

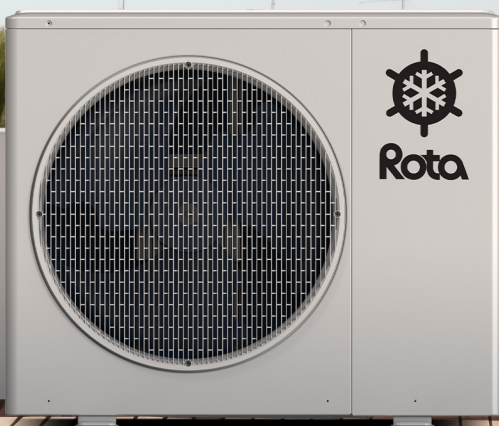
EMBRACE EARTH'S ENERGY

Heat Pump

Monoblock



Features



With daily & weekly programming and solar photovoltaic applications,

One system, year-round control



All Dc Inverter Design
Realize Energy Saving



High
Efficiency



R32
Environmental
Refrigerant



Maximum 65°C
Water Temperature



ECO ve AUTO
Mode



Wide Capacity
Range (8~16kw)



Easy Data Transfer
via USB.



Energy Consumption
(Calculation Value)
Display



Up to 96 kW
capacity with
6 cascades



Legionella
Mode

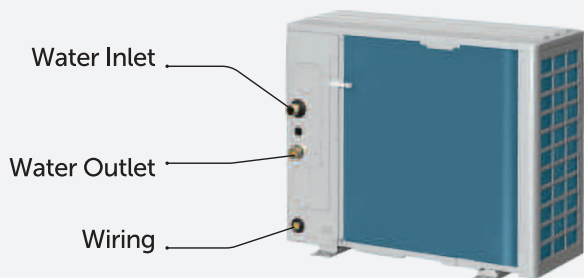


Features



Easy Installation

Refrigerant piping is not required



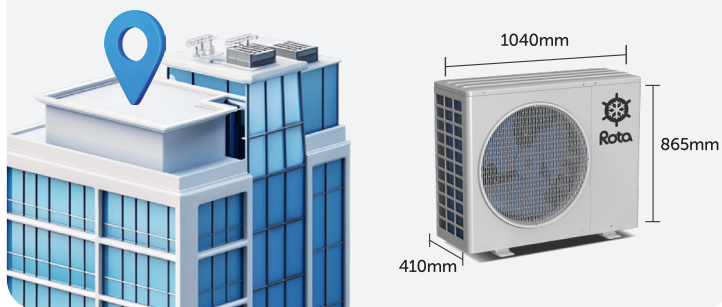
Easy Transportation

Single unit size 0.4m³



Space Saving

Small size with great power covers an area of only 0.4m²



External Electric Heater

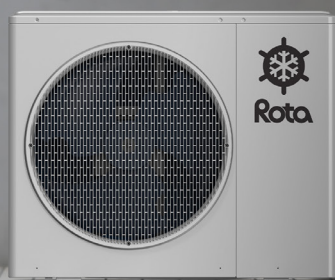


Enhance Capacity for Heating System

Power Supply	(V/Ph/Hz)	380-415/3/50			220-240/1/50	
Capacity	kW	4.5	6	9	3	4.5



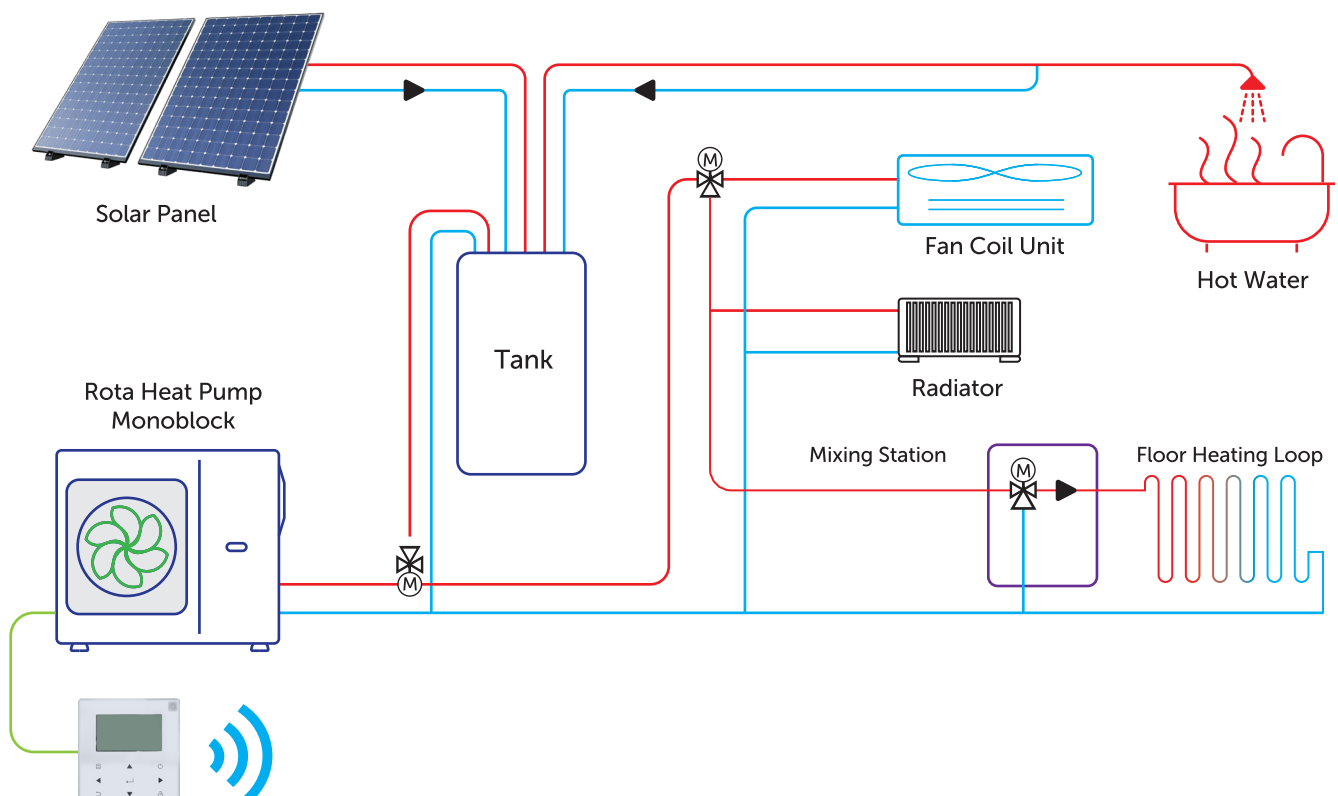
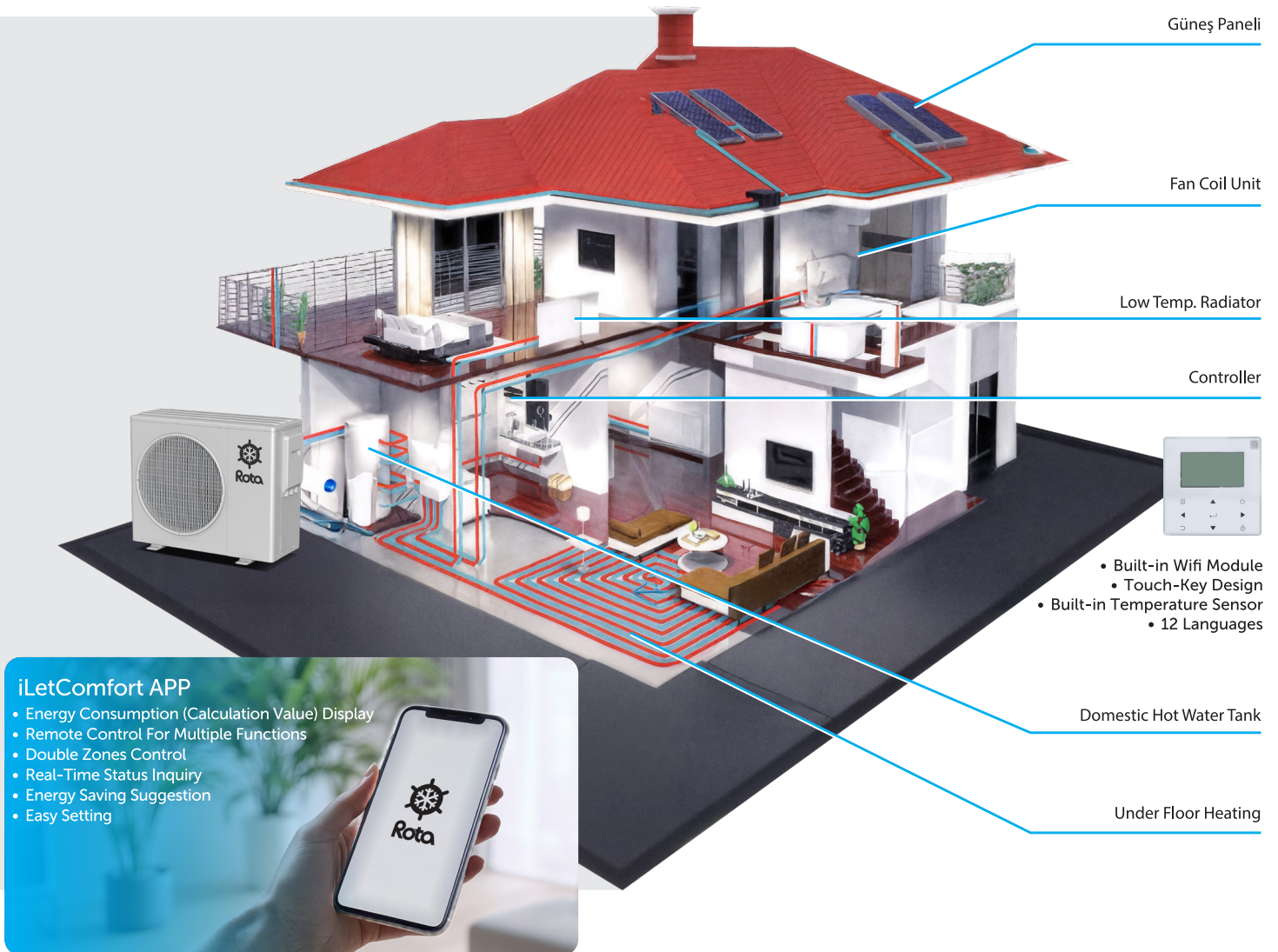
POWER YOUR HOME WITH
NATURE'S FLOW



Application

A complete, All-Year-Round Solution

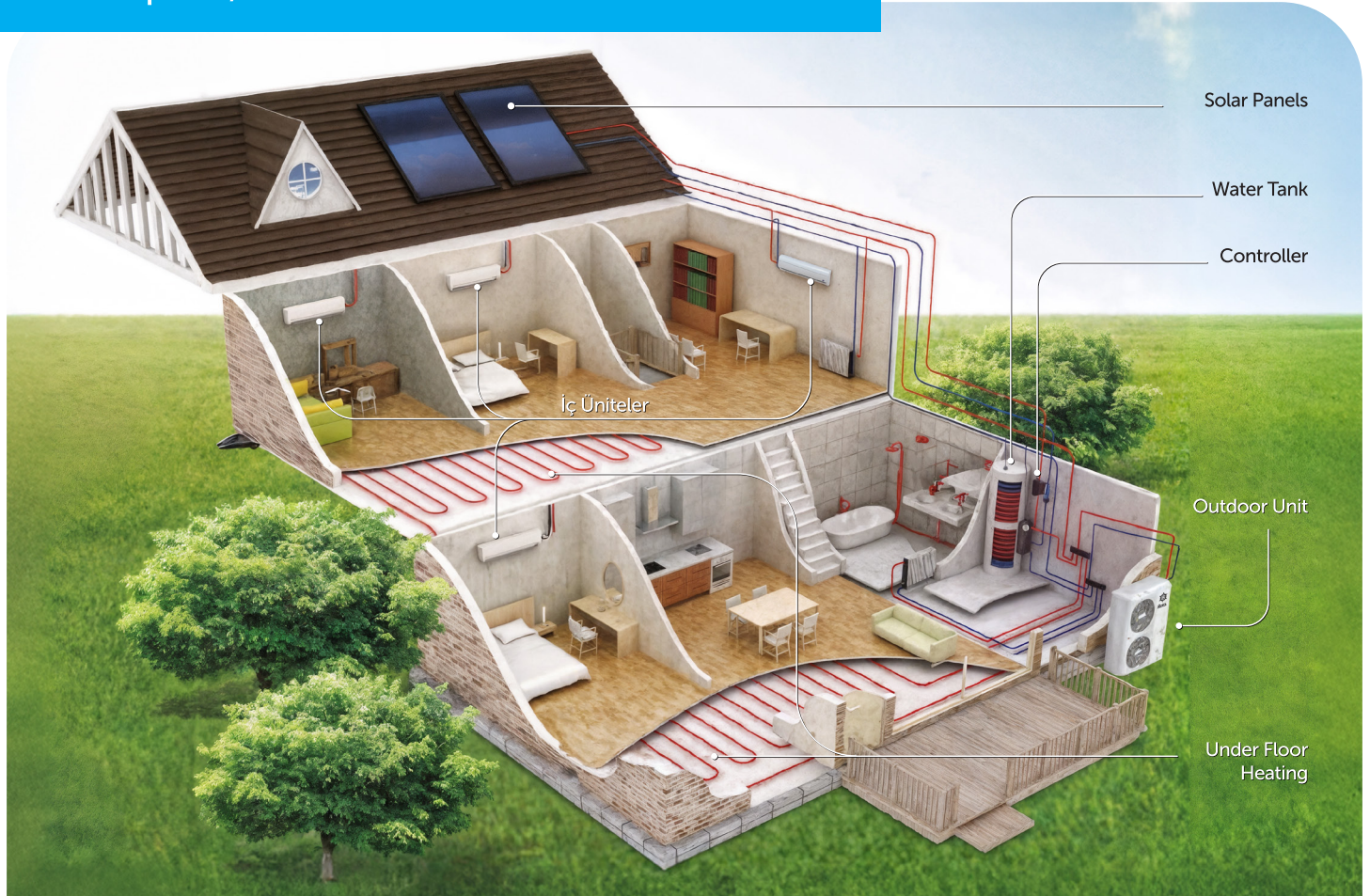
- Space Cooling
- Space Heating
- Domestic Hot Water





Application

A complete, All-Year-Round Solution



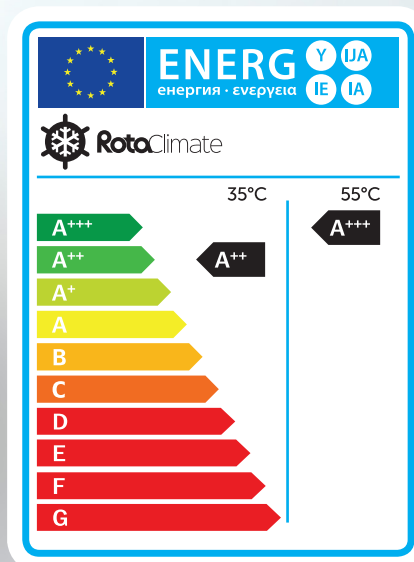
• Domestic Hot Water



• Space Heating



• Space Cooling



RotaClimate HP series offers flexibility in that its hydraulic components can be installed either indoors or outdoors. In the RotaClimate HP-Mono model, the hydronic components are integrated into the outdoor unit.

This provides the advantage of easy and practical installation, offering more flexibility and alternative solutions in mounting.

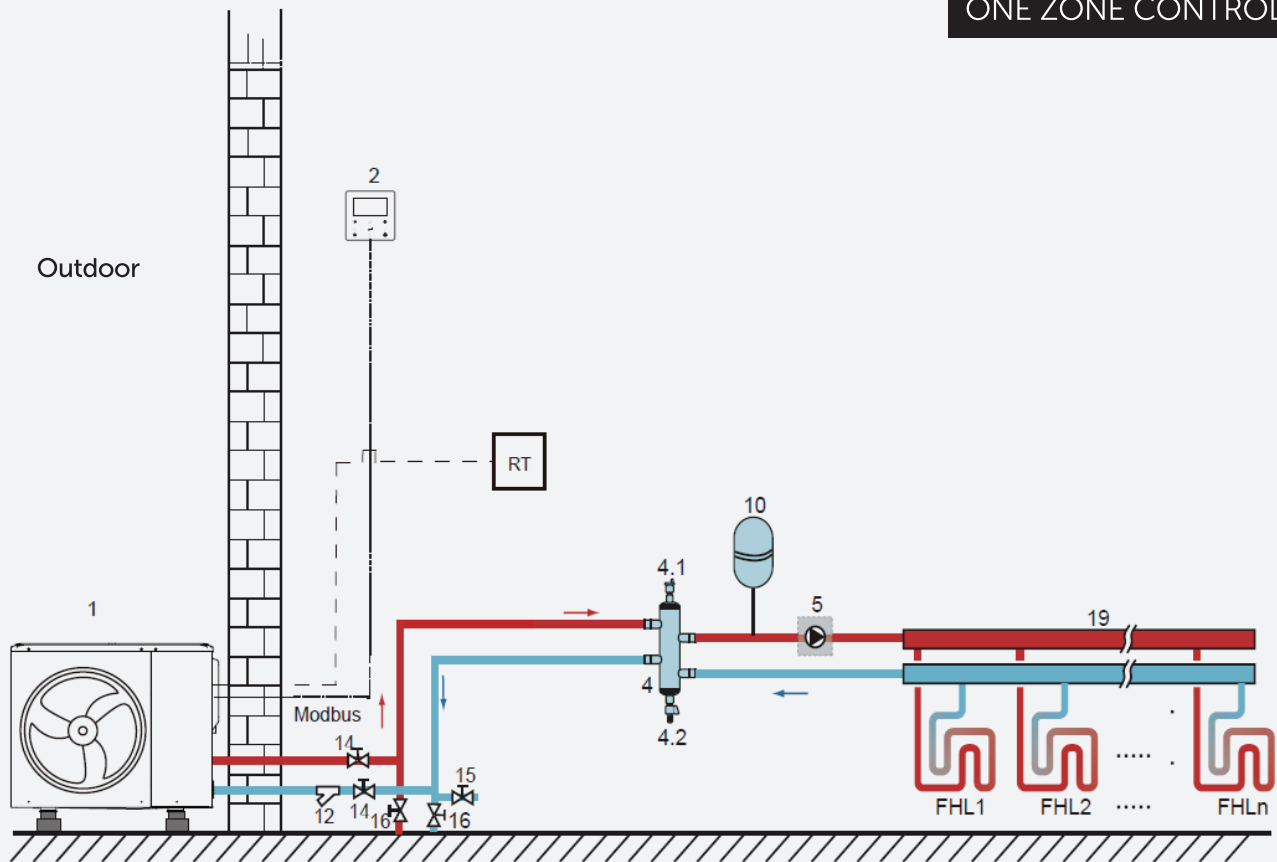
It has an A+++ class in energy efficiency and makes a significant contribution to reducing environmental impacts.

Application

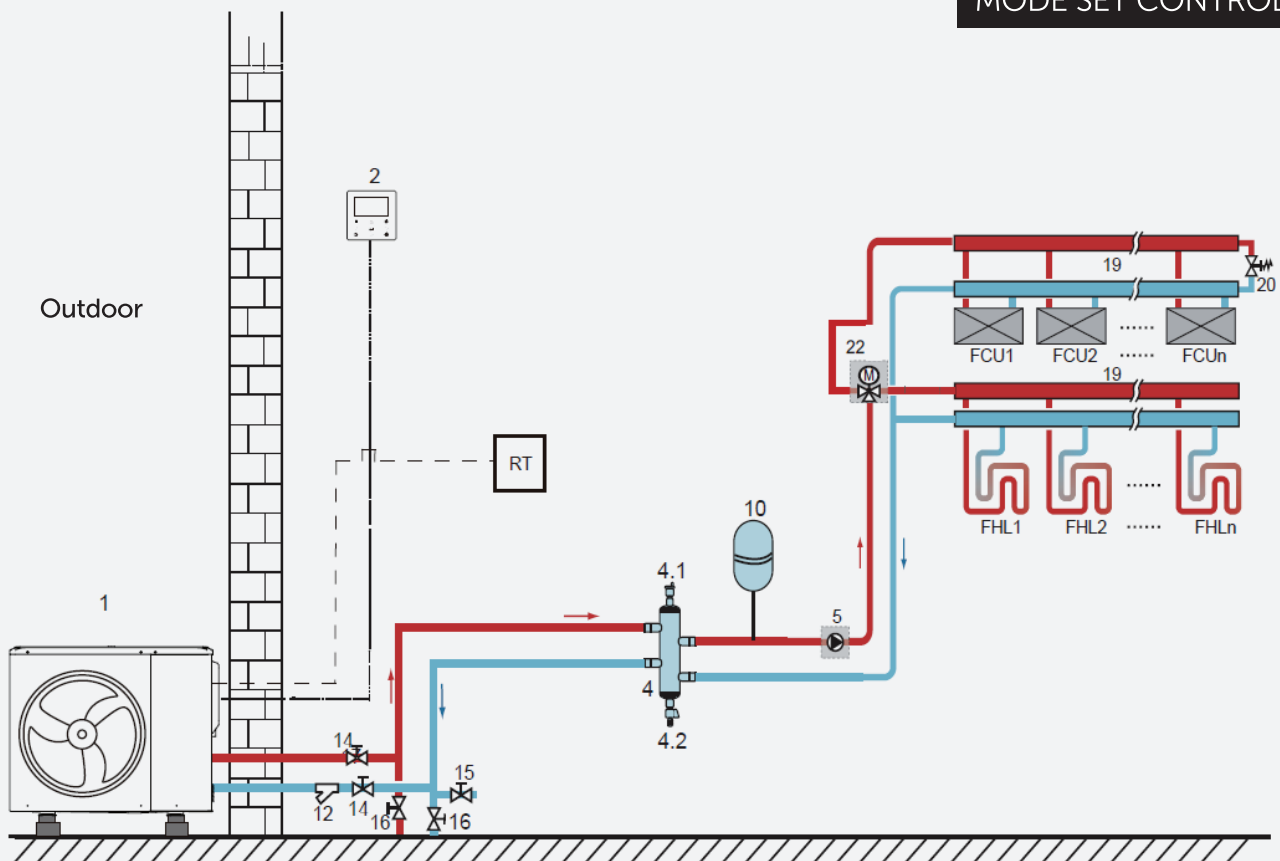
Control Chart



ONE ZONE CONTROL



MODE SET CONTROL

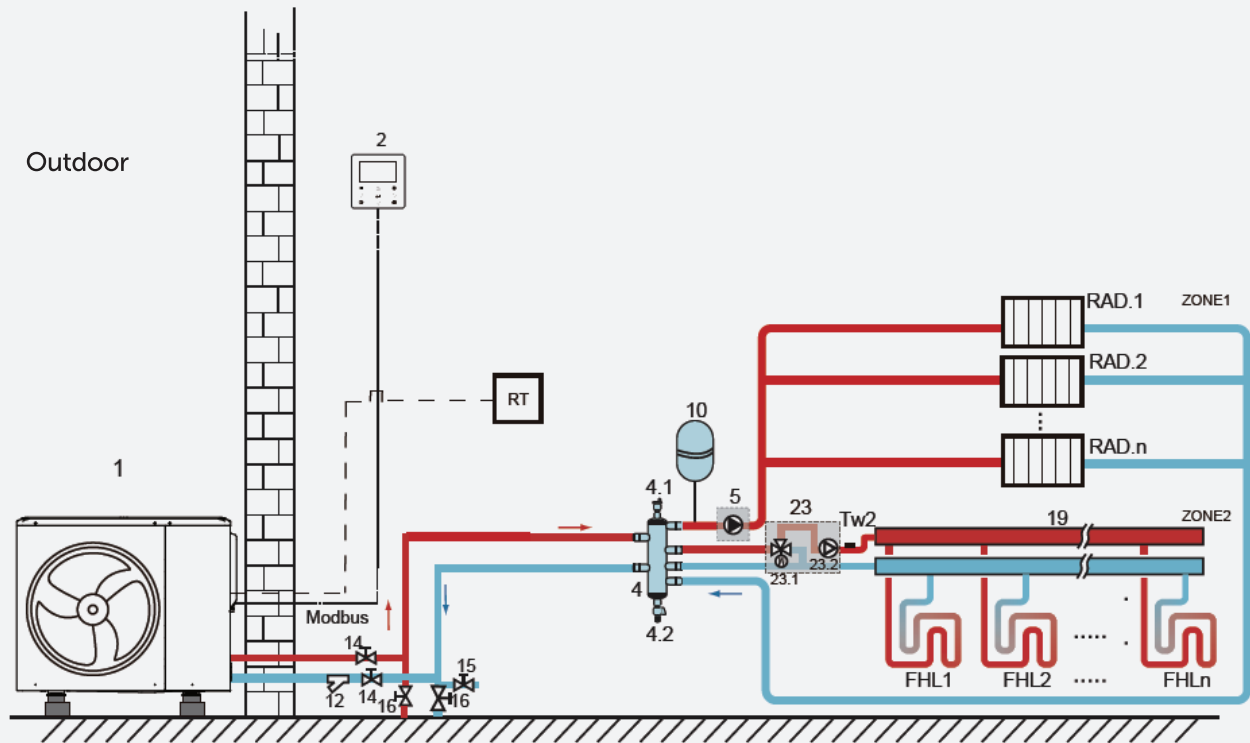


Application

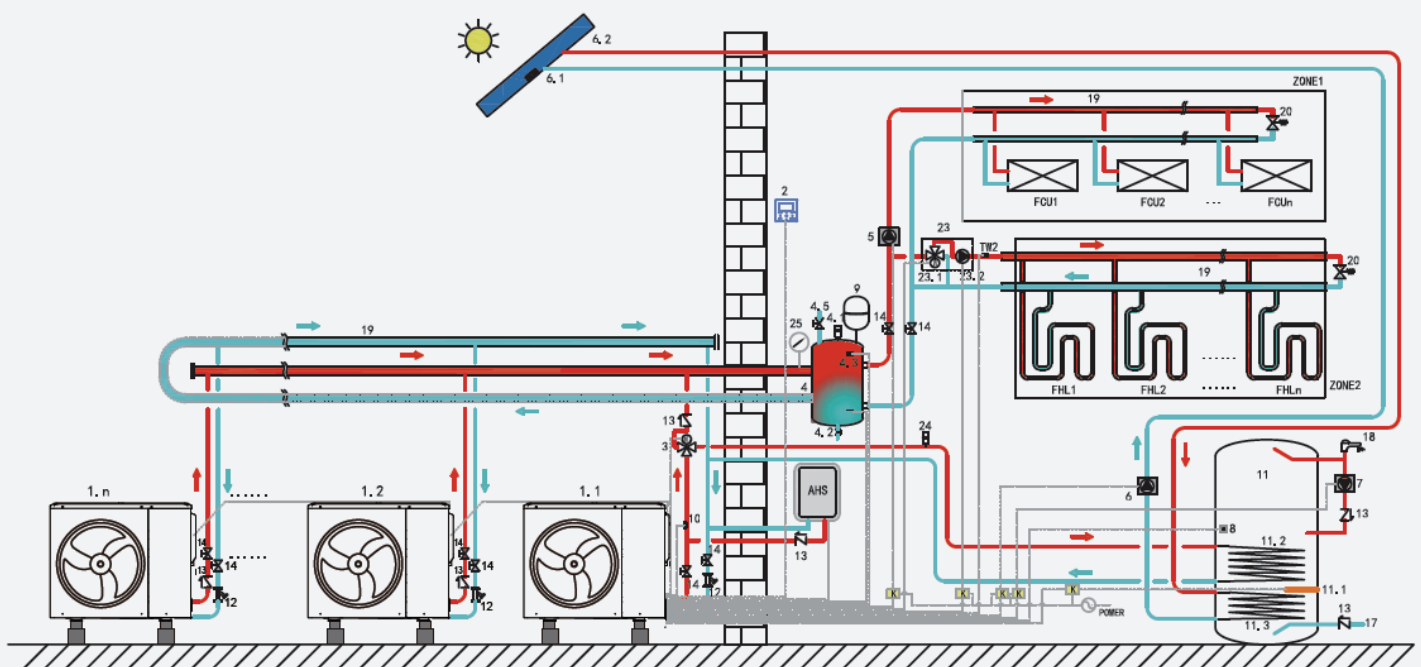
Control Chart



DOUBLE ZONE CONTROL



CASCADE SYSTEM





Heat Pump Monoblock

MODEL			ROTA HP-MB 8	ROTA HP-MB 10	ROTA HP-MB 12	ROTA HP-MB 16
Power supply(V/Ph/Hz)			220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Heating A7W35	Capacity	W	8400	10000	12200	16000
	Rated input	W	1663	2128	2490	3556
	COP		5,05	4,70	4,90	4,50
Heating A7W45	Capacity	W	8500	10200	12500	16200
	Rated input	W	2237	2795	3378	4696
	COP		3,80	3,65	3,70	3,45
Heating A7W55	Capacity	W	8200	9400	12000	16000
	Rated input	W	2603	3032	4000	5614
	COP		3,15	3,10	3,00	2,85
Heating A2W35	Capacity	W	7100	8200	12300	14500
	Rated input	W	1797	2158	3417	4462
	COP		3,95	3,80	3,60	3,25
Heating A2W45	Capacity	W	7500	8500	12000	14300
	Rated input	W	2459	2881	4138	5296
	COP		3,05	2,95	2,90	2,70
Heating A2W55	Capacity	W	7600	8400	12000	13500
	Rated input	W	2815	3170	5106	5870
	COP		2,70	2,65	2,35	2,30
Heating A-7W35	Capacity	W	7100	8000	11600	13500
	Rated input	W	2254	2667	4070	5000
	COP		3,15	3,00	2,85	2,70
Heating A-7W45	Capacity	W	6800	7400	11500	13500
	Rated input	W	2720	3083	4792	6000
	COP		2,50	2,40	2,40	2,25
Heating A-7W55	Capacity	W	6600	7200	10800	12800
	Rated input	W	3143	3512	5143	6244
	COP		2,10	2,05	2,10	2,05
Cooling A35W18	Capacity	W	8300	10000	12200	15400
	Rated input	W	1711	2326	2652	3667
	EER		4,85	4,30	4,60	4,20
Cooling A35W7	Capacity	W	7400	9000	11600	14000
	Rated input	W	2349	3103	3742	4828
	EER		3,15	2,90	3,10	2,90
Seasonal space heating energy efficiency class	Water outlet at	35°C	A+++	A+++	A+++	A+++
	Water outlet at	55°C	A++	A++	A++	A++
	Warmer climate	35°C	6,94	7,05	6,63	6,46
SCOP	Average climate	55°C	4,74	4,91	4,55	4,72
		35°C	5,18	5,12	5,08	4,84
	Colder climate	55°C	3,67	3,71	3,62	3,59
		35°C	4,44	4,44	4,30	4,35
		55°C	3,02	3,14	3,23	3,18
SEER	Water outlet at 7°C		5,19	5,08	5,07	5,11
	Water outlet at 18°C		8,09	8,31	7,79	7,49
	Heating A7W35	dB	63	65	70	72
Sound power level2	Heating max	dB	66	68	74	74
	Heating sllince mode 1	dB	61	63	66	67
	Heating sllince mode 2	dB	58	60	64	64
	Cooling A35W18	dB	63	65	69	71
	Cooling max	dB	66	68	74	74
	Cooling sllince mode1	dB	61	63	66	67
	Cooling sllince mode2	dB	58	60	63	64
Compressor	Type		DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary
	Type		DC motor	DC motor	DC motor	DC motor
Fan	Number		1	1	1	1
	Air flow	m3/h	4500	4500	5200	5200
Air side heat exchanger	Type		Fin coil	Fin coil	Fin coil	Fin coil
Throttle	Type		Electronic expansion valve			
Refrigerant	Type		R32	R32	R32	R32
	Charged volume	kg	1,25	1,25	1,80	1,80
Water side heat exchanger	Type		Plakalı	Plakalı	Plakalı	Plakalı
Rated water flow	m3/h		1,44	1,72	2,10	2,75
Water flow range	m3/h		0.40-1.65	0.40-2.10	0.70-2.50	0.70-3.00
Water pump	Type		DC	DC	DC	DC
	Maximum pump head	m	9	9	9	9
	Volume	L	5	5	5	5
Expansion vessel	Maximum working pressure	bar	8	8	8	8
Safety valve	MPa		0.3	0.3	0.3	0.3
Flow switch	m3/h		0.36	0.36	0.6	0.6
Water side connection			G1"BSP	G1"BSP	G5/4"BSP	G5/4"BSP
Unit dimension (W×H×D)	mm		865×1040×410	865×1040×410	865×1040×410	865×1040×410
Packing dimension (W×H×D)	mm		970×1190×560	970×1190×560	970×1190×560	970×1190×560
Net weight	kg		87	87	106	106
Gross weight	kg		103	103	122	122
Ambient temperature range	Cooling	°C	-5~43	-5~43	-5~43	-5~43
	Heating	°C	-25~35	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43	-25~43
Water setting temperature range	Cooling	°C	5~25	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65	25~65
	DHW	°C	20~60	20~60	20~60	20~60

The manufacturer reserves the right to make changes to product specifications without prior notice.
Our company is not responsible for typographical errors in the catalog.
Energy values may vary by region.

06/2025

1.The above data test reference standard EN14511; EN14825; EN50564; EN12102; (EU) No:811/2013; (EU)No:813/2013; OJ 2014/C 207/02.
2.Sound power test condition: EN12102-1



RotaClimate



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