

# MIAMI HEAT PUMP

Saving the environment for future generations

## WATER SOURCE & GEOTHERMAL HEAT PUMPS SPECIFICATION DATA SHEET

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## HPW360

WATER SOURCE & GEOTHERMAL HEAT PUMPS  
R410A REFRIGERANT

WATER LOOP				GROUND WATER			
Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
375,660	14.8	462,980	4.0	457,270	17.7	361,580	3.5

GROUND LOOP				FLOW RATE	
Cooling		Heating		AIR	WATER
Capacity	EER	Capacity	COP	CFM	GPM
424,620	15.4	255,070	2.9	12,000	90

### ELECTRICAL SPECIFICATIONS

Electrical Characteristics	Elect. Symbol	Compressor		Min Circuit Ampacity	Max Fuse Size
		RLA	LRA		
208/230/3/60	C	59.1	425.0	157.4	200
460/3/60	D	28.0	160.0	76.0	100

### FLUID PRESSURE DROP

Fluid Flow (GPM)	Pressure drop	
	(FOH)	(PSIG)
50	8.5	3.7
70	15.6	6.8
80	19.8	8.6
<b>90</b>	<b>24.5</b>	<b>10.6</b>
100	29.6	12.8

	UNIT WEIGHT (lbs)		DIMENSION		
	Unit Weight	Shipping Weight	Length	Width	Height
Vertical	1,650	1,750	81.00	32.00	66.0

### COOLING

Entering Fluid Temp. (°F)	Entering Air Fluid (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	SHF	Power Input (kW)	Heat Rejection (MBtuH)	EER
50	70 db 61 wb	414.62	269.49	0.66	24.16	497.07	17.4
60		386.80	253.24	0.66	25.88	475.10	15.1
70		358.98	237.74	0.67	27.58	453.14	13.1
85		317.26	215.39	0.69	30.16	420.19	10.6
100		275.54	193.40	0.71	32.72	387.23	8.5
50	75 db 63 wb	445.18	324.73	0.74	24.27	528.02	18.5
60		415.41	305.38	0.75	26.00	504.13	16.2
70		385.64	286.92	0.77	27.71	480.23	14.0
85		340.98	260.29	0.77	30.30	444.40	11.4
100		296.31	234.10	0.80	32.89	408.57	9.1
50	<b>80.6 db</b> <b>66.2 wb</b>	489.90	359.87	0.74	24.42	573.27	20.3
<b>60</b>		<b>457.27</b>	<b>338.54</b>	<b>0.75</b>	<b>26.17</b>	<b>546.56</b>	<b>17.7</b>
70		424.62	318.20	0.76	27.91	519.86	15.4
<b>85</b>		<b>375.66</b>	<b>288.85</b>	<b>0.78</b>	<b>30.51</b>	<b>479.79</b>	<b>14.8</b>
100		326.70	259.98	0.81	33.12	439.73	10.0
50	85 db 71 wb	534.62	395.36	0.75	24.58	618.51	21.9
60		499.11	372.04	0.76	26.33	588.99	19.2
70		463.61	349.79	0.76	28.09	559.47	16.7
85		410.35	317.70	0.78	30.71	515.19	13.5
100		357.10	286.13	0.81	33.34	470.90	10.8

### HEATING

Entering Fluid Temp. (°F)	Entering Air Fluid (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Absorb. (MBtuH)	COP
50	60	381.59	29.50	280.88	3.8
60		435.25	31.45	327.92	4.1
70		488.92	33.39	374.95	4.3
80		542.59	35.34	417.81	4.6
<b>50</b>	<b>70</b>	<b>361.58</b>	<b>29.97</b>	<b>421.99</b>	<b>3.5</b>
60		412.28	31.95	303.25	3.8
<b>70</b>		<b>462.98</b>	<b>33.93</b>	<b>347.20</b>	<b>4.0</b>
80		513.69	35.91	391.14	4.2
50	80	338.08	30.53	233.88	3.2
60		385.29	32.55	274.18	3.5
70		432.52	34.58	314.48	3.7
80		479.74	36.61	354.79	3.8

### LOW TEMP HEATING

with Antifreeze by ARI-ISO 13256-1

Entering Fluid Temp. (°F)	Entering Air Fluid (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Absorb. (MBtuH)	COP
25	60	242.56	24.64	158.44	2.9
32		268.87	25.62	181.43	3.1
40		321.48	27.56	227.41	3.4
25	<b>70</b>	230.22	25.02	144.84	2.7
<b>32</b>		<b>255.07</b>	<b>26.01</b>	<b>166.32</b>	<b>2.9</b>
40		304.78	27.99	209.27	3.2
25	80	215.71	25.46	128.81	2.5
32		238.85	26.47	148.49	2.6
40		285.15	28.50	187.87	2.9

As a result of continuing research and development, specifications are subject to change without notice.

Please contact factory for up-to-date values. Website: [www.miamihp.com](http://www.miamihp.com)