

R32 DC Inverter

Air to Water Heat Pump

Heating/Cooling/DHW



Wifi




Parameters

Model		TL-AH-003HC32	TL-AH-004HC32	TL-AH-005HC32	TL-AH-006HC32	TL-AH-008HC32	
Rated Heating Capacity	KW	9	12	18	21	25	
Heating Capacity Range	KW	2-10	4-13	6-19	6-24	10-27	
Rated Water Flow	M³/h	1.50	1.9	2.7	3.8	4.4	
Heating (A7/6°C, W30/35°C)	Heating Capacity	KW	9.14	12.59	18.43	22.01	25.3
	Power Input	KW	2.10	2.90	4.19	5.18	5.91
	COP	W/W	4.35	4.34	4.39	4.25	4.28
Cooling (A35/24°C, W23/18°C)	Cooling Capacity	KW	8.99	11.00	17.82	20.5	24.5
	Power Input	KW	2.41	3.08	4.92	5.77	6.96
	EER	W/W	3.73	3.57	3.62	3.55	3.52
Rated Voltage /Frequency/Phase	V/Hz	230/50 or 60/1	230/50 or 60/1 400/50 or 60/3	230/50 or 60/1 400/50 or 60/3	230/50 or 60/1 400/50 or 60/3	400/50 or 60/3	
Start Current	A	0.5	0.9	1.5	1.5	2	
Maximum Input Power	KW	3.1	3.55	5.5	6.5	8	
Maximum Input Current	A	14	18	25.0	28.0/12	13	
High Pressure Value Cut-off Pressure	MPa	4.5					
Low Pressure Valve Cut-off Pressure	MPa	0.05					
Brand/Type of Compressor	/	Panasonic/Rotary					
Compressor Model	/	9RD160ZAA21	9RD220ZAA21	9VD420XAB21	9VD420XAB21	9VD550XAA21	
Compressor Oil Type	/	FW50S					
Compressor Oil Charge	ML	600	500	1300	1300	1900	
Refrigerant	/	R32	R32	R32	R32	R32	
Air Flow	M³/h	4000	4000	7600	7600	10600	
Brand of Fan Motor (EC fan)		LT MOTOR/RD85HJ	LT MOTOR/RD85HJ	LT MOTOR/RD85HJ		LT MOTOR/RD200HC	
Fan Output	W	80	80	80x2	80x2	200x2	
Defrost	/	Auto Defrost With 4 Way Valve					
Waterproof Grade	/	IPX4					
Noise Pressure (5 Meters)	dB(A)	46	49	52	52	56	
Max Water Outlet Temperature	°C	60					
Diameter of Water Connection	/	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 40 (1.5")	
Drainage Valve	MM	15					
Internal Pressure Drop at Rating Water Flow	KPa	14.0	16.0	20.0	20.0	35	
Min/Max Heating Water Pressure (Safety Valve 3Bar)	Bar	0.5/3.0	0.5/3.0	0.5/3.0	0.5/3.0	0.5/3.0	
Fuse (PCB)	A	5					
Net Dimensions (L/W/H)	MM	1050/430/970	1050/430/970	1050/430/1343	1050/430/1343	1160/533/1555	
Package Dimensions (L/W/H)	MM	1086/505/1086	1086/505/1086	1086/505/1459	1086/505/1459	1197/546/1670	

*Parameters for reference only, the final is subject to confirmation.

Product Advantages



- Multi-language controller, English, French, German, Italian, Polish, Danish
- Wi-Fi function
- Heating/Cooling/DHW/Heating+DHW/Cooling+DHW
- With RS485 signal connection
- With linked switch signal connection
- 3 ways valve signal connection
- Dual water sensors control
- Heating/Cooling/DHW/Heating+DHW/Cooling+DHW
- Built-in inverter water pump
- Built-in 3KW electric heater
- Built-in expansion tank
- Strong DC fan motor
- R32 DC inverter Panasonic compressor
- More multifunctional connection

Provide You A Perfect System



Automatic Heating

As soon as water temperature drops to the set point, the heat pump will start to work to ensure the setting temperature.



Fast Heating Time

Hot water can be supplied in a short time with the inverter technology. The built-in inverter water pump will help to cycle the water automatically.



Safety Protection

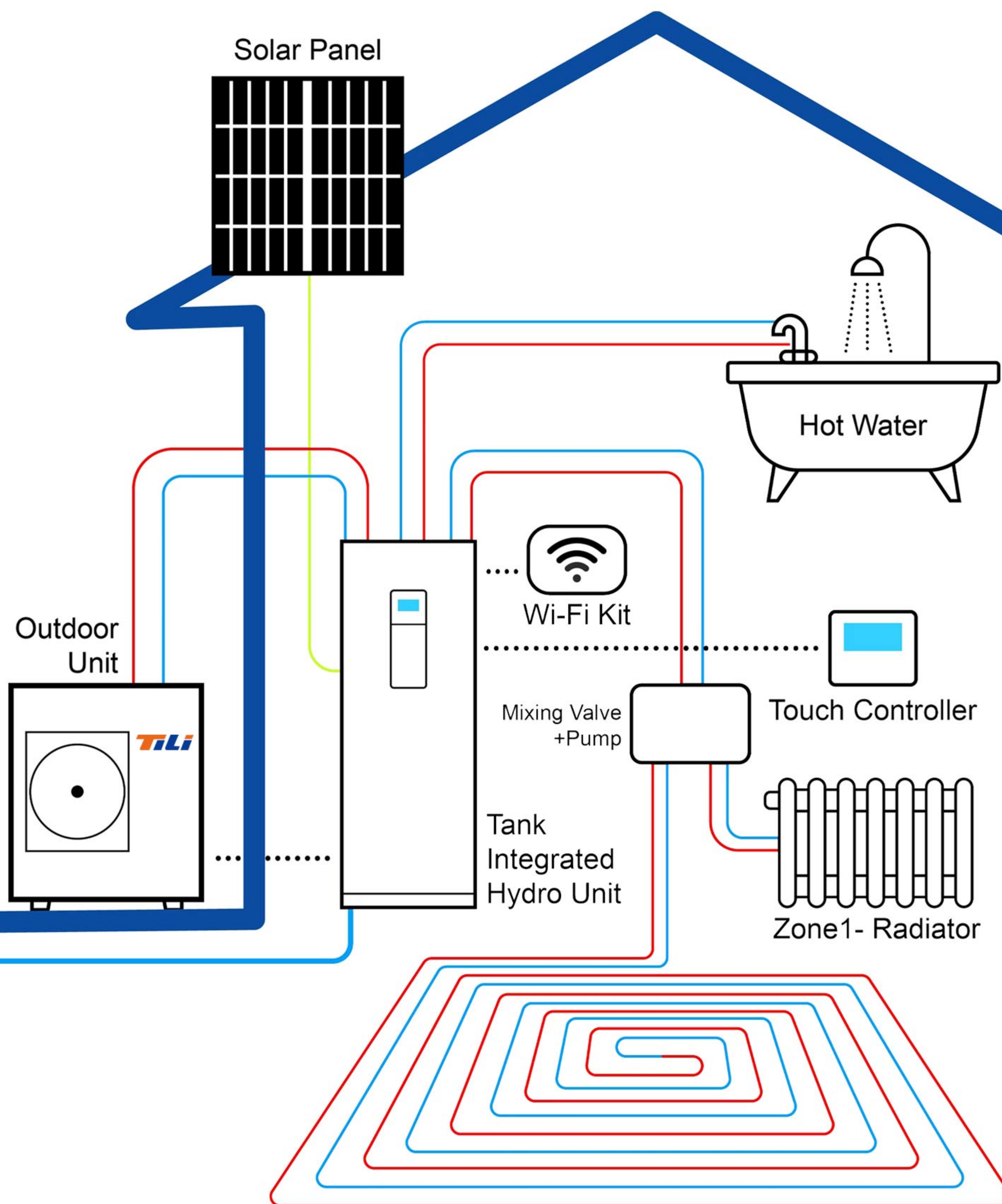
Heat pump will have the safety protected function. It will not freeze in the minus temperature. And water and electricity are separated which will not cause e-shock hazard.



Smart Control

The full touch HD display specially designed makes it easy for users to set the heat pump. Multi-language will fit for different markets.

Product Application



01 Cooling+hot water

02 Heating

03 Hot water

04 Heating+hot water

05 Cooling



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