



Outdoor Unit			TGTP-8HMDA1
Power supply		V/Ph/Hz	220~240/1/50
Performance data			
Rated Heating *1	Capacity	kW	8
	Power input	kW	1,95
	COP	kW/kW	4,1
Rated Cooling *2	Capacity	kW	6,5
	Power input	kW	2,32
	EER	kW/kW	2,8
Heating *3	Capacity	kW	8
	Power input	kW	2,5
	COP	kW/kW	3,2
Cooling *4	Capacity	kW	6,5
	Power input	kW	1,7
	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	4,2
Max. current input		A	19
Sound power level		dB(A)	66
Physical data			
Dimension (W×H×D)		mm	935×702×382
Packing (W×H×D)		mm	975×770×435
Net/gross weight		kg	55/58
Compressor	Brand		GMCC
	Type		Rotary DC Inverter
	Model		EKTF235D22UMT
	Poles		6
	Speed	rps	12~120
	Oil		POE/670mL
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				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
	Safty 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	Ø9.52
Gas pipe	Type			Flaring
	Dia.(OD)		mm	Ø15.88
Max. piping length			m	20
Max. height difference	Outdoor unit upside		m	10
	Oudoor unit downside		m	10
Refrigerant	Type			R32
	Quantity		kg	1,4
	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
	Sanitaru hot water		°C	40-60°C