

# AquaTech

Heat Pump with Centrifugal fans

*Temperature Control System for Swimming Pools*





# TECHNICAL SPECIFICATION

Model		WM024	WM036	WM060	WM090	WM120
Heating Capacity	kW	14.5	17.5	25	35	45
	BTU/h	49500	60000	85000	120000	150000
COP		5.6	5.7	5.6	5.6	5.5
Cooling Capacity	kW	8.5	11.5	17.5	25	35
	BTU/h	29000	40000	59000	86000	119500
EER		3	3	3	3	3
Power Supply	V/Ph/Hz	220-240/1/50	380-400/3/50			
Heating input power	KW	2.83	3.37	4.90	6.87	8.99
Cooling input power	KW	3.08	4.14	6.41	9.04	12.70
Heating input current	A	10.34	5.39	7.92	11.88	16.17
Cooling input current	A	11.88	5.61	8.47	12.32	18.92
Maximum power	KW	3.54	4.77	7.37	10.39	14.60
Isolator / Breaker size	A	20	25	32	32	40
Compressor type		Rotary	Scroll	Scroll	Scroll	Scroll
Compressor number		1	1	1	1	2
Expansion device		Electronic Expansion Valve				
Fan type		Low noise high efficiency Centrifugal type				
Fan nos		1	1	1	1	2
Fan direction		Vertical /Horizontal				
Air flow	CFM	800	1200	2000	3000	4000
Heat Exchanger type		Titanium				
Contoller type		Intelligent Microprocessor				
Ambient temperature	°C	-10°C to 52°C				
Refrigerant		R407C				
Noise level	dB(A)	≤ 54	≤ 56	≤ 60	≤ 63	≤ 65
Connection size	mm	Ø50	Ø50	Ø50	Ø50	Ø63
Water flow volume	m³/h	4	6	14	15	19
Enclosure		Galvanized with Powder Coating				
Unit dimensions	Top discharge(mm)		770x710x1231	860x775x1390	980x860x1905	1450x815x1445
	Side discharge(mm)	960x570x550	1125x760x715	1286x850x965	1205x860x1265	1260x860x1550
Net weight	kg	64	70	125	220	300
Suitable for swimming pool size	Volume m³	19.5	30	42	63	84
	Surface Area m²	13	20	28	42	56

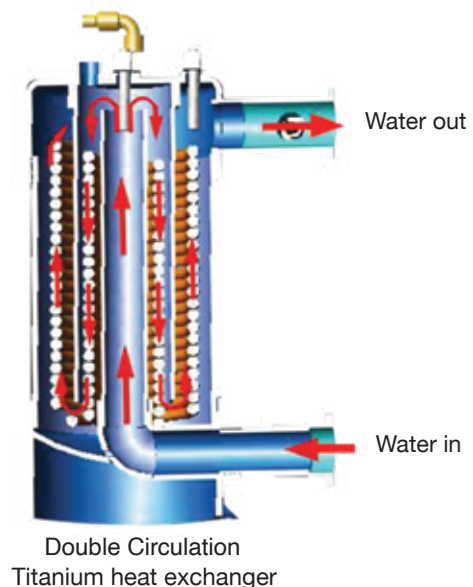
\* All dimensions subject to change

## Standard Features

- Titanium heat exchanger.
- Copeland scroll compressor.
- Extra large condenser.
- Programmable digital temperature controller / indicator.
- Phase failure Relay
- Low and high pressure cut - out.
- Compressor overload protection.
- Flow switch.
- Centrifugal fans.
- Powder coated GI Casing.
- Anti - freeze protection.

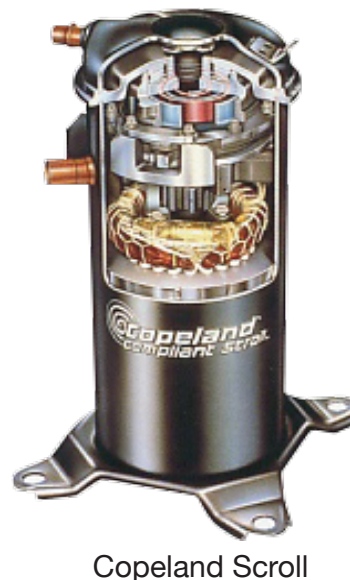
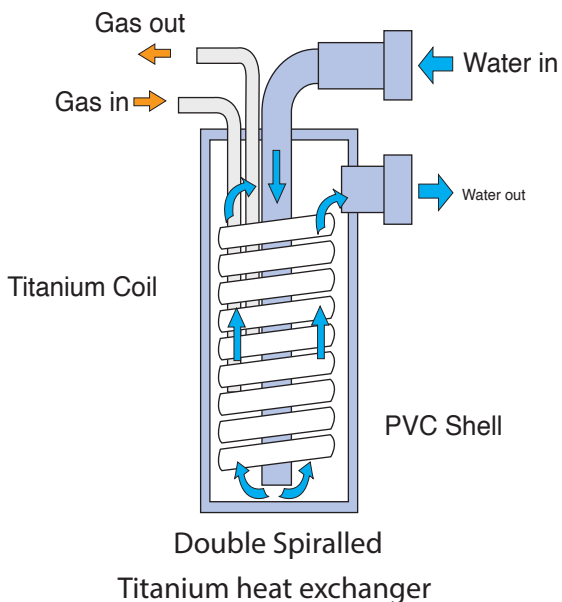
## Options

- Inverter heat pump
- SS 304 or SS 316 casing
- Heresite coating for coils





WM150	WM180	WM240	WM300	WM400	WM500	WM600
62	90	120	135	160	210	250
211550	307100	410000	460600	550000	720000	853100
5.8	5.7	5.7	5.7	5.7	5.8	5.8
45	60	75	86	120	150	170
150000	205000	256000	293400	410000	510000	580100
3	3	3	3	3	3.1	3.1
380-400/3/50						
11.66	17.27	23.10	25.96	30.80	39.60	47.30
16.17	21.56	27.06	31.46	42.90	53.21	60.50
23.65	31.46	39.38	41.58	49.94	64.35	78.76
29.48	39.38	49.17	50.38	57.97	76.67	98.34
18.60	24.79	31.11	36.17	49.33	61.20	69.57
40	63	63	80	100	100	125
Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
2	2	2	2	2	4	6
Electronic Expansion Valve						
Low noise high efficiency centrifugal type						
2	2	2	2	2	4	6
Vertical/Horizontal						
5000	6000	8000	10000	16000	20000	24000
Titanium						
Intelligent Microprocessor						
-10°C to 52°C						
R407C						
≤ 66	≤ 68	≤ 71	≤ 72	≤ 72	≤ 78	≤ 78
Ø63	Ø63	Ø90	Ø90	Ø90	Ø110	Ø110
25	33	41	44	54	66	70
Galvanized with powder coating						
1545x803x1447	1585x850x1830	2000x1005x2260	2000x1005x2260	2315x1165x2463	2100x1100x2535	2400x1300x2630
1780x1270x1650	1780x1270x1650	2293x1403x1900	2293x1403x1900	2293x1503x2100	2100x1450x2300	2400x1650x2300
450	650	750	800	900	1100	1500
115	150	200	224	300	450	500
79	100	135	159	200	300	350





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