

MONOBLOCK TITAN SERIES HEAT PUMP (Single-Phase)

HP-RST-MF-009-N-M1

HP-RST-MF-013-N-M1

HP-RST-MF-016-N-M1



The TITAN Monoblock Heat Pump combines high energy efficiency, reliable performance, and easy installation in a compact system. Thanks to its monoblock design, no indoor unit is required, reducing both installation effort and space requirements.

Available in capacities from 6 kW to 16 kW, the series is ideal for residential applications. Full DC Inverter technology automatically adjusts output to demand, ensuring efficient and economical operation.

The TITAN Series achieves an A+++ energy efficiency rating and provides heating, cooling, and domestic hot water production. EVI technology ensures reliable operation at outdoor temperatures from -25°C to +43°C.

Equipped with environmentally friendly R32 refrigerant, a 7-inch LCD touchscreen, and integrated Wi-Fi control, the heat pump offers outstanding user convenience. Remote access, scheduling functions, intelligent fault diagnostics, and PV integration make the TITAN Series a future-ready solution. Its low-noise operation further enhances residential comfort.

Product Features



Cooling



Heating



Hot Water



Energy Class



Refrigerant



Economical



Remote Control



SG-READY



All in One Device



High Efficiency



Full DC Inverter Technology



Automatic Outlet Water Temperature



EVI Technology

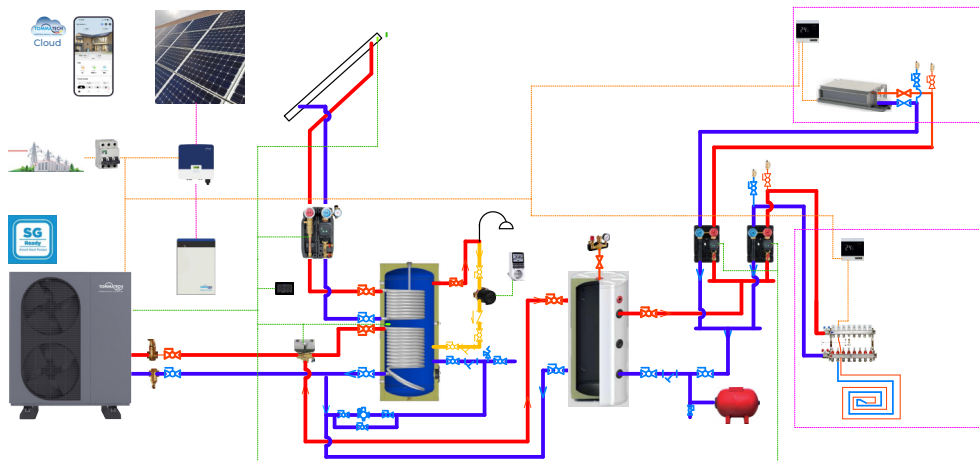


Low Noise Level



Cascade System (8 Units)

Wiring Diagram



Model	HP-RST-MF-009-N-M1	HP-RST-MF-013-N-M1	HP-RST-MF-016-N-M1
Refrigerant	R32		
Heating Condition - Ambient Temp.(DB/WB): 7/6°C, Water Temp.(In/Out):30/35°C			
Heating Capacity Range (kW)	4.52~9.40	4.52~12.60	4.81~15.88
Heating Power Input Range(kW)	0.89~2.03	0.89~2.74	0.81~3.91
COP Range	5.08~4.62	5.08~4.60	5.94~4.06
DHW Condition- Ambient Temp.(DB/WB): 7/6°C, Water Temp.(In/Out):50/55°C			
Heating Capacity Range (kW)	3.69~9.30	3.73~12.23	3.90~15.99
Heating Power Input Range(kW)	1.50~3.31	0.87~4.31	1.03~5.92
COP Range	2.46~2.81	2.35~2.84	3.79~2.70
Cooling Condition - Ambient Temp.(DB/WB):35/24°C, Water Temp.(In/Out):12/7°C			
Cooling Capacity Range (kW)	2.80~7.60	3.25~9.76	2.63~13.66
Cooling Power Input Range(kW)	1.10~2.22	0.87~3.74	0.59~4.81
ErP Level (35°C)	A+++		
ErP Level (55°C)	A++		
Sound pressure level (dB(A) at 1 meter)	50	45	47
Power supply	220-240V~/50Hz		
Max. power input(kW)	6.8(3.8+3)	7.7(4.7+3)	9.6(6.6+3)
Max. current (A)	31(17.3+13.7)	35.1(21.4+13.7)	42.4(28.7+13.7)
Electric Heater Nominal Input (kW)	3		9
Fuse or circuit breaker (A)	10A		
Wire diameter mm ²	6	10	
Diameter of pipe (mm)	G1 1/4"		
Water Flow(m ³ /h)	1,6	2,1	2,7
Water Pressure Drop (max) kPa	20	22	24
Net Weight (kg)	107	111	153
Body size(W*D*H) (mm)	1263x 440 x 875		1263x 440 x 875
Packing size(W*D*H)(carton)	1327x455x1020		1327x455x1020
IP Grade (Level of protection)	IP X4		
Anti-electric shock Rate	/		
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)	2	2	5
Built-in Domestic Hot Water Tank	/		
Built-in 3-Way Valve	/		
Control Panel	7 inch Colored Touch Screen		
Operation Ambient Temp. (°C)	-25~43		
Max. Outlet Water Temp.	60		
Heating operating water temp. (°C)	30~60		
Cooling operating water temp. (°C)	5~30		
DHW operating water temp. (°C)	20~60		