



KOLME AIR SOURCE HOT WATER HEAT PUMP WATER HEATER

(Residential / Commercial)



Standard hot water heat pump



Model		FUD030T	FUD060T3	FUD100T3	FUD120T3	FUD150T3
Power Supply	V/PH/Hz	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50
Rated Output Water	L/h	225	450	750	900	1128
Heating Capacity①	kW	10.5	21.0	35.0	42.0	52.5
	BTU/h	35900	71700	119500	143400	179130
COP①	W/W	4.05	4.05	4.1	4.1	4.1
Input Power①	kW	2.59	5.19	8.64	10.37	12.96
Input Current①	A	11.8	7.9	13.1	15.8	19.7
Rated Water Output Temp.	°C	55	55	55	55	55
Max. water output	°C	60	60	60	60	60
Noise	dB(A)	52	55	59	62	65
Compressor		Panasonic Scroll	Panasonic Scroll	Panasonic Scroll	Panasonic Scroll	Panasonic Scroll
Fan Direction		vertical	vertical	vertical	vertical	vertical
Heat Exchanger		Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger
		Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger
Casing		Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate
Water Flow Volume	m³/h	2	3.5	6	7	9
Refrigerant Type		R410A	R410A	R410A	R410A	R410A

Model		FUD200T3	FUD250T3	FUD300T3	FUD400T3	FUD500T3	FUD600T3
Power Supply	V/PH/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Rated Output Water	L/h	1500	1875	2250	3000.0	3750.0	4500.0
Heating Capacity①	kW	70.0	87.5	105.0	140.0	175.0	210.0
	BTU/h	238900	298600	358300	477800.0	597200.0	716600.0
COP①	W/W	4.1	4.1	4.1	4.1	4.1	4.1
Input Power①	kW	17.28	21.60	25.93	34.6	43.2	51.9
Input Current①	A	26.3	32.8	39.4	52.5	65.7	78.8
Rated Water Output Temp.	°C	55	55	55	55	55	55
Max. water output	°C	60	60	60	60	60	60
Noise	dB(A)	65	66	68	75	78	79
Compressor		Panasonic Scroll	Panasonic Scroll	Panasonic Scroll	Panasonic Scroll	Panasonic Scroll	Panasonic Scroll
Fan Direction		vertical	vertical	vertical	vertical	vertical	vertical
Heat Exchanger		Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger	Tube in Shell Heat Exchanger
		Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger	Gold Fin Heat Exchanger
Casing		Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate	Powder Coating Galvanized Metal Plate
Water Flow Volume	m³/h	12	15	18	24.0		
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A

Why choose Kolme Air Source Heat Pump Water Heater

Affordability - Save energy & high performance

As the high COP of Kolme air source heat pump water heater, it can heat the water for about 30% of cost of heating with gas and 75% of electric water heater, High COP means more energy saving.

Ex. 1 input - 4.1 of energy output at COP of 4.1

Long life with famous brand high quality components

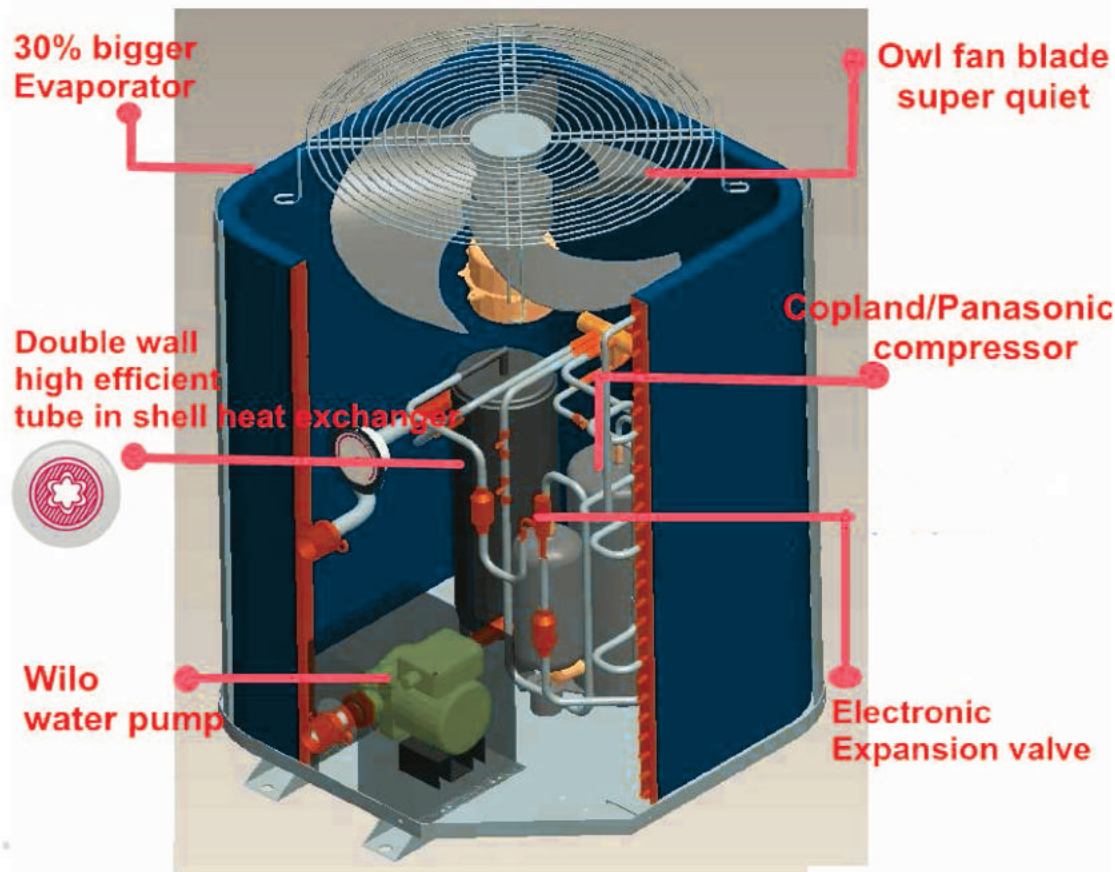
Kolme air source hot water heat pump water heater equipped with CAREL controller and CAREL expansion valve for option, Copland or Panasonic compressor, SWEP plate heat exchanger, and WILO water pump, and so on. All the heat pump equipped with famous international brand components, and we also can manufacture the casing with stainless steel, and much experience on titanium heat exchanger heat pump for some place where water quality is poor or water requirement is special.

Wide models range

Kolme can design and make commercial air to water hot water heat pump and cold water heat pump up to 210 Kw or bigger as your actual pool situation.

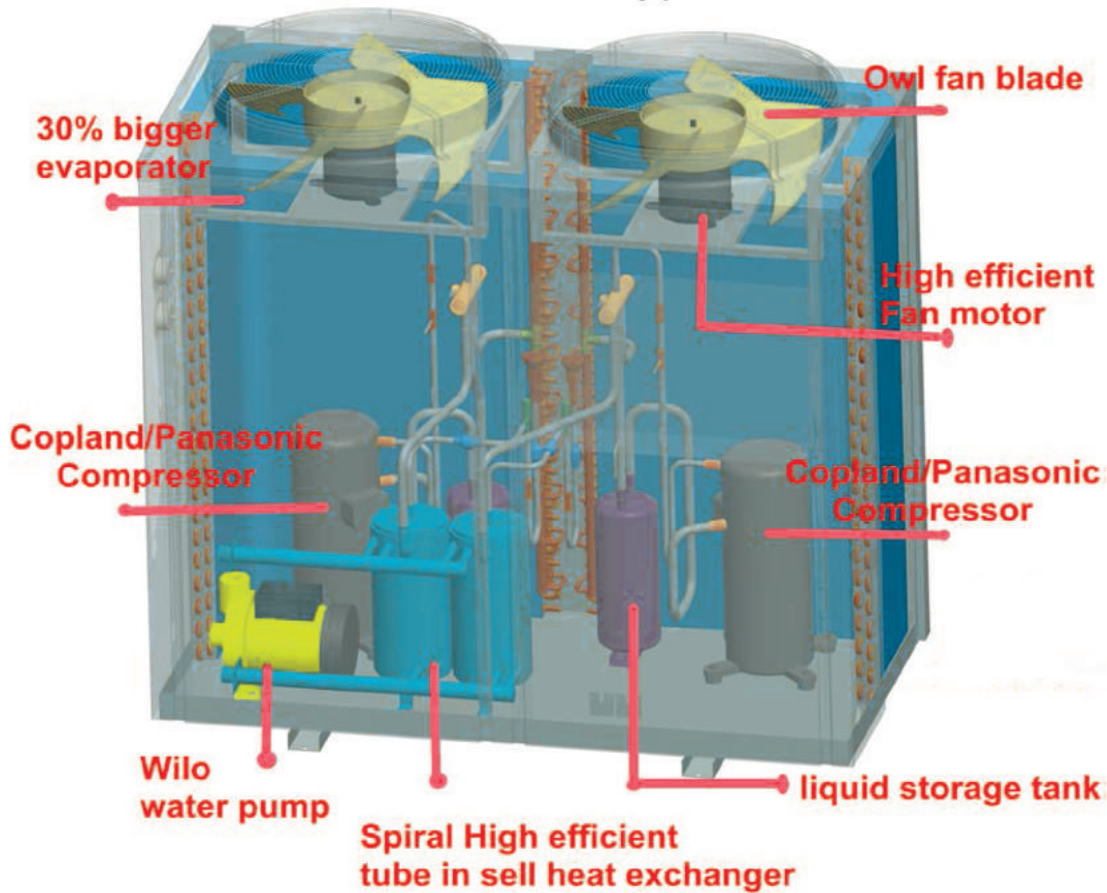
Explosive View

Residential type



*Drawing for bolt on hot water heat pump

Commercial Type



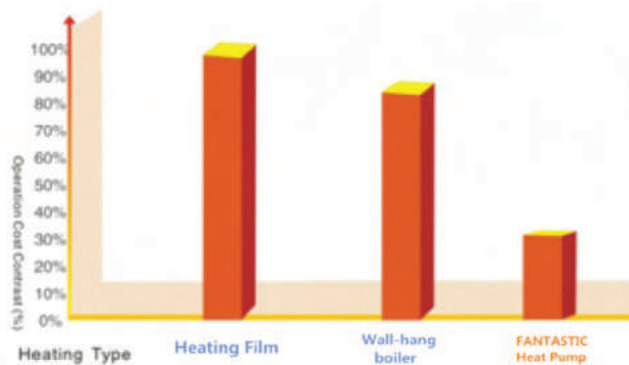
Wide Heating Capacity Range

The heating capacity of Kolme air source heat pump is up to 210 kW and larger.
Suitable for different size of project demands, no matter for household or commercial



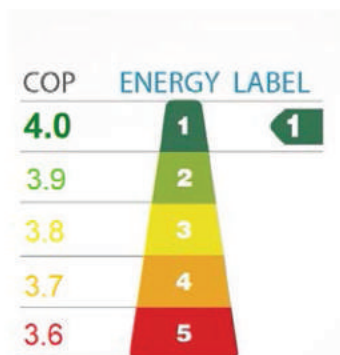
Energy-Saving, Save your money

Kolme advanced heat pump technology can realize low operation cost. Electricity cost is only 75% of electric water heater.



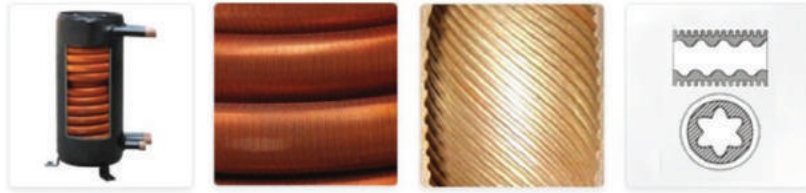
High efficient

As good quality and high efficient components, Kolme air to water heat pump has high energy saving performance, which make COP as high as 4.0



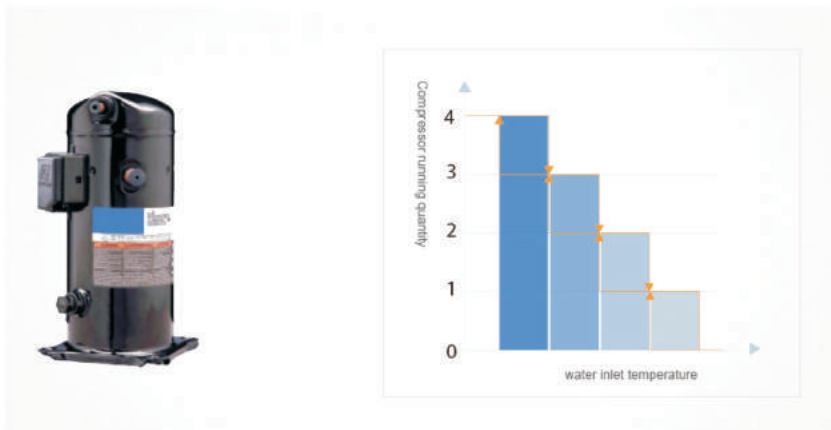
Kolme Spiral Type High Efficient Heat Exchanger

Kolme spiral type high efficient heat exchanger is with increased heat exchanger area to improve the heat transfer ability and evenly distribute over the surface of the copper, reducing water film, and improving efficiency.



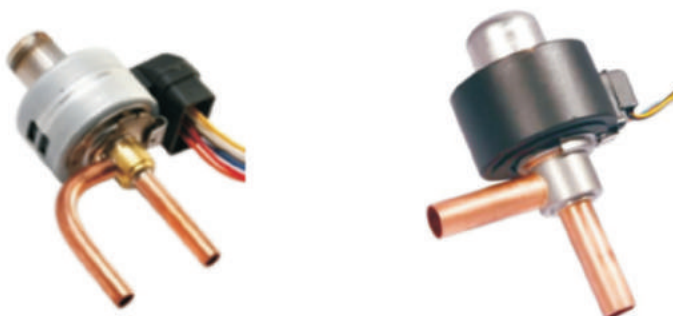
Lower operation cost than traditional heat pump

Kolme heat pump has precise energy stage settings ensures the working unit to achieve the desired energy saving efficient . Heat pump will change compressor using quantity as the real heat required by water inlet temperature .when need higher heating load , it will use full compressor quantity , when water temperature close to target set temperature , it need lower heating load,then will off some compressor and just use the compressor quantity as the real heat load.



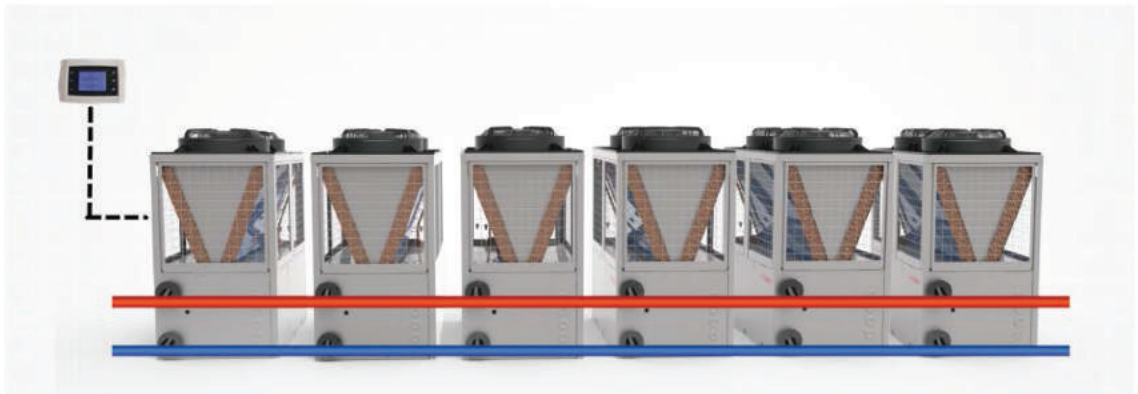
Electronic Expansion Valve

Wider working temperature range, faster and more accurate refrigerant flow control than capillary and mechanical expansion valve. Best choice to achieve higher efficiency and energy-saving.



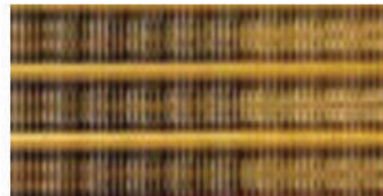
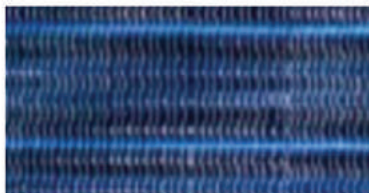
Centralized Control

Kolme air to water heat pump can be control up to 16 units of heat pump at the same time by one controller comes equipped with centralized control that makes temperature adjustment and failure review much easier and more practical. By incorporating the master-slave control into the design, the whole units can work together with higher efficiency without interfered by any failure of the slave unit during operation.

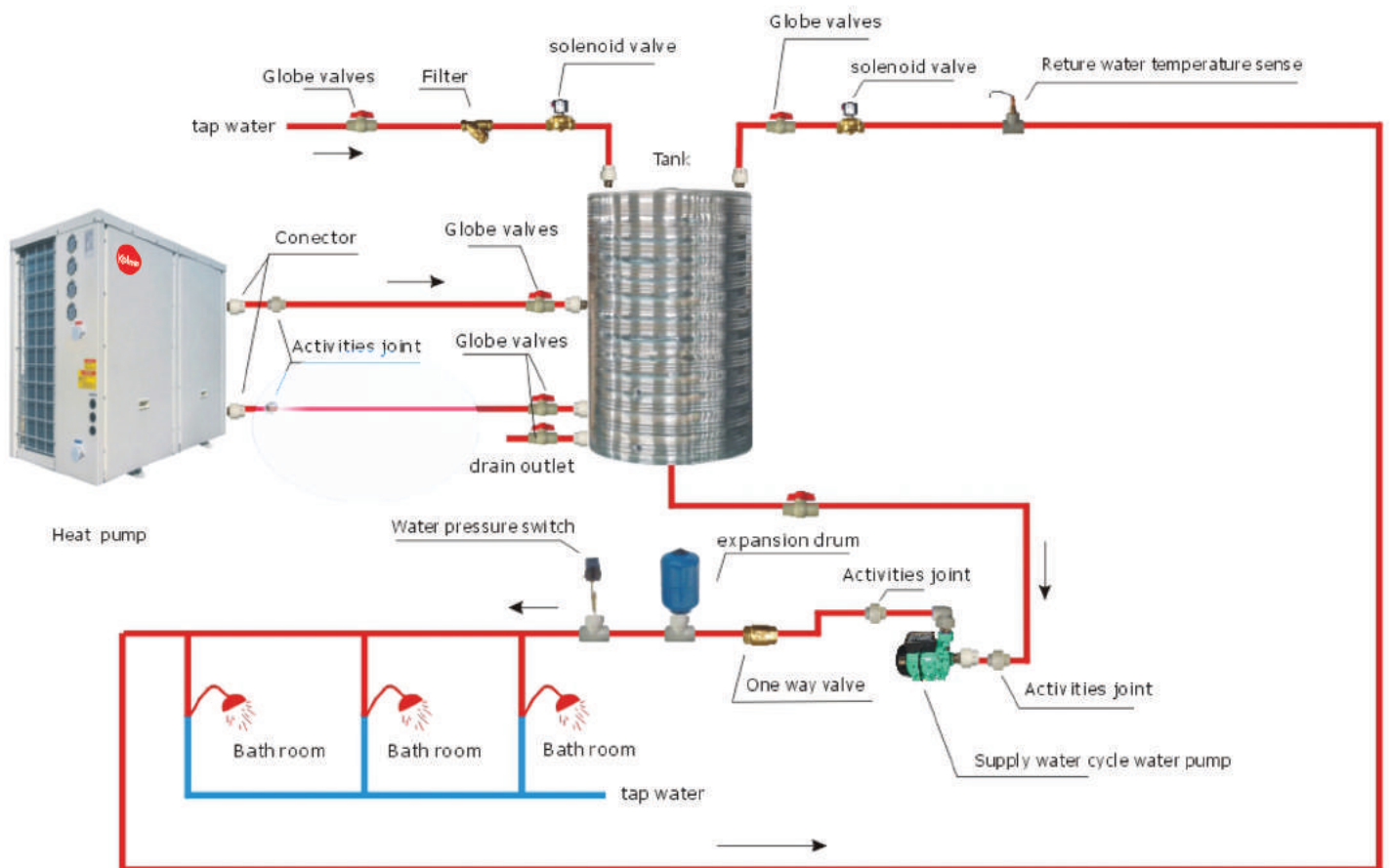


Hydrophilic Fin Heat Exchanger

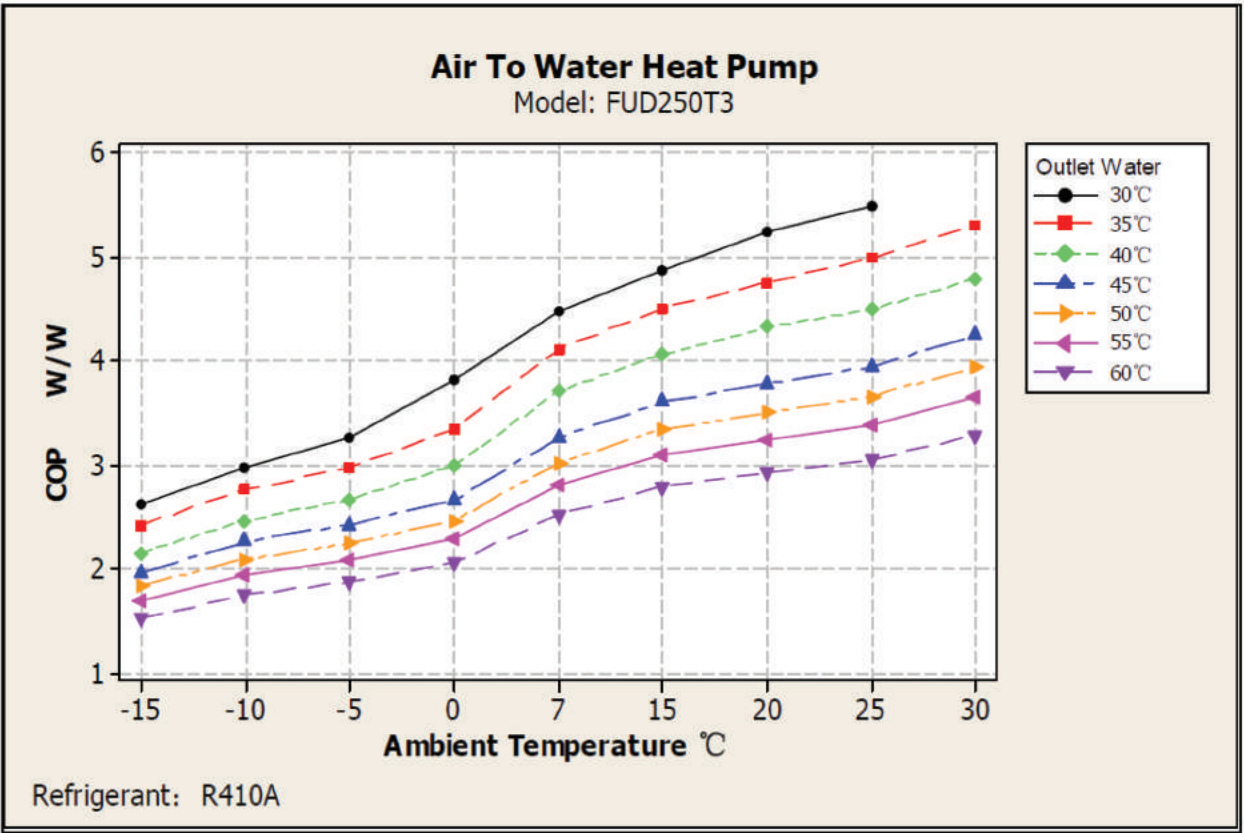
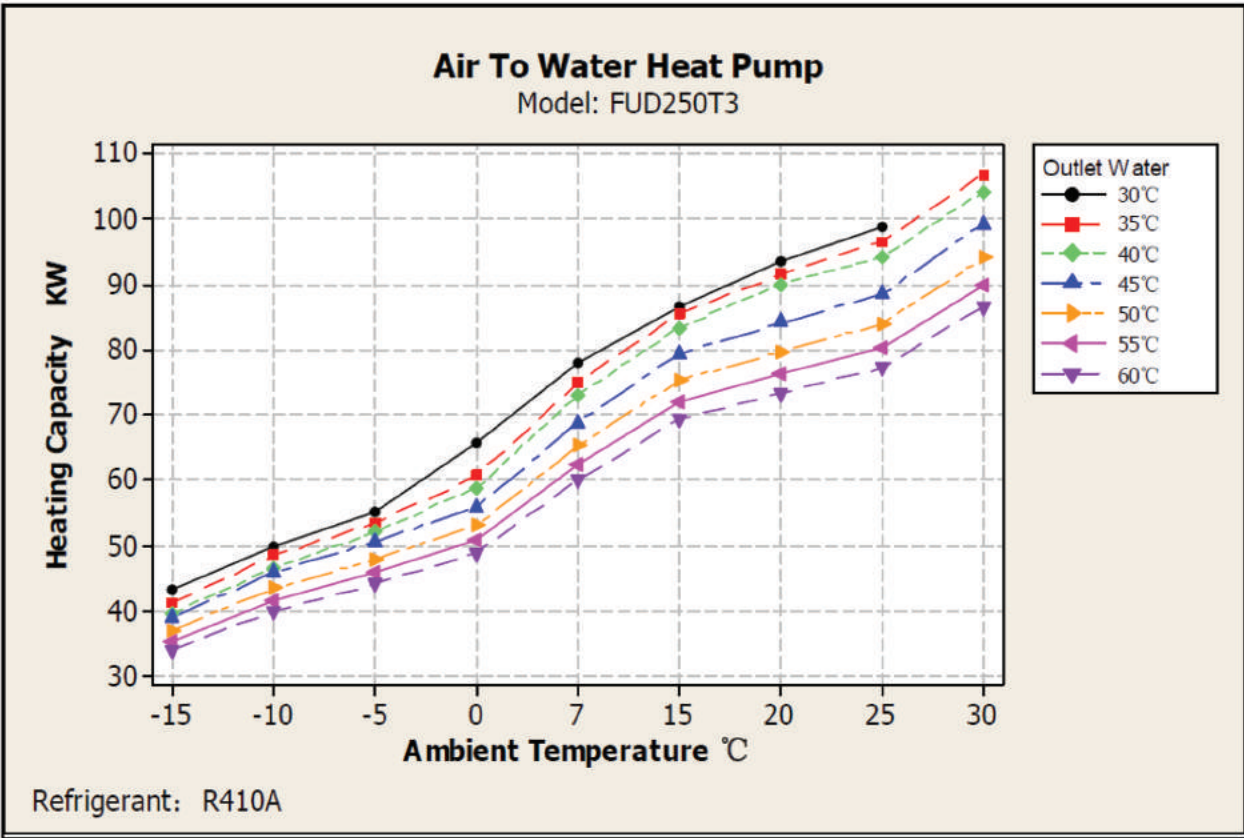
2 kinds of fin heat exchangers can be opted, including the golden hydrophilic fin heat exchanger, blue hydrophilic fin heat exchanger.



Installation Drawing



Performance Data(for model FUD250T3 as example)



Thank you

since 2002

RELIABLE, PROFESSIONAL, EFFICIENT, FANTASTIC SERVICE



Kolme ENERGY SAVING EQUIPMENT

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