



Outdoor Unit			TATP-12HMDA1
Power supply		V/Ph/Hz	220~240/1/50
Performance data			
Rated Heating *1	Capacity	kW	12,20
	Power input	kW	2,44
	COP	kW/kW	4,96
Rated Cooling *2	Capacity	kW	11,70
	Power input	kW	4,25
	EER	kW/kW	2,75
Heating *3	Capacity	kW	12,00
	Power input	kW	3,86
	COP	kW/kW	3,11
Cooling *4	Capacity	kW	12,00
	Power input	kW	3,00
	EER	kW/kW	4,00
Seasonal space heating energy eff. Class (average climate general)	water outlet @ 35°C		A+++
	water outlet @ 55°C		A++
Max. power input		kW	9,20
Max. current input		A	35
Sound power level		dB(A)	64
Physical data			
Dimension (W×H×D)		mm	870×480×1060
Packing (W×H×D)		mm	980×545×1100
Net/gross weight		kg	87,0/95,0
Compressor	Brand		Panasonic
	Type		Rotary DC Inverter
	Model		9KD420ZBA21
	Poles		6
	Speed	rps	15-120
	Oil		FW68S/1000mL
Outdoor fan	Number of fans		1
	Air flow	m³/h	4650

1. The rated heating conditions: water flow 0.172m³/(h·kW), ambient temperature 7°C DB, water inlet/outlet temperature 30/35°C.
2. The rated cooling conditions: water flow 0.172m³/(h·kW), ambient temperature 35°C DB, water inlet/outlet temperature 12/7°C.
3. Heating condition: water flow 0.172m³/(h·kW), ambient temperature 7°C, water inlet/outlet temperature 40/45°C.
4. Cooling condition: water flow 0.172m³/(h·kW), ambient temperature 35°C, water inlet/outlet temperature 23/18°C.

Hydronic Modul			TATP-12HMDA1	
Power supply		V/Ph/Hz	220~240/1/50	
Leaving water temperature	Space heating	°C	25-65	
	Space cooling	°C	5-25	
	Domestic hot water	°C	40-60	
Max. power input		kW	3,09	
Max. current input		A	14	
Sound power level		dB(A)	43	
Dimension (W×H×D)		mm	420×270×790	
Packing (W×H×D)		mm	515×1045×350	
Net/gross weight		kg	38/43	
Water circuit	Piping connection Dia.	Outlet	mm	DN25
		Inlet	mm	DN25
	Safety valve		kPa	300
	Drainage pipe Dia.		mm	DN25
	Expansion tank	Volume	L	8
		Max. water pressure	kPa	800
		Pre pressure	kPa	150
	Water side heat exchanger	Type		Plate type
		Volume	L	1,18
	Water pump	Brand		shimge
Model			APM25-9-130	
Pump head		m	9	
Refrigerant circuit		Liquid side Dia.	mm	∅ 9.52
		Gas side Dia.	mm	∅ 15.88
Back-up E-heater	Power supply		V/Ph/Hz	230V/1Ph/50Hz
	Capacity		kW	3kW
	Max. power input		kW	3kW
	Max. current input		A	/
Piping connections				
Liquid pipe	Type		Flaring	
	Dia.(OD)	mm	∅ 9.52	
Gas pipe	Type		Flaring	
	Dia.(OD)	mm	∅ 15.88	
Max. piping length		m	30	
Max. height difference	Outdoor unit upside	m	20	
	Outdoor unit downside	m	20	
Refrigerant	Type		R32	
	Quantity	kg	1,84	
	Throttle type		EXV	
	Additional charge	g	Total pipe length - 15m *38g/m	
Ambient temperature range	Cooling	°C	-5-52°C	
	Heating	°C	-25-35°C	
	Sanitary hot water	°C	-25-43°C	
Water temperature range	Cooling	°C	5-25°C	
	Heating	°C	25-65°C	
	Sanitary hot water	°C	40-60°C	