



KRAFTWERK EVI Series Heat Pump Solutions

For Heating, Cooling and Sanitary Hot Water

Ambient Temp. Range -30°C to 45°C

R410A+EVI

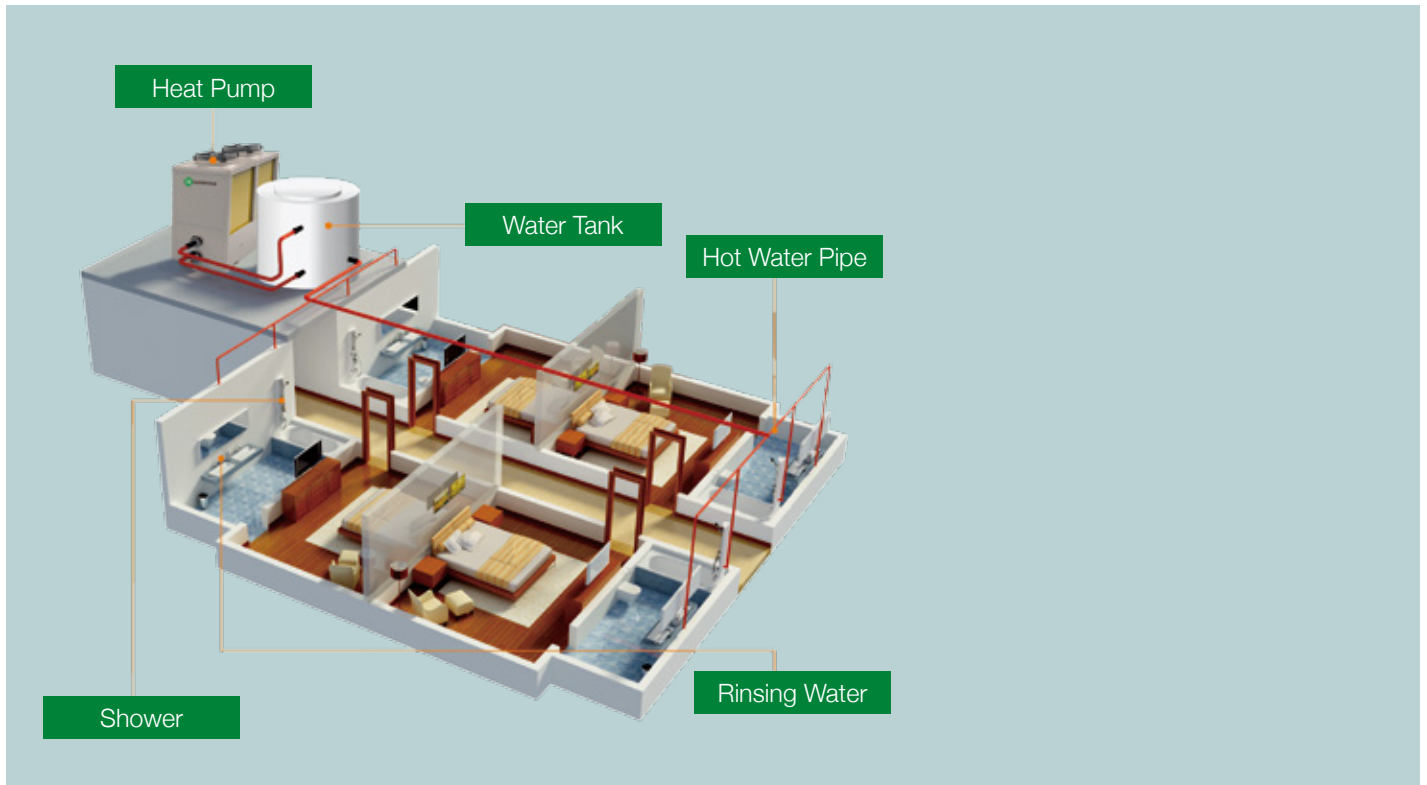
Higher reliability;
Increased heating capacity;
Up to 65°C water outlet;
Best seasonal efficiency.



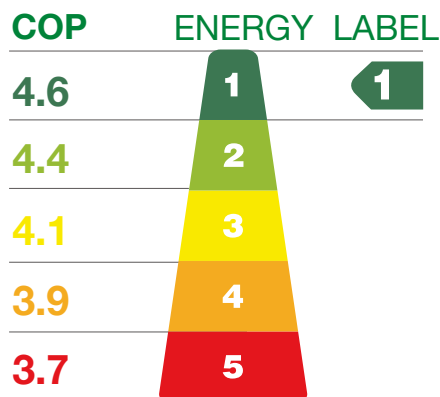
Wide Applications

Commercial Hot Water Supply:

Hotels, Hospitals, SPA, Holiday Center.



Dedicated Heat Pump Technology

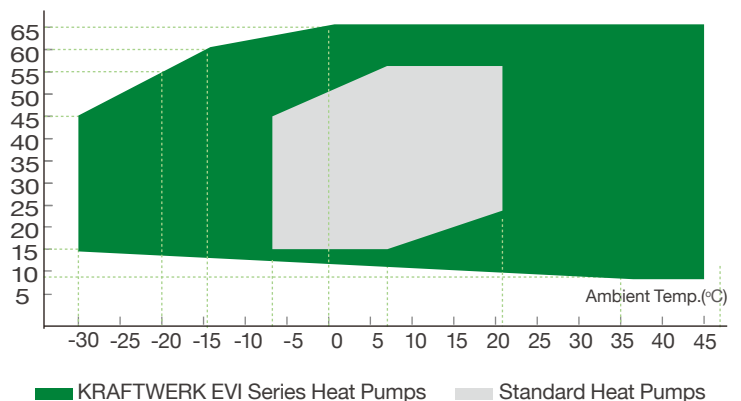


GB29541-2013

High COP

Adopting R410A refrigerant and circulating heating method, KRAFTWERK EVI Heat Pump is able to keep its COP as high as 4.67.

Outlet Water Temp.(°C)

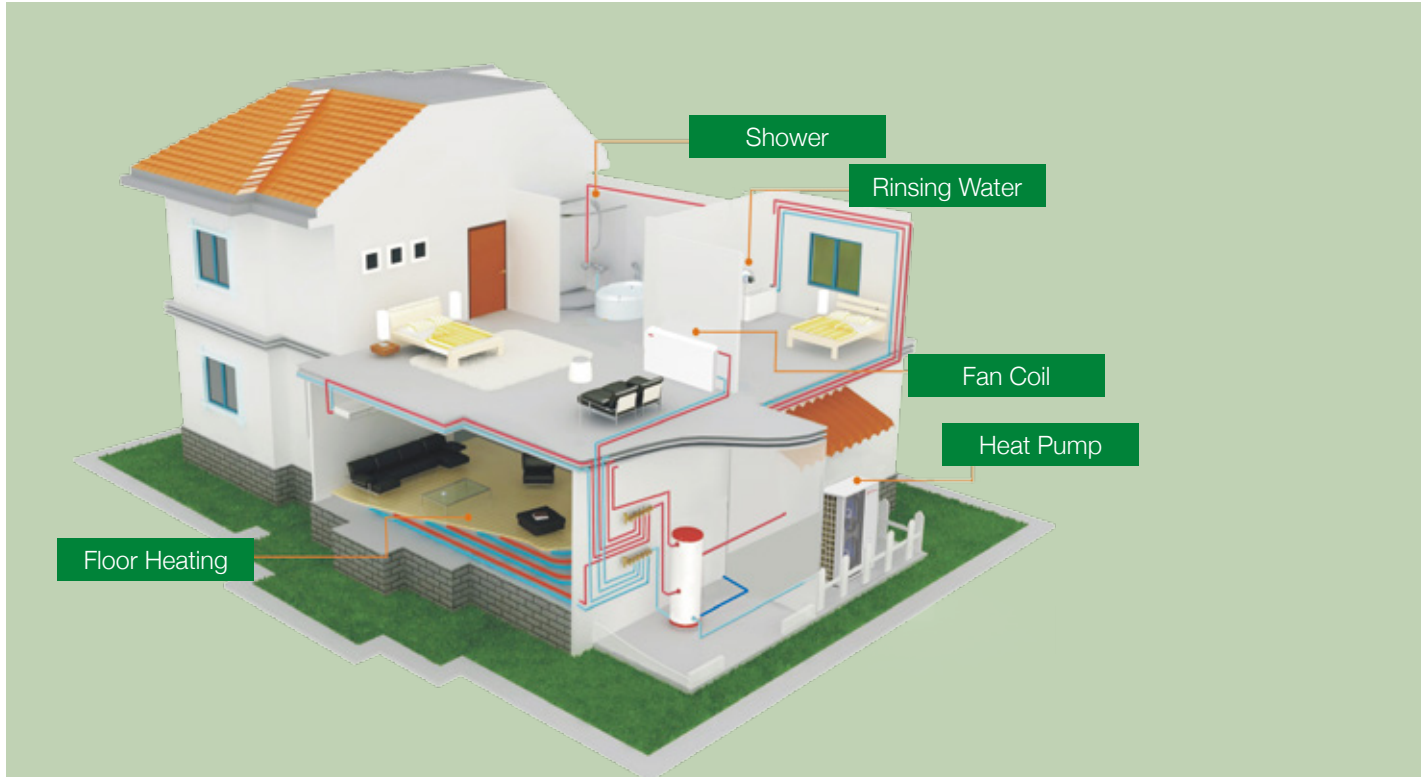


Water Temp. up to 65 oC

Thanks to EVI technology, KRAFTWERK EVI Series features a wide operating temp. range. It means they can reach high water temp.(55-65°C) even in cold climate ranging from -20°C to 45°C, and can work safely and reliably at ambient temp. as low as -30°C with Wet Injection technology.

Residential Hot Water/Heating:

Houses, Apartments, Villas.



COPELAND R410A EVI

- Axial and radial compliance for high reliability
- EVI technology :
25% further heating capacity
10% higher heating COP
- Tandem combination for superior seasonal efficiency



SUPERHEAT MANAGEMENT

- TEV increases heating capacity and extend the operation life
- EEV increases COP and limit the discharge temp. under safe level
- Less defrosting time and more energy-saving;



RELIABLE HEAT EXCHANGER

- No freezing off even powered off for 20hs at -30°C
- Patented heat exchanger for R410A
- Overall insulation with low heat loss
- Monobloc design; Save space

Parameters



Model	KA-EVI	10	16	30	42	84
Hot Water Condition A20°C/15°C, W15°C to 55°C	Heating Capacity(kW)	12.4	19.0	36.5	50.0	100.0
	Power Input(kW)	2.65	4.1	7.8	10.8	22.0
	COP(W/W)	4.68	4.63	4.67	4.63	4.55
	Hot Water(L/h)	267	400	800	1075	2150
*Heating Condition A7°C/6°C, W50°C/ 55°C	Heating Capacity(kW)	10.5	15.9	31.4	43.0	86.0
	Power Input(kW)	3.48	5.3	10.6	14.5	29.0
	COP(W/W)	3.01	2.96	2.96	2.97	2.97
**Heating Condition A7°C/6°C, W30°C/ 35°C	Heating Capacity(kW)	10.3	15.7	31.1	42.0	84.0
	Power Input(kW)	2.26	3.47	7.4	10.0	20.0
	COP(W/W)	4.54	4.53	4.20	4.20	4.20
**Cooling Condition A35°C/24°C, W12°C/7°C	Cooling Capacity(kW)	6.76	11.5	18.0	27.3	59.0
	Power Input(kW)	2.60	4.0	7.5	10.6	21.9
	EER(W/W)	2.60	2.88	2.40	2.58	2.69
Max. Power Input	kW	4.2	6.0	12.0	20.8	41.5
Max. Current	A	19.1	8.8	19.0	37.0	74.0
Power Supply	V/Ph/Hz	200~240V/1/50Hz		380~415V/3N~/50Hz		
Compressor Type	/	Gree EVI Rotary		Copeland R410A EVI Scroll		
Compressor Quantity	/	1	1	2	1	2
Fan Quantity	/	1	2	2	1	2
Fan Motor Input	W	140	140 x 2	300 x 2	1100 x 1	1100 x 2
Water Flow Volume	m ³ /h	1.8	2.6	5.2	8.5	17
Water Pressure Drop	kPa	15.0	60.0	53.0	60.0	65.0
Suggested Water Temp Differential	°C	5	5	5	5	5
Water Connection	inch	1	1	1.5	2	DN80 Flange
Noise	dB(A)	60	60	65	71	73
Air Discharge Type	/	Horizontal			Vertical	
Refrigerant Type	/	R410A				
Operation Range	°C	-30~45				
Condenser	/	Patented Tube in Shell Heat Exchanger				
Suggested Water Temp.	°C	60				
Max. Water Temp.	°C	65				
Net Weight	kg	102	143	331	475	778
Gross Weight	kg	113	159	366	500	843
Net Dimensions(L/W/H)	mm	960/445/910	980/390/1280	1556/605/1850	1413/845/2000	2180/1080/2100
Shipping Dimensions(L/W/H)	mm	1010/490/1050	1050/430/1400	1630/700/2010	1490/900/2160	2260/1130/2260
Qty per 20ft/40ft	pcs	44/96	27/55	10/21	7/15	4/10