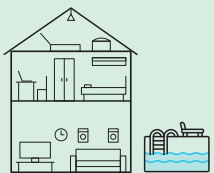


Maximising home comfort



01

2-Zone Temp + Swimming Pool Water Temp

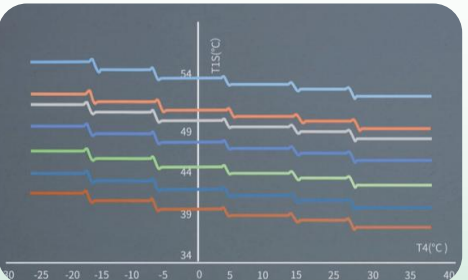
Breaking the limitations of "single-scenario adaptation" in traditional temperature control devices, it eliminates the need for additional pool heating equipment. One device fulfills multi-scenario temperature control needs, balancing convenience and space cost optimization.



02

3-Zone Independent Temperature Control, Adapting to Diverse Spatial Needs

Focusing on different home temperature control scenarios, it supports precise differential temperature adjustment for three independent zones (e.g., living room, master bedroom, children's room/study). It delivers personalized comfort experiences for different life scenarios, demonstrating high-end control over "detailed comfort".



Climate curves

8 pre-set + 1 self-defined tempera-ture curves, flexible adaptation tooperating conditions in different climates.

Parameters (Draft)



Heat Pump			04	06	08	10	08	10	12	14	16	12	14	16		
Power supply			V/Ph/Hz		220-240/1/50		220-240/1/50		380-415/3/50		220-240/1/50			380-415/3/50		
Heating A7W35 ¹	Capacity	kW	4.50	6.20	8.00	10.00	8.00	10.00	12.00	14.00	16.00	12.00	14.00	16.00		
	Rated input	kW	0.82	1.15	1.51	2.00	1.51	2.00	2.39	2.92	3.40	2.39	2.92	3.40		
	COP		5.50	5.40	5.30	5.00	5.30	5.00	5.00	4.80	4.70	5.00	4.80	4.70		
Heating A7W45 ¹	Capacity	kW	4.30	6.40	8.20	10.00	8.20	10.00	12.00	13.60	15.60	12.00	13.60	15.60		
	Rated input	kW	0.98	1.60	2.00	2.50	2.00	2.50	3.08	3.58	4.33	3.08	3.58	4.33		
	COP		4.40	4.00	4.10	4.00	4.10	4.00	3.90	3.80	3.60	3.90	3.80	3.60		
Heating A7W55 ¹	Capacity	kW	4.20	6.10	8.00	10.00	8.00	10.00	12.00	14.00	16.00	12.00	14.00	16.00		
	Rated input	kW	1.20	1.77	2.35	3.08	2.35	3.08	3.68	4.38	5.19	3.68	4.38	5.19		
	COP		3.50	3.45	3.40	3.25	3.40	3.25	3.28	3.20	3.08	3.28	3.20	3.08		
Cooling A35W18 ¹	Capacity	kW	5.00	6.50	8.50	10.00	8.50	10.00	12.00	14.00	16.00	12.00	14.00	16.00		
	Rated input	kW	0.96	1.27	1.57	2.08	1.57	2.08	2.71	2.92	3.64	2.71	2.92	3.64		
	EER		5.20	5.10	5.40	4.80	5.40	4.80	5.20	4.80	4.40	5.20	4.80	4.40		
Cooling A35W7 ¹	Capacity	kW	4.70	6.80	8.00	8.50	8.00	8.50	12.00	13.00	14.00	12.00	13.00	14.00		
	Rated input	kW	1.27	2.09	2.39	2.74	2.39	2.74	3.39	3.76	4.22	3.39	3.76	4.22		
	EER		3.70	3.25	3.35	3.10	3.35	3.10	3.54	3.46	3.32	3.54	3.46	3.32		
SCOP ²	LWT at 35°C		5.80	5.65	5.35	5.33	5.35	5.33	5.07	4.94	4.85	5.07	4.94	4.85		
	LWT at 55°C		4.36	4.31	4.06	4.01	4.06	4.01	3.91	3.86	3.85	3.91	3.86	3.85		
SEER	LWT at 18°C		7.94	7.99	8.50	8.30	8.50	8.30	9.74	9.58	9.19	9.74	9.58	9.19		
	LWT at 7°C		5.42	5.45	6.00	5.80	6.00	5.80	6.05	6.00	5.94	6.05	6.00	5.94		
Seasonal space heating energy efficiency class		LWT at 35°C		A+++												
		LWT at 55°C		A+++												
Electric heater power input		kW	3	3	3	3	6/9	6/9	3	3	3	6/9	6/9	6/9		
Compressor	Type	Twin rotary DC inverter														
Outdoor fan	Motor type	Brushless DC motor														
	Number of fans	1														
Throttle type		Electronic expansion valve														
Air side heat exchanger	Type	Finned tube														
Water side heat exchanger	Type	Plate type														
Refrigerant	Type	R290														
	Factory charge	kg	0.8			1.10			1.35							
Sound power Level ³	dB	51	53	53	54	53	54	55	57	59	55	57	59			
Sound pressure level ⁴	dB	38	40	40	41	40	41	43	46	49	43	46	49			
Net dimensions (W×H×D)		mm	1293*860*523					1336*1061*552								
Packing dimension (W×H×D)		mm	1395*996*550					1410*1230*570								
Net/Gross weight		kg	109/130			165/190										
Piping connections		R1 1/4"														
Operation range	Cooling	°C	-5~46													
	Heating	°C	-25~35													
	DHW	°C	-25~43													
Water outlet	Cooling	°C	5~20													
	Heating	°C	25~80													
	DHW	°C	20~70													

Abbreviations:

DHW: Domestic hot water
LWT: Leaving water temperature

Notes:

1. Relevant EU standards and legislation: EN14511; EN14825; EN12102; EN16147; (EU) No 811; (EU) No 813.
2. Test under average climate conditions.
3. Sound power test condition : EN12102- 1
4. Sound pressure level is the maximum value tested under the two conditions for A7W35 and A35W18.



Worldwide Air Conditioner Partner



TECHNICAL SUPPORT, GLOBAL SALES COMPANY
GD TCL INTELLIGENT HEATING & VENTILATING EQUIPMENT CO.,LTD.

Tel: +86 0760 2820 3104

Website: <https://www.tcl.com/eu/en/heatpump>

E-mail: heatpump@tcl.com



V26.1.13



Worldwide Air Conditioner Partner

R290
Tri-thermal Ultra AI

A New Generation of High-efficiency
ATW Heat Pump



100% heating capacity at -10°C



28 dB(A) at 3m



4 Core Safety Protections



7-inch Smart Touch Display



3-Zone Control



AI Smart Control

High-efficiency solutions

A+++ at 35°C & 55°C, COP 4.75



Ultra quiet by design

- The five-layer noise reduction technology ensures smooth bass performance.
- It produces a sound pressure of 28 dBA at 3 metres, an industry-leading standard, quieter than a library.



Special grille structure design



Bionic large fan blades design



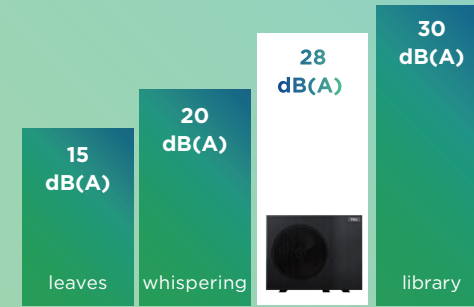
2-level anti-vibration pad



Pipeline flexibility design



Sound insulation design



AI-Powered Smart Management

Renewable energy system

Can be connected with energy storage and PV panel.

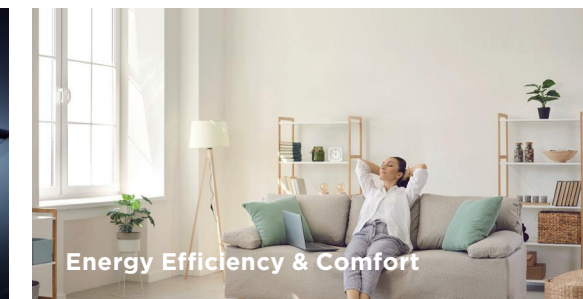


AI Temp Control



Convenience & Intelligent

- Auto-adjusts temp to real-time ambient conditions — no manual tweaks, just effortless, worry-free heating.
- Learns historical data to predict & adjust the daily temp when offline, keeping home comfort consistent at all times.



Energy Efficiency & Comfort

Precise water temp adjustment to match real needs — no discomfort or wasted energy from wrong manual settings.

AI-Powered Smart Management



7-Inch Smart Touch Display

- Intuitive control**
Upgrade user experience with user-friendly design.
- Built-in wifi module**
Easy to connect with the APP, without any other kit installation.
- Intelligent commissioning**
Step-by-step guidance, without complex setup process and long setup times.



Powerful heating



100% heating capacity at A-10



80°C LWT at -10°C

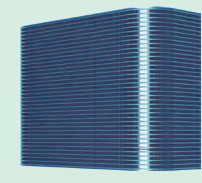


Operation range down to A-25



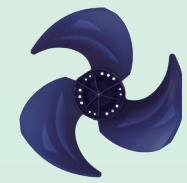
R290 Compressor volume

55%



Heat exchange area

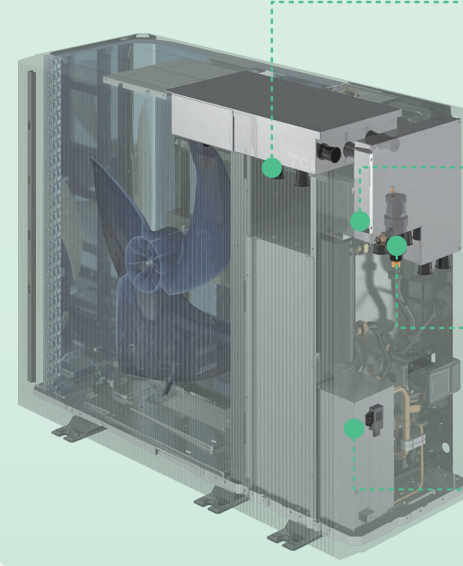
39%



Bigger fan blade size

17%

Safe R290 refrigerant



Ventilation channel

R290 refrigerant can be quickly vented to the outside through the special ventilation channel.



Sealed e-box

Prevents R290 refrigerant from entering the electric control box.



Refrigerant-gas separator

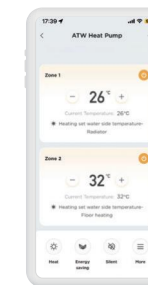
Extracts R290 refrigerant from water, preventing it from entering the indoor area via the water circuit.



Gas leakage sensor

Automatically triggers the fan to ventilate the area, preventing the accumulation of flammable gas clouds.

Always in control at your fingers



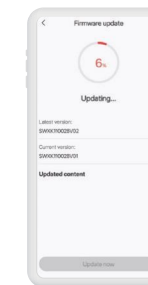
Control

- On/off operation and change modes
- Change room and hot water temperatures



Monitor

- System status
- Power consumption data



OTA update

- Update Online



Easy Setup & Maintenance:



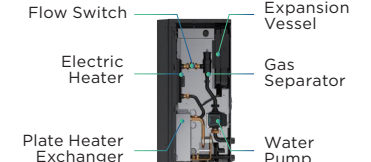
Easy Disassembly Design

- 4 Screws to access the wiring & installation
- 4 Screws to access PCB



Rotated E-Box

- No need to disassemble E-Box, more easy for maintenance



Accessible Design

- All water parts are at the side, installation & maintenance are easier.