



Miami Heat Pump
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Specification Capacity Data Sheet

HPW300

Water Loop				Ground Water				Ground Loop				Performance at	
Cooling		Heating		Cooling		Heating		Cooling		Heating		10,000	CFM
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	75.0	GPM
298,490	12.8	388,610	4.3	364,540	18.0	303,280	3.8	338,120	15.9	213,680	3		

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	332.47	219.73	0.67	18.80	396.63	17.9
59		309.96	206.50	0.68	20.06	378.40	15.7
70		287.44	193.84	0.68	21.31	360.17	13.6
86		253.67	175.49	0.70	23.19	332.83	11.0
100		219.90	157.36	0.73	25.08	305.48	8.9
50	75 db 63 wb	356.22	262.64	0.75	18.91	420.74	19.0
59		332.12	246.88	0.75	20.17	400.94	16.7
70		308.02	231.81	0.76	21.43	381.15	14.5
86		271.87	209.95	0.78	23.32	351.47	11.8
100		235.72	188.34	0.81	25.22	321.79	9.4
50	80.6 db 66.2 wb	390.96	289.94	0.75	19.05	455.97	20.7
59		364.54	272.58	0.76	20.32	433.90	18.0
70		338.12	255.95	0.77	21.59	411.83	15.9
86		298.49	231.87	0.79	23.50	378.20	12.8
100		258.86	208.06	0.81	25.41	345.60	10.3
50	85 db 71 wb	425.69	317.51	0.76	19.20	491.21	22.4
59		396.96	298.53	0.76	20.48	466.85	19.6
70		368.55	280.35	0.77	21.77	442.50	17.1
86		325.11	254.00	0.79	23.68	405.96	13.8
100		282.00	227.97	0.82	25.61	369.43	11.1

Heating					
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heating of Abs. (MBtuH)	COP
50	60	320.74	23.07	242.00	4.1
60		365.89	24.48	282.34	4.4
68		411.05	25.90	322.67	4.8
80		456.21	27.30	363.01	5.0
50	68	303.28	23.48	223.11	3.8
60		345.95	24.93	260.87	4.1
68		388.61	26.36	298.62	4.3
80		431.27	27.81	336.37	4.6
50	80	282.77	24.00	200.85	3.5
60		322.50	25.47	235.56	3.7
68		362.24	26.95	270.27	3.9
80		401.97	28.42	304.97	4.1

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	203.77	19.54	137.08	3.1
32		225.90	20.25	156.80	3.3
40		270.18	21.65	196.25	3.4
25	68	192.76	19.89	124.88	2.8
32		213.68	20.60	143.34	3.0
40		255.50	22.05	180.25	3.4
25	80	179.84	20.32	110.48	2.6
32		199.31	21.06	127.45	2.8
40		238.27	22.53	159.19	3.1

Fluid Press. Drop		
Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
30.0	6.2	2.7
40.0	9.2	4.0
50.0	12.8	5.5
60.0	19.1	8.3
75.0	24.0	10.4



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