



Outdoor Unit		V/Ph/Hz	TGTP-8HMDA1
Power supply		V/Ph/Hz	220~240/1/50
Performance data			
Rated Heating *1	Capacity	kW	5
	Power input	kW	1,13
	COP	kW/kW	4,4
Rated Cooling *2	Capacity	kW	4,5
	Power input	kW	1,66
	EER	kW/kW	2,7
Heating *3	Capacity	kW	5
	Power input	kW	1,56
	COP	kW/kW	3,2
Cooling *4	Capacity	kW	4,2
	Power input	kW	1,1
	EER	kW/kW	3,8
Seasonal space heating energy eff. Class (average climate general)	water outlet @ 35°C		A++
	water outlet @ 55°C		A++
Max. power input		kW	2,86
Max. current input		A	13
Sound power level		dB(A)	64
Physical data			
Dimension (W×H×D)		mm	935×702×382
Packing (W×H×D)		mm	975×770×435
Net/gross weight		kg	47/51
Compressor	Brand		Mitsubishi
	Type		Rotary DC Inverter
	Model		SVB140FVCMC
	Poles		6
	Speed	rps	10~130
	Oil		FW68S/350mL
Outdoor fan	Number of fans		1
	Air flow	m³/h	3200

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		V/Ph/Hz	TGHM-8HMDA1	
Power supply		V/Ph/Hz	220~240/1/50	
Leaving water temperature	Space heating	°C	25~60	
	Space cooling	°C	5~25	
	Domestic hot water	°C	40~60	
Max. power input		kW	3,6	
Max. current input		A	17	
Sound power level		dB(A)	45	
Dimension (W×H×D)		mm	490*910*340	
Packing (W×H×D)		mm	620*1105*425	
Net/gross weight		kg	47/55	
Water circuit	Piping connection Dia.	Outlet	mm	DN32
		Inlet	mm	DN32
	Safety valve		kPa	600
	Drainage pipe Dia.		mm	DN20
	Expansion tank	Volume	L	2
		Max. water pressure	kPa	800
		Pre pressure	kPa	150
	Water side heat exchanger	Type		Plate type
		Volume	L	0,658
	Water pump	Brand		wilo
Model			Para 25/9	
Pump head		m	9	
Refrigerant circuit		Liquid side Dia.	mm	Ø9,52
		Gas side Dia.	mm	Ø15,88
Back-up E-heater	Power supply		V/Ph/Hz	230V/1Ph/50Hz
	Capacity		kW	3kW
	Max. power input		kW	3kW
	Max. current input		A	13,6A
Piping connections				
Liquid pipe	Type		Flaring	
	Dia.(OD)	mm	Ø 9.52	
Gas pipe	Type		Flaring	
	Dia.(OD)	mm	Ø 15.88	
Max. piping length		m	20	
Max. height difference	Outdoor unit upside	m	10	
	Outdoor unit downside	m	10	
Refrigerant	Type		R32	
	Quantity	kg	1,1	
	Throttle type		EXV	
	Additional charge	g	(Total pipe length - 5) m *30g/m	
Ambient temperature range	Cooling	°C	-5~46°C	
	Heating	°C	-28~43°C	
	Sanitary hot water	°C	-28~43°C	
Water temperature range	Cooling	°C	5~25°C	
	Heating	°C	25~60°C	
	Sanitary hot water	°C	40~60°C	