



**Swimming Pool, Aquaculture and Geothermal Heat Pumps**

**Specification Capacity Data Sheet**

**HRHPX036**

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
36,00	16.0	40,000	4.8	40,000	23.5	32,000	4.2	36,500	17.9	26,000	3.6

Performance at	
1,200	CFM
9.0	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	38.47	25.24	0.66	1.79	43.55	25.90
59		37.05	24.57	0.66	1.97	42.74	22.20
70		35.28	23.77	0.67	2.20	41.73	18.60
86		32.62	22.43	0.69	2.57	40.33	14.40
100		30.19	21.29	0.71	2.95	39.22	11.40
50	75 db 63 wb	39.80	28.37	0.71	1.80	44.89	26.70
59		38.34	27.72	0.72	1.98	44.05	22.90
70		36.54	26.82	0.73	2.21	43.03	19.20
86		33.79	25.53	0.76	2.57	41.52	14.80
100		31.25	24.49	0.78	2.95	40.28	11.80
50	80.6 db 66.2 wb	41.97	30.84	0.73	1.81	47.10	27.90
59		40.00	29.74	0.74	2.01	45.81	23.50
70		38.57	29.23	0.76	2.22	45.09	20.20
86		36.00	28.39	0.79	2.56	43.68.00	16.00
100		33.02	27.01	0.82	2.95	42.06	12.58
50	85 db 71 wb	45.35	30.16	0.66	1.82	50.53	29.90
59		43.75	29.39	0.67	2.00	49.54	25.80
70		41.66	28.55	0.69	2.24	48.26	21.60
86		38.51	27.46	0.71	2.61	46.38	16.70
100		35.88	26.44	0.74	2.97	44.98	13.50

22.2

Heating					
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heating of Abs. (MBtuH)	COP
50	60	32.69	2.42	25.49	4.5
60		36.92	2.47	29.53	5.0
68		40.40	2.51	32.87	5.4
80		45.63	2.58	37.86	5.9
50	68	32.00	2.54	24.38	4.2
60		36.31	2.64	28.35	4.6
68		40.00	2.75	31.67	4.8
80		44.85	2.76	36.48	5.4
50	80	31.78	2.93	22.84	3.6
60		35.65	2.96	26.61	3.9
68		38.71	2.99	29.54	4.2
80		43.82	3.08	34.36	4.6

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	23.87	2.21	17.38	3.7
32		26.34	2.25	19.71	4.0
40		29.25	2.30	22.45	4.3
25	68	23.62	2.37	16.56	3.3
32		26.00	2.42	18.78	3.6
40		28.89	2.48	21.46	3.9
25	80	20.84	2.65	12.83	2.6
32		24.42	2.73	16.13	2.9
40		28.67	2.85	19.98	3.3

Fluid Press. Drop		
Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
4.5	4.0	1.8
6.0	7.2	3.1
7.9	12.5	5.4
9.0	16.1	7.0
11.3	25.2	10.9



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