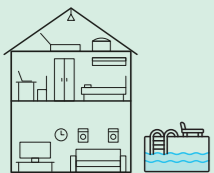


Maximising home comfort



01

2-Room Temp + Swimming Pool Water Temp

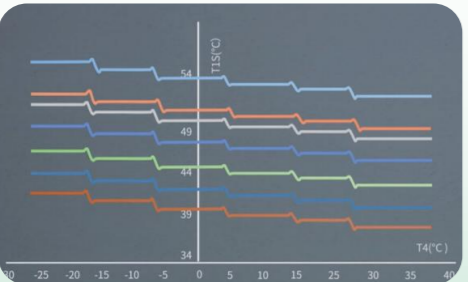
Breaking the limitations of "single-scenario adaptation" in traditional temperature control devices, it eliminates the need for additional pool heating equipment. One device fulfills multi-scenario temperature control needs, balancing convenience and space cost optimization.



02

3-Room 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	14	
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 A7W351	Capacity	kW	4.20	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	0.79	1.20	1.51	2.00	1.51	2.00	2.39	2.92	3.40	2.39	2.92	3.40	
	COP		5.30	5.15	5.30	5.00	5.30	5.00	5.00	4.80	4.70	5.00	4.80	4.70	
Heating A7W45	Capacity	kW	4.20	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	1.02	1.60	2.00	2.50	2.00	2.50	3.08	3.58	4.33	3.08	3.58	4.33	
	COP		4.10	3.99	4.10	4.00	4.10	4.00	3.90	3.80	3.60	3.90	3.80	3.60	
Heating A7W55	Capacity	kW	4.20	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	1.24	1.90	2.35	3.08	2.35	3.08	3.68	4.38	5.19	3.68	4.38	5.19	
	COP		3.40	3.26	3.40	3.25	3.40	3.25	3.28	3.20	3.08	3.28	3.20	3.08	
Cooling A35W18	Capacity	kW	4.50	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	0.80	1.21	1.57	2.08	1.57	2.08	2.71	2.92	3.64	2.71	2.92	3.64	
	EER		5.60	5.36	5.40	4.80	5.40	4.80	5.20	4.80	4.40	5.20	4.80	4.40	
Cooling A35W7	Capacity	kW	4.50	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	1.32	2.09	2.39	2.74	2.39	2.74	3.39	3.76	4.22	3.39	3.76	4.22	
	EER		3.40	3.26	3.35	3.10	3.35	3.10	3.54	3.46	3.32	3.54	3.46	3.32	
SCOP2	LWT at 35°C		5.65	5.61	5.35	5.33	5.35	5.33	5.07	4.94	4.85	5.07	4.94	4.85	
	LWT at 55°C		4.35	4.30	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		6.80	6.40	8.50	8.30	8.50	8.30	9.74	9.58	9.19	9.74	9.58	9.19	
	LWT at 7°C		5.60	5.40	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 class2			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												
	Motor type		Brushless DC motor												
Outdoor fan	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 ¹		dB	52	53	53	54	53	54	55	57	59	55	57	59	
Sound pressure level ⁴		dB	39	40	40	41	40	41	43	46	49	43	46	49	
Net dimensions (W×H×D)		mm	1293*860*495			1350*1060*550mm			1350*1060*550mm						
Packing dimension (W×H×D)		mm	1395*996*535			1395*1235*572			1395*1235*572						
Net/Gross weight		kg	96/117			140/161		148/169		161/182			169/190		
Piping connections			R5/4"												
Operation range	Cooling	°C	-5~46												
	Heating	°C	-25~35												
	DHW	°C	-25~43												
	Cooling	°C	5~20												
Water outlet	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; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2. Seasonal space heating energy efficiency class tests in 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



Worldwide Air Conditioner Partner

R290
Tri-thermal Ultra

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 four-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



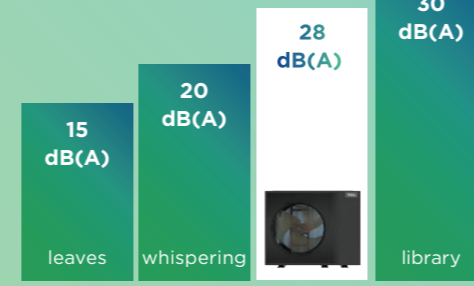
2-level anti-vibration pad



Pipeline flexibility design



Sound insulation design



AI-Powered Smart Management

Renewable energy system

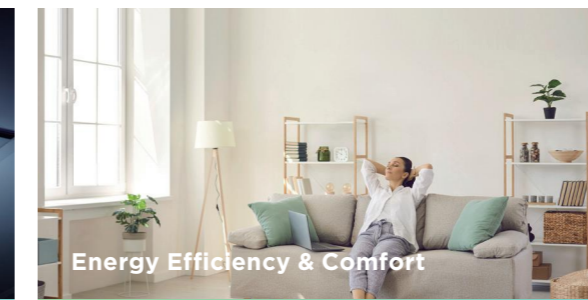
Can be connected with energy storage and PV panel.



AI Temp Control

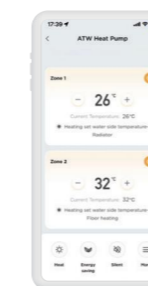


- Auto-adjusts temp to real-time ambient conditions — no manual tweaks, just effortless, worry-free heating.
- Learns historical data to predict & adjust the daily temp when offline, keeping home comfort consistent at all times.



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

Always in control at your fingers



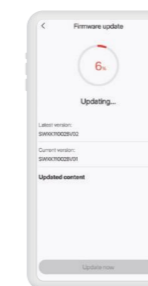
Control

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



Monitor

- System status
- Power consumption data



OTA update

- Update Online



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.



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.

Easy Setup & Maintenance:



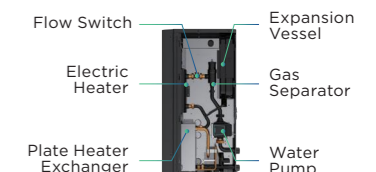
Easy Disassembly Design

- 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.