

Maximizing 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.



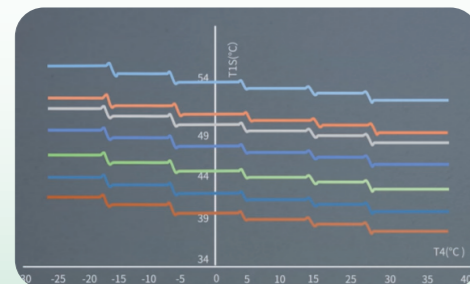
02

3-Zone Independent Temperature Control

Focusing on different home temperature control scenarios, it supports precise differential temperature adjustment for three independent zones (e.g., living room, bedrooms, 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 temperature curves, flexible adaptation to operating conditions in different climates.



Parameters



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	2.33	2.80	3.27	2.33	2.80	3.27
	COP		5.50	5.40	5.30	5.00	5.30	5.00	5.15	5.00	4.90	5.15	5.00	4.90
Heating A7W45 ¹	Capacity	kW	4.30	6.40	8.20	10.00	8.20	10.00	12.00	14.00	16.00	12.00	14.00	16.00
	Rated input	kW	0.98	1.60	2.00	2.50	2.00	2.50	2.93	3.50	4.21	2.93	3.50	4.21
	COP		4.40	4.00	4.10	4.00	4.10	4.00	4.10	4.00	3.80	4.10	4.00	3.80
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	3.64	4.38	5.19	3.64	4.38	5.19
	COP		3.50	3.45	3.40	3.25	3.40	3.25	3.30	3.20	3.08	3.30	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	2.31	2.92	3.64	2.31	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	5.04	4.93	4.84	5.04	4.93	4.84
	LWT at 55°C		4.36	4.31	4.06	4.01	4.06	4.01	3.90	3.86	3.84	3.90	3.86	3.84
SEER	LWT at 18°C		7.94	7.99	8.50	8.30	8.50	8.30	9.69	9.49	9.08	9.69	9.49	9.08
	LWT at 7°C		5.42	5.45	6.00	5.80	6.00	5.80	6.08	6.02	5.96	6.08	6.02	5.96
Seasonal space heating energy efficiency class			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		R1/4"												
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.
 5. "*" indicates draft data.



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



V26.5.11



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 solution

A+++ at 35°C & 55°C, COP 5.50

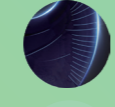


Ultra quiet by design

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



Special grille structure design



Bionic large fan blades design



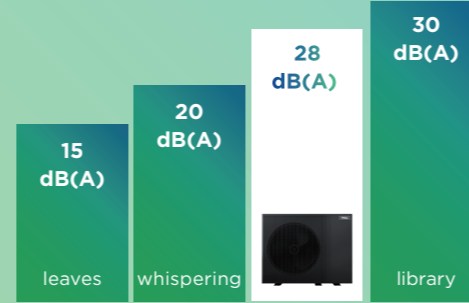
2-level anti-vibration pad



Pipeline flexibility design



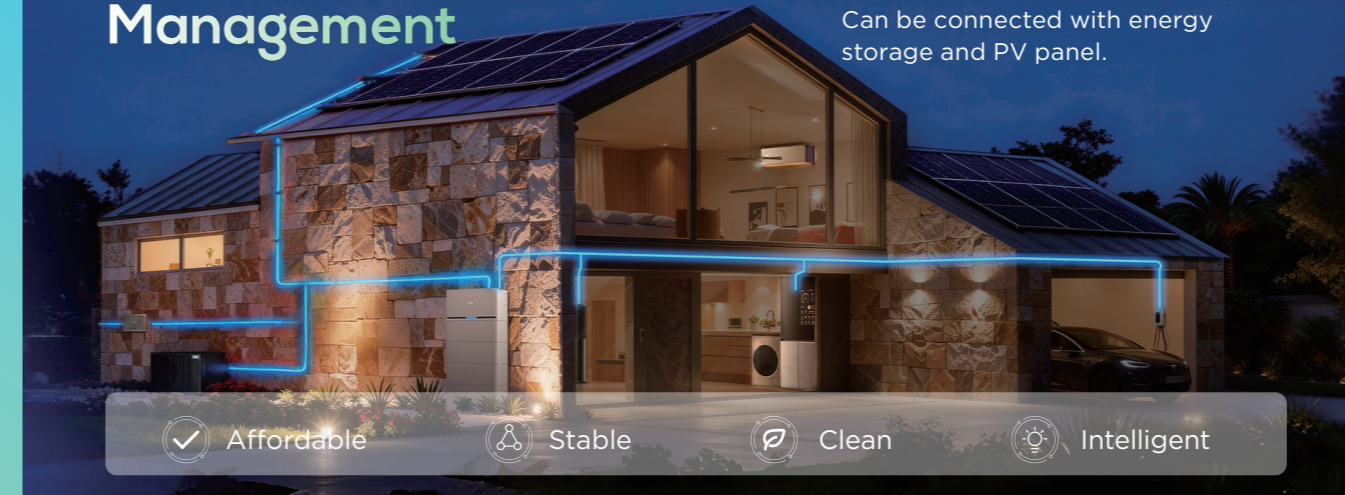
Sound insulation design



AI-Powered Smart Management

Renewable energy system

Can be connected with energy storage and PV panel.



AI-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 -10°C



80°C LWT at -10°C

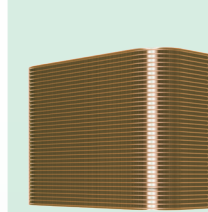


Operation range down to -25°C



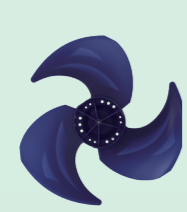
R290 Compressor volume

12%



Heat exchange area

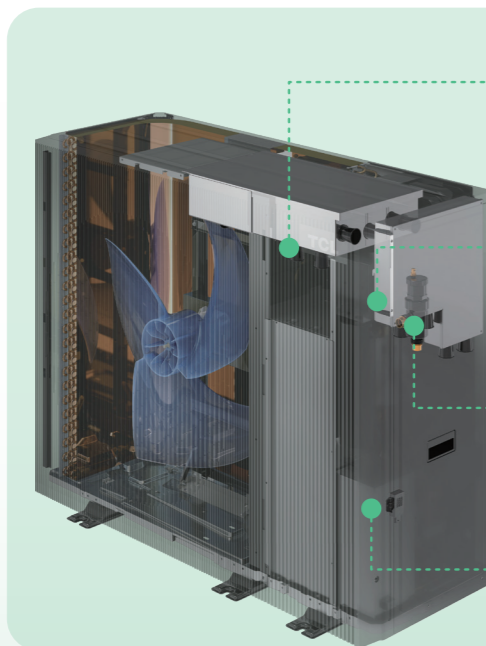
39%



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.



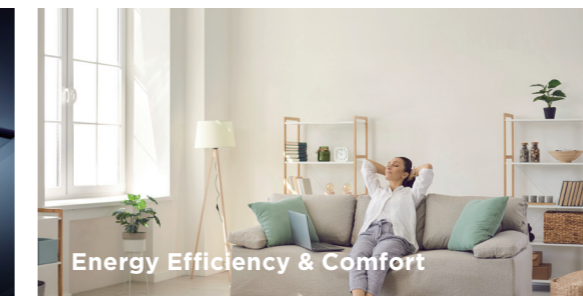
Gas leakage sensor
Automatically triggers the fan to ventilate the area, preventing the accumulation of flammable gas clouds.

AI temp. control



Convenience & Intelligent

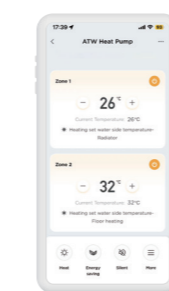
- Auto-adjusts temp. to real-time ambient conditions — no manual tweaks, just effortless, worry-free heating.
- Learns historical data to predict & adjust the daily temp. when offline, keeping home comfort consistent at all times.



Energy Efficiency & Comfort

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

Always in control at your fingers



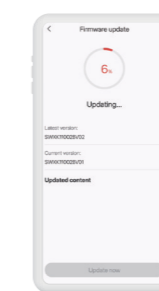
Control

- 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:



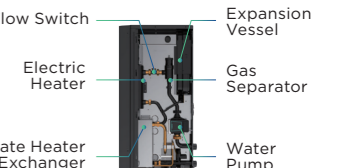
Easy Disassembly Design

- 4 Screws to access the hydro components
- 4 Screws to access e-box



Rotated E-Box

- No need to disassemble e-box, easier maintenance



Integrated Design

- All hydro components are at the side
- Reduced on-site installation work

TCL IOT Platform for quick after-service

- Remote monitoring and debugging:**
Keep an eye on your devices in real-time.
- Device information query:**
Get all the details and historical data you need.
- Check the faults in advance:**
No need to make multiple trips for repairs.

