



NEW

COMMERCIAL HEAT PUMP

Super Aqua Commercial series

NEW



WHY CHOOSE THE SUPER AQUA COMMERCIAL SERIES?

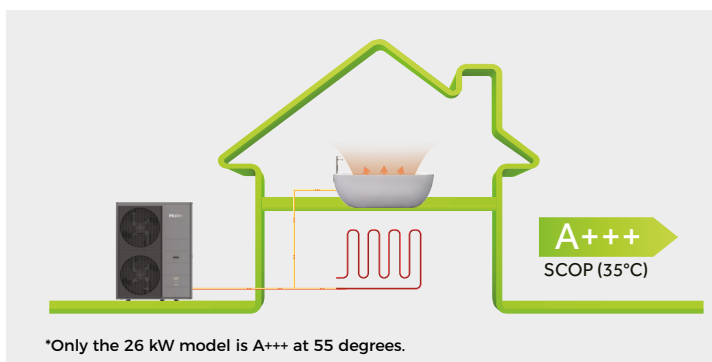
R290 Refrigerant

R290 has zero ODP and a GWP of 3 making it the perfect choice for environmentally friendly heating systems.



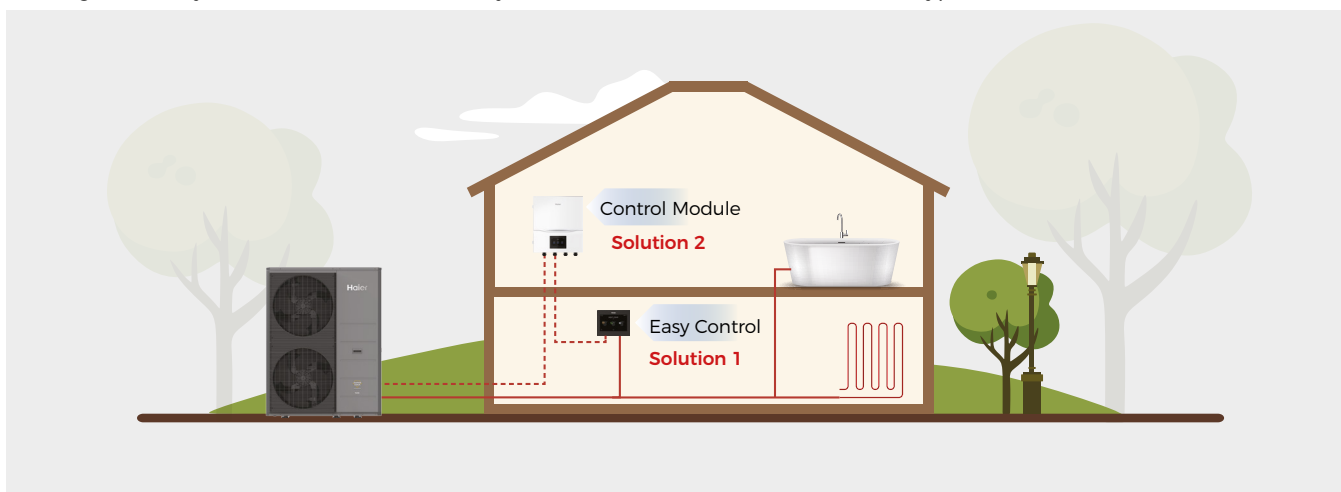
Energy Efficiency Level A+++/A+++ (35°C/55°C)

These are efficiency levels that cannot be met using R32 but still operate at high efficiency levels, even at low temperatures*.



Control Flexibility

Users can choose two solutions according to their needs: easy control only satisfies basic functions of heating/cooling/DHW. If you want other functions, you can choose the control module type.



Simplified Control

The new 26-40kW Haier commercial heat pumps can be used with the standard ATW-A03N wiring centre mounted in the building and connected with a 2-core cable to the outdoor unit.

This gives simple indoor wiring combined with more functionality, it should be used for more complex systems, for example: Hybrid, Bi-Valent, Cascade, 2 zone, cooling and heating in the same system, Backup heaters etc.

However: Inside the heat pump itself we have a brand new feature, we have included a mini wiring centre with limited functionality allowing simple systems to be connected without needing an internal wiring centre at all.

So now you have the option of indoor or outdoor wiring.

ATW-E03N which will have:

3 x 10m long temperature sensors (all interchangeable), DHW, Temp Zone 1 and Buffer sensor

The heat pump controller HW-WA101DBT

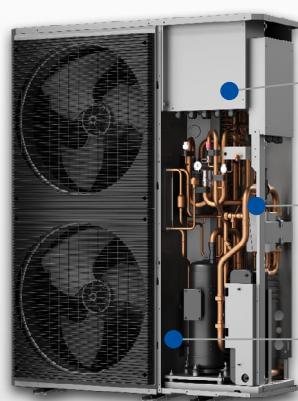
The Wi-Fi and a 10m extension cable

Water Pump Included

Unit is fit with 16 meter head PWM water pump installed inside the unit



Safety Features



Safety Control Design

Fully sealed control cabinet

Explosion-proof electric control design, more safety for R290 product

Safety Components Design

Refrigerant separator

To prevent the refrigerant from entering the water system and indoor space

Safety System Design

Refrigerant leakage sensor

When refrigerant leakage is detected, the unit issues an alarm

As a safety feature in response to the flammable properties of R290 refrigerant the system as been designed to include a fully enclosed electrical control box a refrigerant separator and refrigerant detector. In the event of refrigerant leakage the unit can quickly discharge the refrigerant and stop it entering the water.

Commercial Unit R290

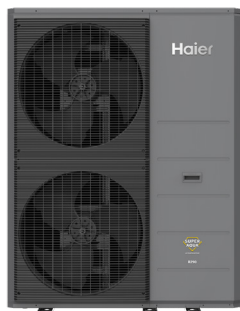
Super Aqua Commercial series

26 kW

30 kW

35 kW

40 kW



AW26NMYGHA
AW30NMYGHA
AW35NMYGHA
AW40NMYGHA



ATW-E03 KIT
 (Comes with WiFi
 module & Controller
 HW-WA101DBT
 Must be ordered
 separately)



ATW-A03N
 (Must be ordered
 separately)

Model			AW26NMYGHA	AW30NMYGHA	AW35NMYGHA	AW40NMYGHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	26.00	30.00	35.00	40.00
	Power input	kW	5.42	6.59	8.24	10.00
	COP	-	4.80	4.55	4.25	4.00
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	26.00	30.00	35.00	40.00
	Power input	kW	7.76	9.38	11.67	14.29
	COP	-	3.35	3.20	3.00	2.80
Space heating Average climate water outlet 35°C	SCOP	-	4.91	4.73	4.55	4.46
	ns	%	193	186	179	175
	Energy class	-	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.83	3.68	3.57	3.56
	ns	%	150	144	140	139
	Energy class	-	A+++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	26.00	30.00	35.00	39.00
	Power input	kW	5.42	6.38	8.14	9.75
	EER	-	4.80	4.70	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	26.00	30.00	32.00	35.00
	Power input	kW	8.39	10.53	11.85	14.00
	EER	-	3.10	2.85	2.70	2.50
Outdoor operating temperature range	Heating	°C	-28 ~35	-28 ~35	-28 ~35	-28 ~35
	Cooling	°C	10 ~ 46	10 ~ 46	10 ~ 46	10 ~ 46
	DHW	°C	-28 ~43	-28 ~43	-28 ~43	-28 ~43
Leaving water temperature range	Heating	°C	20-80	20-80	20-80	20-80
	Cooling	°C	5-25	5-25	5-25	5-25
Storage temperature range(tank)	DHW	°C	20-75	20-75	20-75	20-75
Nominal water flow rate		L/min	75.0	86.0	100.0	115.0
Minimal water flow rate		L/min	40.0	42.0	44.0	46.0
Water piping connection	Inlet/Outlet	inch	G 1-1/4/G 1-1/4	G 1-1/4/G 1-1/4	G 1-1/4/G 1-1/4	G 1-1/4/G 1-1/4
Compressor	Quantity	-	1	1	1	1
	Type	-	DC Inverter Scroll Compressor			
Refrigerant	Type	-	R290			
	Charge/CO2 Eq.	kg/t	3.1/9.3	3.1/9.3	3.1/9.3	3.1/9.3
Net dimension	(HxWxD)	mm	1790x1380x460	1790x1380x460	1790x1380x460	1790x1380x460
Packing dimension	(HxWxD)	mm	2025x1454x620	2025x1454x620	2025x1454x620	2025x1454x620
Net/Gross weight		kg	282/317	282/317	282/317	282/317
Sound Pressure level*(1)		dB(A)	47	50	50	51
Sound power level*(1)		dB	62	63	64	65
Power supply		V/-/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. running current		A	15.7	20.1	25.2	30.4
Recommended circuit breaker		A	32.0	32.0	40.0	40.0
Accessory	Wired controller	-	HW-WA101DBT(Optional)			
	PCB Box	-	ATW-A03 (Optional) or ATW-E03N (Optional)			
	Filter	-	Y-type (Standard)			
Indoor Unit			ATW-A03N			
Power Supply			20 AMP			
Net Dimension	(HxWxD)	mm	460 × 400 × 110			
Packaging dimension	(HxWxD)	mm	590 × 500 × 235			
Net / Gross weight		kg	11.2 kg			
		kg	8.1 kg			



R290



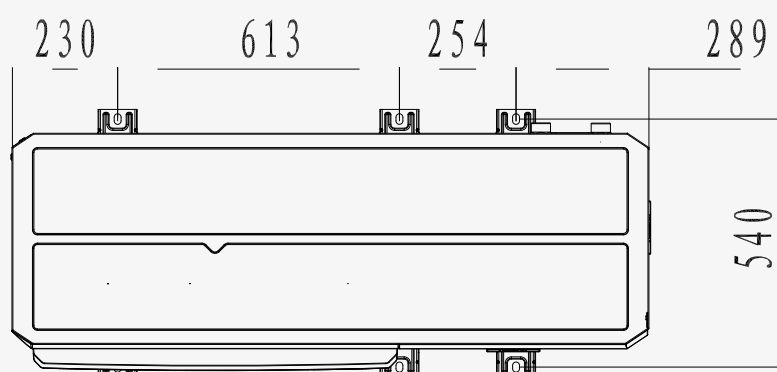
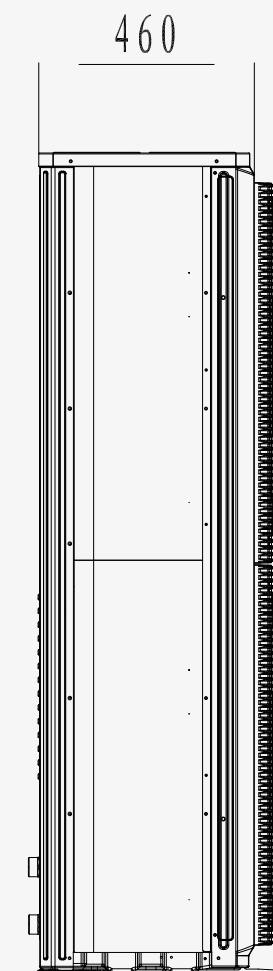
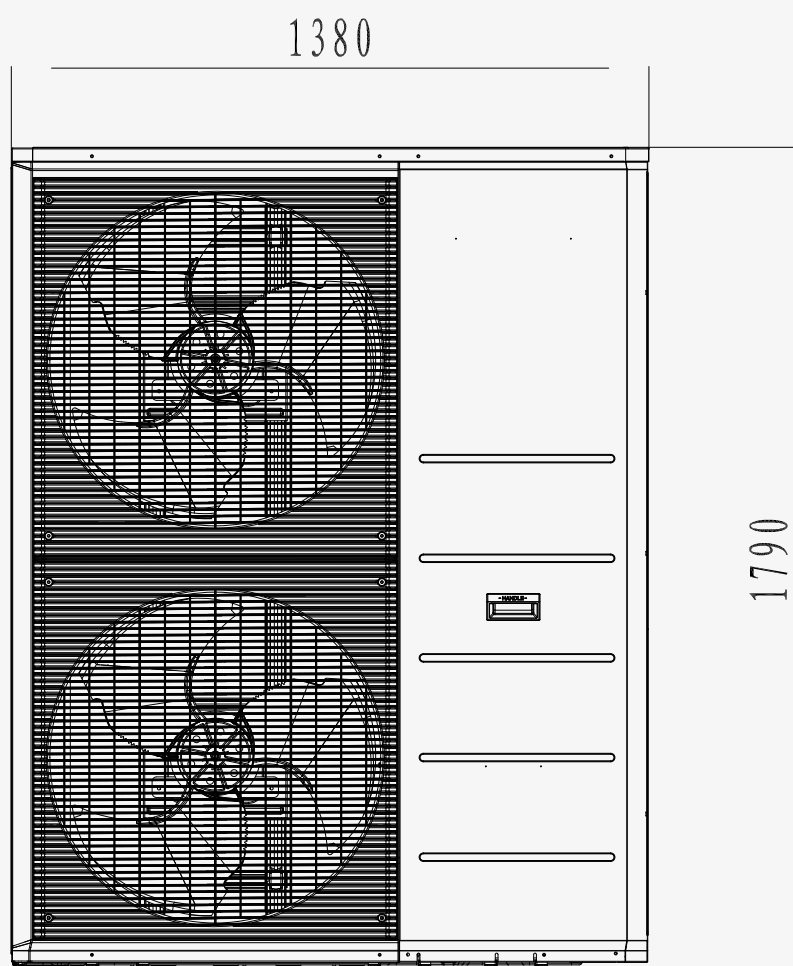
+++A+++/A

Max. 80°C
hot waterCOP at A7/W35
up to 5.30Min outside ambient
temperature -25°C

OTA Update

*(1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017(A7/W35).
 (A+++/A++) only available on the AW26NMYGHA

COMMERCIAL
 AW26NMYGHA
 AW30NMYGHA
 AW35NMYGHA
 AW40NMYGHA



COMMERCIAL HEAT PUMP

Super Aqua
Commercial series



haierhvac.eu

