

Energy Reclaimed. Efficiency Redefined. Mammoth Topline-H.



Mammoth MWH Topline-H

Mammoth Topline-H water heaters recover waste heat from building systems and repurpose it to produce hot water—up to 160 °F—for space heating, reheat, or process applications. Designed for use in commercial, institutional, and industrial settings, these units reduce energy use by utilizing heat that would otherwise be lost, boosting efficiency across HVAC and process systems.

By reclaiming and reusing waste heat, Topline-H units lower energy consumption and cut greenhouse gas emissions. This helps reduce operating costs while supporting sustainability goals and green building initiatives. With Mammoth Topline-H, you get reliable performance and a smarter, more responsible approach to heating.

Rapid Payback. Sustainable Impact.

Mammoth Topline-H systems deliver both economic and environmental value by turning waste heat into usable energy. Through standard payback analysis, these units consistently demonstrate a short return-on-investment period, while also contributing to long-term sustainability goals.

Facilities benefit by:

- Recovering and reusing heat to reduce energy costs for water and space heating
- Replacing inefficient heating systems, cutting fossil fuel and electricity use
- Reducing the load on boilers and cooling towers, lowering operational and maintenance demands
- Decreasing carbon emissions, supporting green building standards and environmental compliance

With Mammoth Topline-H, efficiency isn't just smart—it's responsible.

Applications

Building & Facility Uses



Hotel



Hospital



University



Fitness
Centre

Process Application



Food
Processing



Textile
Industry



Paper Mills

HVAC Application



Space
Heating



Reheat and
Dehumidification



Outside Air
Heating



Service
Hot Water

Technical Specification

Modular Water Source Heat Pump		MWH020	MWH030	MWH040	MWH050	MWH060	MWH080	
Heating Capacity/Power Input	kW	61/19	92/29	122/38	165/47	185/54	240/75	
Heating Current	A	36	55	72	89	100	145	
Refrigerant Circuits		2	3	2	2	2	4	
Compressor	Type	Hermetic Scroll Type						
	Startup Method	Start Directly						
Electrical	Power Supply	380V/3N~/60Hz						
	Type	Shell & Tube HE						
	Water Flow	m ³ /h	7.2	11	14.4	20	22.5	28.8
Source Side	Water Pressure Drop	kPa	31	36	35	39	45	46
	Type	Shell & Tube HE						
	Water Flow	m ³ /h	10.5	15	20.9	28.3	31.8	42
Load Side	Water Pressure Drop	kPa	34	39	36	39	43	42
Operation control		Digital operation system, micro-processor full automatic control						
Protections		High pressure, low pressure, antifreeze, flow, etc						
Inlet and outlet pipe diameter		R 2"	R 2"	R 3"	R 3"	R 3"	R 4"	
Refrigerant	Type	R134a						
Overall dimensions (L * W * H)	mm	1930*685*995	2280*770*1410	2420*815*1628		2920*915*1700		
Unit Weight	kg	550	750	1010	1310	1610	2040	

	Unit	MWH100	MWH120	MWH150	MWH170	MWH190	
Heating Capacity/Power Input	kW	325/90	368/105	490/139	560/158	632/178	
Heating Current	A	175	200	265	305	344	
Refrigerant Circuits		4	4				
Compressor	Type	Hermetic Scroll Type					
	Startup Method	Start Directly					
Electrical	Power Supply	380V/3N~/60Hz					
	Type	Shell heat exchanger					
Source Side	Water Flow	m ³ /h	40	46	60	69	78
	Water Pressure Drop	kPa	48	49	55	58	61
	Type	Shell heat exchanger					
Load Side	Water Flow	m ³ /h	56	64	84	97	109
	Water Pressure Drop	kPa	44	45	45	47	52
Operation control		Digital operation system, micro-processor full automatic control					
Protections		High pressure, low pressure, antifreeze, flow, etc					
Inlet and outlet pipe diameter		R 4"	R 4"	R 5"	R 5"	R 5"	
Refrigerant Type		R134a					
Overall dimensions (L * W * H)	mm	2920*915*1700	2920*915*1700	4300*950*1900	4300*950*1900	4300*950*1900	
Unit Weight	kg	2630	3300	4000	4600	5200	

Standard water side design pressure is 1.0MPa;

Unit heating : inlet/outlet water temperature at source water side 18/13 °C, inlet/outlet water temperature at load side 55/60 °C;