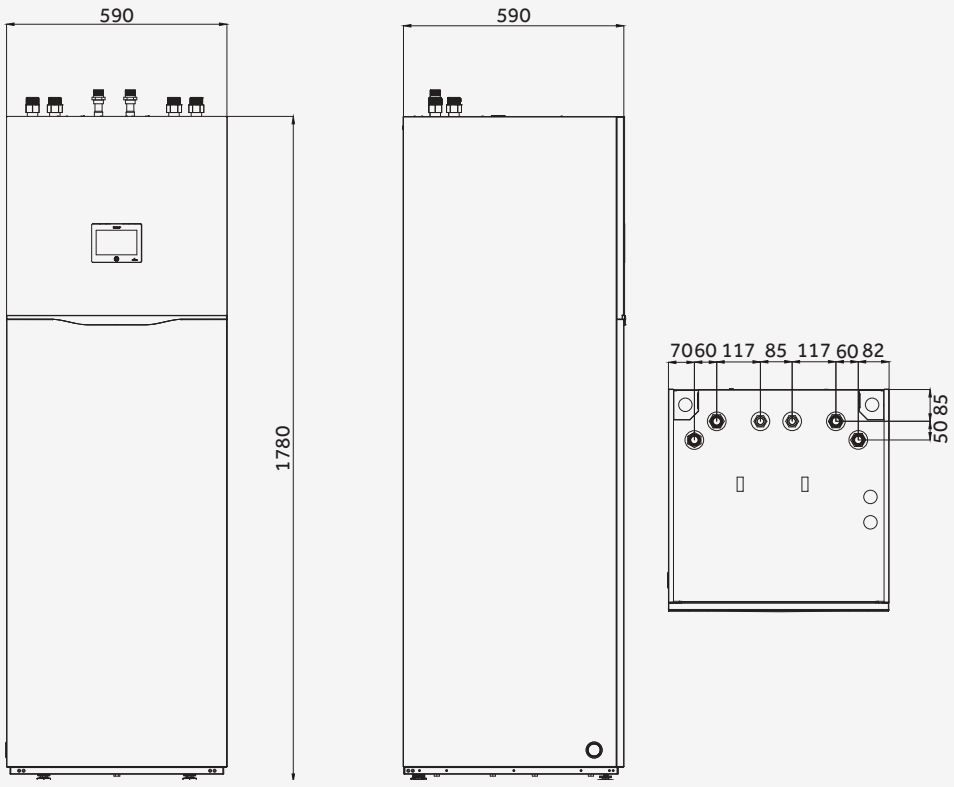


HYDRO ALL-IN-ONE R290 & SPLIT R290

HYDRO ALL-IN-ONE
HU102F20AHYA
HU162F20AHYA

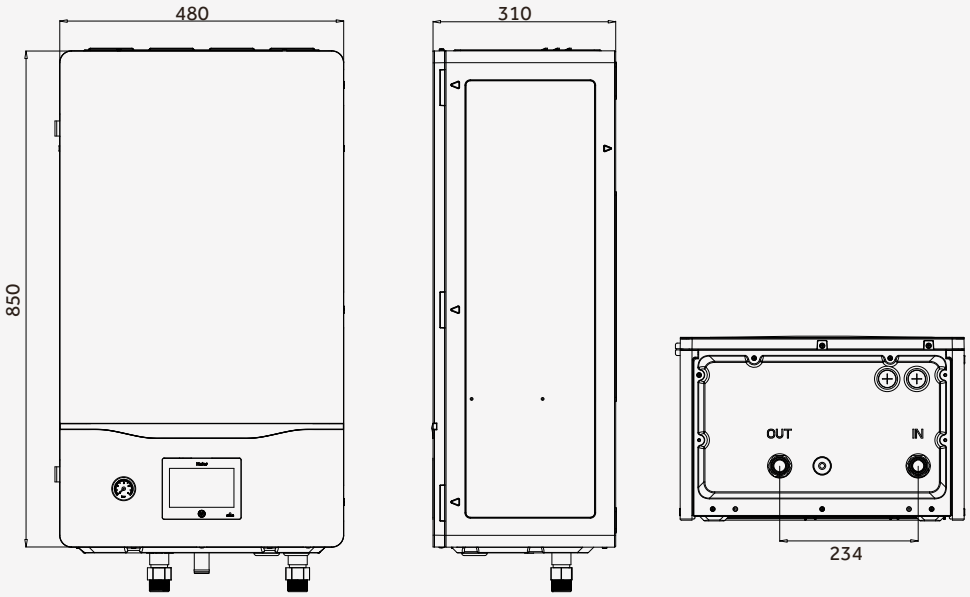
HU102F20AHYAE3
HU162F20AHYAE3

Only the height changes:
160Litre = 1580mm
200 Litre = 1780mm
240 Litre = 1985mm



HYDRO SPLIT
HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3



Haier

HYDRO SPLIT R290

AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA

AW10NHUGHA

HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3

Our hydro split indoor unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The Hydro Split units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable

Product Data			Hydro Split 4kW-1Ph	Hydro Split 6kW-1Ph	Hydro Split 8kW-1Ph	Hydro Split 10kW-1Ph	Hydro Split 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	W/W	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	W/W	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Indoor Unit			HU102WAHYA	HU102WAHYA	HU102WAHYA	HU102WAHYA	HU10NWAHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion Tank		L	8	8	8	8	8
Backup eletric heater	Capacity	kW	1+2	1+2	1+2	1+2	1+2
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	14.1	14.1	14.1	14.1	5.0
Recommended circuit breaker		A	20.0	20.0	20.0	20.0	10.0
Sound power level		dB	40	40	40	40	40
Net Dimension	(HxWxD)	mm	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310
Packaging dimension	(HxWxD)	mm	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460
Net / Gross weight	HU1*2WAHYA**	kg	35.5 / 49	35.5 / 49	35.5 / 49	35.5 / 49	36 / 49.5
	HU1*2WAHYB**	kg	32.5/46	32.5/46	32.5/46	32.5/46	/
Outdoor Unit			AW042HUGHA	AW062HUGHA	AW082HUGHA	AW102HUGHA	AW10NHUGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	0.9/2.7
Sound pressure level *(1)		dB(A)	44	47	48	49	49
Sound power level *(1)		dB	55	58	59	60	60
Net Dimension	(HxWxD)	mm	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380
Packaging dimension	(HxWxD)	mm	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550
Net / Gross weight		kg	86/109	86/109	98/121	98/121	113/136
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	13.5	13.5	18.6	18.6	6.2
Recommended ciruit breaker		A	16.0	16.0	20.0	20.0	16.0

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
* HU1*2WAHYA** stands for the unit without 3-way valve, with expansion tank
* HU1*2WAHYB** stands for the unit with 3-way valve, without expansion tank

R290
R290

A+++/A+++

±80°C
Max. 80°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

HYDRO SPLIT R290

AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA

HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3

Our hydro split indoor unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The Hydro Split have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable

Product Data			Hydro Split 12kW-1Ph	Hydro Split 14kW-1Ph	Hydro Split 16kW-1Ph	Hydro Split 12kW-3Ph	Hydro Split 14kW-3Ph	Hydro Split 16kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16.00	12.00	14.00	16.00
	Power input	kW	2.35	2.83	3.23	2.35	2.83	3.23
	COP	W/W	5.10	4.95	4.95	5.10	4.95	4.95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	3.48	4.22	5.08	3.48	4.22	5.08
	COP	W/W	3.30	3.20	3.05	3.30	3.20	3.05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4.80	4.82	4.80	4.80
	ns	%	190	189	189	190	189	189
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.85	3.83	3.85
	ns	%	151	150	151	151	150	151
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	2.56	3.14	3.88	2.56	3.14	3.88
	EER	-	4.50	4.30	4.00	4.50	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14.00	10.00	12.00	14.00
	Power input	kW	2.99	3.75	4.52	2.99	3.75	4.52
	EER	-	3.35	3.20	3.10	3.35	3.20	3.10
Indoor Unit			HU162WAHYA	HU162WAHYA	HU162WAHYA	HU16NWAHYAE3	HU16NWAHYAE3	HU16NWAHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion Tank		L	8	8	8	8	8	8
Backup eletric heater	Capacity	kW	2+4	2+4	2+4	2+4	2+4	2+4
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	28.2	28.2	28.2	9.5	9.5	9.5
Recommended circuit breaker		A	40.0	40.0	40.0	16.0	16.0	16.0
Sound power level		dB	42	42	42	42	42	42
Net Dimension	HxWxD	mm	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310
Packaging dimension	HxWxD	mm	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460
Net / Gross weight	HU1*2WAHYA**	kg	37 / 50.5	37 / 50.5	37 / 50.5	37.5 / 51	37.5 / 51	37.5 / 51
	HU1*2WAHYB**	kg	34/47.5	34/47.5	34/47.5	34.5/48	34.5/48	34.5/48
Outdoor Unit			AW122HVGHA	AW142HVGHA	AW162HVGHA	AW12NHVGHA	AW14NHVGHA	AW16NHVGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1	1
	Type	-	DC inverter twin rotary					
Refrigerant	Type	-	R290					
	Charge/CO2 Eq.	kg/T	1.05/3.15	1.05/3.15	1.25/3.75	1.05/3.15	1.05/3.15	1.25/3.75
Sound pressure level *(1)		dB(A)	52	53	55	52	53	55
Sound power level *(1)		dB	63	64	66	63	64	66
Net Dimension	HxWxD	mm	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460
Packaging dimension	HxWxD	mm	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630
Net / Gross weight		kg	114/140	114/140	123/149	129/155	129/155	138/164
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	30.6	30.6	34.8	10.2	10.2	11.6
Recommended ciruit breaker		A	32.0	32.0	40.0	16.0	16.0	16.0

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
* HU1*2WAHYA** stands for the unit without 3-way valve, with expansion tank
* HU1*2WAHYB** stands for the unit with 3-way valve, without expansion tank

R290
A+++/A+++
±80°C
Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO
Auto Mode
Smart Grid
BMS
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

Haier

HYDRO SPLIT: Build it yourself R290

AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA

AW10NHUGHA

ATW-A03N
(standard)

HW-WA101DBT
(standard)

If you want to build your own system, or want to build a pre -plumbed cylinder we offer a build it yourself system. This uses the hydro split outdoor unit.

You then need he build it yourself kit **ATW-E02N** which comprises the flow switch and the wiring centre **ATW-A03N**

The installer needs to supply a water pump and expanison vessel for the system.

Product Data			Hydro Split 4kW-1Ph	Hydro Split 6kW-1Ph	Hydro Split 8kW-1Ph	Hydro Split 10kW-1Ph	Hydro Split 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	W/W	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	W/W	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Outdoor Unit			**AW042HUGHA**	**AW062HUGHA**	**AW082HUGHA**	**AW102HUGHA**	**AW10NHUGHA**
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	0.9/2.7
Sound pressure level *(1)		dB(A)	44	47	48	49	49
Sound power level *(1)		dB	55	58	59	60	60
Net Dimension	(HxWxD)	mm	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380
Packaging dimension	(HxWxD)	mm	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550
Net / Gross weight		kg	86/109	86/109	98/121	98/121	113/136
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	13.5	13.5	18.6	18.6	6.2
Recommended ciruit breaker		A	16.0	16.0	20.0	20.0	16.0

R290
R290

A+++/A+++

±80°C
Max. 80°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
* HU1*2WAHYA** stands for the unit without 3-way valve, with expansion tank
* HU1*2WAHYB** stands for the unit with 3-way valve, without expansion tank

HYDRO SPLIT: Build it yourself R290

AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA

ATW-A03N
(standard)

HW-WA101DBT
(standard)

If you want to build your own system, or want to build a pre -plumbed cylinder we offer a build it yourself system. This uses the hydro split outdoor unit.

You then need he build it yourself kit **ATW-E02N** which comprises the flow switch and the wiring centre **ATW-A03N**

The installer needs to supply a water pump and expanison vessel for the system.

Product Data			Hydro Split 12kW-1Ph	Hydro Split 14kW-1Ph	Hydro Split 16kW-1Ph	Hydro Split 12kW-3Ph	Hydro Split 14kW-3Ph	Hydro Split 16kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16.00	12.00	14.00	16.00
	Power input	kW	2.35	2.83	3.23	2.35	2.83	3.23
	COP	W/W	5.10	4.95	4.95	5.10	4.95	4.95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	3.48	4.22	5.08	3.48	4.22	5.08
	COP	W/W	3.30	3.20	3.05	3.30	3.20	3.05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4.80	4.82	4.80	4.80
	ns	%	190	189	189	190	189	189
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.85	3.83	3.85
	ns	%	151	150	151	151	150	151
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	2.56	3.14	3.88	2.56	3.14	3.88
	EER	-	4.50	4.30	4.00	4.50	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14.00	10.00	12.00	14.00
	Power input	kW	2.99	3.75	4.52	2.99	3.75	4.52
	EER	-	3.35	3.20	3.10	3.35	3.20	3.10
Outdoor Unit			**AW122HVGHA**	**AW142HVGHA**	**AW162HVGHA**	**AW12NHVGHA**	**AW14NHVGHA**	**AW16NHVGHA**
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1	1
	Type	-	DC inverter twin rotary					
Refrigerant	Type	-	R290					
	Charge/CO2 Eq.	kg/T	1.05/3.15	1.05/3.15	1.25/3.75	1.05/3.15	1.05/3.15	1.25/3.75
Sound pressure level *(1)		dB(A)	52	53	55	52	53	55
Sound power level *(1)		dB	63	64	66	63	64	66
Net Dimension	HxWxD	mm	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460
Packaging dimension	HxWxD	mm	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630
Net / Gross weight		kg	114/140	114/140	123/149	129/155	129/155	138/164
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	30.6	30.6	34.8	10.2	10.2	11.6
Recommended ciruit breaker		A	32.0	32.0	40.0	16.0	16.0	16.0

R290
A+++/A+++
±80°C
Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO
Auto Mode
Smart Grid
BMS
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
* HU1*2WAHYA** stands for the unit without 3-way valve, with expansion tank
* HU1*2WAHYB** stands for the unit with 3-way valve, without expansion tank

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R32 A2W HEAT PUMP

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MONOBLOC HE R32

AW052MUCHA
AW072MUCHA
AW092MUCHA

AW112MXCHA

ATW-A02
(optional)

HW-WA101DBT
(standard)

Model			AW052MUCHA	AW072MUCHA	AW092MUCHA	AW112MXCHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	5.00	7.00	9.00	11.00
	Power input	kW	0.99	1.40	1.84	2.24
	COP	-	5.06	5.00	4.90	4.90
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	5.00	7.00	8.50	10.50
	Power input	kW	1.69	2.41	3.09	3.50
	COP	-	2.95	2.90	2.75	3.00
Space heating Average climate water outlet 35°C	SCOP	-	4.97	4.95	4.95	4.70
	ns	%	196	195	195	185
	Energy class	-	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.52	3.38	3.34	3.40
	ns	%	138	132	131	133
	Energy class	-	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00
	Power input	kW	1.02	1.44	1.86	2.27
	EER	-	4.90	4.85	4.30	4.40
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00
	Power input	kW	1.56	2.19	2.76	3.23
	EER	-	3.20	3.20	2.90	3.10
Outdoor operating temperature range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	Cooling	°C	10~48	10~48	10~48	10~48
Leaving water temperature range	Heating	°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
	Cooling	°C	5~25	5~25	5~25	5~25
Water flow rate		L/min	14.3	20.1	25.8	31.5
Water piping connection	inlet/outlet	inch	R 1	R 1	R 1	R 1
Compressor	Quantity	-	1	1	1	1
	Type	-	DC inverter twin rotar			
Refrigerant	Type	-	R32			
	Charge/CO2 Eq.	kg/t	1.3/0.88	1.3/0.88	1.4/0.95	1.8/1.22
Net dimension	(WxHxD)	mm	790×1250×380	790×1250×380	790×1250×380	880×1380×460
Packing dimension	(WxHxD)	mm	1022x1395x550	1022x1395x550	1022x1395x550	1112x1526x630
Net/Gross weight		kg	81/109	81/109	85/113	108/148
Sound power level		dB	60	61	62	63
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max. running current		A	12	12	16	20
Recommended circuit breaker		A	16	16	20	25
Accessory	Wired controller	-	HW-WA101DBT (standard)			
	PCB Box	-	ATW-A02 (Optional)			
	Filter	-	Standard			

Note: 1.According to EN14511, EN14825 (EU) and No 811/2013(EU).
2. LWT: Leaving water temperature; OAT: Outdoor air temperature.
3. Sound level values are measured at a semi-anechoic room. And the sound power level values are based on measurement of EN2102-1 under conditions of EN14825.
4. PCB box is needed when using solar thermal function and pool heating function.
5. The above data may be changed without notice for future improvement on quality and performance.

R32

A+++/A++

±60°C
Max. 60°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

MONOBLOC HE R32

AW142(N)MXCHA
AW162(N)MXCHA
AW11NMXCHA
AW14NMXCHA
AW16NMXCHA

ATW-A02
(optional)

HW-WA101DBT
(standard)

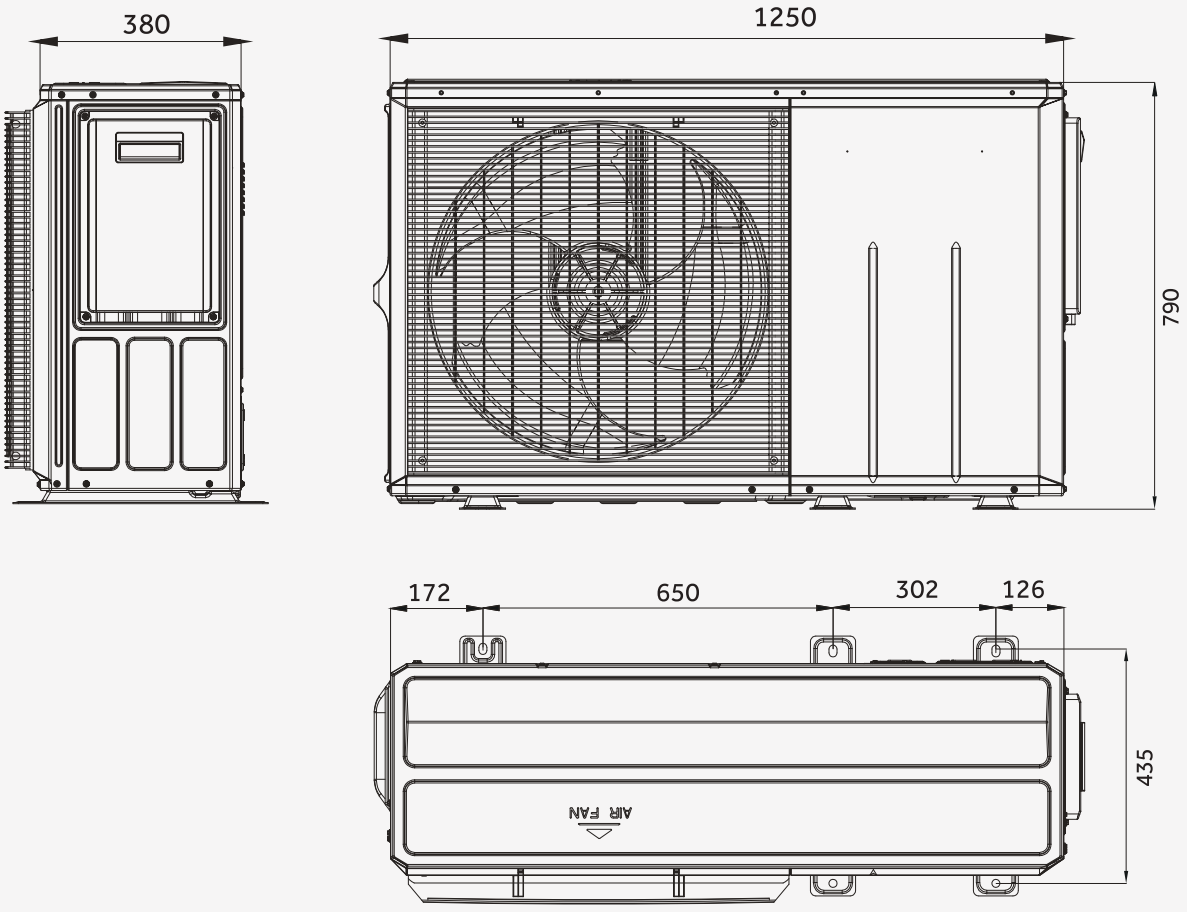
Model			AW142MXCHA	AW162MXCHA	AW11NMXCHA	AW14NMXCHA	AW16NMXCHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	14.00	16.00	11.00	14.00	16.00
	Power input	kW	2.95	3.53	2.24	2.95	3.53
	COP	-	4.75	4.53	4.90	4.75	4.53
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	13.50	15.20	10.50	13.50	15.20
	Power input	kW	4.82	5.53	3.33	4.82	5.53
	COP	-	2.80	2.75	3.00	2.80	2.75
Space heating Average climate water outlet 35°C	SCOP	-	4.65	4.55	4.70	4.65	4.55
	ns	%	183	179	185	183	179
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.45	3.40	3.40	3.45	3.40
	ns	%	135	133	133	135	133
	Energy class	-	A++	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	13.50	15.20	10.00	13.50	15.20
	Power input	kW	3.14	3.80	2.27	3.14	3.80
	EER	-	4.30	4.00	4.40	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	12.00	14.00	10.00	12.00	14.00
	Power input	kW	4.21	5.28	3.23	4.21	5.28
	EER	-	2.85	2.65	3.10	2.85	2.65
Outdoor operating temperature range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	Cooling	°C	10~48	10~48	10~48	10~48	10~48
Leaving water temperature range	Heating	°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Water flow rate		L/min	40.1	45.9	31.5	40.1	45.9
Water piping connection	inlet/outlet	inch	R 1	R 1	R 1	R 1	R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotar				
Refrigerant	Type	-	R32				
	Charge/CO2 Eq.	kg/t	2.5/1.6	2.5/1.69	1.8/1.22	2.5/1.69	2.5/1.69
Net dimension	(WxHxD)	mm	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460
Packing dimension	(WxHxD)	mm	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630
Net/Gross weight		kg	117/157	117/157	108/148	117/157	117/157
Sound power level		dB	65	65	63	65	65
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. running current		A	32	32	10	12	12
Recommended circuit breaker		A	40	40	16	16	16
Accessory	Wired controller	-	HW-WA101DBT (standard)				
	PCB Box	-	ATW-A02 (Optional)				
	Filter	-	Standard				

Note: 1.According to EN14511, EN14825 (EU) and No 811/2013(EU).
2. LWT: Leaving water temperature; OAT: Outdoor air temperature.
3. Sound level values are measured at a semi-anechoic room. And the sound power level values are based on measurement of EN2102-1 under conditions of EN14825.
4. PCB box is needed when using solar thermal function and pool heating function.
5. The above data may be changed without notice for future improvement on quality and performance.

R32
A+++/A++
±60°C
Max. 60°C hot water
Climate Curve
2 Zone Control
AUTO
Auto Mode
Smart Grid
BMS
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

MONOBLOC HE R32

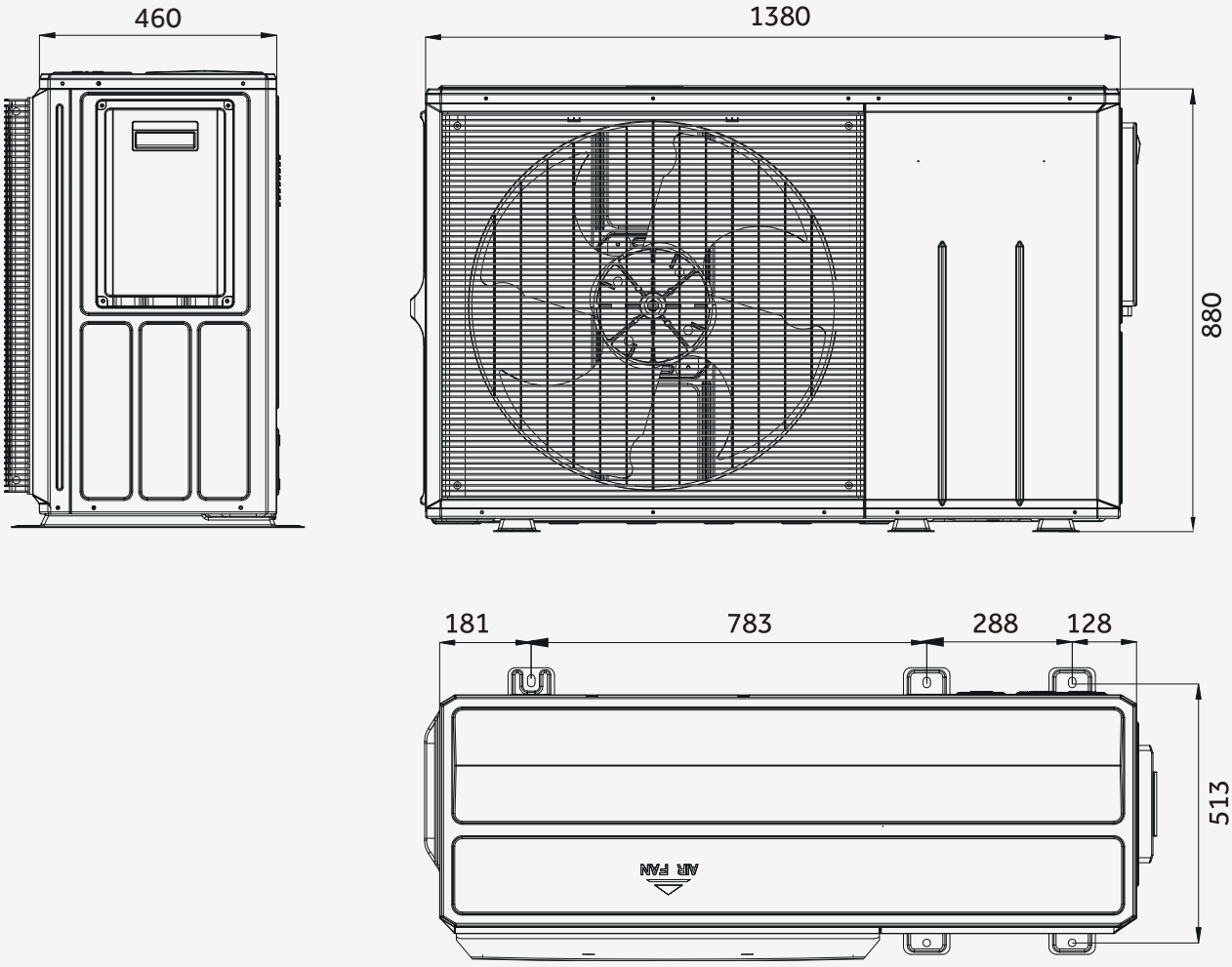
MONO HE
AW052MUCHA
AW072MUCHA
AW092MUCHA



MONOBLOC HE R32

MONO HE
AW112MXCHA
AW142(N)MXCHA
AW162(N)MXCHA

AW11NMXCHA
AW14NMXCHA
AW16NMXCHA



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SPLIT HE R32

AW042SSCHA
AW062SSCHA

AW082SNCHA
AW102SNCHA

HU062WAMNA
HU102WAMNA

ATW-A02
(optional)

HW-WA101DBT
(optional)

Product Data			Super Aqua S 4	Super Aqua S 6	Super Aqua S 8	Super Aqua S 10
Heating (LWT 35 °C / OAT 7 °C)	Capacity	kW	4.00	6.00	8.00	10.00
	Power Input	kW	0.80	1.20	1.60	2.17
	COP	W/W	5.02	4.98	5.00	4.60
Heating (LWT 55 °C / OAT 7 °C)	Capacity	kW	4.00	6.00	8.00	10.00
	Power Input	kW	1.49	2.18	2.82	3.66
	COP	W/W	2.69	2.75	2.84	2.73
Space heating Average climate water outlet 35°C	SCOP	-	5.00	4.80	4.90	4.85
	ns	%	197	189	193	191
	Energy class	-	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.45	3.38	3.32	3.30
	ns	%	135	132	130	129
	Energy class	-	A++	A++	A++	A++
Cooling (LWT 18 °C / OAT 35 °C)	Capacity	kW	4.00	6.00	8.00	10.00
	Power Input	kW	0.85	1.26	1.9	2.50
	EER	W/W	4.70	4.75	4.20	4.00
Cooling (LWT 7 °C / OAT 35 °C)	Capacity	kW	4.00	6.00	8.00	9.00
	Power Input	kW	1.29	1.97	2.63	3.00
	EER	W/W	3.10	3.05	3.04	3.00
Indoor Unit			**HU062WAMNA**	**HU062WAMNA**	**HU102WAMNA**	**HU102WAMNA**
Leaving water temperature range	Heating	℃	15~60	15~60	15~60	15~60
	Cooling	℃	5~25	5~25	5~25	5~25
Sound power level		dB(A)	42	42	42	42
Backup electric heater capacity	Capacity	kW	1+3	1+3	1+3	1+3
	Levels	-	3	3	3	3
Expansion vessel capacity		L	5	5	5	5
Pump	Type	-	Variable speed	Variable speed	Variable speed	Variable speed
	Power input	W	75	75	75	75
Water flow rate		L/min	11.5	17	23	28.7
Water pipe connection	Inlet/Outlet	inch	R 1	R 1	R 1	R 1
Pipe diameter	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Net dimension	(HxWxD)	mm	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310
Packing dimension	(HxWxD)	mm	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020×580 × 460
Net / Gross weight		kg	41 / 53	41 / 53	43 / 55	43 / 55
Power supply		~/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Max running current		A	20	20	20	20
Built-in circuit breaker		A	63	63	63	63
Outdoor Unit			**AW042SSCHA**	**AW062SSCHA**	**AW082SNCHA**	**AW102SNCHA**
Outdoor operating temperature range	Cooling	℃	10~48	10~48	10~48	10~48
	Heating	℃	-25~35	-25~35	-25~35	-25~35
Compressor	Quantity	-	1	1	1	1
	Type	-	DC inverter twin rotary			
Refrigerant	Type	-	R32			
	Charge/CO2 Eq.	kg/T	1.2 / 0.81	1.2 / 0.81	1.6 / 1.08	1.6 / 1.08
Pipe diameter	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Max refrigerant pipe length		m	30	30	50	50
Max height difference between ODU&IDU		m	20	20	30	30
Pipe length without additional charge		m	10	10	10	10
Additional charging volume		g/m	20	20	38	38
Sound pressure level		dB(A)	44	45	49	53
Sound power level		dB(A)	58	61	65	68
Net dimension	(HxWxD)	mm	765 × 920 × 372	765 × 920 × 372	965 × 950 × 370	965 × 950 × 370
Packing dimension	(HxWxD)	mm	980 × 1050 × 500	980 × 1050 × 500	1090 × 1030 × 480	1090 × 1030 × 480
Net / Gross weight		kg	55 / 67	55 / 67	76 / 86	76 / 86
Power supply		~/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Max running current		A	12.5	13	19	22
Recommended circuit breaker		A	16	16	25	32
External wired cntroller			HW-WA101DBT (Optional)			

R32

A+++/A++

Max. 60°C hot water

Climate Curve

2 Zone Control

Turbo Mode

Smart Grid

Modbus

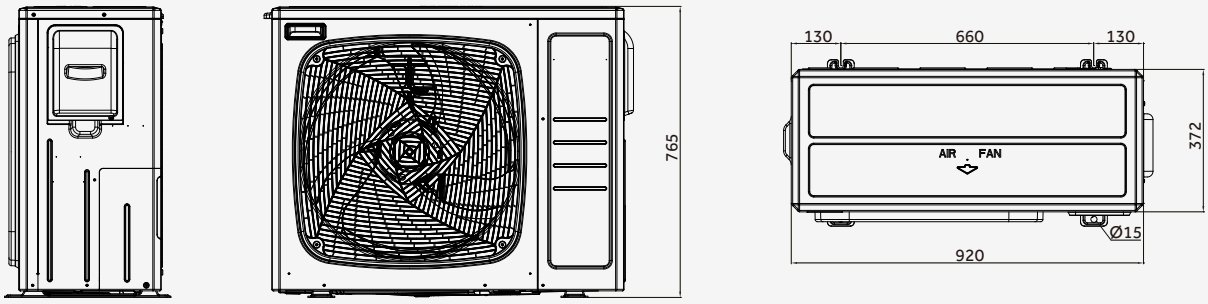
DHW Tank Solar Control

Pool Heating

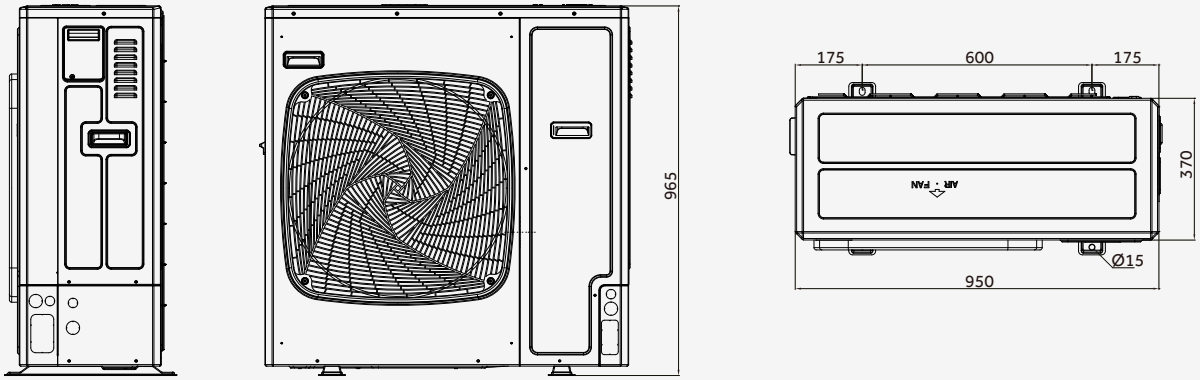
Anti-freezing

SPLIT HE R32

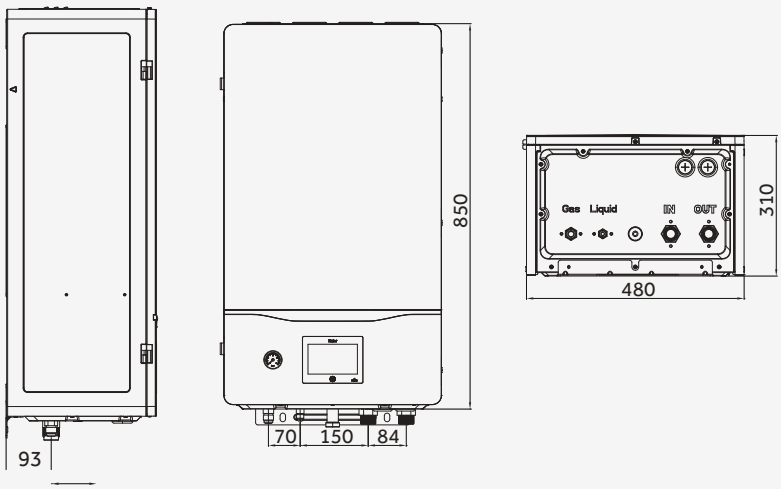
SPLIT HE
AW042SSCHA
AW062SSCHA



SPLIT HE
AW082SNCHA
AW102SNCHA



SPLIT HE (INDOOR)
HU062WAMNA
HU102WAMNA



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NOTES

NOTES

Haier
Heating

The new name in
heating

Haier HVAC
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