

Guangzhou Hiseer Air Conditioning Co., Ltd.
Geothermal heat pump test report

Model No. : GHP09

Tested Date :2008-12-01

Test Condition:

Series No :

Power Supply:1P

Indoor Inlet Water Temp. : 30

Rated Capacity:

Indoor Outlet Water temp. : 35

Rated Power Consumption :

Outdoor Inlet Water Temp. : 10

Outdoor Outlet Water Temp. : 7

No.	Item Title	Unit	5Min	10Min	15Min	20Min	25Min	30Min	35Min	Average
1	Inlet dry bulb temperature	°C	20.43	20.52	20.60	20.66	20.73	20.82	20.93	20.67
2	Inlet wet bulb temperature	°C	20.88	20.94	20.41	20.84	21.08	21.09	21.05	20.90
3	Indoor Inlet Water Temp.	°C	29.89	29.93	29.92	29.85	29.96	30.02	30.06	29.95
4	Indoor Outlet Water Temp.	°C	34.79	34.89	34.87	34.80	34.87	34.98	35.00	34.89
5	Indoor Water Temp.Diff.	°C	4.90	4.96	4.95	4.95	4.91	4.96	4.94	4.94
6	Indoor Water Flow	m ³ /h	1.88	1.87	1.87	1.87	1.88	1.88	1.87	1.87
7	Indoor Heat Exchange	KW	10.69	10.79	10.78	10.78	10.71	10.83	10.78	10.77
8	Outdoor Inlet Water Temp.	°C	10.30	10.30	10.30	10.30	10.30	10.22	10.20	10.27
9	Outdoor Outlet Water temp.	°C	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
10	Outdoor Water Temp .Diff.	°C	2.90	2.90	2.90	2.90	2.90	2.82	2.80	2.87
11	Outdoor Water Flow	kg/h	2.77	2.76	2.76	2.76	2.77	2.78	2.77	2.77
12	Outdoor Heat Exchange	KW	9.34	9.29	9.30	9.30	9.33	9.13	9.01	9.25
13	Voltage	V	231.34	230.8	231.61	231.15	231.17	231.54	231.36	231.28
14	Current	A	9.76	9.86	9.83	9.83	9.79	10.01	9.84	9.83
15	Gross Power Consumption	Kw	1.99	2.00	2.00	2.00	1.99	2.02	2.00	2.00
16	Power Factor	%	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88
17	Power Frequency	Hz	49.99	49.99	49.99	49.99	49.99	49.99	49.99	49.99
18	EER/COP		5.38	5.39	5.38	5.39	5.38	5.37	5.38	5.38
20	Indoor Water Pressure Diff.	kPa	19.97	19.90	19.94	19.90	19.94	19.96	19.92	19.93
21										
22										
23										
24										
25										
26										
27										
28										

Indoor Capacity (Kw) :10.77

Power Consumption (Kw) :2.00

Outdoor Capacity (Kw) :9.25

COP (W/W) :5.38

Remark:

Tested By:

Recorded By:

Test Director: