

copa

trion
heat pump

**Eco-Friendly
Technology
High Efficiency**



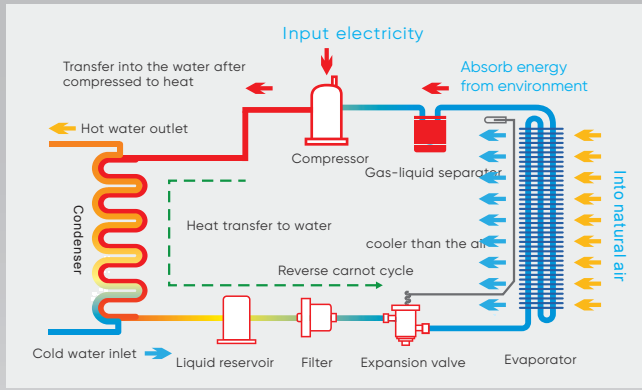
Customer Service

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Working Principle

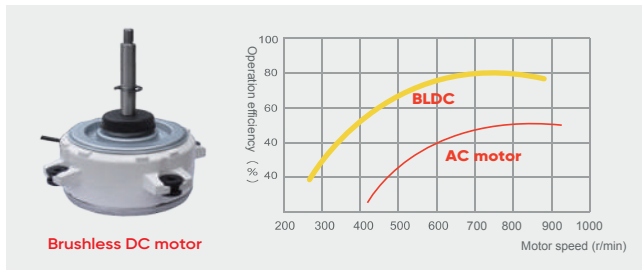


Seven processes for silence design



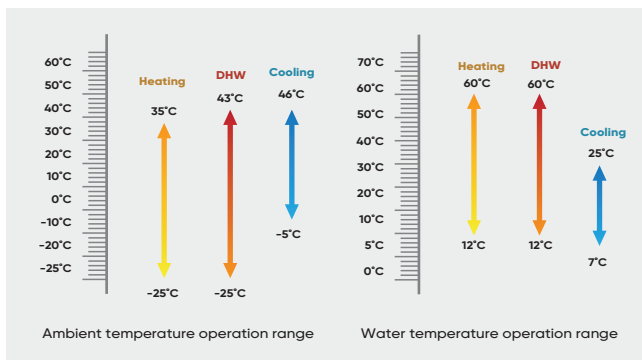
BLDC Motor Fan, Effectively Reduce The Wind Noise

The rotor is made of permanent magnets and the stator of high density pure copper coils are concentrated and wound together to keep low noise and efficient operation. Stepless adjustment can be carried out according to the changes of system operation. The system operates efficiently under different loads, with the system efficiently up to 85%.

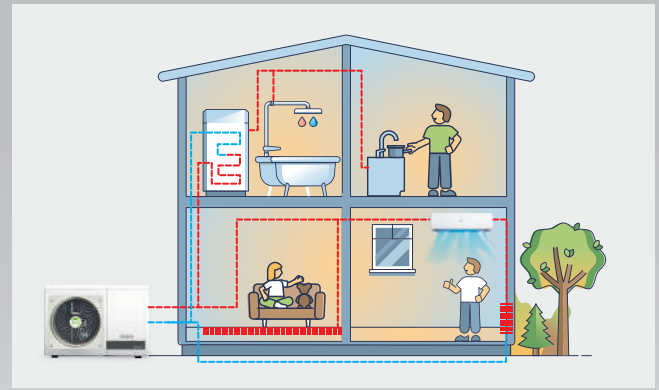


Wide Ambient Temperature and Water Temperature Operation Ranges

Our heat pump products have a wide temperature operating range, wide adaptability, and a large water temperature operating range.

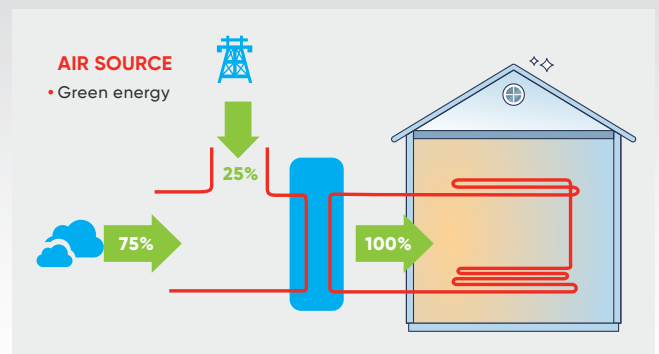


Various Applications



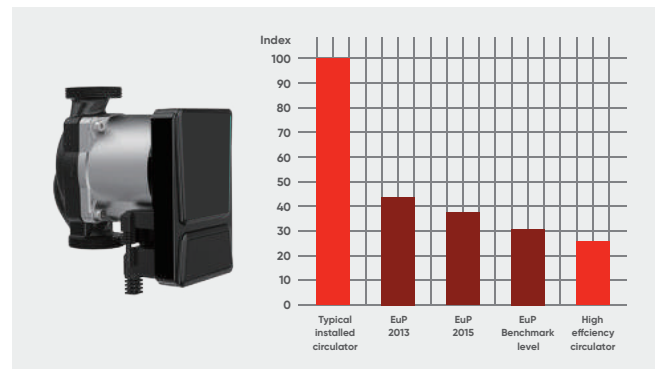
Energy Efficient Application

Thanks to the inverter technology of Copa heat pumps, you can have more efficient, environment&budget friendly solution. By absorbing energy from the outdoor environment, you can increase your energy efficiency up to 4 times to the classical boiler systems.



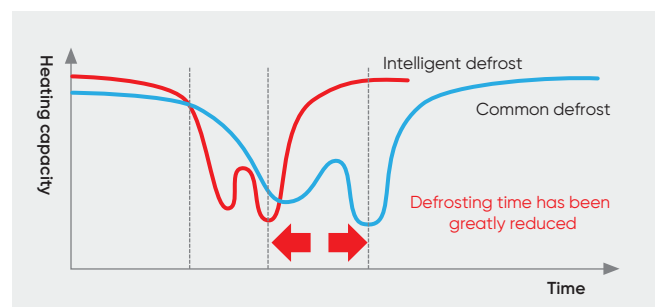
High Efficiency Pump

High efficiency provide an 85% ~ 90% reduction of electrical consumption.



Smart Defrost, Winter Heating Worry-Free

The system can accurately judge the timing and time of defrosting according to the defrosting data such as unit running time, compressor suction and exhaust pressure and outdoor environmental temperature, and shorten the defrosting time to 3~5 minutes, so as to achieve defrosting and frost-free heating and ensure the optimal heating capacity of the unit.



Service Friendly Design

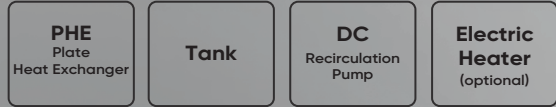
Quick to install and easy to maintain, the COPA Trion heat pump is service friendly.



All in One Design

With the COPA Trion heat pump you can realize an all-inclusive installation without additional components.

Items included in COPA Trion



COPA Trion Heat Pump Technical Specifications

Model		Copa Trion 9	Copa Trion 12	Copa Trion 16	Copa Trion 18
ErP Level (35°C)		A+++	A+++	A+++	A+++
Heating Rated Capacity	kW	9.1	12.8	16.0	18.1
Heating Nominal Input Power	kW	2.1	2.8	3.9	4.2
Heating Nominal COP	W/W	4.3	4.3	4.2	4.3
Heating Capacity Range	kW	4.0~12.7	5.3~14.1	8.0~17.7	8.7~23.9
Cooling Rated Capacity	kW	6.4	9.7	12	12.4
Cooling Rated Input Power	kW	2.7	3.9	5.2	4.9
Cooling Degree EER	W/W	2.41	2.51	2.32	2.54
Cooling Capacity Range	kW	3.2~7.7	5.4~14.3	5.4~14.3	5.7~15.6
DHW Nominal Capacity	kW	10.2	15	15	22.8
DHW Rated Input Power	kW	2.4	3.6	3.6	5
DHW Nominal COP	W/W	4.34	4.31	4.31	4.54
DHW Capacity Range	kW	4.2~10.2	9.2~15	9.2~15	9.6~27.6
Power Input		220-240V/1/50Hz	220-240V/1/50Hz	220-240V/1/50Hz	380-415V/3/50Hz
Rated Power Input	kW	4	5.5	6.5	8
Rated Current Input	A	18	8	9.5	12
Air Side Exchanger		Finned Tube	Finned Tube	Finned Tube	Finned Tube
Water Side Exchanger		SS PHE	SS PHE	SS PHE	SS PHE
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Cooler	Type/kg	R32 / 2.2	R32 / 2.2	R32 / 2.2	R32 2.8kg
Fan Type		DC Fan	DC Fan	DC Fan	DC Fan
Sound Level (EN12102)	dB(A)	62	65	67	70
Heating Ambient Temperature	°C	-25~35	-25~35	-25~35	-25~35
Cooling Ambient Temperature	°C	-5~43	-5~43	-5~43	-5~43
DHW Ambient Temperature	°C	-25~43	-25~43	-25~43	-25~43
Water Connection	mm	DN 25	DN 25	DN 25	DN 25
Water Flow Rate	m³/h	1.5	2	2.75	3
Maximum Pump Head	m	8	8	8	8
Net Dimensions (LxWxH)	mm	1303x493x890	1303x493x890	1303x493x890	1303x493x1670
Packaged Dimensions (LxWxH)	mm	1340x523x1015	1340x523x1015	1340x523x1015	1340x523x1854
Net/Gross Weight	kg	100/115	115/130	115/130	160/185



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