

Swimming Pool, Aquaculture and Geothermal Heat Pumps

Specification Capacity Data Sheet

HRHPX060

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
60,000	16.0	70,000	4.5	68,000	22.0	58,000	4.1	63,000	17.2	45,000	3.6

Performance at	
1,900	CFM
15.0	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	64.55	42.23	0.65	3.17	73.68	24.1
59		62.22	41.18	0.66	3.43	72.25	21.2
70		59.28	39.78	0.67	3.79	70.54	18.0
86		54.84	37.70	0.69	4.40	68.18	14.0
100		50.87	35.95	0.71	4.97	66.14	11.4
50	75 db 63 wb	66.82	47.60	0.71	3.17	75.96	25.0
59		64.42	46.48	0.72	3.44	74.48	21.8
70		61.41	45.02	0.73	3.80	72.71	18.5
86		56.74	43.42	0.77	4.38	70.00	14.6
100		52.66	41.43	0.79	4.97	67.95	11.7
50	80.6 db 66.2 wb	70.59	52.08	0.74	3.19	79.79	26.2
59		68.00	50.92	0.75	3.58	78.55	22.0
70		64.77	49.65	0.77	3.81	76.09	19.5
86		60.00	47.41	0.79	4.24	72.80	16.0
100		55.49	45.97	0.83	4.98	70.83	12.3
50	85 db 71 wb	76.35	50.74	0.66	3.22	85.66	28.0
59		73.61	49.56	0.67	3.49	83.83	24.6
70		70.11	48.63	0.69	3.84	81.54	20.9
86		64.94	46.19	0.71	4.42	78.36	16.5
100		60.10	44.68	0.74	5.04	75.63	13.2

Heating					
Entering Fluid Temp (°F)	Entering Air Temp (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heating of Abs. (MBtuH)	COP
50	60	58.05	4.39	44.74	4.4
60		65.48	4.53	51.70	4.8
68		71.67	4.66	57.46	5.0
80		81.88	4.89	66.87	5.5
100		58.00	4.64	43.85	4.1
50	68	64.01	4.82	49.24	4.3
60		70.00	5.05	54.44	4.5
68		80.57	5.23	64.39	5.0
80		55.68	5.19	39.62	3.5
50	80	62.84	5.37	46.20	3.8
60		69.02	5.53	51.82	4.0
68		78.65	5.80	60.53	4.3
80					

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	41.94	3.92	30.24	3.6
32		45.83	3.98	33.91	3.8
40		50.74	4.07	38.51	4.2
25	68	41.34	4.18	28.73	3.3
32		45.00	4.26	32.14	3.5
40		49.69	4.36	36.50	3.8
25	80	40.41	4.65	26.23	2.8
32		44.14	4.74	29.63	3.0
40		48.47	4.83	33.65	3.3

Fluid Press. Drop		
Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
7.5	4.6	2.0
10.1	8.3	3.6
13.2	14.2	6.2
15.0	18.4	8.0
18.8	28.8	12.5



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