

DC Inverter Heat Pump for heating, cooling and DHW (R290)					
TOMMATECH Model		HP-TT-R290-MF-8.3	HP-TT-R290-TF-14.8	HP-TT-R290-TF-18.2	HP-TT-R290-TF-24
Heating Condition - Ambient Temp.(DB/WB): 7/6 °C, Water Temp.(In/Out): 30/35°C					
Heating Capacity Range (kW)		3.3~8.3	5.9~14.8	7.2~18.2	9.6~24.0
Heating Power Input Range (kW)		0.64~2.18	1.13~3.83	1.38~4.65	1.83~6.30
COP Range		3.81~5.17	3.86~5.22	3.91~5.22	3.81~5.24
DHW Condition - Ambient Temp.(DB/WB): 7/6 °C, Water Temp.(In/Out): 15/55 °C					
Heating Capacity Range (kW)		3.7~7.4	6.6~13.2	7.2~16.2	8.8~19.6
Heating Power Input Range (kW)		0.79~2.10	1.41~3.73	1.54~4.58	1.89~5.60
COP Range		3.52~4.69	3.54~4.67	3.54~4.67	3.50~4.66
Heated Water Output (L/H)		159	283	348	421
Cooling Condition - Ambient Temp.(DB/WB): 35/24 °C, Water Temp.(In/Out): 12/7 °C					
Cooling Capacity Range (kW)		2.4~5.8	4.3~10.8	5.6~14.1	6.9~17.0
Cooling Power Input Range (kW)		0.79~2.19	1.39~3.99	1.80~5.38	2.21~6.49
EER Range		2.65~3.04	2.71~3.10	2.62~3.11	2.62~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated Heat Output (kW)	5,82	10,27	12,17	15,96
	Seasonal Space Heating Energy Efficiency (ηs)	182,7%	180,8%	184,1%	186,0%
	Seasonal Space Heating Energy Efficiency (SCOP)	4,64	4,60	4,68	4,73
	ErP Level	A+++	A+++	A+++	A+++
	Sound Pressure Level (dB(A)) at 1 meter	44	44	41	42
	Sound Power Level (dB(A))	58	59	56	58
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated Heat Output (kW)	5,59	12,17	12,03	15,86
	Seasonal Space Heating Energy Efficiency (ηs)	136,0%	134,7%	141,0%	135,4%
	Seasonal Space Heating Energy Efficiency (SCOP)	3,48	3,44	3,60	3,46
	ErP Level	A++	A++	A++	A++
	Sound Pressure Level (dB(A)) at 1 meter	44	45	43	43
	Sound Power Level (dB(A))	58	59	58	58
Power Supply		230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
Max. Power Input (kW)		3,1	5,2	7,1	8,8
Max. Current (A)		14,2	9,8	13,5	14,8
Fuse or Circuit Breaker (A)		20	16	20	20
Wire Diameter (mm <sup>2</sup> )		2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
Diameter of Pipe (mm)		DN25	DN25	DN25	DN32
Water Flow (m <sup>3</sup> /h)		1,43	2,55	3,13	4,13
Water Pressure Drop (max) kPa		30	40	43	50
Net Weight (kg)		112	138	165	220
Body Size (W*D*H) (mm)		1084×470×814	1084×490×1064	1076×490×1376	1163×490×1576
Packing Size (W*D*H) (carton)		1110×495×925	1110×505×1175	1110×505×1485	1190×505×1690
Loading Quantity (carton)		48/96	22/92	22/46	19/43
Loading Quantity (plywood)		44/88	22/88	22/44	18/40
IP Grade (Level of Protection)		IPX4			
Anti-electric Shock Rate		I			
Refrigerant		R290			
Compressor	Brand	HIGHLY			
Water pum	Brand	SHIMGE			
Operation Ambient Temp. ( °C)		-25~43°C			
Operating Water Temperature ( °C)		28~65°C(DHW)			
Operating Water Temperature ( °C)		15~70°C(Heating)			
Operating Water Temperature ( °C)		7~35°C(Cooling)			

**Note:**

The above specifications are subject to change without prior notice for product improvement. For final parameters, please refer to the nameplate on the machine.