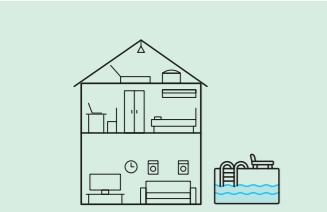
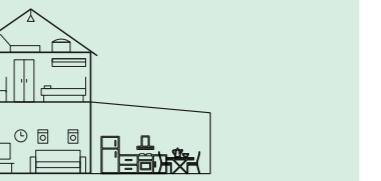


Maximising home comfort



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.

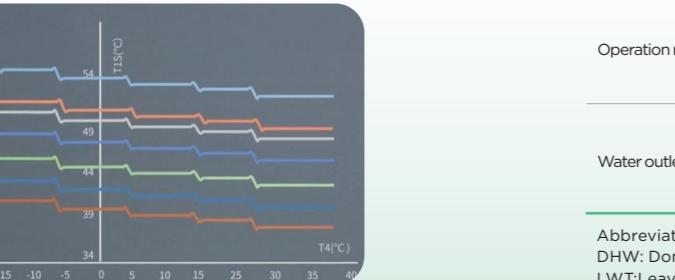


02 3-Room Independent Temperature Control, Adapting to Diverse Spatial Needs

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 temperature curves, flexible adaptation to operating 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			380-415/3/50			220-240/1/50			380-415/3/50									
Heating A7W35i	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	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							
	LWT at 35°C													A+++							
Electric heater power input	LWT at 55°C													A+++							
	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 ^b	dB	52	53	53	54	53	54	55	57	59	55	57	59								
Sound pressure level ^c	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																		
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; 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.



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TCL Heat Pump

TCL |

Worldwide Air Conditioner Partner

R290 Tri-thermal Ultra
A New Generation of High-efficiency ATW Heat Pump



High-efficiency solutions

A+++ at 35°C & 55°C, COP 4.75

A+++



Powerful heating



100% heating capacity at A-10



80°C LWT at -10°C

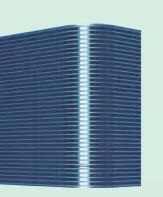


Operation range down to A-25



R290 Compressor volume

55%



Heat exchange area

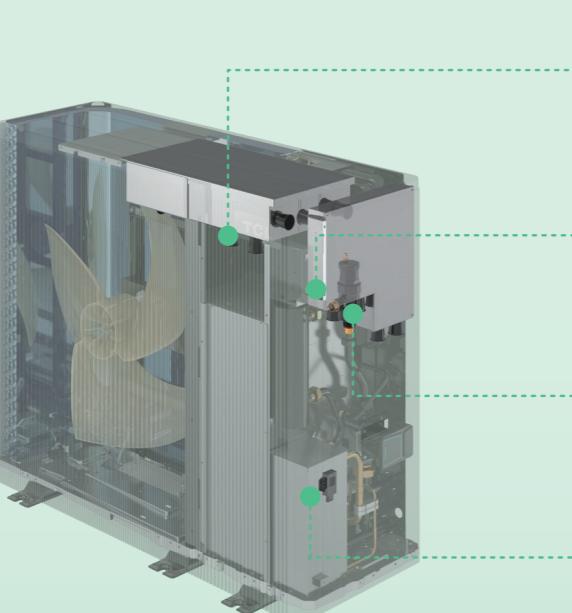
39%



Bigger fan blade size

17%

Safe R290 refrigerant



Ultra quiet by design

- The four-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

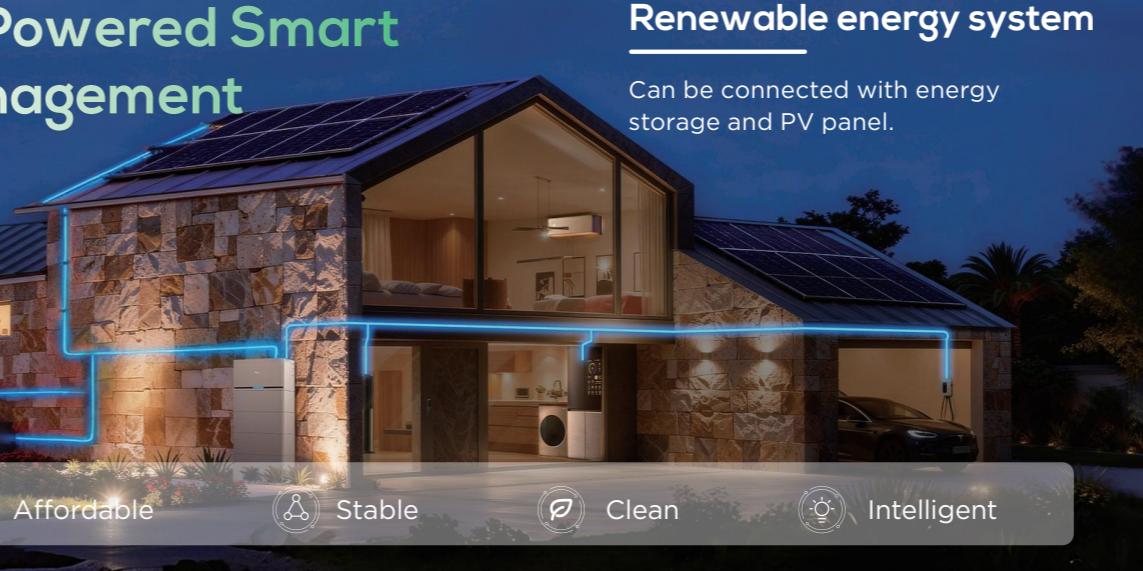
2-level anti-vibration pad

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

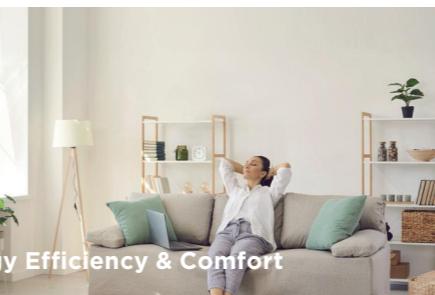


7-Inch Smart Touch Display

- 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.



AI Temp Control



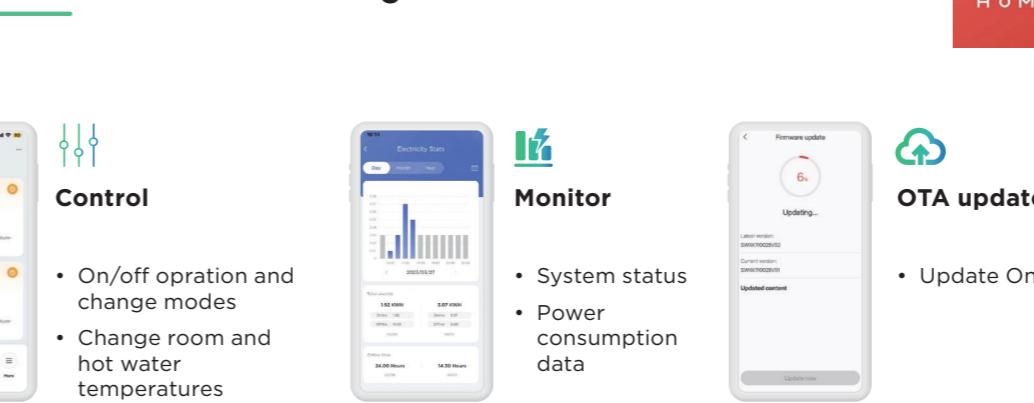
Convenience & Intelligent

- 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.

Always in control at your fingers



Easy Setup & Maintenance



Easy Disassembly Design

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

Rotated E-Box

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

Accessible Design

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