



Miami Heat Pump
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Specification Capacity Data Sheet

HPW210

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
220,760	13.0	281,990	4.6	287,420	19.1	216,610	4.1	260,750	16.5	148,280	3.3

Performance at	
7,000	CFM
50.0	GPM

Cooling							
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	SHF	Power Input (kW)	Heating of Reject (MBtuH)	EER
50	70 db 61 wb	266.40	174.48	0.66	14.25	315.02	18.9
59		243.67	160.77	0.67	15.04	294.90	16.4
70		220.95	147.44	0.68	15.77	274.77	14.1
86		186.87	127.75	0.69	16.92	244.59	11.1
100		152.78	107.88	0.72	18.06	214.41	8.6
50	75 db 63 wb	285.76	209.47	0.74	14.32	334.62	20.2
59		261.44	193.13	0.75	15.08	312.92	17.5
70		237.11	177.26	0.76	15.85	291.20	15.5
86		200.64	153.81	0.78	17.00	258.65	11.9
100		164.15	130.13	0.80	18.15	226.09	9.1
50	80.6 db 66.2 wb	314.08	231.72	0.75	14.41	363.28	22.0
59		287.42	231.72	0.75	15.19	339.26	19.1
70		260.75	196.22	0.76	15.96	315.23	16.5
86		220.76	170.39	0.78	17.12	279.19	13.0
100		164.15	144.28	0.81	18.28	243.15	10.0
50	85 db 71 wb	342.40	254.21	0.75	14.51	391.94	23.8
59		313.39	234.51	0.76	15.29	365.60	20.7
70		284.40	215.38	0.77	16.07	339.25	17.9
86		240.89	187.12	0.79	17.24	299.73	14.1
100		197.38	158.58	0.81	18.41	260.22	10.8

Heating					
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heating of Abs. (MBtuH)	COP
50	60	228.79	15.29	176.61	4.4
60		263.39	16.48	207.14	4.7
68		297.99	17.68	237.67	4.9
80		332.58	18.87	268.21	5.2
50	68	216.61	15.53	163.60	4.1
60		249.36	16.75	193.13	4.4
68		281.99	17.97	220.67	4.6
80		314.69	19.18	249.22	4.8
50	80	202.32	15.84	148.27	3.7
60		232.76	17.08	174.47	4.0
68		263.21	18.32	200.67	4.2
80		293.65	19.56	226.87	4.4

Low Temp Heating (with Antifreeze by ARI-ISO13256-1)					
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heating of Abs. (MBtuH)	COP
25	60	139.49	12.31	96.48	3.3
32		156.46	12.91	112.41	3.6
40		190.37	14.10	142.27	4.0
25	68	132.25	12.49	89.60	3.1
32		148.28	13.11	103.55	3.3
40		180.33	14.32	131.45	3.7
25	80	123.74	12.73	80.28	2.8
32		138.66	13.35	93.22	3.0
40		168.51	14.59	118.70	3.4

Fluid Press. Drop		
Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
30.0	5.9	2.6
40.0	9.9	4.3
50.0	14.8	6.4
60.0	20.5	8.9
75.0	27.0	11.7



Units are subject to change without notice please contact us for up-to-date values.