

TRIOME MONOBLOCK SERIES HEAT PUMP (Single-Phase)

HP-RST-MF-10-TNK-130LT



The Triome Series is a next-generation heat pump solution that brings together all comfort requirements of modern homes in a single unit. With the environmentally friendly R290 refrigerant, it provides eco-conscious and highly efficient heating, cooling, and domestic hot water production. Its integrated 130-liter hot water tank ensures constant availability of comfortable hot water while eliminating the need for additional equipment thanks to its compact design. With its advanced system architecture, energy savings, quiet operation, and high performance are combined in one device.

At the heart of the Triome Series is a motorized three-way valve that automatically manages the transition between heating/cooling circuits and domestic hot water circuits, ensuring maximum efficiency and uninterrupted comfort. Full DC inverter compressor technology optimizes energy consumption, while the intelligent control system offers users a dynamic and intuitive experience. The touchscreen interface allows easy management of temperature and mode settings. With its high performance, natural efficiency, and aesthetic design, the Triome Series establishes a new standard of comfort in residential settings by combining three functions in a single unit.



Cooling



Heating



Hot Water

Product Features



Energy Class



Refrigerant



Economical



Remote Control



SG-READY



All in One Device



High Efficiency



Full DC Inverter Technology



Automatic Outlet Water Temperature

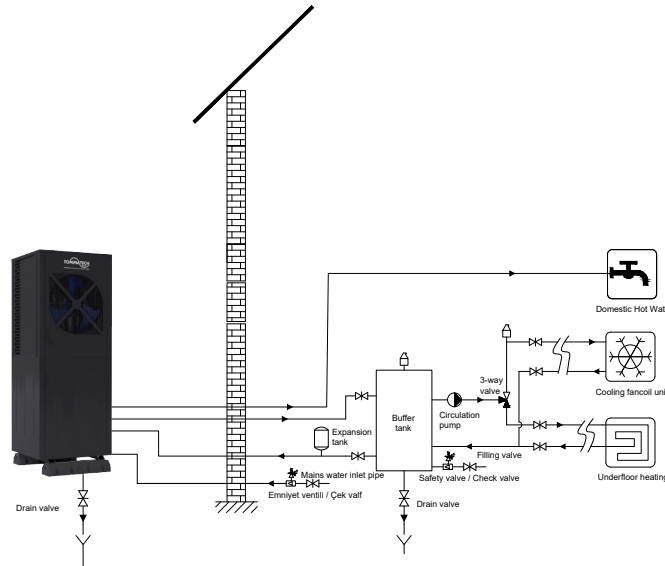


Low Noise Level



Cascade System (8 Units)

Wiring Diagram



Modell	HP-RST-MF-10-TNK-130LT
Refrigerant	R290
Heating Condition - Ambient Temp.(DB/WB): 7/6°C, Water Temp.(In/Out): 30/35°C	
Heating Capacity Range (kW)	3.50~10.00
Heating Power Input Range(kW)	0.67~2.30
COP Range	4.35~5.25
DHW Condition- Ambient Temp.(DB/WB): 7/6°C, Water Temp.(In/Out): 50/55°C	
Heating Capacity Range (kW)	3.20~9.20
Heating Power Input Range(kW)	0.91~3.26
COP Range	2.82~3.50
Cooling Condition - Ambient Temp.(DB/WB):35/24°C, Water Temp.(In/Out):12/7°C	
Cooling Capacity Range (kW)	2.50~7.00
Cooling Power Input Range(kW)	0.71~2.55
ErP Level (35°C)	A+++
ErP Level (55°C)	A++
Sound pressure level (dB(A)) at 1 meter	43~52
Power supply	220-240V ~ 1Ph / 50Hz
Max. power input(kW)	4.6
Max. current (A)	20
Electric Heater Nominal Input (kW)	/
Fuse or circuit breaker (A)	25
Wire diameter mm ²	3*2.5
Diameter of pipe (mm)	1"
Water Flow(m ³ /h)	1.72
Water Pressure Drop (max) kPa	35
Net Weight (kg)	202
Body size(W*D*H) (mm)	691*735*1798
Packing size(W*D*H)(carton)	700x770x1815
IP Grade (Level of protection)	IPX4
Anti-electric shock Rate	I
Compressor	Twin Rotary Compressor
Air-Side Heat Exchanger	Finned Heat Exchanger
Water-Side Heat Exchanger	Plate Heat Exchanger
Circulation Pump	Frequency-Controlled Internal Circulation Pump
Fan Motor	DC Fan Motor
Expansion Vessel Volume (L)	/
Built-in Domestic Hot Water Tank	130L
Built-in 3-Way Valve	Internally motorized 3-way valve
Control Panel	PUNP Four-inch color screen
Operation Ambient Temp. (°C)	-25~43
Max. Outlet Water Temp.	75
Heating operating water temp. (°C)	25~75
Cooling operating water temp. (°C)	5~25
DHW operating water temp. (°C)	25~75