

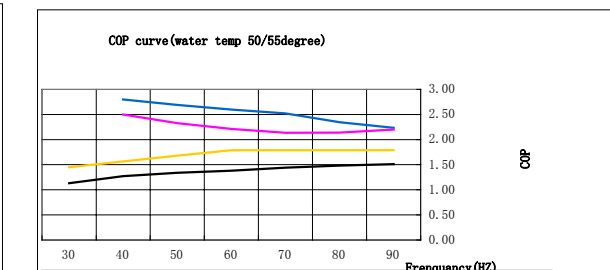
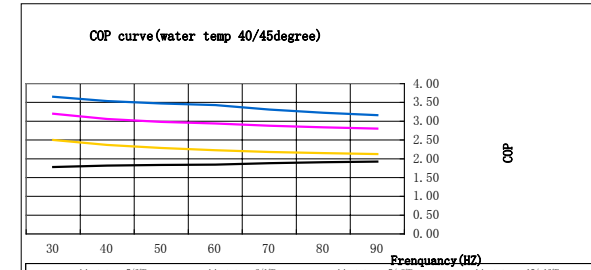
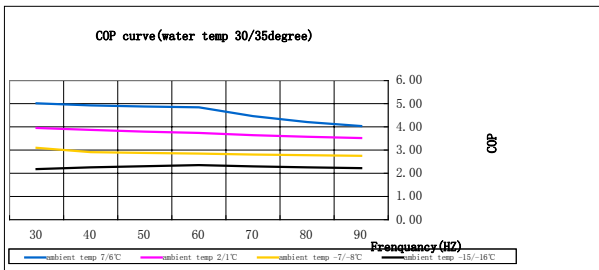
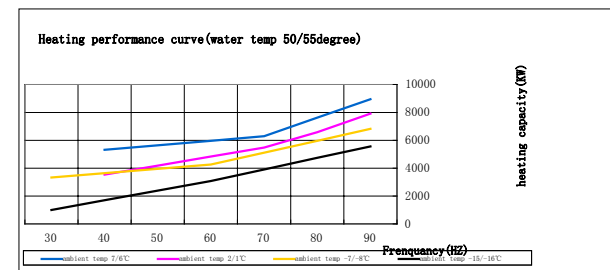
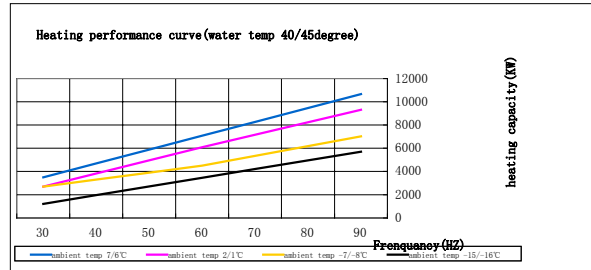
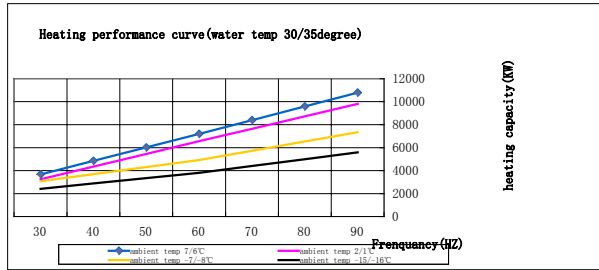
ECON H8A

condition	7/6°C 30/35°C							7/6°C 40/45°C							7/6°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	11355	10093	8831	7569	6335	5100	3865	10655	9462	8269	7077	5885	4692	3500	/	8947	7619	6291	5966	5642	5318
power input	2814	2397	1980	1563	1299	1035	771	3371	2935	2498	2062	1694	1327	959	/	4000	3247	2493	2295	2097	1899
cop	4.04	4.21	4.46	4.84	4.88	4.93	5.01	3.16	3.22	3.31	3.43	3.47	3.54	3.65	/	2.24	2.35	2.52	2.60	2.69	2.80

condition	2/1°C 30/35°C							2/1°C 40/45°C							2/1°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	9812	8727	7643	6559	5453	4347	3241	9303	8230	7157	6084	4956	3828	2700	/	7913	6584	5478	4830	4181	3533
power input	2786	2442	2097	1753	1438	1123	808	3316	2900	2485	2069	1661	1252	843.75	/	3597	3077	2566	2182	1797	1413
cop	3.52	3.57	3.64	3.74	3.79	3.87	3.95	2.81	2.84	2.88	2.94	2.98	3.06	3.20	/	2.20	2.14	2.13	2.21	2.33	2.50

condition	-7/-8°C 30/35°C							-7/-8°C 40/45°C							-7/-8°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	7339	6532	5724	4917	4307	3698	3088	7021	6179	5338	4496	3897	3299	2700	6820	5966	5111	4257	3950	3642	3335
power input	2665	2352	2040	1727	1498	1270	1041	3300	2872	2444	2016	1704	1392	1080	3814	3336	2857	2379	2353	2326	2300
cop	2.75	2.78	2.81	2.85	2.87	2.91	3.10	2.13	2.15	2.18	2.23	2.29	2.37	2.50	1.79	1.79	1.79	1.79	1.68	1.57	1.45

condition	-15/-16°C 30/35°C							-15/-16°C 40/45°C							-15/-16°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	5586	4992	4397	3803	3342	2880	2419	5704	4956	4208	3460	2712	1964	1216	5564	4737	3910	3083	2389	1694	1000
power input	2512	2215	1917	1620	1449	1279	1108	2960	2598	2235	1873	1476	1080	683	3684	3200	2716	2232	1783	1334	885
cop	2.22	2.25	2.29	2.35	2.31	2.25	2.18	1.93	1.91	1.88	1.85	1.84	1.82	1.78	1.51	1.48	1.44	1.38	1.34	1.27	1.13



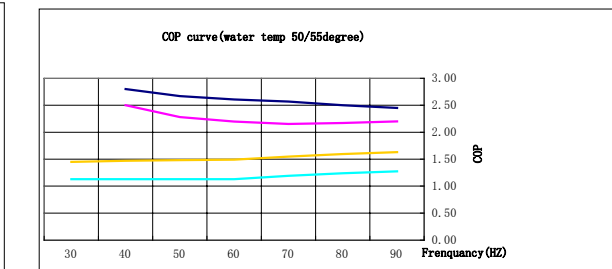
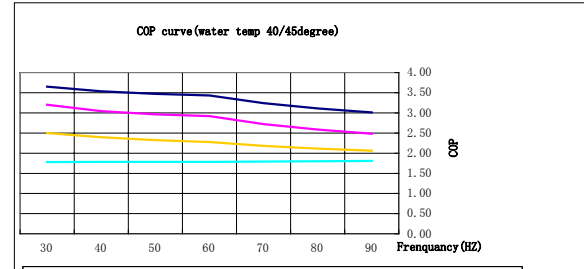
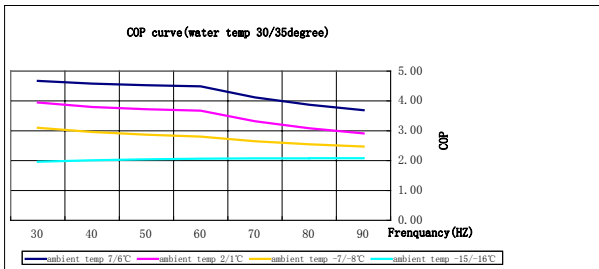
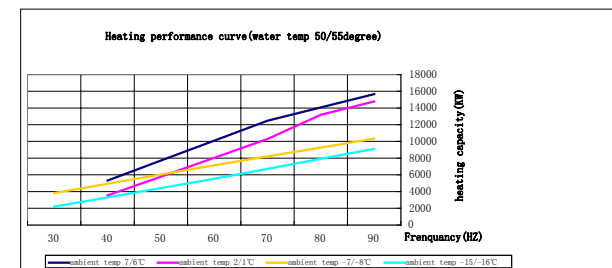
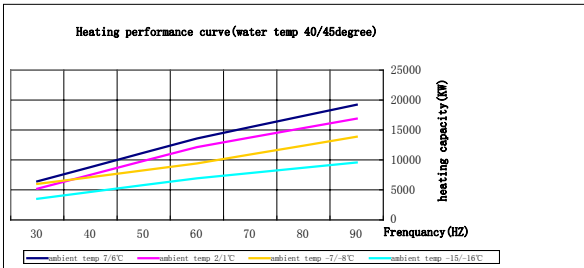
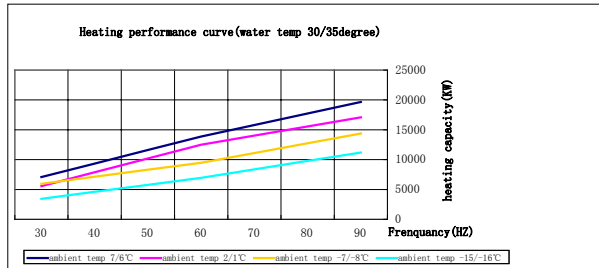
ECON H15B

condition	7/6°C 30/35°C							7/6°C 40/45°C							7/6°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	17300	15567	13833	12100	10107	8114	6121	15842	14335	12829	11322	9581	7840	6099	/	14974	13413.5	11853	9586	7319	5052
power input	4552	3933	3315	2696	2194	1692	1190	5113	4496	3879	3262	2591	1920	1249	/	6017	5436	4854	3869	2884	1899
COP	3.80	3.96	4.17	4.49	4.61	4.80	5.14	3.10	3.19	3.31	3.47	3.70	4.08	4.88	/	2.49	2.47	2.44	2.48	2.54	2.66

condition	2/1°C 30/35°C							2/1°C 40/45°C							2/1°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	14275	12878	11480	10083	8462	6841	5219	13636	12337	11038	9739	8144	6549	4954	/	/	10400	9600	7519	5438	3356
power input	4275	3764	3254	2743	2252	1760	1269	4926	4354	3782	3210	2607	2003	1400	/	/	5995	4800	4310	3344	2379
COP	3.34	3.42	3.53	3.68	3.76	3.89	4.11	2.77	2.83	2.92	3.03	3.12	3.27	3.54	/	/	2.17	2.23	2.25	2.29	2.38

condition	-7/-8°C 30/35°C							-7/-8°C 40/45°C							-7/-8°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	11500	10500	9500	8500	7377	6253	5130	10514	9226	7938	6650	5858	5067	4275	9000	8100	7200	6300	5530	4760	3990
power input	4655	4231	3806	3382	2835	2289	1742	4597	3965	3332	2700	2317	1934	1552	6720	6013	5307	4600	3844	3089	2333
COP	2.47	2.48	2.50	2.51	2.60	2.73	2.95	2.29	2.33	2.38	2.46	2.53	2.62	2.76	1.34	1.35	1.36	1.37	1.44	1.54	1.71

condition	-15/-16°C 30/35°C							-15/-16°C 40/45°C							-15/-16°C 50/55°C						
speed	90	80	70	60	50	40	30	90	80	70	60	50	40	30	90	80	70	60	50	40	30
heating capacity	8645	7697	6748	5800	4900	4000	3100	8524	7516	6508	5500	4685	3870	3054	/	7100	6175	5250	4196	3143	2089
power input	4600	3883	3167	2450	2032	1613	1195	4708	3972	3236	2500	2336	2173	2009	6138	5725	5313	4900	3915	2931	1946
COP	1.88	1.98	2.13	2.37	2.41	2.48	2.59	1.81	1.89	2.01	2.20	2.01	1.78	1.52	/	1.24	1.16	1.07	1.07	1.07	1.07



P6 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.03	1.12	1.24	1.39	1.47	1.72	1.81	1.85	1.95	2.30	2.56	2.67	2.90	3.08	3.29	3.46	3.68
41	0.98	1.08	1.19	1.35	1.43	1.68	1.75	1.77	1.86	2.22	2.50	2.60	2.83	3.01	3.22	3.40	3.65
45	0.96	1.05	1.17	1.32	1.40	1.64	1.72	1.71	1.81	2.16	2.46	2.55	2.78	2.96	3.17	3.36	3.63
50	—	1.02	1.13	1.29	1.37	1.60	1.67	1.66	1.74	2.06	2.39	2.45	2.68	2.86	3.09	3.29	3.56
55	—	—	1.10	1.25	1.33	1.56	1.63	1.62	1.70	1.96	2.31	2.35	2.58	2.76	3.01	3.22	3.51
60	—	—	1.06	1.22	1.30	1.52	1.58	1.57	1.65	1.86	2.24	2.25	2.48	2.66	2.91	3.15	3.43

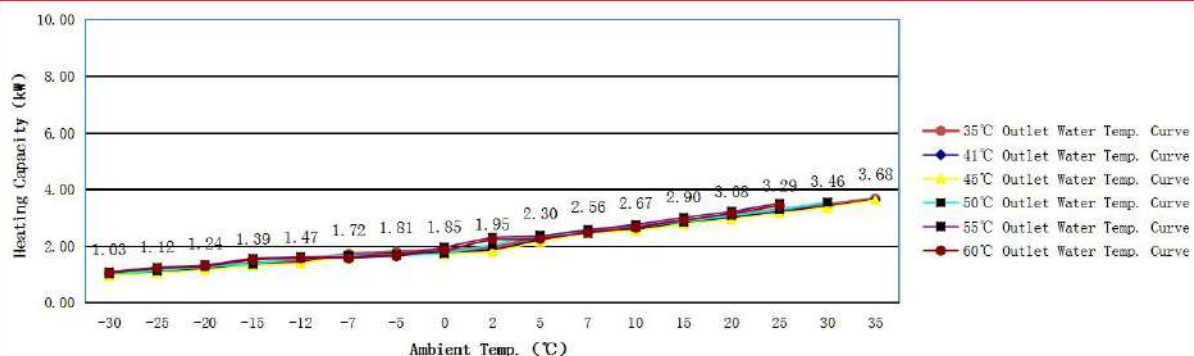
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.30	0.32	0.35	0.38	0.40	0.44	0.46	0.46	0.48	0.48	0.49	0.50	0.52	0.54	0.57	0.59	0.62
41	0.33	0.35	0.38	0.41	0.43	0.47	0.49	0.49	0.51	0.51	0.53	0.54	0.55	0.57	0.60	0.62	0.65
45	0.35	0.37	0.40	0.42	0.44	0.50	0.51	0.51	0.53	0.53	0.56	0.56	0.57	0.59	0.62	0.64	0.67
50	—	0.40	0.42	0.44	0.47	0.52	0.54	0.54	0.55	0.56	0.60	0.59	0.60	0.62	0.64	0.67	0.69
55	—	—	0.45	0.47	0.49	0.55	0.56	0.55	0.57	0.58	0.63	0.62	0.62	0.64	0.67	0.69	0.72
60	—	—	0.52	0.54	0.56	0.62	0.63	0.61	0.62	0.62	0.69	0.69	0.66	0.68	0.70	0.72	0.75

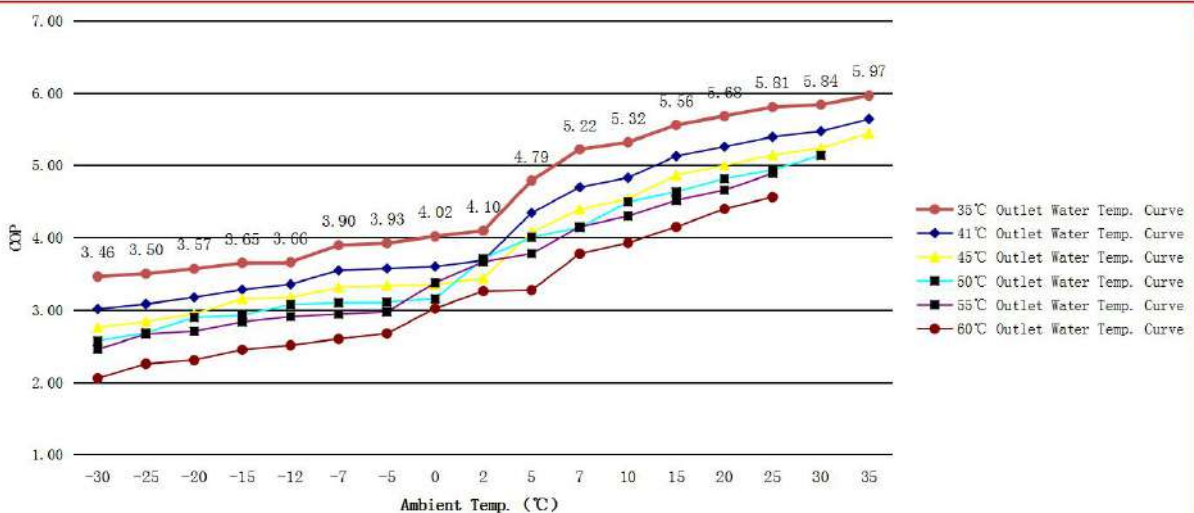
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.46	3.50	3.57	3.65	3.66	3.90	3.93	4.02	4.10	4.79	5.22	5.32	5.56	5.68	5.81	5.84	5.97
41	3.02	3.08	3.18	3.28	3.36	3.55	3.58	3.60	3.69	4.34	4.70	4.83	5.13	5.26	5.40	5.47	5.64
45	2.76	2.84	2.94	3.15	3.17	3.31	3.34	3.35	3.44	4.08	4.39	4.54	4.87	5.00	5.14	5.24	5.44
50	—	2.57	2.69	2.90	2.93	3.08	3.10	3.11	3.16	3.71	4.01	4.14	4.49	4.64	4.82	4.94	5.14
55	—	—	2.46	2.67	2.71	2.84	2.91	2.94	2.98	3.38	3.67	3.78	4.15	4.30	4.52	4.66	4.89
60	—	—	2.06	2.26	2.31	2.45	2.51	2.60	2.68	3.02	3.26	3.28	3.78	3.93	4.15	4.40	4.56

Heating Capacity



COP



P6 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.32	2.65	2.80	2.98	3.15	3.69	3.87	4.10	4.46	5.03	5.48	5.64	5.87	6.23	6.66	6.99	7.27
41	2.23	2.56	2.72	2.89	3.07	3.59	3.76	3.94	4.30	4.87	5.33	5.49	5.72	6.08	6.51	6.88	7.16
45	2.18	2.51	2.66	2.84	3.01	3.53	3.69	3.83	4.19	4.76	5.23	5.39	5.62	5.98	6.41	6.80	7.08
50	—	2.44	2.59	2.77	2.94	3.45	3.60	3.74	4.06	4.53	5.03	5.19	5.42	5.78	6.21	6.66	6.94
55	—	—	2.52	2.70	2.87	3.37	3.51	3.65	3.92	4.28	4.83	4.99	5.22	5.58	6.01	6.51	6.79
60	—	—	2.45	2.63	2.80	3.29	3.42	3.56	3.79	4.06	4.63	4.79	5.02	5.38	5.81	6.37	6.65

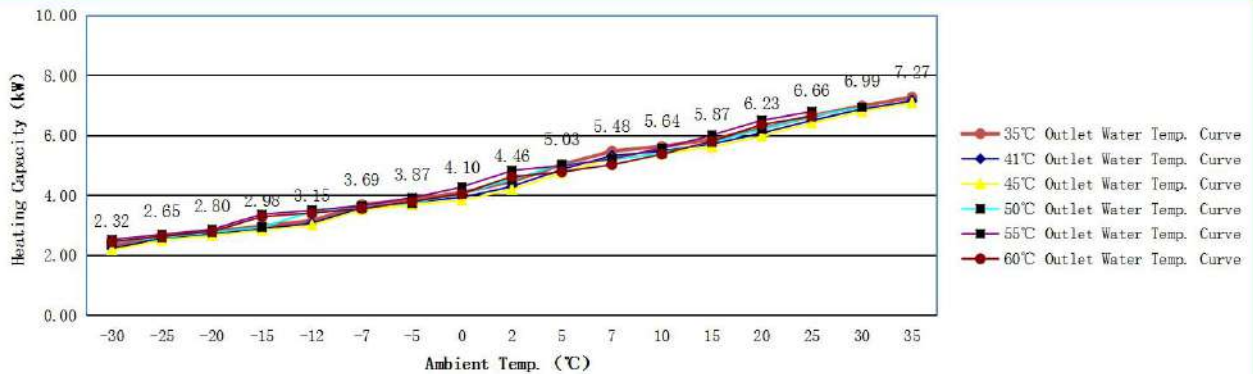
Power Input kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.81	0.85	0.89	0.92	0.95	0.98	1.00	1.05	1.09	1.08	1.11	1.13	1.17	1.21	1.26	1.31	1.35
41	0.91	0.95	0.99	1.03	1.05	1.10	1.12	1.17	1.21	1.22	1.24	1.26	1.29	1.34	1.39	1.44	1.48
45	0.98	1.02	1.06	1.09	1.12	1.18	1.20	1.25	1.30	1.31	1.32	1.34	1.37	1.43	1.48	1.53	1.57
50	—	1.10	1.14	1.18	1.20	1.28	1.30	1.35	1.40	1.43	1.43	1.45	1.48	1.53	1.59	1.64	1.68
55	—	—	1.22	1.25	1.28	1.38	1.42	1.45	1.50	1.54	1.53	1.55	1.59	1.64	1.70	1.75	1.79
60	—	—	1.32	1.36	1.38	1.49	1.52	1.57	1.62	1.67	1.66	1.68	1.73	1.78	1.84	1.89	1.92

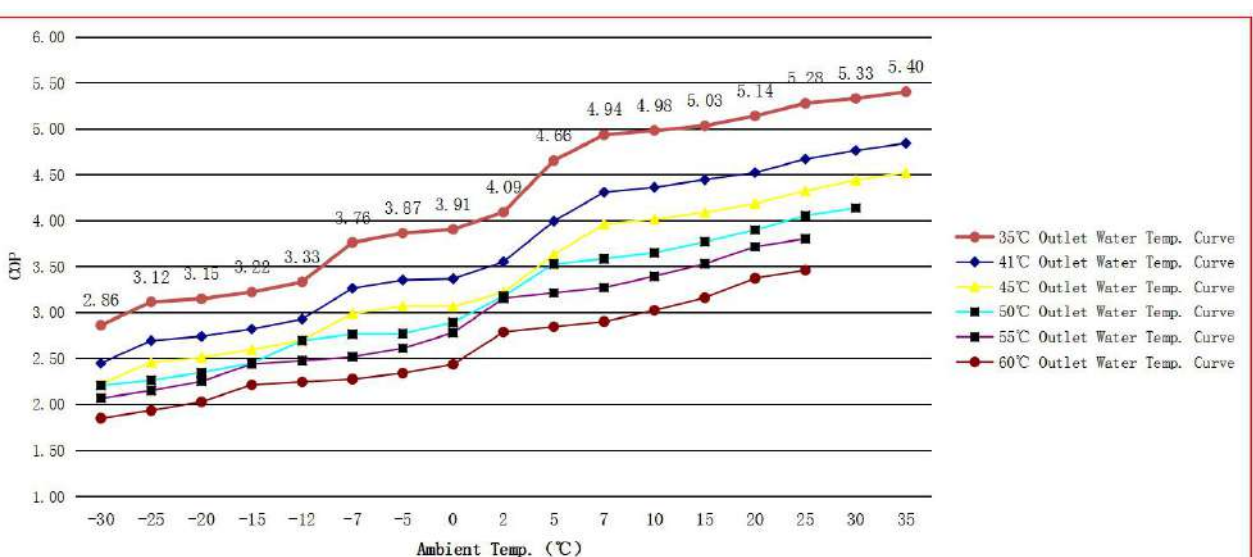
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.86	3.12	3.15	3.22	3.33	3.76	3.87	3.91	4.09	4.66	4.94	4.98	5.03	5.14	5.28	5.33	5.40
41	2.45	2.70	2.74	2.82	2.93	3.27	3.36	3.37	3.55	4.00	4.31	4.36	4.45	4.53	4.67	4.77	4.84
45	2.22	2.46	2.51	2.59	2.70	2.99	3.07	3.07	3.22	3.63	3.96	4.02	4.09	4.19	4.33	4.44	4.52
50	—	2.21	2.27	2.35	2.45	2.69	2.77	2.77	2.89	3.18	3.53	3.59	3.65	3.77	3.90	4.06	4.14
55	—	—	2.07	2.15	2.25	2.44	2.48	2.52	2.61	2.78	3.16	3.22	3.27	3.40	3.53	3.72	3.80
60	—	—	1.85	1.93	2.03	2.21	2.25	2.28	2.34	2.44	2.79	2.85	2.90	3.03	3.16	3.38	3.46

Heating Capacity



COP



P6 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.46	2.82	2.98	3.17	3.35	3.88	4.11	4.37	4.75	5.35	5.83	6.00	6.24	6.63	7.08	7.44	7.74
41	2.38	2.73	2.90	3.09	3.27	3.79	4.01	4.20	4.59	5.19	5.68	5.85	6.09	6.48	6.93	7.32	7.63
45	2.32	2.68	2.84	3.03	3.21	3.72	3.93	4.10	4.48	5.08	5.58	5.75	5.99	6.38	6.83	7.25	7.55
50	—	2.61	2.77	2.96	3.14	3.64	3.84	4.01	4.34	4.86	5.38	5.55	5.79	6.18	6.63	7.10	7.40
55	—	—	2.70	2.89	3.07	3.56	3.75	3.92	4.21	4.61	5.18	5.35	5.59	5.98	6.43	6.96	7.26
60	—	—	2.63	2.82	3.00	3.48	3.66	3.83	4.07	4.38	4.98	5.15	5.39	5.78	6.23	6.81	7.11

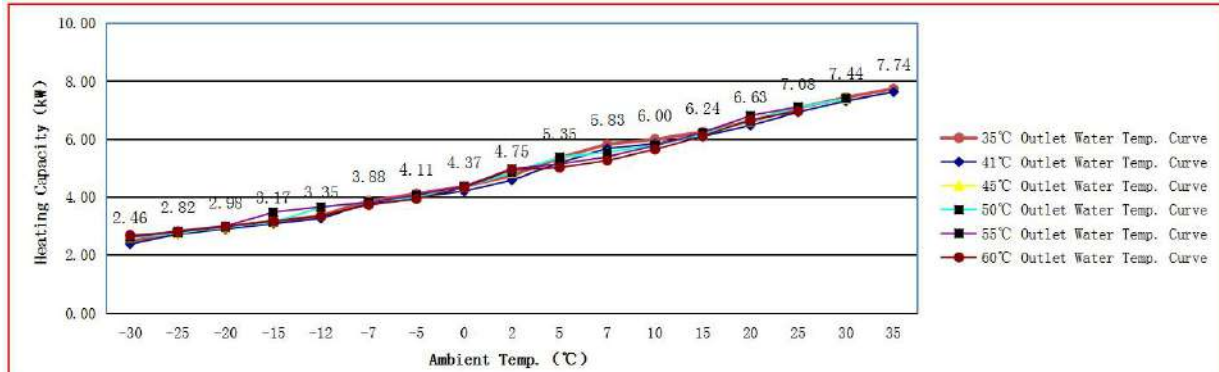
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.91	0.95	0.99	1.02	1.05	1.08	1.10	1.13	1.17	1.18	1.21	1.23	1.27	1.31	1.36	1.41	1.45
41	1.01	1.05	1.09	1.13	1.15	1.21	1.24	1.27	1.31	1.32	1.35	1.37	1.41	1.46	1.51	1.56	1.59
45	1.08	1.12	1.16	1.19	1.22	1.30	1.33	1.36	1.40	1.41	1.44	1.46	1.51	1.55	1.60	1.65	1.69
50	—	1.20	1.24	1.28	1.30	1.41	1.45	1.48	1.52	1.53	1.56	1.58	1.63	1.67	1.72	1.77	1.81
55	—	—	1.33	1.36	1.39	1.52	1.56	1.59	1.63	1.64	1.67	1.69	1.75	1.79	1.84	1.89	1.93
60	—	—	1.46	1.50	1.52	1.67	1.68	1.71	1.78	1.79	1.82	1.83	1.89	1.94	1.99	2.04	2.07

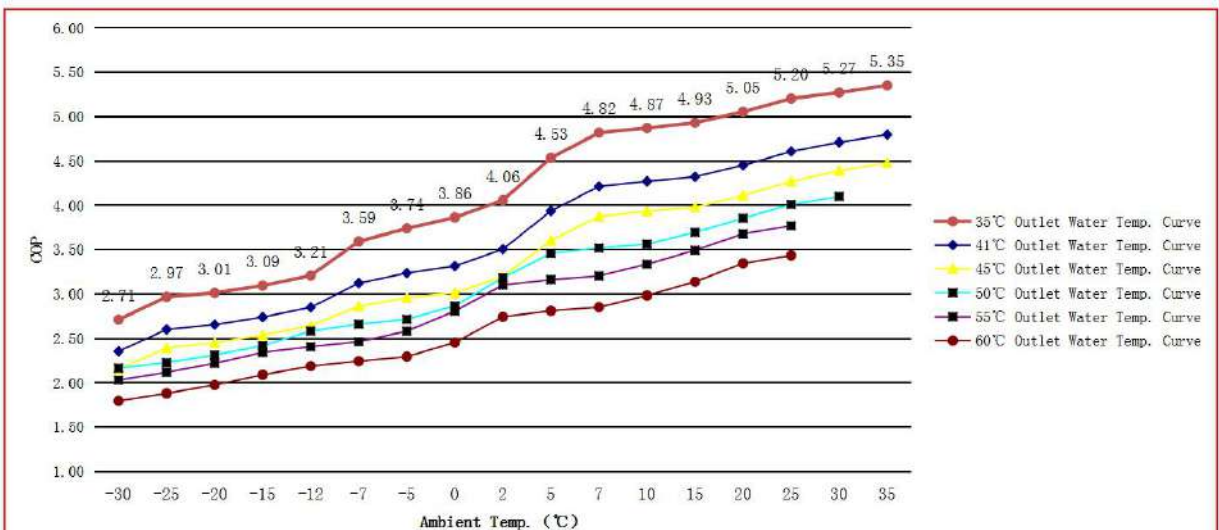
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.71	2.97	3.01	3.09	3.21	3.59	3.74	3.86	4.06	4.53	4.82	4.87	4.93	5.05	5.20	5.27	5.35
41	2.35	2.60	2.65	2.74	2.85	3.12	3.24	3.32	3.51	3.94	4.21	4.27	4.32	4.45	4.61	4.71	4.80
45	2.15	2.39	2.45	2.54	2.64	2.86	2.96	3.01	3.20	3.60	3.88	3.93	3.98	4.11	4.27	4.39	4.48
50	—	2.16	2.23	2.31	2.42	2.58	2.66	2.72	2.87	3.18	3.46	3.52	3.56	3.70	3.85	4.01	4.10
55	—	—	2.03	2.12	2.22	2.34	2.41	2.46	2.58	2.81	3.10	3.16	3.20	3.34	3.49	3.68	3.77
60	—	—	1.80	1.88	1.98	2.09	2.19	2.24	2.29	2.45	2.74	2.81	2.85	2.98	3.14	3.35	3.44

Heating Capacity



COP



P6 60Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.45	2.87	3.04	3.15	3.34	3.58	3.81	4.27	4.62	5.30	5.80	5.97	6.21	6.59	7.05	7.31	7.61
41	2.37	2.78	2.95	3.07	3.25	3.48	3.70	4.11	4.46	5.14	5.65	5.80	6.05	6.43	6.88	7.19	7.49
45	2.31	2.73	2.90	3.01	3.20	3.42	3.63	4.00	4.35	5.03	5.55	5.70	5.94	6.32	6.78	7.11	7.41
50	—	2.66	2.83	2.94	3.13	3.34	3.54	3.91	4.21	4.81	5.35	5.47	5.72	6.10	6.55	6.96	7.26
55	—	—	2.76	2.87	3.06	3.26	3.45	3.82	4.08	4.56	5.15	5.25	5.49	5.87	6.33	6.81	7.11
60	—	—	2.69	2.80	2.99	3.18	3.36	3.73	3.94	4.33	4.95	5.02	5.27	5.65	6.10	6.66	6.96

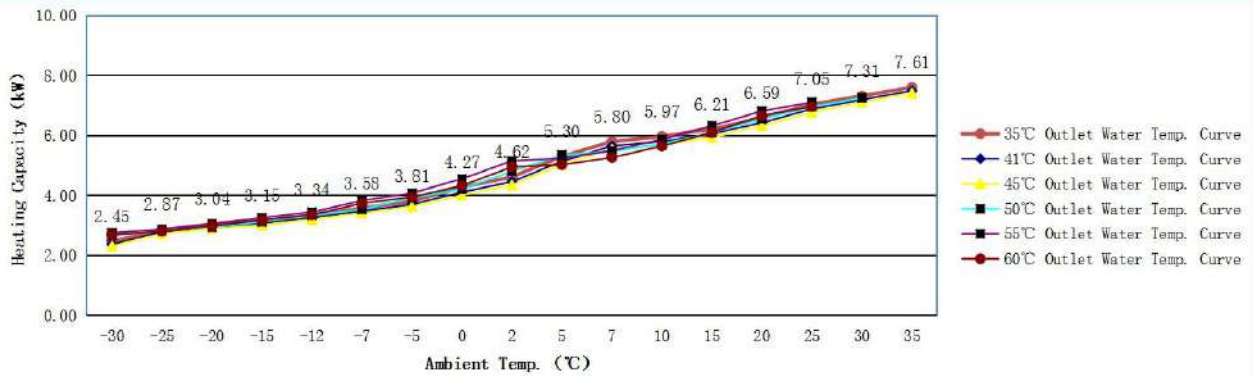
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.95	0.99	1.03	1.07	1.09	1.12	1.14	1.15	1.15	1.20	1.23	1.25	1.29	1.34	1.39	1.44	1.47
41	1.06	1.10	1.14	1.18	1.20	1.26	1.29	1.30	1.30	1.35	1.39	1.40	1.44	1.49	1.54	1.59	1.62
45	1.13	1.17	1.21	1.25	1.27	1.35	1.39	1.40	1.40	1.45	1.50	1.50	1.54	1.59	1.64	1.69	1.72
50	—	1.26	1.30	1.34	1.36	1.47	1.52	1.53	1.53	1.58	1.64	1.63	1.67	1.72	1.77	1.81	1.85
55	—	—	1.39	1.43	1.44	1.58	1.64	1.65	1.65	1.70	1.77	1.75	1.79	1.84	1.89	1.94	1.97
60	—	—	1.54	1.57	1.59	1.74	1.77	1.78	1.81	1.86	1.93	1.91	1.95	2.00	2.05	2.09	2.13

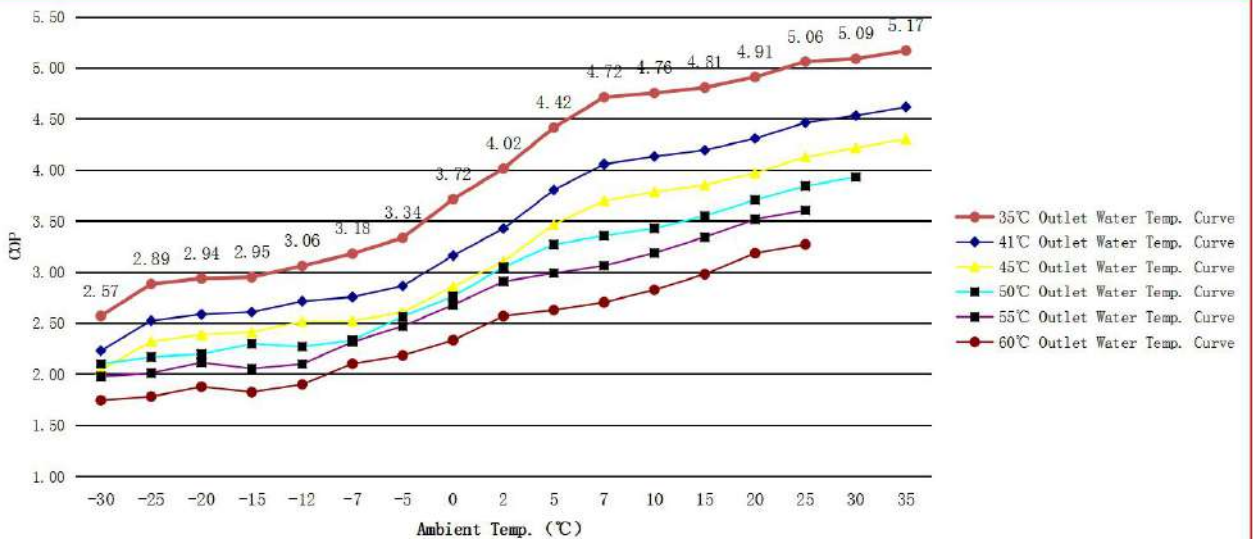
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.57	2.89	2.94	2.95	3.06	3.18	3.34	3.72	4.02	4.42	4.72	4.76	4.81	4.91	5.06	5.09	5.17
41	2.23	2.53	2.59	2.61	2.72	2.76	2.87	3.16	3.43	3.81	4.06	4.13	4.20	4.31	4.47	4.53	4.62
45	2.04	2.32	2.39	2.41	2.52	2.52	2.61	2.86	3.11	3.47	3.70	3.79	3.85	3.97	4.13	4.22	4.30
50	—	2.10	2.17	2.20	2.30	2.27	2.33	2.57	2.76	3.05	3.27	3.36	3.43	3.55	3.71	3.84	3.93
55	—	—	1.98	2.01	2.12	2.06	2.10	2.32	2.47	2.68	2.91	2.99	3.07	3.19	3.34	3.52	3.61
60	—	—	1.75	1.78	1.88	1.83	1.90	2.10	2.19	2.33	2.57	2.63	2.71	2.83	2.98	3.19	3.27

Heating Capacity



COP



P6 66Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.62	2.90	3.25	3.37	3.57	3.87	4.07	4.77	5.02	5.68	6.20	6.38	6.64	7.05	7.53	7.82	8.14
41	2.54	2.82	3.16	3.29	3.48	3.77	3.96	4.61	4.86	5.52	6.04	6.22	6.48	6.88	7.37	7.70	8.02
45	2.48	2.76	3.11	3.23	3.43	3.71	3.89	4.50	4.75	5.41	5.93	6.11	6.37	6.78	7.26	7.62	7.94
50	—	2.69	3.04	3.16	3.36	3.63	3.80	4.41	4.62	5.18	5.71	5.88	6.15	6.55	7.04	7.47	7.79
55	—	—	2.97	3.09	3.29	3.55	3.71	4.32	4.48	4.93	5.48	5.66	5.92	6.33	6.81	7.32	7.64
60	—	—	2.90	3.02	3.22	3.47	3.62	4.23	4.35	4.71	5.26	5.43	5.70	6.10	6.59	7.17	7.49

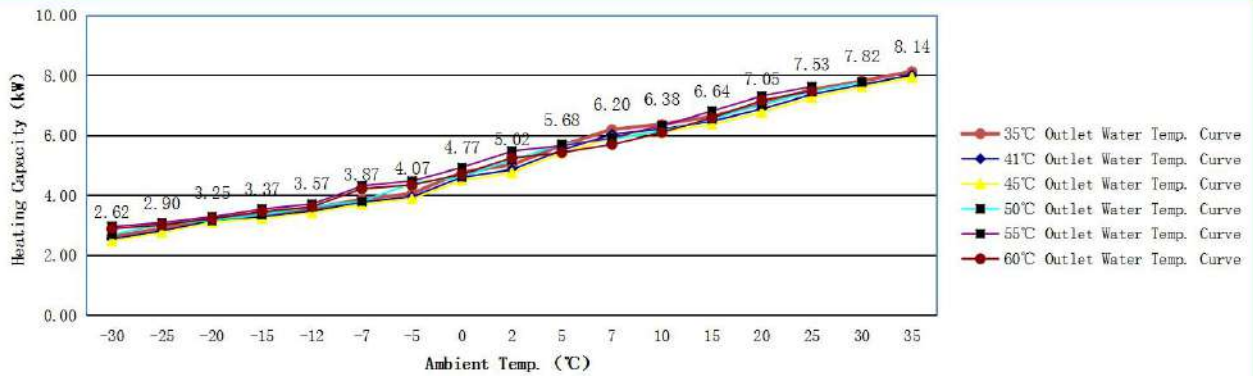
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.03	1.08	1.13	1.17	1.19	1.23	1.25	1.26	1.26	1.31	1.34	1.37	1.42	1.48	1.53	1.58	1.62
41	1.15	1.20	1.25	1.29	1.31	1.39	1.42	1.43	1.42	1.48	1.52	1.54	1.58	1.64	1.70	1.75	1.79
45	1.23	1.28	1.33	1.37	1.39	1.49	1.53	1.54	1.54	1.59	1.64	1.65	1.70	1.76	1.81	1.86	1.90
50	—	1.38	1.43	1.47	1.49	1.62	1.67	1.68	1.68	1.73	1.79	1.79	1.84	1.90	1.95	2.00	2.04
55	—	—	1.53	1.57	1.59	1.75	1.81	1.82	1.82	1.87	1.94	1.93	1.98	2.04	2.09	2.14	2.18
60	—	—	1.69	1.73	1.75	1.93	1.99	1.96	1.99	2.05	2.12	2.10	2.15	2.21	2.27	2.28	2.36

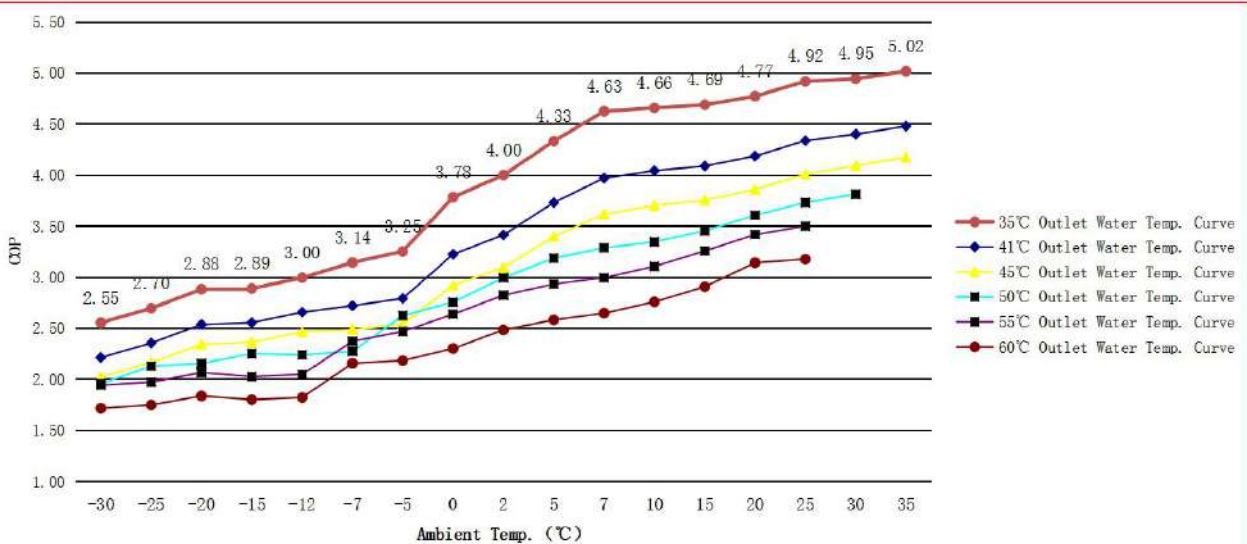
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.55	2.70	2.88	2.89	3.00	3.14	3.25	3.78	4.00	4.33	4.63	4.66	4.69	4.77	4.92	4.95	5.02
41	2.21	2.36	2.54	2.56	2.66	2.72	2.79	3.23	3.41	3.73	3.97	4.05	4.09	4.19	4.34	4.40	4.48
45	2.02	2.16	2.34	2.36	2.46	2.49	2.54	2.92	3.10	3.40	3.62	3.70	3.76	3.86	4.01	4.09	4.17
50	—	1.96	2.13	2.16	2.25	2.24	2.27	2.62	2.76	3.00	3.19	3.29	3.35	3.46	3.61	3.73	3.81
55	—	—	1.94	1.97	2.07	2.03	2.05	2.37	2.47	2.64	2.82	2.93	3.00	3.11	3.26	3.42	3.50
60	—	—	1.72	1.75	1.84	1.80	1.82	2.16	2.18	2.30	2.48	2.58	2.65	2.76	2.91	3.14	3.18

Heating Capacity



COP



P6 72Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.67	2.77	3.36	3.51	3.60	4.18	4.41	5.05	5.64	6.02	6.60	6.81	7.14	7.50	7.96	8.32	8.66
41	2.58	2.68	3.27	3.42	3.50	4.07	4.31	4.87	5.46	5.84	6.42	6.63	6.96	7.32	7.78	8.20	8.54
45	2.52	2.62	3.21	3.36	3.44	4.00	4.23	4.75	5.34	5.72	6.30	6.51	6.84	7.20	7.66	8.12	8.46
50	—	2.55	3.13	3.29	3.36	3.91	4.14	4.65	5.24	5.47	6.05	6.26	6.59	6.95	7.41	7.97	8.31
55	—	—	3.06	3.21	3.28	3.82	4.05	4.55	5.14	5.22	5.80	6.01	6.34	6.70	7.16	7.82	8.16
60	—	—	2.98	3.14	3.20	3.72	3.96	4.45	5.04	4.97	5.55	5.76	6.09	6.45	6.91	7.67	8.01

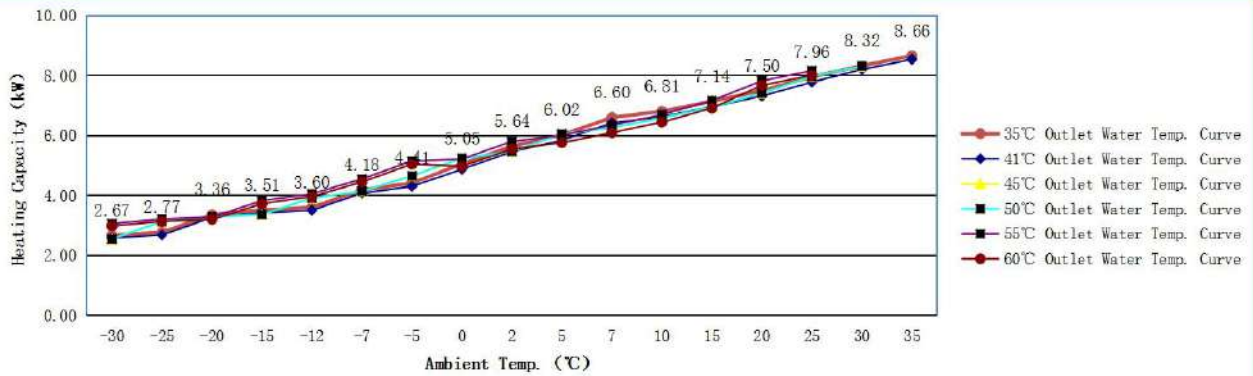
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.13	1.18	1.23	1.28	1.31	1.36	1.38	1.39	1.42	1.42	1.44	1.47	1.53	1.61	1.68	1.74	1.80
41	1.26	1.31	1.36	1.41	1.44	1.53	1.57	1.58	1.60	1.61	1.65	1.66	1.72	1.79	1.87	1.93	1.99
45	1.35	1.40	1.45	1.50	1.54	1.65	1.69	1.70	1.73	1.73	1.79	1.78	1.84	1.92	2.00	2.05	2.11
50	—	1.51	1.56	1.61	1.64	1.80	1.85	1.86	1.88	1.89	1.96	1.94	2.00	2.07	2.15	2.21	2.27
55	—	—	1.67	1.72	1.75	1.93	1.98	2.01	2.04	2.04	2.14	2.09	2.15	2.23	2.31	2.36	2.42
60	—	—	1.86	1.91	1.93	2.12	2.16	2.20	2.23	2.23	2.35	2.28	2.34	2.42	2.50	2.55	2.61

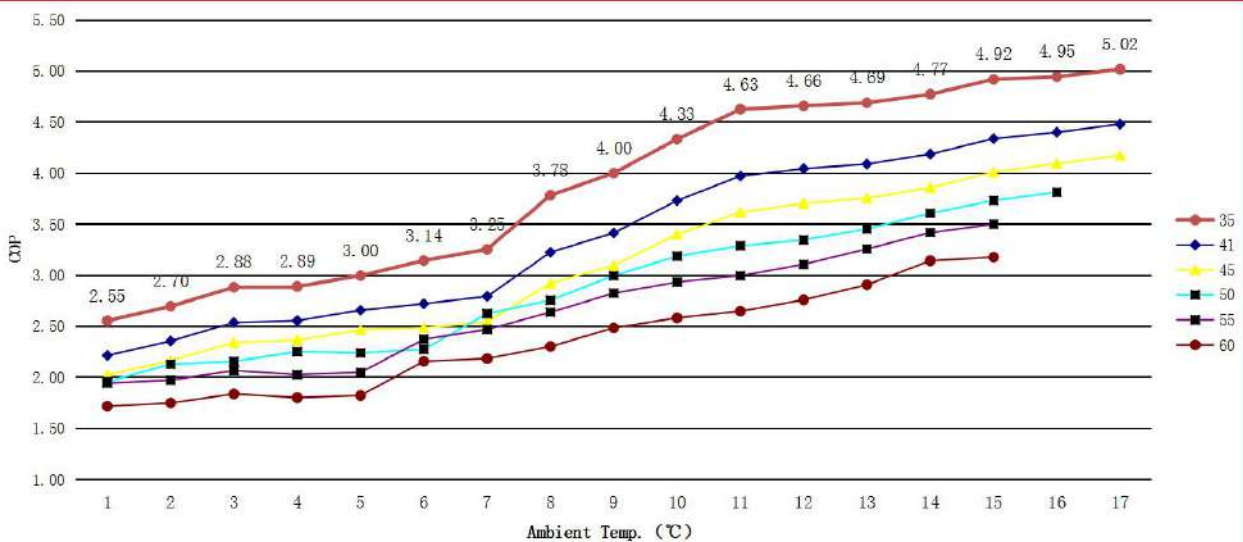
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.36	2.35	2.73	2.74	2.75	3.07	3.20	3.63	3.99	4.24	4.60	4.63	4.66	4.67	4.74	4.78	4.81
41	2.04	2.04	2.40	2.42	2.43	2.66	2.75	3.09	3.41	3.64	3.90	4.00	4.05	4.08	4.16	4.26	4.30
45	1.86	1.87	2.21	2.24	2.25	2.43	2.51	2.80	3.10	3.31	3.53	3.65	3.72	3.76	3.84	3.96	4.01
50	—	1.69	2.01	2.04	2.05	2.18	2.25	2.51	2.79	2.90	3.09	3.23	3.30	3.35	3.44	3.62	3.67
55	—	—	1.83	1.87	1.87	1.98	2.05	2.26	2.53	2.56	2.72	2.87	2.95	3.01	3.10	3.31	3.37
60	—	—	1.60	1.64	1.66	1.76	1.84	2.02	2.27	2.23	2.36	2.52	2.60	2.67	2.77	3.01	3.07

Heating Capacity



COP



P6 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.03	3.15	3.42	3.83	3.97	4.66	4.96	5.71	6.27	6.84	7.50	7.74	8.11	8.52	8.95	9.35	9.76
41	2.91	3.03	3.30	3.71	3.89	4.59	4.85	5.53	6.09	6.66	7.32	7.56	7.93	8.34	8.77	9.23	9.64
45	2.83	2.95	3.22	3.63	3.85	4.54	4.78	5.41	5.97	6.54	7.20	7.44	7.81	8.22	8.65	9.15	9.56
50	—	2.85	3.12	3.56	3.79	4.48	4.69	5.31	5.87	6.29	6.95	7.19	7.56	7.97	8.40	9.00	9.41
55	—	—	3.02	3.49	3.73	4.42	4.60	5.21	5.77	6.04	6.70	6.94	7.31	7.72	8.15	8.85	9.26
60	—	—	2.92	3.39	3.66	4.32	4.51	5.11	5.67	5.79	6.45	6.69	7.06	7.47	7.90	8.70	9.11

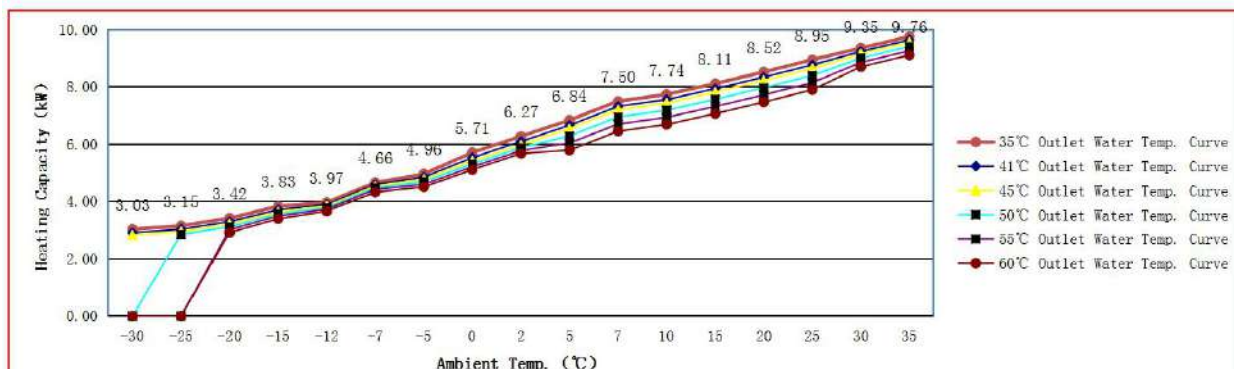
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.32	1.37	1.42	1.47	1.50	1.54	1.56	1.59	1.59	1.61	1.63	1.68	1.75	1.83	1.91	1.98	2.06
41	1.47	1.52	1.57	1.62	1.65	1.69	1.74	1.78	1.80	1.82	1.83	1.86	1.93	1.95	2.05	2.12	2.19
45	1.57	1.62	1.67	1.72	1.75	1.79	1.86	1.91	1.94	1.96	1.97	2.00	2.05	2.09	2.17	2.20	2.28
50	—	1.75	1.80	1.85	1.86	1.90	2.01	2.07	2.12	2.14	2.15	2.16	2.23	2.26	2.34	2.40	2.39
55	—	—	1.92	1.97	1.97	2.01	2.16	2.23	2.29	2.31	2.32	2.33	2.38	2.44	2.52	2.60	2.49
60	—	—	2.13	2.19	2.17	2.21	2.37	2.44	2.51	2.52	2.54	2.55	2.59	2.65	2.73	2.85	2.66

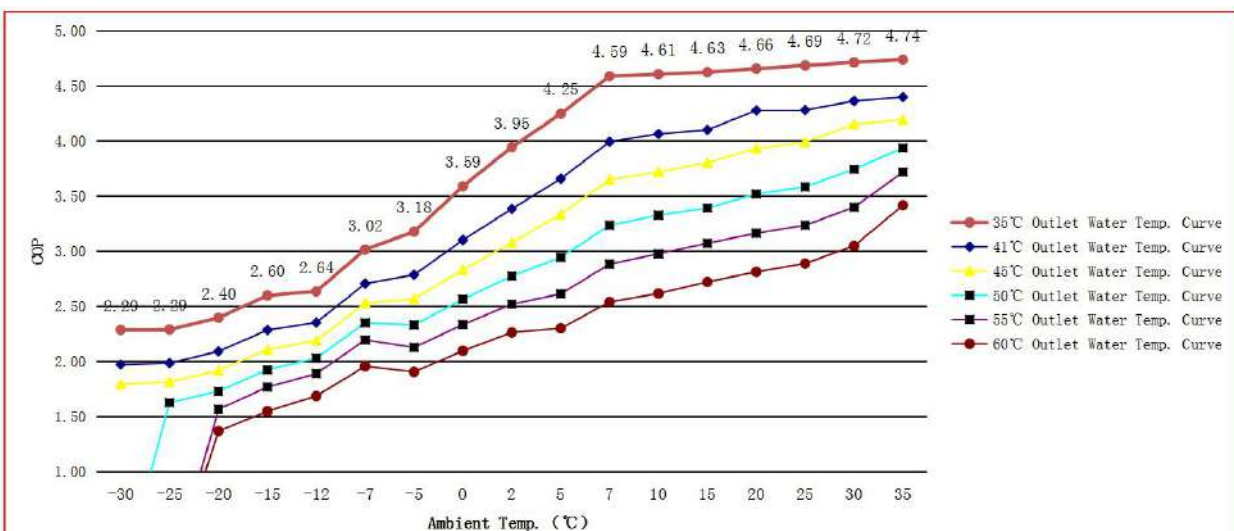
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.29	2.25	2.40	2.60	2.64	3.02	3.18	3.59	3.95	4.25	4.59	4.61	4.63	4.66	4.69	4.72	4.74
41	1.97	1.99	2.09	2.29	2.35	2.71	2.79	3.10	3.39	3.66	4.00	4.07	4.10	4.28	4.28	4.36	4.40
45	1.80	1.82	1.92	2.11	2.19	2.53	2.57	2.83	3.08	3.34	3.65	3.72	3.80	3.93	3.99	4.15	4.19
50	—	1.63	1.73	1.93	2.03	2.35	2.33	2.57	2.78	2.95	3.24	3.33	3.39	3.52	3.59	3.75	3.94
55	—	—	1.57	1.77	1.89	2.20	2.13	2.34	2.52	2.61	2.89	2.98	3.07	3.17	3.24	3.40	3.72
60	—	—	1.37	1.55	1.69	1.96	1.91	2.10	2.27	2.30	2.54	2.62	2.72	2.81	2.89	3.05	3.42

Heating Capacity



COP



P6 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.33	3.46	3.76	4.57	4.71	5.46	5.64	5.85	6.50	7.37	8.25	8.58	9.13	9.80	10.17	10.70	11.20
41	3.21	3.34	3.64	4.45	4.59	5.34	5.46	5.67	6.32	7.19	8.07	8.40	8.95	9.62	9.99	10.52	11.02
45	3.13	3.26	3.56	4.37	4.51	5.26	5.34	5.55	6.20	7.07	7.95	8.28	8.83	9.50	9.87	10.40	10.90
50	—	3.16	3.46	4.27	4.41	5.16	5.24	5.45	6.10	6.82	7.70	8.03	8.58	9.25	9.62	10.15	10.65
55	—	—	3.36	4.17	4.31	5.06	5.14	5.35	6.00	6.57	7.45	7.78	8.33	9.00	9.37	9.90	10.40
60	—	—	3.26	4.07	4.21	4.96	5.04	5.25	5.90	6.32	7.20	7.53	8.08	8.75	9.12	9.65	10.15

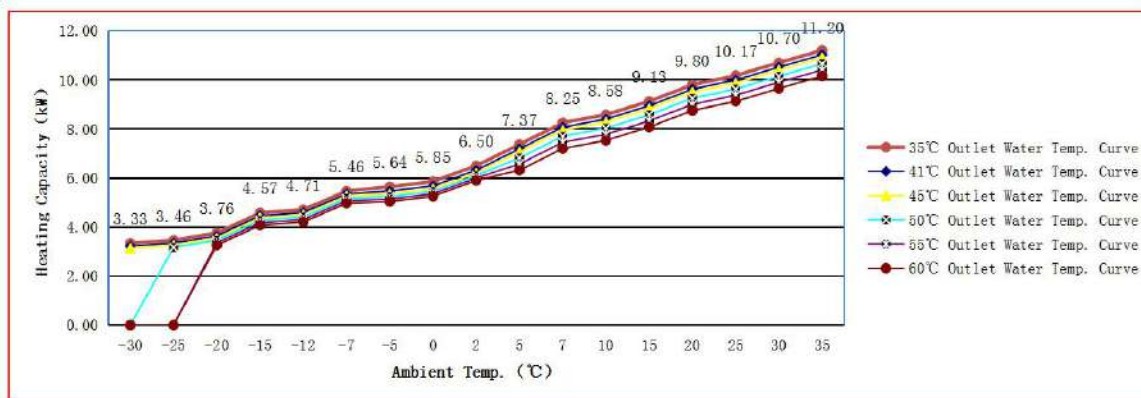
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.46	1.51	1.56	1.61	1.64	1.69	1.71	1.71	1.73	1.78	1.81	1.87	1.98	2.11	2.19	2.29	2.39
41	1.70	1.75	1.80	1.85	1.88	1.93	1.95	1.95	1.97	2.02	2.05	2.11	2.22	2.30	2.43	2.53	2.63
45	1.86	1.91	1.96	2.01	2.04	2.09	2.11	2.11	2.13	2.18	2.21	2.27	2.38	2.46	2.59	2.69	2.79
50	—	2.11	2.16	2.21	2.24	2.29	2.31	2.31	2.33	2.38	2.41	2.47	2.58	2.66	2.79	2.89	2.99
55	—	—	2.36	2.41	2.44	2.49	2.51	2.51	2.53	2.58	2.61	2.67	2.78	2.86	2.99	3.09	3.19
60	—	—	2.61	2.66	2.69	2.74	2.76	2.76	2.78	2.83	2.86	2.92	3.03	3.11	3.24	3.34	3.44

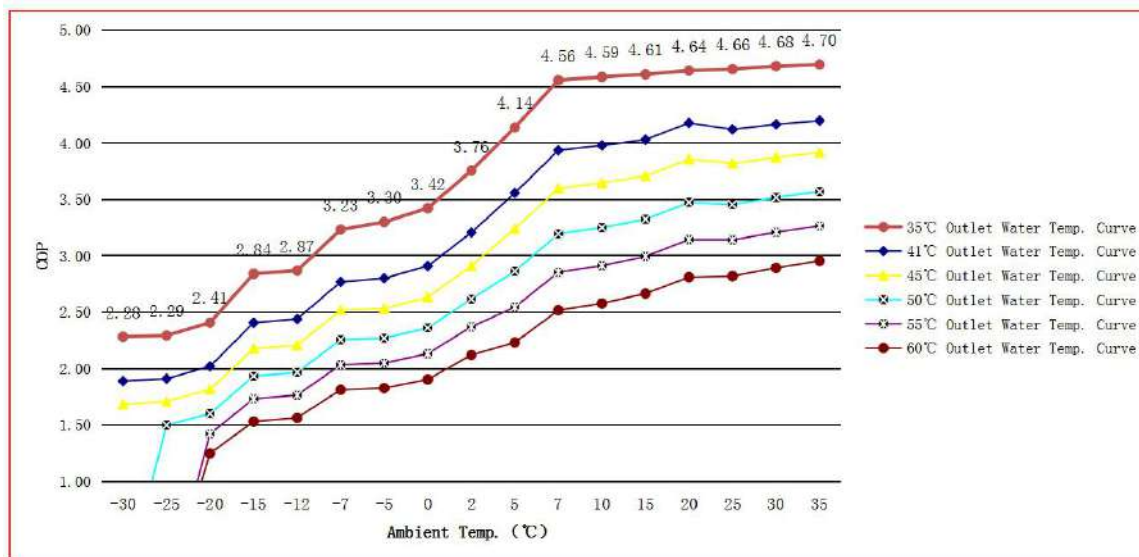
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.28	2.29	2.41	2.84	2.87	3.23	3.30	3.42	3.76	4.14	4.56	4.59	4.64	4.64	4.66	4.68	4.70
41	1.89	1.91	2.02	2.41	2.44	2.77	2.80	2.91	3.21	3.56	3.94	3.98	4.03	4.18	4.12	4.17	4.20
45	1.68	1.71	1.81	2.18	2.21	2.52	2.53	2.63	2.91	3.24	3.60	3.65	3.71	3.86	3.82	3.87	3.91
50	—	1.50	1.60	1.93	1.97	2.26	2.27	2.36	2.62	2.86	3.20	3.25	3.32	3.47	3.46	3.52	3.57
55	—	—	1.42	1.73	1.76	2.03	2.05	2.13	2.37	2.54	2.85	2.91	3.00	3.14	3.14	3.21	3.27
60	—	—	1.25	1.53	1.56	1.81	1.83	1.90	2.12	2.23	2.52	2.58	2.67	2.81	2.82	2.89	2.96

Heating Capacity



COP



P10A 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.05	2.27	2.64	2.89	3.02	3.40	3.55	3.72	3.98	4.38	4.70	4.85	5.09	5.34	5.67	5.93	6.17
41	1.96	2.18	2.55	2.80	2.93	3.29	3.45	3.54	3.80	4.20	4.52	4.67	4.91	5.16	5.49	5.81	6.05
45	1.90	2.12	2.49	2.74	2.86	3.22	3.37	3.42	3.68	4.08	4.40	4.55	4.79	5.04	5.37	5.73	5.97
50	—	2.05	2.42	2.67	2.78	3.13	3.28	3.32	3.58	3.83	4.15	4.30	4.54	4.79	5.12	5.58	5.82
55	—	—	2.34	2.59	2.70	3.04	3.19	3.22	3.48	3.58	3.90	4.05	4.29	4.54	4.87	5.43	5.67
60	—	—	2.27	2.52	2.62	2.94	3.10	3.12	3.38	3.33	3.65	3.80	4.04	4.29	4.62	5.28	5.52

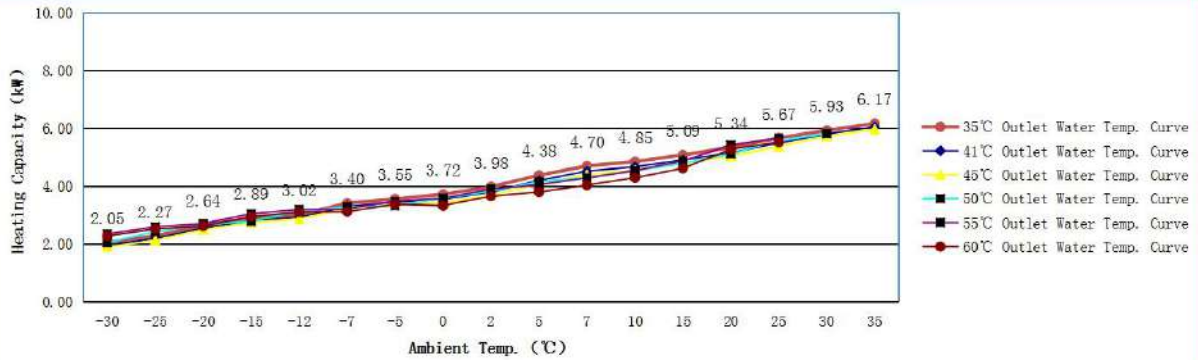
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.05	1.06	1.07	1.09	1.12	1.18	1.22	1.26	1.29
41	0.97	0.99	1.01	1.04	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.19	1.24	1.28	1.32	1.35
45	1.01	1.03	1.05	1.09	1.10	1.12	1.13	1.14	1.15	1.16	1.17	1.19	1.24	1.30	1.33	1.36	1.40
50	—	1.08	1.10	1.14	1.15	1.17	1.18	1.19	1.20	1.21	1.22	1.25	1.30	1.37	1.38	1.41	1.45
55	—	—	1.15	1.19	1.20	1.22	1.23	1.24	1.25	1.26	1.27	1.30	1.36	1.44	1.44	1.46	1.50
60	—	—	1.21	1.24	1.26	1.28	1.29	1.30	1.31	1.32	1.33	1.35	1.44	1.51	1.51	1.53	1.57

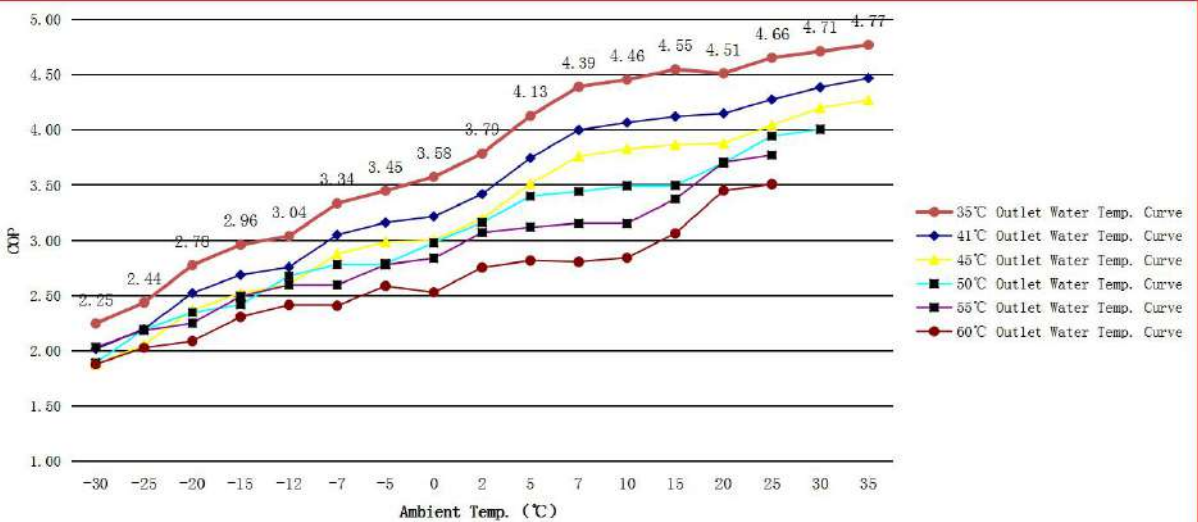
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.25	2.44	2.78	2.96	3.04	3.34	3.45	3.58	3.79	4.13	4.39	4.46	4.55	4.51	4.66	4.71	4.77
41	2.02	2.20	2.52	2.69	2.76	3.05	3.16	3.22	3.42	3.75	4.00	4.07	4.12	4.15	4.28	4.39	4.47
45	1.88	2.05	2.37	2.52	2.60	2.88	2.99	3.00	3.20	3.51	3.76	3.83	3.87	3.88	4.04	4.20	4.27
50	—	1.89	2.19	2.35	2.42	2.68	2.78	2.79	2.98	3.16	3.40	3.44	3.49	3.50	3.70	3.94	4.01
55	—	—	2.03	2.18	2.25	2.49	2.60	2.60	2.78	2.84	3.07	3.12	3.16	3.15	3.38	3.71	3.77
60	—	—	1.88	2.03	2.09	2.31	2.42	2.41	2.59	2.53	2.75	2.82	2.81	2.84	3.06	3.45	3.51

Heating Capacity



COP



P10A 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.33	3.69	4.29	4.70	4.91	5.52	5.77	5.97	6.25	7.03	7.63	7.87	8.26	8.67	9.21	9.62	10.01
41	3.24	3.60	4.20	4.61	4.81	5.42	5.66	5.79	6.07	6.85	7.45	7.69	8.08	8.49	9.03	9.50	9.89
45	3.18	3.54	4.14	4.55	4.75	5.34	5.59	5.67	5.95	6.73	7.33	7.57	7.96	8.37	8.91	9.42	9.81
50	—	3.46	4.07	4.47	4.67	5.25	5.50	5.57	5.85	6.48	7.08	7.32	7.71	8.12	8.66	9.27	9.66
55	—	—	3.99	4.40	4.59	5.16	5.41	5.47	5.75	6.23	6.83	7.07	7.46	7.87	8.41	9.12	9.51
60	—	—	3.92	4.32	4.51	5.06	5.32	5.37	5.65	5.98	6.58	6.82	7.21	7.62	8.16	8.97	9.36

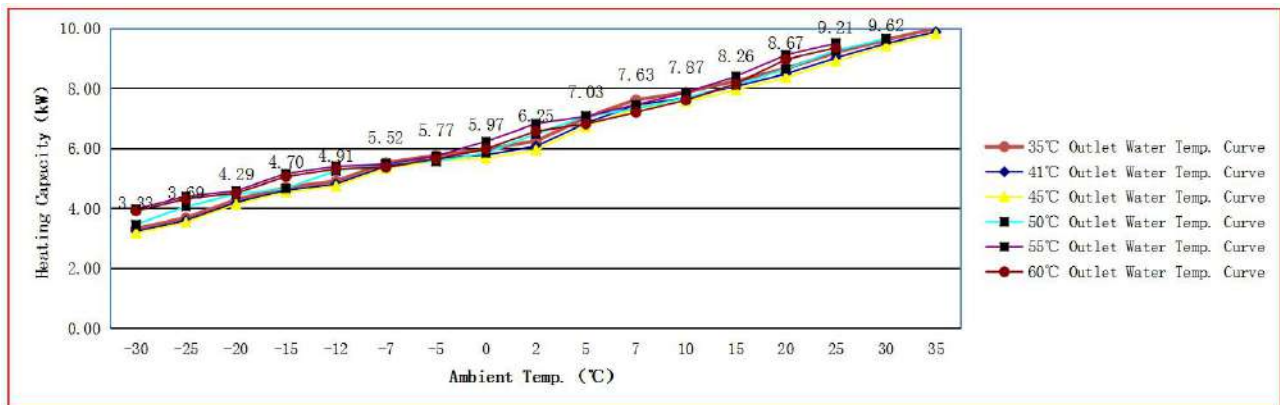
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.63	1.65	1.67	1.70	1.72	1.74	1.75	1.77	1.80	1.83	1.85	1.88	1.94	2.00	2.07	2.11	2.15
41	1.77	1.79	1.81	1.84	1.85	1.88	1.90	1.92	1.94	1.97	2.00	2.03	2.09	2.15	2.21	2.25	2.29
45	1.86	1.88	1.93	1.95	1.97	1.97	2.00	2.02	2.04	2.07	2.10	2.12	2.19	2.24	2.31	2.35	2.38
50	—	2.00	2.02	2.04	2.06	2.09	2.13	2.15	2.16	2.19	2.23	2.24	2.31	2.36	2.43	2.47	2.50
55	—	—	2.13	2.16	2.18	2.20	2.25	2.27	2.28	2.31	2.35	2.36	2.44	2.48	2.55	2.59	2.61
60	—	—	2.28	2.30	2.32	2.35	2.41	2.42	2.44	2.46	2.50	2.51	2.59	2.62	2.69	2.73	2.75

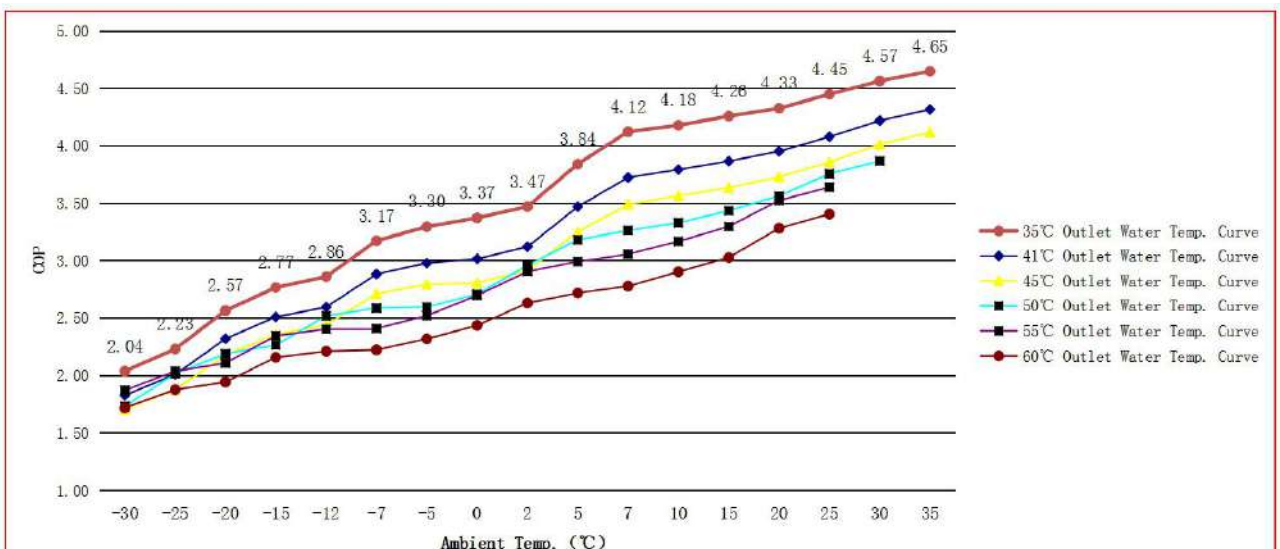
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.04	2.23	2.57	2.77	2.86	3.17	3.30	3.37	3.47	3.84	4.12	4.18	4.26	4.33	4.45	4.57	4.65
41	1.83	2.01	2.32	2.51	2.60	2.88	2.98	3.02	3.12	3.47	3.73	3.79	3.87	3.95	4.08	4.22	4.32
45	1.71	1.88	2.18	2.36	2.44	2.71	2.79	2.81	2.92	3.25	3.49	3.57	3.64	3.73	3.86	4.01	4.12
50	—	1.73	2.02	2.19	2.27	2.52	2.59	2.60	2.71	2.96	3.18	3.26	3.33	3.44	3.56	3.76	3.87
55	—	—	1.87	2.04	2.11	2.35	2.40	2.41	2.52	2.70	2.91	2.99	3.06	3.17	3.30	3.53	3.64
60	—	—	1.72	1.88	1.94	2.16	2.21	2.22	2.32	2.44	2.63	2.72	2.78	2.90	3.03	3.28	3.41

Heating Capacity



COP



P10A 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.50	3.88	4.52	4.94	5.16	5.81	6.07	6.35	6.65	7.32	8.03	8.28	8.69	9.12	9.69	10.13	10.54
41	3.41	3.79	4.43	4.85	5.07	5.70	5.96	6.17	6.47	7.14	7.85	8.10	8.51	8.94	9.51	10.01	10.42
45	3.35	3.73	4.37	4.79	5.00	5.63	5.89	6.05	6.35	7.02	7.73	7.98	8.39	8.82	9.39	9.93	10.34
50	—	3.65	4.29	4.72	4.92	5.54	5.80	5.95	6.25	6.77	7.48	7.73	8.14	8.57	9.14	9.78	10.19
55	—	—	4.22	4.64	4.84	5.45	5.71	5.85	6.15	6.52	7.23	7.48	7.89	8.32	8.89	9.63	10.04
60	—	—	4.14	4.57	4.76	5.35	5.62	5.75	6.05	6.27	6.98	7.23	7.64	8.07	8.64	9.48	9.89

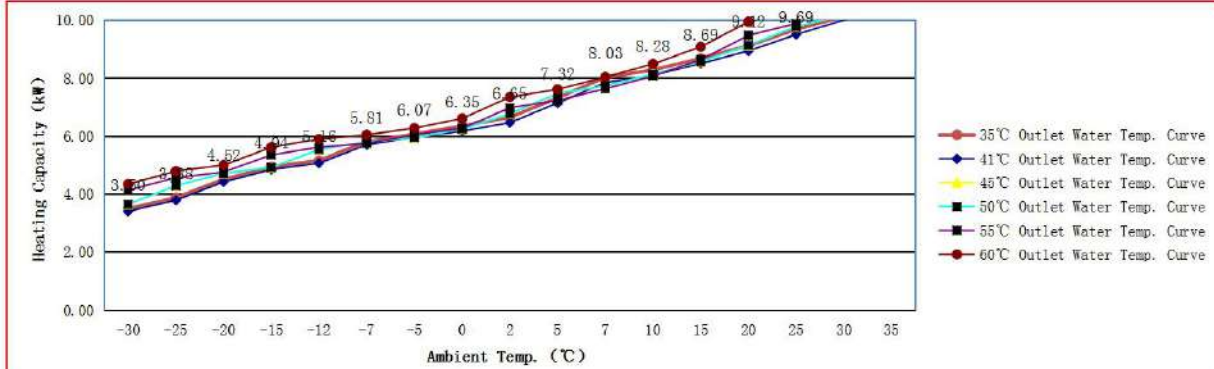
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.76	1.78	1.80	1.83	1.85	1.87	1.88	1.90	1.93	1.96	2.00	2.03	2.09	2.15	2.22	2.26	2.30
41	1.92	1.94	1.96	1.98	2.00	2.03	2.04	2.06	2.09	2.12	2.16	2.19	2.25	2.31	2.37	2.41	2.45
45	2.03	2.04	2.06	2.09	2.11	2.13	2.14	2.17	2.19	2.22	2.27	2.29	2.36	2.41	2.48	2.52	2.56
50	—	2.17	2.19	2.22	2.24	2.26	2.28	2.31	2.32	2.35	2.41	2.42	2.49	2.54	2.61	2.65	2.69
55	—	—	2.32	2.35	2.37	2.39	2.41	2.44	2.45	2.48	2.54	2.55	2.63	2.67	2.74	2.78	2.82
60	—	—	2.49	2.51	2.53	2.56	2.57	2.60	2.62	2.64	2.70	2.71	2.79	2.82	2.89	2.93	2.97

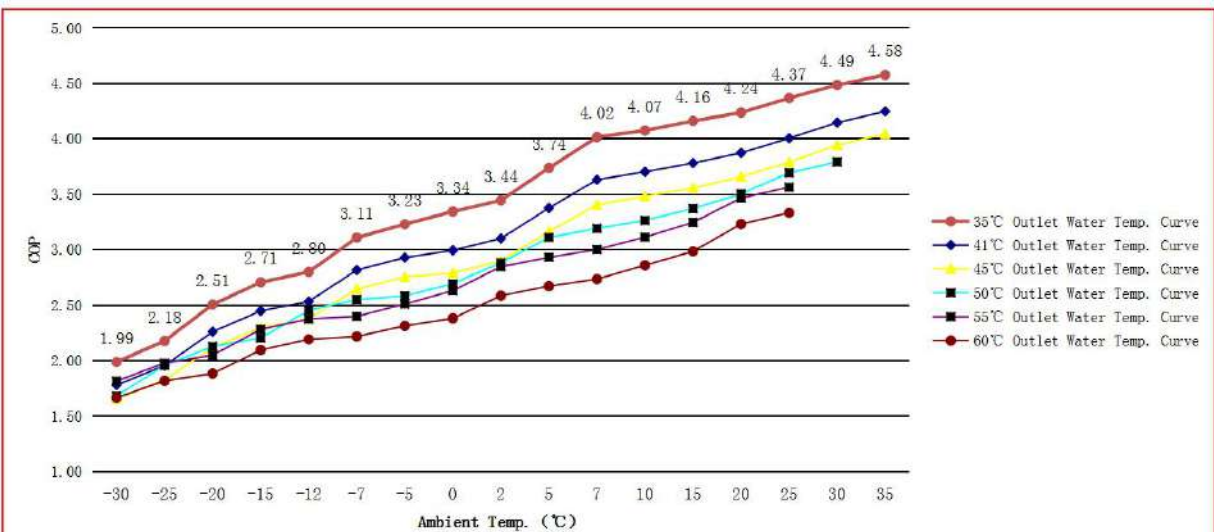
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.99	2.18	2.51	2.71	2.80	3.11	3.23	3.34	3.44	3.74	4.02	4.07	4.16	4.24	4.37	4.49	4.58
41	1.78	1.96	2.26	2.45	2.53	2.82	2.93	2.99	3.10	3.38	3.63	3.70	3.78	3.87	4.00	4.15	4.25
45	1.65	1.83	2.12	2.30	2.38	2.64	2.75	2.79	2.90	3.16	3.41	3.48	3.56	3.66	3.79	3.94	4.04
50	—	1.68	1.96	2.13	2.20	2.45	2.55	2.58	2.69	2.88	3.11	3.19	3.26	3.37	3.50	3.69	3.79
55	—	—	1.82	1.98	2.05	2.28	2.38	2.40	2.51	2.63	2.85	2.93	3.00	3.11	3.25	3.47	3.56
60	—	—	1.66	1.82	1.88	2.10	2.19	2.22	2.31	2.38	2.59	2.67	2.73	2.86	2.99	3.23	3.33

Heating Capacity



COP



P10A 60Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.66	4.06	4.72	5.17	5.40	6.08	6.35	6.65	6.88	7.66	8.40	8.67	9.09	9.54	10.13	10.60	11.02
41	3.57	3.97	4.63	5.08	5.31	5.97	6.24	6.47	6.70	7.48	8.22	8.49	8.91	9.36	9.95	10.48	10.90
45	3.51	3.91	4.57	5.02	5.24	5.90	6.17	6.35	6.58	7.36	8.10	8.37	8.79	9.24	9.83	10.40	10.82
50	—	3.83	4.50	4.95	5.16	5.81	6.08	6.25	6.48	7.11	7.85	8.12	8.54	8.99	9.58	10.25	10.67
55	—	—	4.42	4.87	5.08	5.72	5.99	6.15	6.38	6.86	7.60	7.87	8.29	8.74	9.33	10.10	10.52
60	—	—	4.35	4.80	5.00	5.62	5.90	6.05	6.28	6.61	7.35	7.62	8.04	8.49	9.08	9.95	10.37

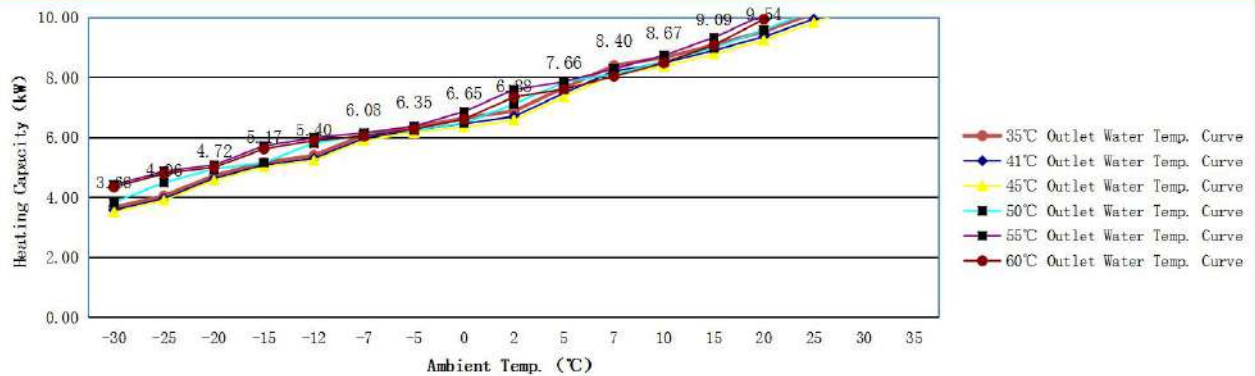
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.95	1.97	1.99	2.02	2.04	2.06	2.07	2.09	2.12	2.13	2.15	2.18	2.24	2.30	2.37	2.41	2.45
41	2.11	2.13	2.15	2.18	2.20	2.22	2.23	2.26	2.28	2.29	2.32	2.35	2.41	2.47	2.53	2.57	2.61
45	2.22	2.24	2.26	2.29	2.31	2.33	2.34	2.38	2.39	2.40	2.44	2.45	2.53	2.57	2.64	2.68	2.72
50	—	2.38	2.40	2.42	2.44	2.47	2.48	2.53	2.53	2.54	2.59	2.59	2.67	2.71	2.77	2.81	2.85
55	—	—	2.53	2.56	2.58	2.60	2.61	2.67	2.66	2.67	2.73	2.72	2.82	2.84	2.91	2.95	2.99
60	—	—	2.71	2.73	2.75	2.78	2.81	2.83	2.84	2.85	2.91	2.89	2.99	3.00	3.07	3.11	3.15

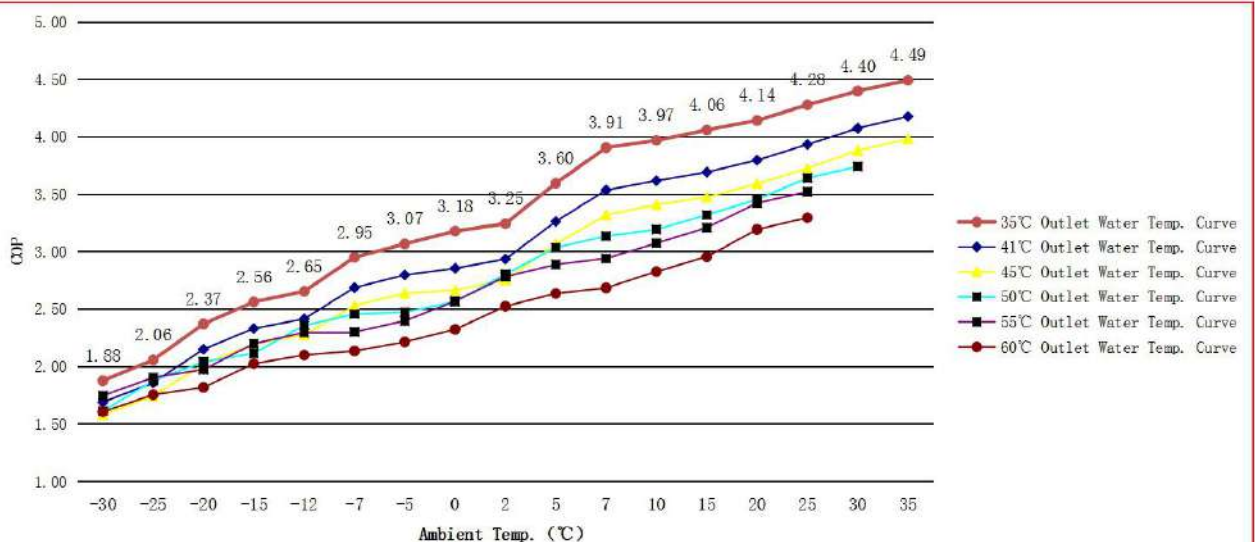
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.88	2.06	2.37	2.56	2.65	2.95	3.07	3.18	3.25	3.60	3.91	3.97	4.06	4.14	4.28	4.40	4.49
41	1.69	1.86	2.15	2.33	2.42	2.69	2.80	2.86	2.94	3.26	3.54	3.62	3.69	3.80	3.93	4.08	4.18
45	1.58	1.74	2.02	2.20	2.27	2.53	2.64	2.67	2.75	3.07	3.32	3.41	3.48	3.59	3.73	3.88	3.98
50	—	1.61	1.88	2.04	2.12	2.36	2.46	2.47	2.57	2.81	3.04	3.14	3.19	3.32	3.46	3.64	3.74
55	—	—	1.75	1.90	1.97	2.20	2.30	2.30	2.40	2.57	2.78	2.89	2.94	3.08	3.21	3.42	3.52
60	—	—	1.61	1.76	1.82	2.03	2.10	2.14	2.22	2.32	2.53	2.64	2.69	2.83	2.96	3.19	3.30

Heating Capacity



COP



P10A 66Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.90	4.32	5.03	5.51	5.76	6.48	6.77	7.08	7.41	8.16	8.95	9.23	9.68	10.17	10.80	11.29	11.74
41	3.81	4.23	4.94	5.42	5.66	6.37	6.66	6.90	7.23	7.98	8.77	9.05	9.50	9.99	10.62	11.17	11.62
45	3.75	4.17	4.88	5.36	5.60	6.30	6.59	6.78	7.11	7.86	8.65	8.93	9.38	9.87	10.50	11.09	11.54
50	—	4.10	4.81	5.28	5.52	6.21	6.50	6.68	7.01	7.61	8.40	8.68	9.13	9.62	10.25	10.94	11.39
55	—	—	4.73	5.21	5.44	6.12	6.41	6.58	6.91	7.36	8.15	8.43	8.88	9.37	10.00	10.79	11.24
60	—	—	4.66	5.13	5.36	6.02	6.32	6.48	6.81	7.11	7.90	8.18	8.63	9.12	9.75	10.64	11.09

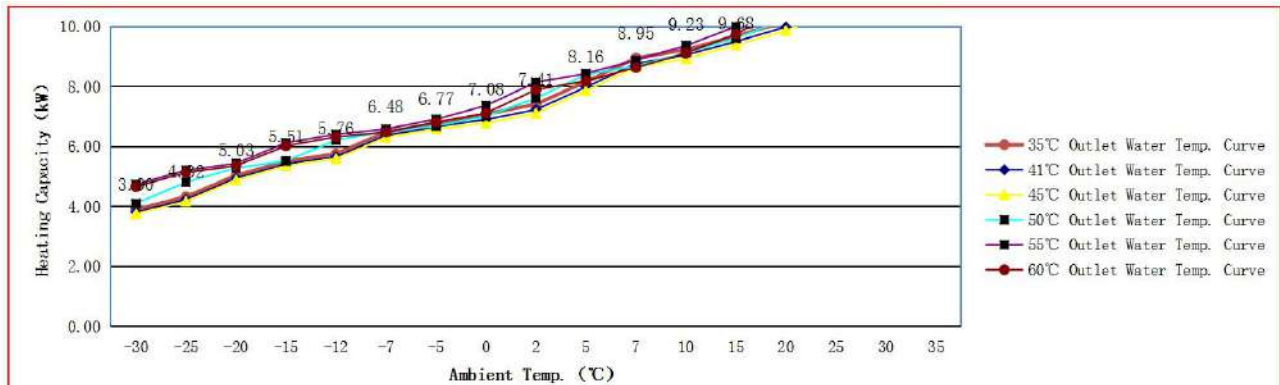
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.15	2.17	2.19	2.22	2.24	2.26	2.27	2.28	2.31	2.32	2.35	2.38	2.44	2.50	2.57	2.62	2.67
41	2.37	2.39	2.39	2.43	2.45	2.48	2.49	2.50	2.49	2.49	2.54	2.56	2.61	2.68	2.74	2.79	2.83
45	2.51	2.53	2.52	2.58	2.60	2.62	2.63	2.64	2.61	2.61	2.67	2.67	2.73	2.79	2.86	2.91	2.95
50	—	2.71	2.69	2.76	2.78	2.80	2.81	2.82	2.75	2.76	2.83	2.82	2.87	2.94	3.00	3.05	3.09
55	—	—	2.85	2.94	2.96	2.98	2.99	3.00	2.90	2.90	2.99	2.96	3.02	3.08	3.15	3.20	3.24
60	—	—	3.06	3.14	3.18	3.21	3.22	3.23	3.09	3.09	3.19	3.14	3.19	3.26	3.32	3.37	3.41

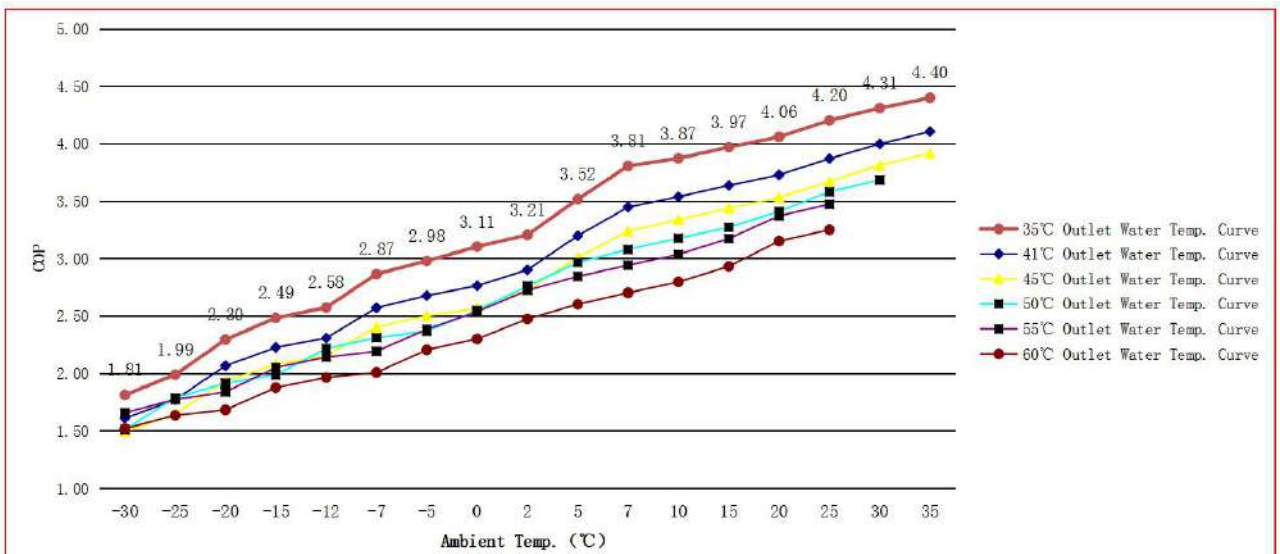
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.81	1.99	2.30	2.49	2.58	2.87	2.98	3.11	3.21	3.52	3.81	3.87	3.97	4.06	4.20	4.31	4.40
41	1.61	1.77	2.07	2.23	2.31	2.57	2.68	2.76	2.90	3.20	3.45	3.54	3.64	3.73	3.87	4.00	4.11
45	1.49	1.65	1.94	2.08	2.16	2.40	2.50	2.57	2.73	3.01	3.24	3.34	3.44	3.53	3.67	3.81	3.92
50	—	1.51	1.79	1.92	1.99	2.22	2.31	2.37	2.55	2.76	2.97	3.08	3.18	3.27	3.41	3.58	3.69
55	—	—	1.66	1.77	1.84	2.05	2.14	2.19	2.39	2.54	2.73	2.85	2.94	3.04	3.18	3.37	3.47
60	—	—	1.52	1.64	1.68	1.88	1.97	2.01	2.21	2.30	2.48	2.60	2.70	2.80	2.93	3.15	3.25

Heating Capacity



COP



P10A 72Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.19	4.64	5.40	5.91	6.17	6.95	7.26	7.60	7.95	8.76	9.60	9.90	10.39	10.91	11.58	12.11	12.60
41	4.10	4.55	5.31	5.82	6.08	6.84	7.15	7.42	7.77	8.58	9.42	9.72	10.21	10.73	11.40	11.99	12.48
45	4.04	4.49	5.25	5.76	6.01	6.77	7.08	7.30	7.65	8.46	9.30	9.60	10.09	10.61	11.28	11.91	12.40
50	—	4.41	5.17	5.68	5.93	6.68	6.99	7.20	7.55	8.21	9.05	9.35	9.84	10.36	11.03	11.76	12.25
55	—	—	5.10	5.61	5.85	6.59	6.90	7.10	7.45	7.96	8.80	9.10	9.59	10.11	10.78	11.61	12.10
60	—	—	5.02	5.53	5.77	6.49	6.81	7.00	7.35	7.71	8.55	8.85	9.34	9.86	10.53	11.46	11.95

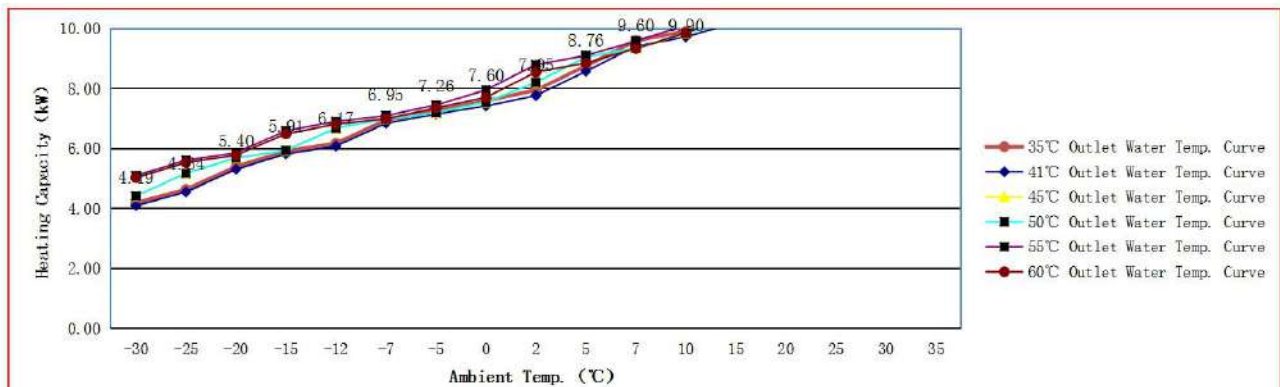
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.36	2.38	2.40	2.43	2.45	2.47	2.48	2.48	2.50	2.52	2.55	2.59	2.65	2.72	2.80	2.86	2.92
41	2.60	2.62	2.64	2.67	2.69	2.71	2.72	2.72	2.69	2.71	2.76	2.77	2.83	2.91	2.99	3.04	3.10
45	2.76	2.78	2.80	2.83	2.85	2.87	2.88	2.88	2.81	2.83	2.90	2.90	2.96	3.03	3.11	3.17	3.23
50	—	2.98	3.00	3.03	3.05	3.07	3.08	3.08	2.97	2.99	3.08	3.05	3.11	3.19	3.27	3.32	3.38
55	—	—	3.20	3.23	3.25	3.27	3.28	3.28	3.12	3.14	3.25	3.21	3.27	3.34	3.42	3.48	3.54
60	—	—	3.45	3.43	3.50	3.52	3.53	3.53	3.31	3.33	3.47	3.40	3.46	3.53	3.61	3.67	3.73

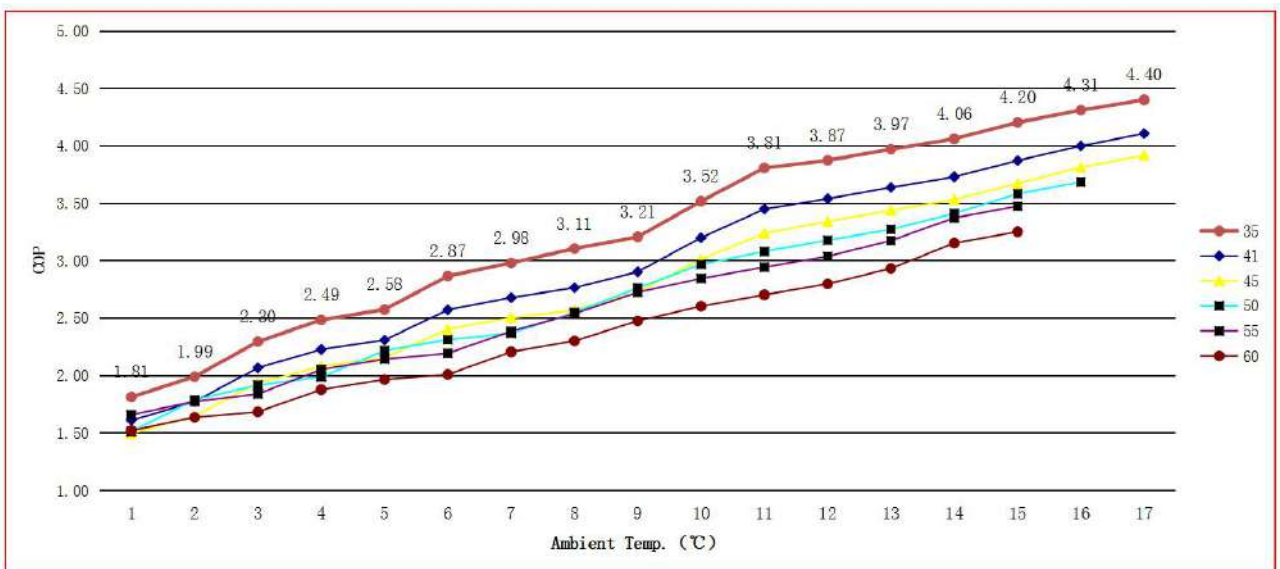
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.77	1.95	2.25	2.44	2.53	2.81	2.93	3.06	3.18	3.47	3.76	3.83	3.93	4.01	4.14	4.24	4.32
41	1.57	1.73	2.01	2.18	2.26	2.52	2.63	2.73	2.89	3.17	3.41	3.51	3.60	3.69	3.82	3.94	4.02
45	1.46	1.61	1.87	2.04	2.11	2.36	2.46	2.53	2.72	2.99	3.21	3.32	3.41	3.50	3.63	3.76	3.84
50	—	1.48	1.72	1.88	1.95	2.18	2.27	2.34	2.55	2.75	2.94	3.07	3.16	3.25	3.38	3.54	3.62
55	—	—	1.59	1.74	1.80	2.02	2.10	2.16	2.39	2.53	2.71	2.84	2.94	3.02	3.15	3.34	3.42
60	—	—	1.46	1.62	1.65	1.84	1.93	1.98	2.22	2.31	2.47	2.61	2.70	2.79	2.92	3.13	3.21

Heating Capacity



COP



P10A 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.56	5.10	6.05	6.62	6.73	7.57	8.16	8.80	9.45	10.31	11.30	11.69	12.39	13.01	13.66	14.28	14.90
41	4.44	4.98	5.93	6.50	6.65	7.49	8.05	8.62	9.27	10.13	11.12	11.51	12.21	12.83	13.48	14.16	14.78
45	4.36	4.90	5.85	6.42	6.61	7.41	7.97	8.50	9.15	10.01	11.00	11.39	12.09	12.71	13.36	14.08	14.70
50	—	4.80	5.75	6.35	6.55	7.31	7.87	8.40	9.05	9.76	10.75	11.14	11.84	12.46	13.11	13.93	14.55
55	—	—	5.65	6.28	6.45	7.21	7.77	8.30	8.95	9.51	10.50	10.89	11.59	12.21	12.86	13.78	14.40
60	—	—	—	5.55	6.18	6.38	7.11	7.67	8.20	8.85	9.26	10.25	10.64	11.34	11.96	12.61	13.42

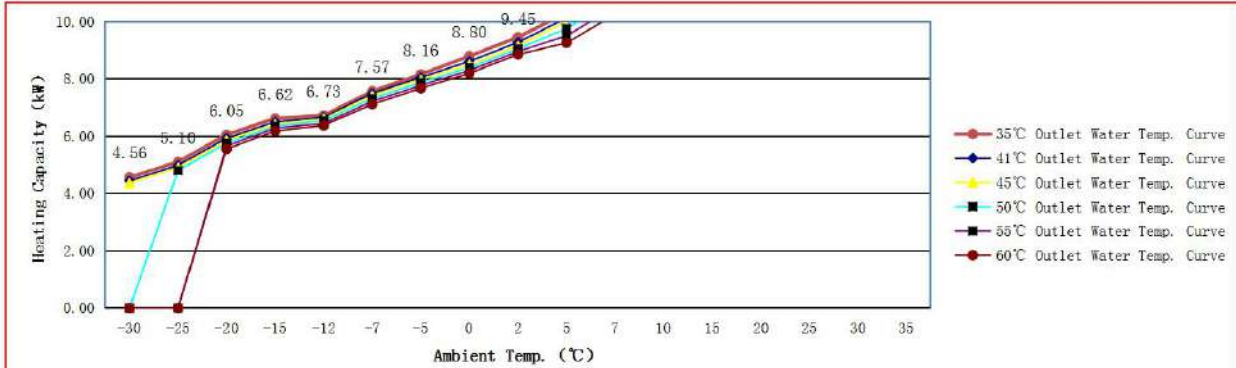
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.75	2.77	2.80	2.82	2.85	2.89	2.91	2.94	2.95	3.00	3.05	3.11	3.21	3.31	3.39	3.49	3.59
41	3.08	3.10	3.13	3.15	3.18	3.22	3.21	3.24	3.25	3.30	3.35	3.41	3.45	3.55	3.63	3.73	3.83
45	3.30	3.32	3.35	3.37	3.40	3.44	3.39	3.44	3.45	3.46	3.55	3.57	3.61	3.71	3.79	3.89	3.99
50	—	3.57	3.62	3.65	3.67	3.72	3.62	3.69	3.70	3.71	3.80	3.77	3.81	3.91	3.99	4.09	4.19
55	—	—	3.90	3.92	3.95	3.99	3.84	3.94	3.95	3.96	4.05	3.97	4.01	4.11	4.19	4.29	4.39
60	—	—	4.20	4.22	4.25	4.29	4.14	4.24	4.25	4.26	4.35	4.17	4.26	4.36	4.44	4.54	4.62

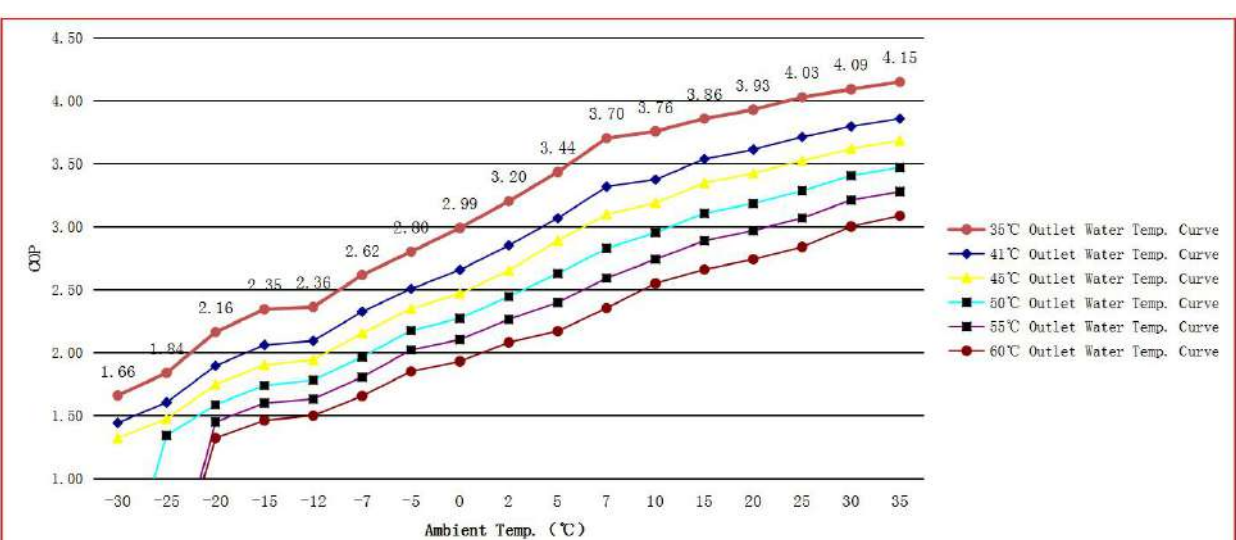
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.66	1.84	2.16	2.35	2.36	2.62	2.80	2.99	3.20	3.44	3.70	3.76	3.86	3.93	4.03	4.09	4.15
41	1.44	1.61	1.90	2.06	2.10	2.33	2.51	2.66	2.85	3.07	3.32	3.38	3.54	3.61	3.71	3.80	3.86
45	1.32	1.48	1.75	1.90	1.95	2.16	2.35	2.47	2.65	2.89	3.10	3.19	3.35	3.43	3.53	3.62	3.68
50	—	1.34	1.59	1.74	1.78	1.97	2.18	2.28	2.45	2.63	2.83	2.96	3.11	3.19	3.29	3.41	3.47
55	—	—	1.45	1.60	1.63	1.81	2.02	2.11	2.27	2.40	2.59	2.74	2.89	2.97	3.07	3.21	3.28
60	—	—	1.32	1.46	1.50	1.66	1.85	1.93	2.08	2.17	2.36	2.55	2.66	2.74	2.84	3.00	3.09

Heating Capacity



COP



P10A 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.59	5.64	6.55	7.10	7.60	8.37	8.74	9.49	10.45	11.16	12.50	12.67	13.48	14.62	15.19	15.97	16.72
41	4.36	5.44	6.34	6.89	7.45	8.22	8.56	9.31	10.27	10.98	12.32	12.49	13.30	14.44	15.01	15.79	16.54
45	4.21	5.30	6.21	6.77	7.35	8.12	8.44	9.19	10.15	10.86	12.20	12.37	13.18	14.32	14.89	15.67	16.42
50	—	5.13	6.04	6.62	7.22	8.00	8.34	9.09	10.05	10.61	11.95	12.12	12.93	14.07	14.64	15.42	16.17
55	—	—	5.84	6.42	7.10	7.87	8.24	8.99	9.95	10.36	11.70	11.87	12.68	13.82	14.39	15.17	15.92
60	—	—	5.64	6.22	6.90	7.70	8.14	8.89	9.85	10.11	11.45	11.62	12.43	13.57	14.14	14.92	15.67

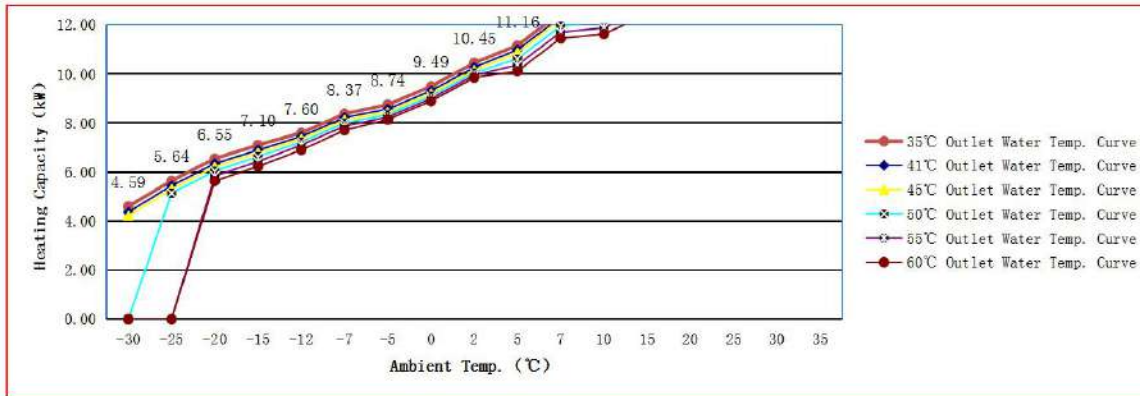
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.17	3.19	3.22	3.24	3.26	3.28	3.29	3.34	3.36	3.40	3.44	3.49	3.59	3.70	3.82	3.92	4.05
41	3.50	3.52	3.55	3.57	3.59	3.61	3.62	3.67	3.69	3.73	3.77	3.73	3.92	3.94	4.06	4.16	4.29
45	3.72	3.74	3.77	3.79	3.81	3.83	3.84	3.89	3.91	3.95	3.99	3.89	4.14	4.10	4.22	4.32	4.45
50	—	4.02	4.04	4.07	4.08	4.13	4.12	4.17	4.19	4.23	4.27	4.09	4.42	4.30	4.42	4.52	4.65
55	—	—	4.32	4.34	4.36	4.41	4.39	4.44	4.46	4.50	4.54	4.29	4.69	4.50	4.62	4.72	4.85
60	—	—	4.62	4.64	4.66	4.71	4.67	4.72	4.74	4.78	4.84	4.59	4.99	4.80	4.92	5.02	5.15

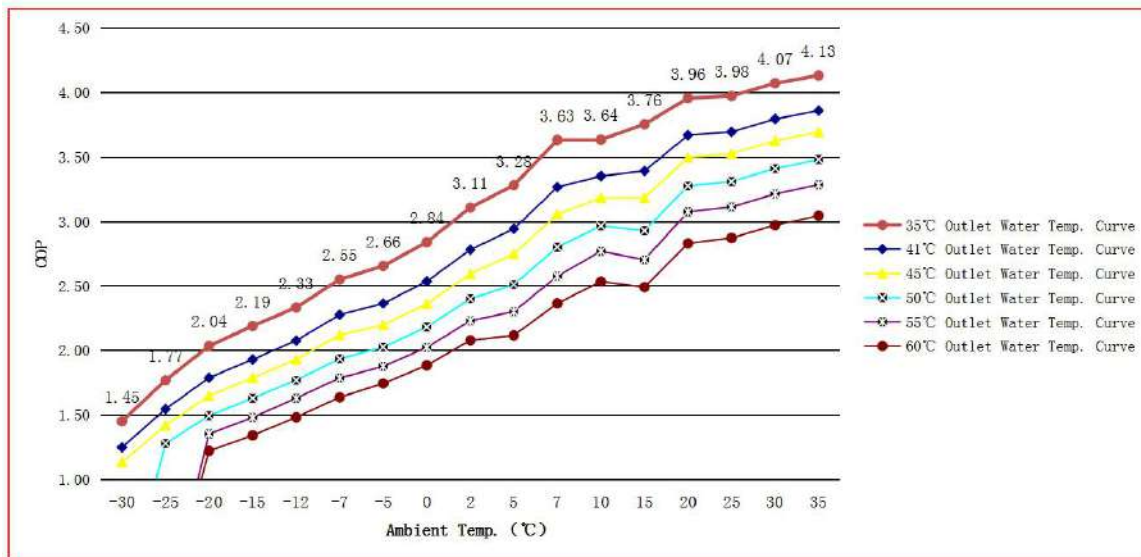
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.45	1.77	2.04	2.19	2.33	2.55	2.66	2.84	3.11	3.28	3.63	3.64	3.76	3.96	3.98	4.07	4.13
41	1.25	1.55	1.79	1.93	2.08	2.28	2.36	2.54	2.78	2.94	3.27	3.35	3.39	3.67	3.70	3.80	3.86
45	1.13	1.42	1.65	1.79	1.93	2.12	2.20	2.36	2.59	2.75	3.06	3.18	3.18	3.50	3.53	3.63	3.69
50	—	1.28	1.49	1.63	1.77	1.94	2.03	2.18	2.40	2.51	2.80	2.97	2.93	3.28	3.31	3.41	3.48
55	—	—	1.35	1.48	1.63	1.79	1.88	2.02	2.23	2.30	2.58	2.77	2.70	3.08	3.11	3.21	3.29
60	—	—	1.22	1.34	1.48	1.64	1.74	1.88	2.08	2.12	2.37	2.53	2.49	2.83	2.87	2.97	3.05

Heating Capacity



COP



P10T 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.05	2.27	2.64	2.89	3.02	3.40	3.55	3.72	3.98	4.38	4.70	4.85	5.09	5.34	5.67	5.93	6.17
41	1.96	2.18	2.55	2.80	2.93	3.29	3.45	3.54	3.80	4.20	4.52	4.67	4.91	5.16	5.49	5.81	6.05
45	1.90	2.12	2.49	2.74	2.86	3.22	3.37	3.42	3.68	4.08	4.40	4.55	4.79	5.04	5.37	5.73	5.97
50	—	2.05	2.42	2.67	2.78	3.13	3.28	3.32	3.58	3.83	4.15	4.30	4.54	4.79	5.12	5.58	5.82
55	—	—	2.34	2.59	2.70	3.04	3.19	3.22	3.48	3.58	3.90	4.05	4.29	4.54	4.87	5.43	5.67
60	—	—	2.27	2.52	2.62	2.94	3.10	3.12	3.38	3.33	3.65	3.80	4.04	4.29	4.62	5.28	5.52

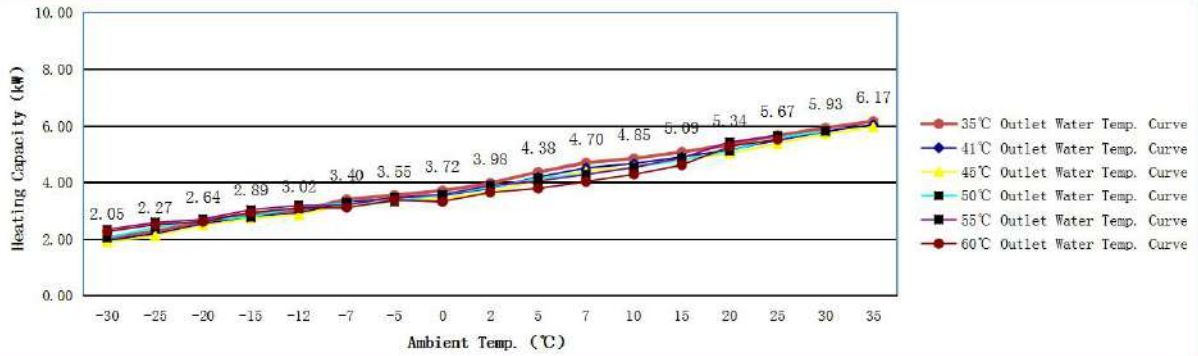
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	0.91	0.93	0.95	0.98	1.00	1.02	1.03	1.04	1.05	1.06	1.07	1.09	1.12	1.18	1.22	1.26	1.29
41	0.97	0.99	1.01	1.04	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.19	1.24	1.28	1.32	1.35
45	1.01	1.03	1.05	1.09	1.10	1.12	1.13	1.14	1.15	1.16	1.17	1.19	1.24	1.30	1.33	1.36	1.40
50	—	1.08	1.10	1.14	1.15	1.17	1.18	1.19	1.20	1.21	1.22	1.25	1.30	1.37	1.38	1.41	1.45
55	—	—	1.15	1.19	1.20	1.22	1.23	1.24	1.25	1.26	1.27	1.30	1.36	1.44	1.44	1.46	1.50
60	—	—	1.21	1.24	1.26	1.28	1.29	1.30	1.31	1.32	1.33	1.35	1.44	1.51	1.51	1.53	1.57

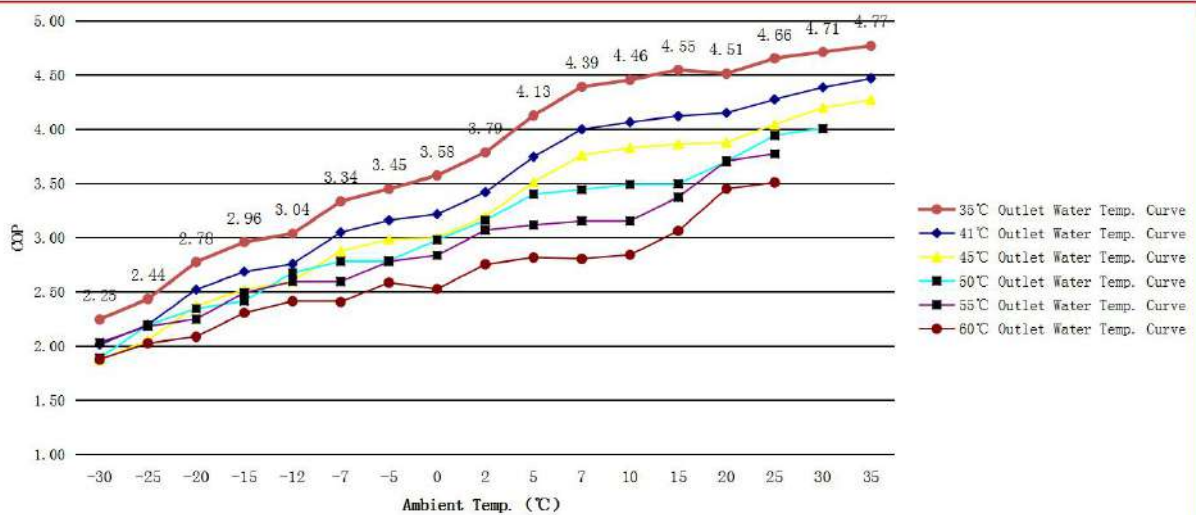
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.25	2.44	2.78	2.96	3.04	3.34	3.45	3.58	3.79	4.13	4.39	4.46	4.55	4.51	4.66	4.71	4.77
41	2.02	2.20	2.52	2.69	2.76	3.05	3.16	3.22	3.42	3.75	4.00	4.07	4.12	4.15	4.28	4.39	4.47
45	1.88	2.05	2.37	2.52	2.60	2.88	2.99	3.00	3.20	3.51	3.76	3.83	3.87	3.88	4.04	4.20	4.27
50	—	1.89	2.19	2.35	2.42	2.68	2.78	2.79	2.98	3.16	3.40	3.44	3.49	3.50	3.70	3.94	4.01
55	—	—	2.03	2.18	2.25	2.49	2.60	2.60	2.78	2.84	3.07	3.12	3.16	3.15	3.38	3.71	3.77
60	—	—	1.88	2.03	2.09	2.31	2.42	2.41	2.59	2.53	2.75	2.82	2.81	2.84	3.06	3.45	3.51

Heating Capacity



COP



P10T 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.33	3.69	4.29	4.70	4.91	5.52	5.77	5.97	6.25	7.03	7.63	7.87	8.26	8.67	9.21	9.62	10.01
41	3.24	3.60	4.20	4.61	4.81	5.42	5.66	5.79	6.07	6.85	7.45	7.69	8.08	8.49	9.03	9.50	9.89
45	3.18	3.54	4.14	4.55	4.75	5.34	5.59	5.67	5.95	6.73	7.33	7.57	7.96	8.37	8.91	9.42	9.81
50	—	3.46	4.07	4.47	4.67	5.25	5.50	5.57	5.85	6.48	7.08	7.32	7.71	8.12	8.66	9.27	9.66
55	—	—	3.99	4.40	4.59	5.16	5.41	5.47	5.75	6.23	6.83	7.07	7.46	7.87	8.41	9.12	9.51
60	—	—	3.92	4.32	4.51	5.06	5.32	5.37	5.65	5.98	6.58	6.82	7.21	7.62	8.16	8.97	9.36

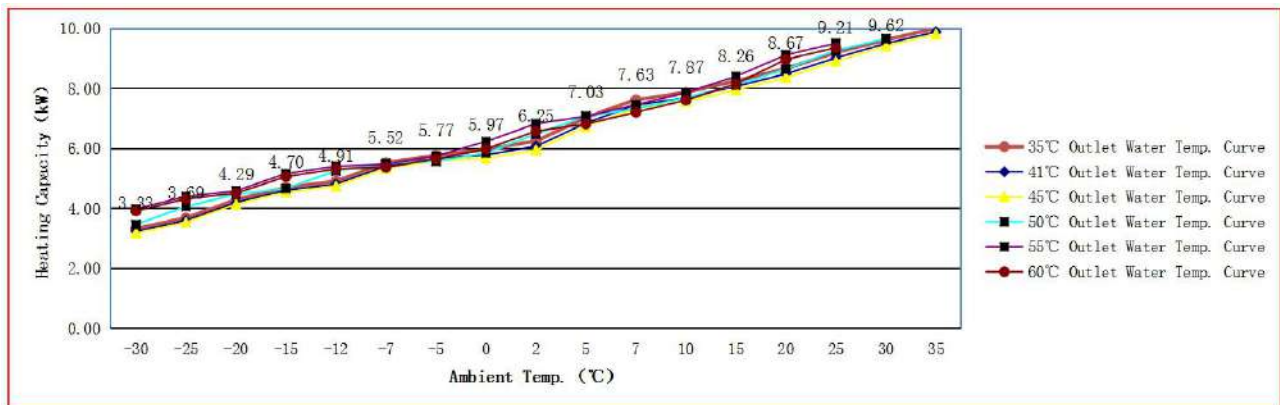
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.63	1.65	1.67	1.70	1.72	1.74	1.75	1.77	1.80	1.83	1.85	1.88	1.94	2.00	2.07	2.11	2.15
41	1.77	1.79	1.81	1.84	1.85	1.88	1.90	1.92	1.94	1.97	2.00	2.03	2.09	2.15	2.21	2.25	2.29
45	1.86	1.88	1.93	1.95	1.97	1.97	2.00	2.02	2.04	2.07	2.10	2.12	2.19	2.24	2.31	2.35	2.38
50	—	2.00	2.02	2.04	2.06	2.09	2.13	2.15	2.16	2.19	2.23	2.24	2.31	2.36	2.43	2.47	2.50
55	—	—	2.13	2.16	2.18	2.20	2.25	2.27	2.28	2.31	2.35	2.36	2.44	2.48	2.55	2.59	2.61
60	—	—	2.28	2.30	2.32	2.35	2.41	2.42	2.44	2.46	2.50	2.51	2.59	2.62	2.69	2.73	2.75

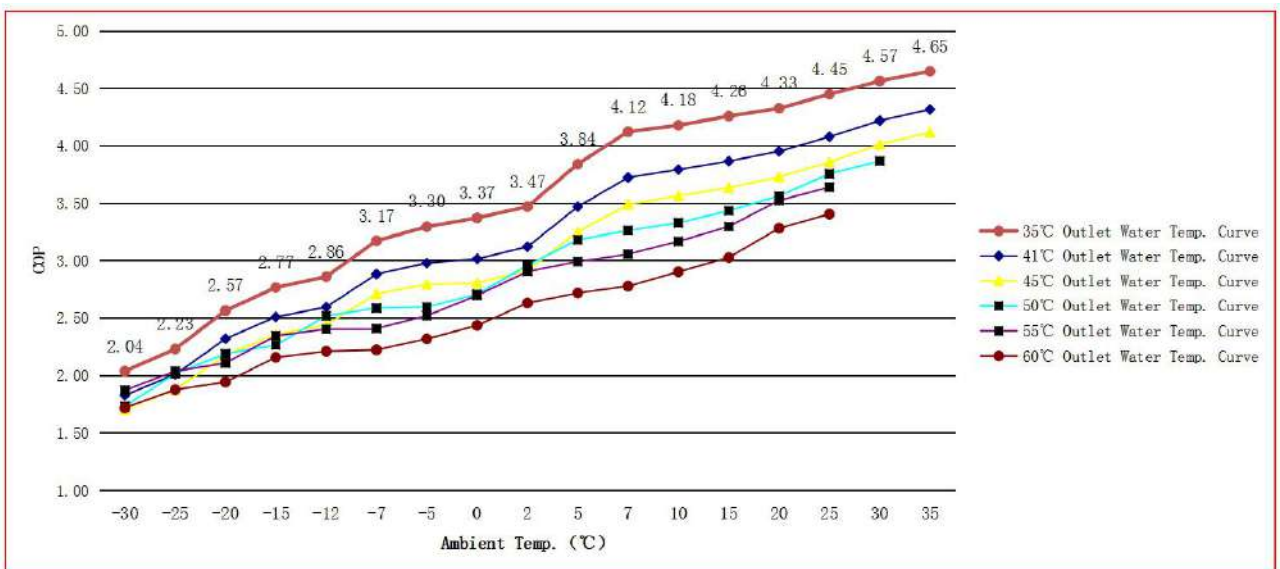
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.04	2.23	2.57	2.77	2.86	3.17	3.30	3.37	3.47	3.84	4.12	4.18	4.26	4.33	4.45	4.57	4.65
41	1.83	2.01	2.32	2.51	2.60	2.88	2.98	3.02	3.12	3.47	3.73	3.79	3.87	3.95	4.08	4.22	4.32
45	1.71	1.88	2.18	2.36	2.44	2.71	2.79	2.81	2.92	3.25	3.49	3.57	3.64	3.73	3.86	4.01	4.12
50	—	1.73	2.02	2.19	2.27	2.52	2.59	2.60	2.71	2.96	3.18	3.26	3.33	3.44	3.56	3.76	3.87
55	—	—	1.87	2.04	2.11	2.35	2.40	2.41	2.52	2.70	2.91	2.99	3.06	3.17	3.30	3.53	3.64
60	—	—	1.72	1.88	1.94	2.16	2.21	2.22	2.32	2.44	2.63	2.72	2.78	2.90	3.03	3.28	3.41

Heating Capacity



COP



P10T 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.50	3.88	4.52	4.94	5.16	5.81	6.07	6.35	6.65	7.32	8.03	8.28	8.69	9.12	9.69	10.13	10.54
41	3.41	3.79	4.43	4.85	5.07	5.70	5.96	6.17	6.47	7.14	7.85	8.10	8.51	8.94	9.51	10.01	10.42
45	3.35	3.73	4.37	4.79	5.00	5.63	5.89	6.05	6.35	7.02	7.73	7.98	8.39	8.82	9.39	9.93	10.34
50	—	3.65	4.29	4.72	4.92	5.54	5.80	5.95	6.25	6.77	7.48	7.73	8.14	8.57	9.14	9.78	10.19
55	—	—	4.22	4.64	4.84	5.45	5.71	5.85	6.15	6.52	7.23	7.48	7.89	8.32	8.89	9.63	10.04
60	—	—	4.14	4.57	4.76	5.35	5.62	5.75	6.05	6.27	6.98	7.23	7.64	8.07	8.64	9.48	9.89

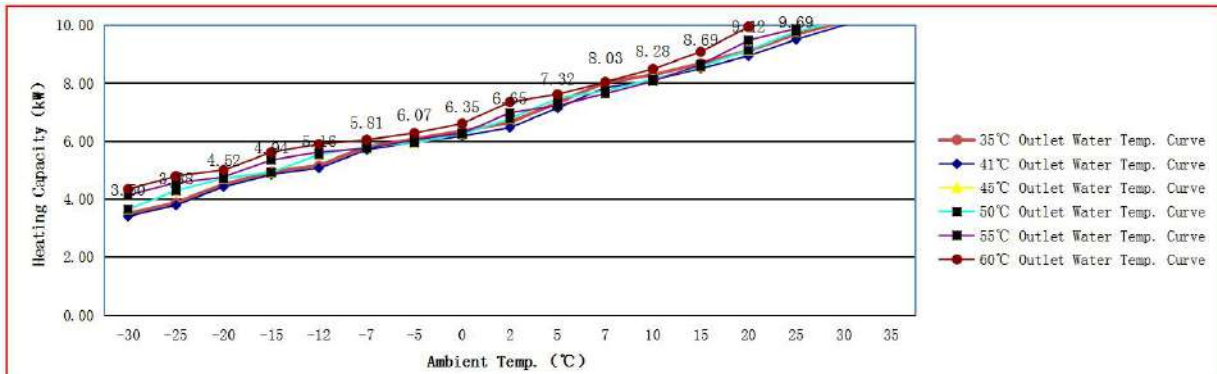
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.76	1.78	1.80	1.83	1.85	1.87	1.88	1.90	1.93	1.96	2.00	2.03	2.09	2.15	2.22	2.26	2.30
41	1.92	1.94	1.96	1.98	2.00	2.03	2.04	2.06	2.09	2.12	2.16	2.19	2.25	2.31	2.37	2.41	2.45
45	2.03	2.04	2.06	2.09	2.11	2.13	2.14	2.17	2.19	2.22	2.27	2.29	2.36	2.41	2.48	2.52	2.56
50	—	2.17	2.19	2.22	2.24	2.26	2.28	2.31	2.32	2.35	2.41	2.42	2.49	2.54	2.61	2.65	2.69
55	—	—	2.32	2.35	2.37	2.39	2.41	2.44	2.45	2.48	2.54	2.55	2.63	2.67	2.74	2.78	2.82
60	—	—	2.49	2.51	2.53	2.56	2.57	2.60	2.62	2.64	2.70	2.71	2.79	2.82	2.89	2.93	2.97

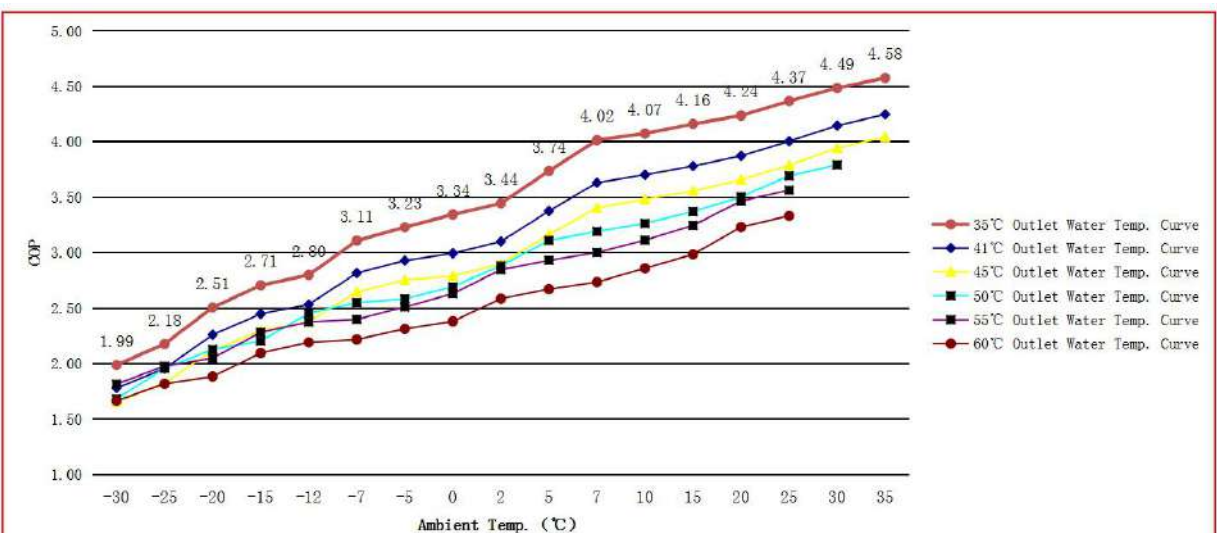
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.99	2.18	2.51	2.71	2.80	3.11	3.23	3.34	3.44	3.74	4.02	4.07	4.16	4.24	4.37	4.49	4.58
41	1.78	1.96	2.26	2.45	2.53	2.82	2.93	2.99	3.10	3.38	3.63	3.70	3.78	3.87	4.00	4.15	4.25
45	1.65	1.83	2.12	2.30	2.38	2.64	2.75	2.79	2.90	3.16	3.41	3.48	3.56	3.66	3.79	3.94	4.04
50	—	1.68	1.96	2.13	2.20	2.45	2.55	2.58	2.69	2.88	3.11	3.19	3.26	3.37	3.50	3.69	3.79
55	—	—	1.82	1.98	2.05	2.28	2.38	2.40	2.51	2.63	2.85	2.93	3.00	3.11	3.25	3.47	3.56
60	—	—	1.66	1.82	1.88	2.10	2.19	2.22	2.31	2.38	2.59	2.67	2.73	2.86	2.99	3.23	3.33

Heating Capacity



COP



P10T 60Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.66	4.06	4.72	5.17	5.40	6.08	6.35	6.65	6.88	7.66	8.40	8.67	9.09	9.54	10.13	10.60	11.02
41	3.57	3.97	4.63	5.08	5.31	5.97	6.24	6.47	6.70	7.48	8.22	8.49	8.91	9.36	9.95	10.48	10.90
45	3.51	3.91	4.57	5.02	5.24	5.90	6.17	6.35	6.58	7.36	8.10	8.37	8.79	9.24	9.83	10.40	10.82
50	—	3.83	4.50	4.95	5.16	5.81	6.08	6.25	6.48	7.11	7.85	8.12	8.54	8.99	9.58	10.25	10.67
55	—	—	4.42	4.87	5.08	5.72	5.99	6.15	6.38	6.86	7.60	7.87	8.29	8.74	9.33	10.10	10.52
60	—	—	4.35	4.80	5.00	5.62	5.90	6.05	6.28	6.61	7.35	7.62	8.04	8.49	9.08	9.95	10.37

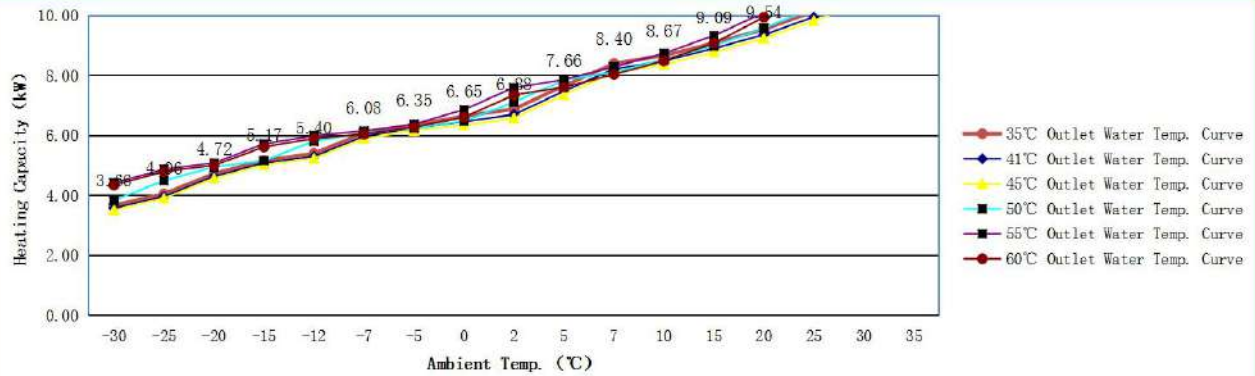
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.95	1.97	1.99	2.02	2.04	2.06	2.07	2.09	2.12	2.13	2.15	2.18	2.24	2.30	2.37	2.41	2.45
41	2.11	2.13	2.15	2.18	2.20	2.22	2.23	2.26	2.28	2.29	2.32	2.35	2.41	2.47	2.53	2.57	2.61
45	2.22	2.24	2.26	2.29	2.31	2.33	2.34	2.38	2.39	2.40	2.44	2.45	2.53	2.57	2.64	2.68	2.72
50	—	2.38	2.40	2.42	2.44	2.47	2.48	2.53	2.53	2.54	2.59	2.59	2.67	2.71	2.77	2.81	2.85
55	—	—	2.53	2.56	2.58	2.60	2.61	2.67	2.66	2.67	2.73	2.72	2.82	2.84	2.91	2.95	2.99
60	—	—	2.71	2.73	2.75	2.78	2.81	2.83	2.84	2.85	2.91	2.89	2.99	3.00	3.07	3.11	3.15

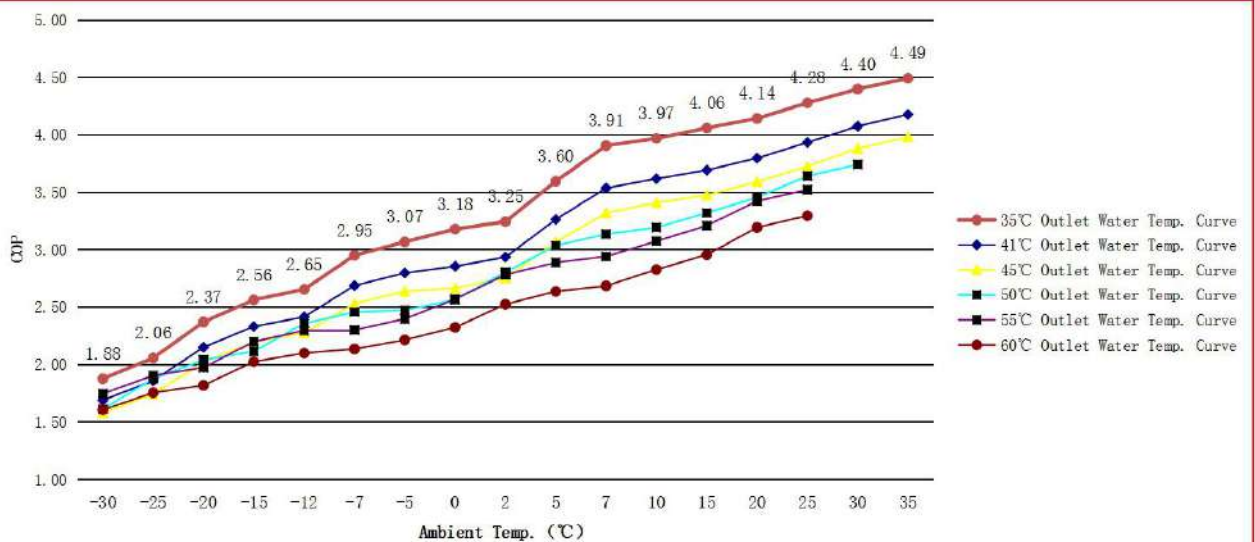
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.88	2.06	2.37	2.56	2.65	2.95	3.07	3.18	3.25	3.60	3.91	3.97	4.06	4.14	4.28	4.40	4.49
41	1.69	1.86	2.15	2.33	2.42	2.69	2.80	2.86	2.94	3.26	3.54	3.62	3.69	3.80	3.93	4.08	4.18
45	1.58	1.74	2.02	2.20	2.27	2.53	2.64	2.67	2.75	3.07	3.32	3.41	3.48	3.59	3.73	3.88	3.98
50	—	1.61	1.88	2.04	2.12	2.36	2.46	2.47	2.57	2.81	3.04	3.14	3.19	3.32	3.46	3.64	3.74
55	—	—	1.75	1.90	1.97	2.20	2.30	2.30	2.40	2.57	2.78	2.89	2.94	3.08	3.21	3.42	3.52
60	—	—	1.61	1.76	1.82	2.03	2.10	2.14	2.22	2.32	2.53	2.64	2.69	2.83	2.96	3.19	3.30

Heating Capacity



COP



P10T 66Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.90	4.32	5.03	5.51	5.76	6.48	6.77	7.08	7.41	8.16	8.95	9.23	9.68	10.17	10.80	11.29	11.74
41	3.81	4.23	4.94	5.42	5.66	6.37	6.66	6.90	7.23	7.98	8.77	9.05	9.50	9.99	10.62	11.17	11.62
45	3.75	4.17	4.88	5.36	5.60	6.30	6.59	6.78	7.11	7.86	8.65	8.93	9.38	9.87	10.50	11.09	11.54
50	—	4.10	4.81	5.28	5.52	6.21	6.50	6.68	7.01	7.61	8.40	8.68	9.13	9.62	10.25	10.94	11.39
55	—	—	4.73	5.21	5.44	6.12	6.41	6.58	6.91	7.36	8.15	8.43	8.88	9.37	10.00	10.79	11.24
60	—	—	4.66	5.13	5.36	6.02	6.32	6.48	6.81	7.11	7.90	8.18	8.63	9.12	9.75	10.64	11.09

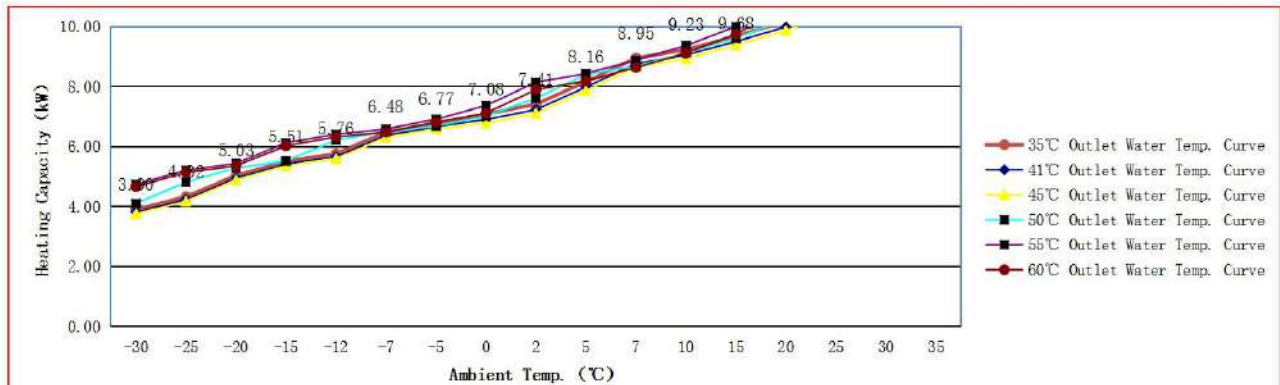
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.15	2.17	2.19	2.22	2.24	2.26	2.27	2.28	2.31	2.32	2.35	2.38	2.44	2.50	2.57	2.62	2.67
41	2.37	2.39	2.39	2.43	2.45	2.48	2.49	2.50	2.49	2.49	2.54	2.56	2.61	2.68	2.74	2.79	2.83
45	2.51	2.53	2.52	2.58	2.60	2.62	2.63	2.64	2.61	2.61	2.67	2.67	2.73	2.79	2.86	2.91	2.95
50	—	2.71	2.69	2.76	2.78	2.80	2.81	2.82	2.75	2.76	2.83	2.82	2.87	2.94	3.00	3.05	3.09
55	—	—	2.85	2.94	2.96	2.98	2.99	3.00	2.90	2.90	2.99	2.96	3.02	3.08	3.15	3.20	3.24
60	—	—	3.06	3.14	3.18	3.21	3.22	3.23	3.09	3.09	3.19	3.14	3.19	3.26	3.32	3.37	3.41

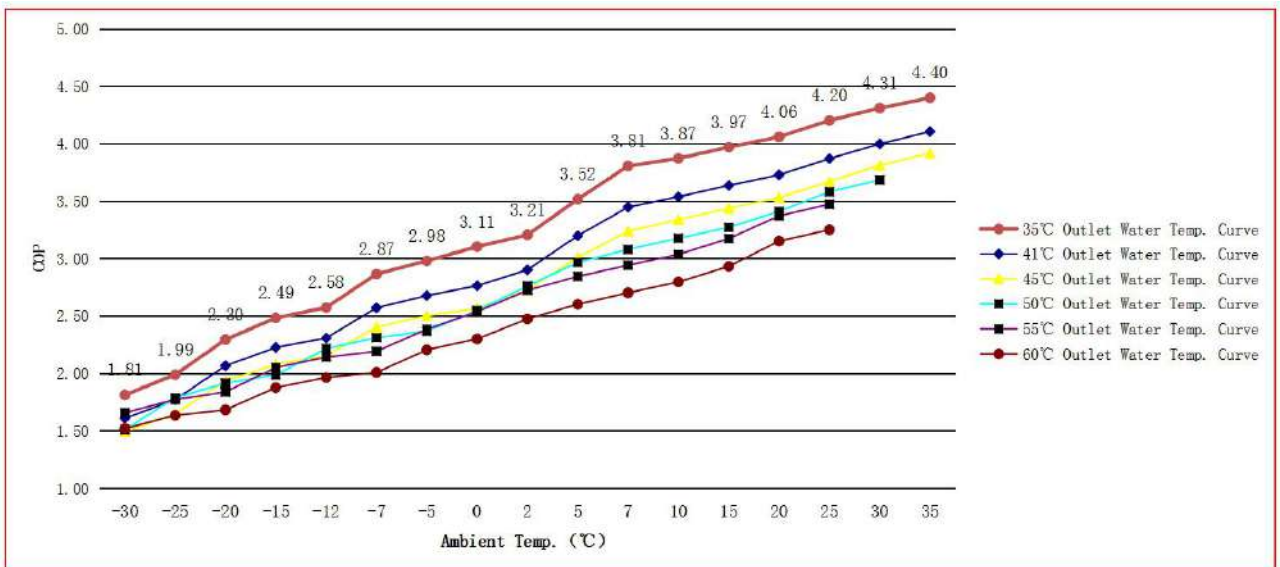
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.81	1.99	2.30	2.49	2.58	2.87	2.98	3.11	3.21	3.52	3.81	3.87	3.97	4.06	4.20	4.31	4.40
41	1.61	1.77	2.07	2.23	2.31	2.57	2.68	2.76	2.90	3.20	3.45	3.54	3.64	3.73	3.87	4.00	4.11
45	1.49	1.65	1.94	2.08	2.16	2.40	2.50	2.57	2.73	3.01	3.24	3.34	3.44	3.53	3.67	3.81	3.92
50	—	1.51	1.79	1.92	1.99	2.22	2.31	2.37	2.55	2.76	2.97	3.08	3.18	3.27	3.41	3.58	3.69
55	—	—	1.66	1.77	1.84	2.05	2.14	2.19	2.39	2.54	2.73	2.85	2.94	3.04	3.18	3.37	3.47
60	—	—	1.52	1.64	1.68	1.88	1.97	2.01	2.21	2.30	2.48	2.60	2.70	2.80	2.93	3.15	3.25

Heating Capacity



COP



P10T 72Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.19	4.64	5.40	5.91	6.17	6.95	7.26	7.60	7.95	8.76	9.60	9.90	10.39	10.91	11.58	12.11	12.60
41	4.10	4.55	5.31	5.82	6.08	6.84	7.15	7.42	7.77	8.58	9.42	9.72	10.21	10.73	11.40	11.99	12.48
45	4.04	4.49	5.25	5.76	6.01	6.77	7.08	7.30	7.65	8.46	9.30	9.60	10.09	10.61	11.28	11.91	12.40
50	—	4.41	5.17	5.68	5.93	6.68	6.99	7.20	7.55	8.21	9.05	9.35	9.84	10.36	11.03	11.76	12.25
55	—	—	5.10	5.61	5.85	6.59	6.90	7.10	7.45	7.96	8.80	9.10	9.59	10.11	10.78	11.61	12.10
60	—	—	5.02	5.53	5.77	6.49	6.81	7.00	7.35	7.71	8.55	8.85	9.34	9.86	10.53	11.46	11.95

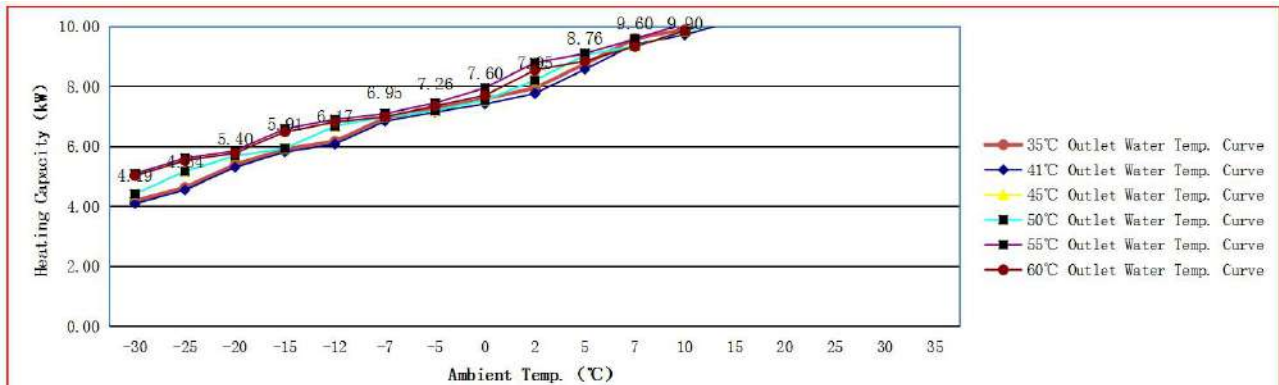
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.36	2.38	2.40	2.43	2.45	2.47	2.48	2.48	2.50	2.52	2.55	2.59	2.65	2.72	2.80	2.86	2.92
41	2.60	2.62	2.64	2.67	2.69	2.71	2.72	2.72	2.69	2.71	2.76	2.77	2.83	2.91	2.99	3.04	3.10
45	2.76	2.78	2.80	2.83	2.85	2.87	2.88	2.88	2.81	2.83	2.90	2.90	2.96	3.03	3.11	3.17	3.23
50	—	2.98	3.00	3.03	3.05	3.07	3.08	3.08	2.97	2.99	3.08	3.05	3.11	3.19	3.27	3.32	3.38
55	—	—	3.20	3.23	3.25	3.27	3.28	3.28	3.12	3.14	3.25	3.21	3.27	3.34	3.42	3.48	3.54
60	—	—	3.45	3.43	3.50	3.52	3.53	3.53	3.31	3.33	3.47	3.40	3.46	3.53	3.61	3.67	3.73

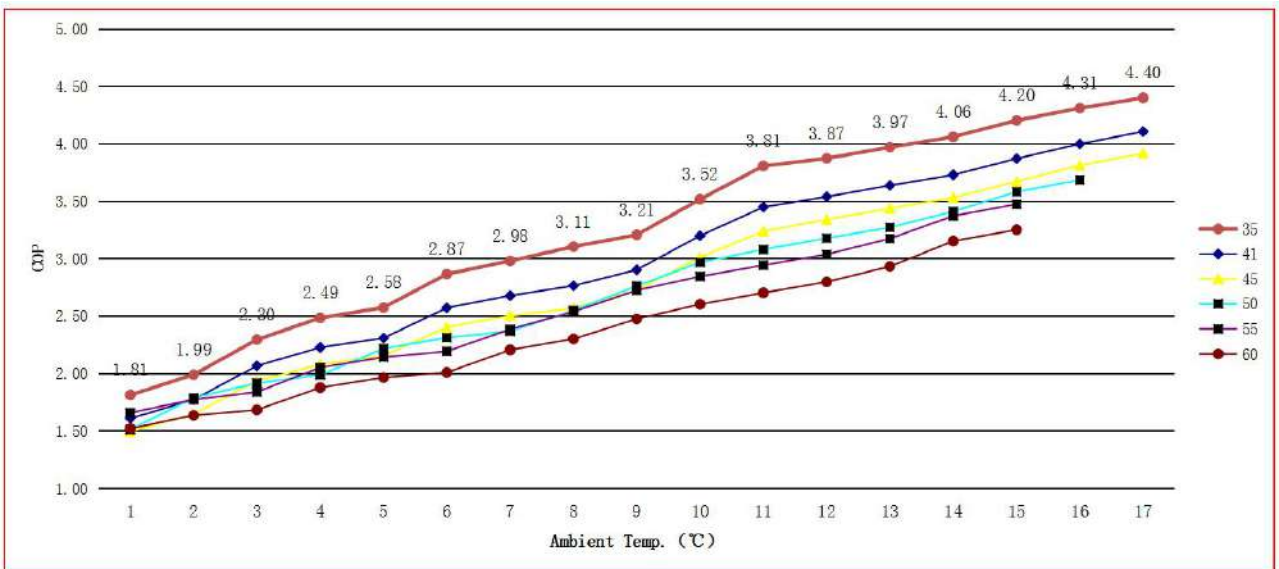
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.77	1.95	2.25	2.44	2.53	2.81	2.93	3.06	3.18	3.47	3.76	3.83	3.93	4.01	4.14	4.24	4.32
41	1.57	1.73	2.01	2.18	2.26	2.52	2.63	2.73	2.89	3.17	3.41	3.51	3.60	3.69	3.82	3.94	4.02
45	1.46	1.61	1.87	2.04	2.11	2.36	2.46	2.53	2.72	2.99	3.21	3.32	3.41	3.50	3.63	3.76	3.84
50	—	1.48	1.72	1.88	1.95	2.18	2.27	2.34	2.55	2.75	2.94	3.07	3.16	3.25	3.38	3.54	3.62
55	—	—	1.59	1.74	1.80	2.02	2.10	2.16	2.39	2.53	2.71	2.84	2.94	3.02	3.15	3.34	3.42
60	—	—	1.46	1.62	1.65	1.84	1.93	1.98	2.22	2.31	2.47	2.61	2.70	2.79	2.92	3.13	3.21

Heating Capacity



COP



P10T 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.56	5.10	6.05	6.62	6.73	7.57	8.16	8.78	9.47	10.25	11.30	11.69	12.39	13.01	13.66	14.28	14.90
41	4.44	4.98	5.93	6.50	6.65	7.49	8.05	8.60	9.29	10.07	11.12	11.51	12.21	12.83	13.48	14.16	14.78
45	4.36	4.90	5.85	6.42	6.61	7.41	7.97	8.48	9.17	9.95	11.00	11.39	12.09	12.71	13.36	14.08	14.70
50	—	4.80	5.75	6.35	6.55	7.31	7.87	8.38	9.07	9.70	10.75	11.14	11.84	12.46	13.11	13.93	14.55
55	—	—	5.65	6.28	6.45	7.21	7.77	8.28	8.97	9.45	10.50	10.89	11.59	12.21	12.86	13.78	14.40
60	—	—	5.55	6.18	6.38	7.11	7.67	8.18	8.87	9.20	10.25	10.64	11.34	11.96	12.61	13.63	14.25

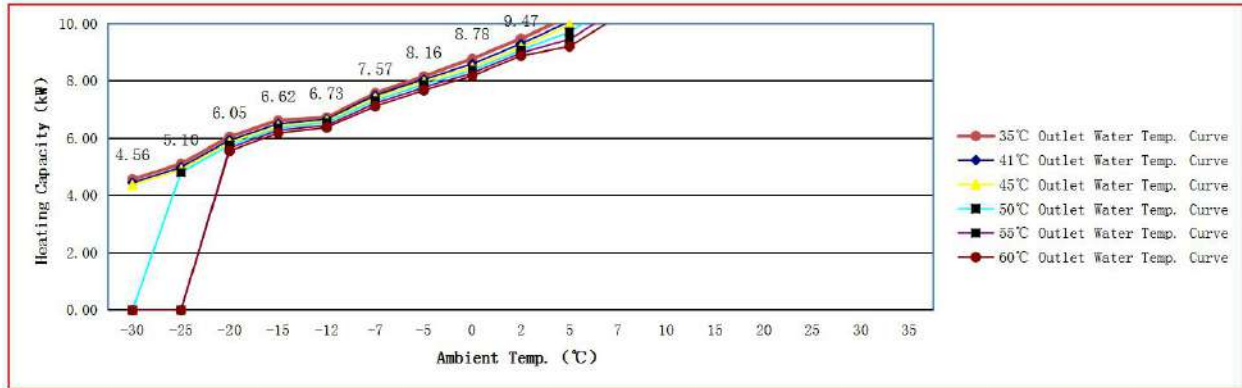
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.75	2.77	2.80	2.82	2.85	2.89	2.91	2.94	2.95	3.00	3.05	3.11	3.21	3.31	3.39	3.49	3.59
41	3.08	3.10	3.13	3.15	3.18	3.22	3.21	3.24	3.25	3.30	3.35	3.41	3.45	3.55	3.63	3.73	3.83
45	3.30	3.32	3.35	3.37	3.40	3.44	3.39	3.44	3.45	3.46	3.55	3.57	3.61	3.71	3.79	3.89	3.99
50	—	3.57	3.62	3.65	3.67	3.72	3.62	3.69	3.70	3.71	3.80	3.77	3.81	3.91	3.99	4.09	4.19
55	—	—	3.90	3.92	3.95	3.99	3.84	3.94	3.95	3.96	4.05	3.97	4.01	4.11	4.19	4.29	4.39
60	—	—	4.20	4.22	4.25	4.29	4.14	4.24	4.25	4.26	4.35	4.17	4.26	4.36	4.44	4.54	4.62

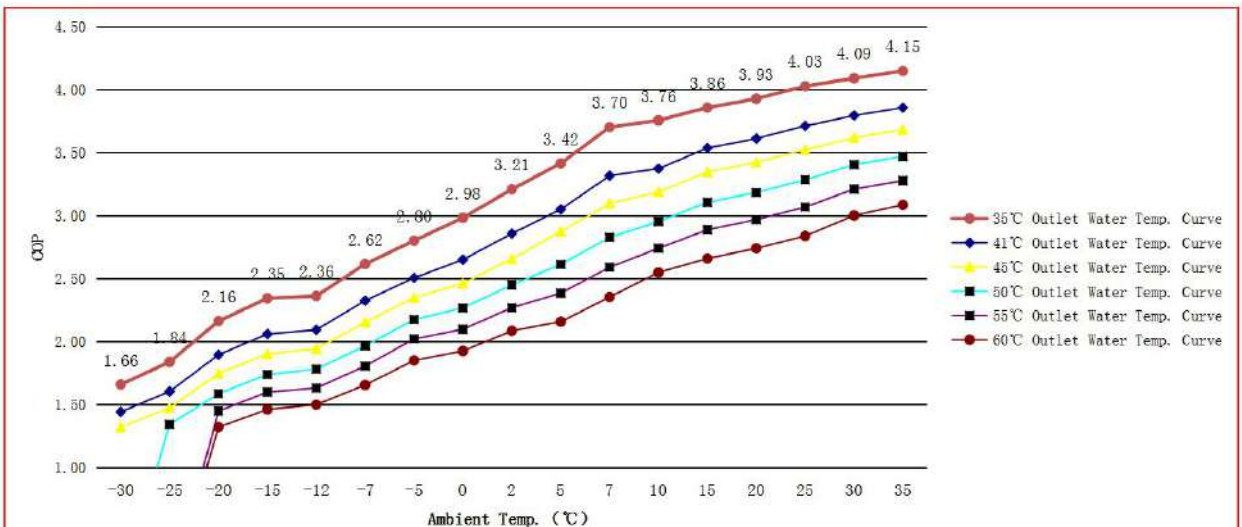
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.66	1.84	2.16	2.35	2.36	2.62	2.80	2.98	3.21	3.42	3.70	3.76	3.86	3.93	4.03	4.09	4.15
41	1.44	1.61	1.90	2.06	2.10	2.33	2.51	2.65	2.86	3.05	3.32	3.38	3.54	3.61	3.71	3.80	3.86
45	1.32	1.48	1.75	1.90	1.95	2.16	2.35	2.46	2.66	2.88	3.10	3.19	3.35	3.43	3.53	3.62	3.68
50	—	1.34	1.59	1.74	1.78	1.97	2.18	2.27	2.45	2.61	2.83	2.96	3.11	3.19	3.29	3.41	3.47
55	—	—	1.45	1.60	1.63	1.81	2.02	2.10	2.27	2.39	2.59	2.74	2.89	2.97	3.07	3.21	3.28
60	—	—	1.32	1.46	1.50	1.66	1.85	1.93	2.09	2.16	2.36	2.55	2.66	2.74	2.84	3.00	3.09

Heating Capacity



COP



P10T 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.59	5.64	6.55	7.10	7.60	8.37	8.74	9.49	10.45	11.16	12.50	12.67	13.48	14.62	15.19	15.97	16.72
41	4.36	5.44	6.34	6.89	7.45	8.22	8.56	9.31	10.27	10.98	12.32	12.49	13.30	14.44	15.01	15.79	16.54
45	4.21	5.30	6.21	6.77	7.35	8.12	8.44	9.19	10.15	10.86	12.20	12.37	13.18	14.32	14.89	15.67	16.42
50	—	5.13	6.04	6.62	7.22	8.00	8.34	9.09	10.05	10.61	11.95	12.12	12.93	14.07	14.64	15.42	16.17
55	—	—	5.84	6.42	7.10	7.87	8.24	8.99	9.95	10.36	11.70	11.87	12.68	13.82	14.39	15.17	15.92
60	—	—	5.64	6.22	6.90	7.70	8.14	8.89	9.85	10.11	11.45	11.62	12.43	13.57	14.14	14.92	15.67

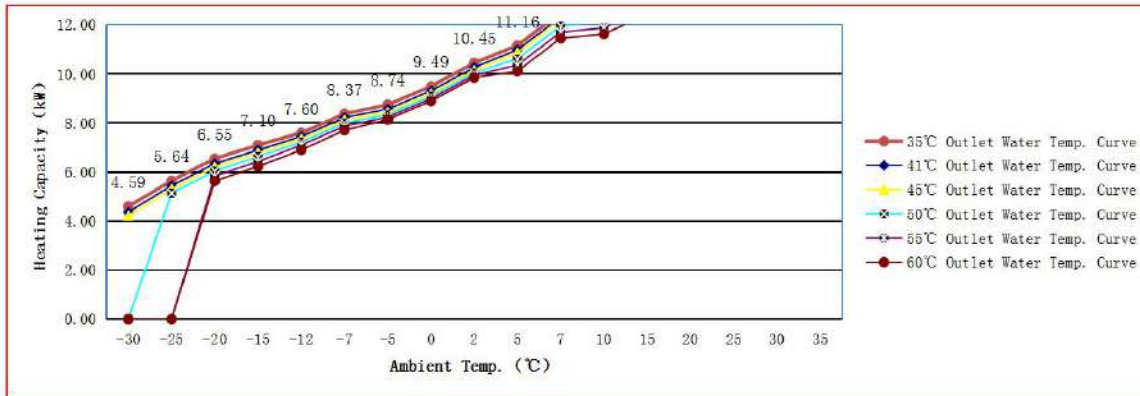
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.17	3.19	3.22	3.24	3.26	3.28	3.29	3.34	3.36	3.40	3.44	3.49	3.59	3.70	3.82	3.92	4.05
41	3.50	3.52	3.55	3.57	3.59	3.61	3.62	3.67	3.69	3.73	3.77	3.73	3.92	3.94	4.06	4.16	4.29
45	3.72	3.74	3.77	3.79	3.81	3.83	3.84	3.89	3.91	3.95	3.99	3.89	4.14	4.10	4.22	4.32	4.45
50	—	4.02	4.04	4.07	4.08	4.13	4.12	4.17	4.19	4.23	4.27	4.09	4.42	4.30	4.42	4.52	4.65
55	—	—	4.32	4.34	4.36	4.41	4.39	4.44	4.46	4.50	4.54	4.29	4.69	4.50	4.62	4.72	4.85
60	—	—	4.62	4.64	4.66	4.71	4.67	4.72	4.74	4.78	4.84	4.59	4.99	4.80	4.92	5.02	5.15

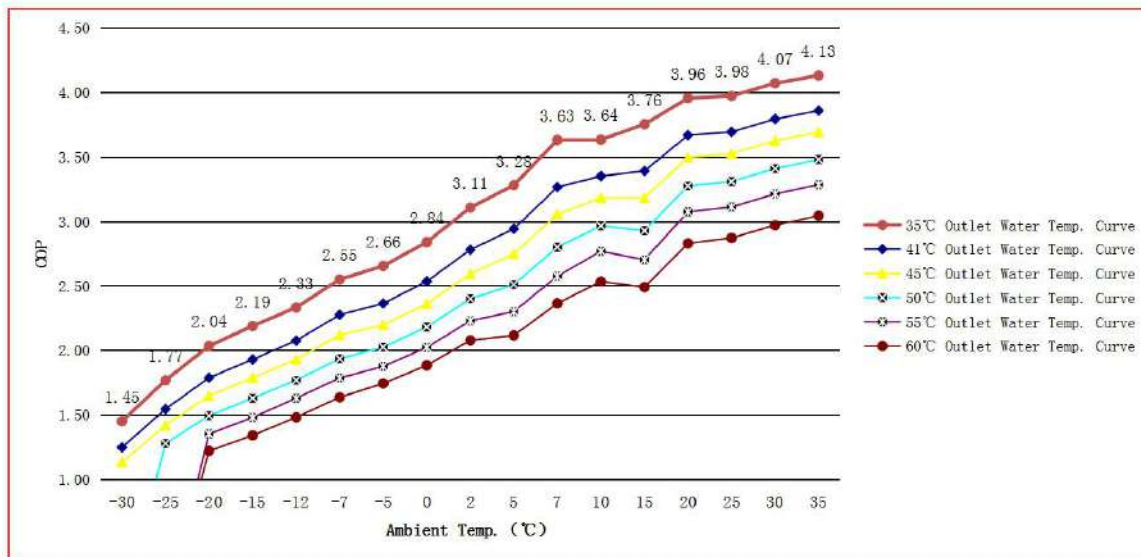
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.45	1.77	2.04	2.19	2.33	2.55	2.66	2.84	3.11	3.28	3.63	3.64	3.76	3.96	3.98	4.07	4.13
41	1.25	1.55	1.79	1.93	2.08	2.28	2.36	2.54	2.78	2.94	3.27	3.35	3.39	3.67	3.70	3.80	3.86
45	1.13	1.42	1.65	1.79	1.93	2.12	2.20	2.36	2.59	2.75	3.06	3.18	3.18	3.50	3.53	3.63	3.69
50	—	1.28	1.49	1.63	1.77	1.94	2.03	2.18	2.40	2.51	2.80	2.97	2.93	3.28	3.31	3.41	3.48
55	—	—	1.35	1.48	1.63	1.79	1.88	2.02	2.23	2.30	2.58	2.77	2.70	3.08	3.11	3.21	3.29
60	—	—	1.22	1.34	1.48	1.64	1.74	1.88	2.08	2.12	2.37	2.53	2.49	2.83	2.87	2.97	3.05

Heating Capacity



COP



P17A 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.22	3.73	4.14	4.86	5.32	5.67	5.94	6.13	6.35	6.83	7.32	7.60	8.21	8.81	9.36	9.90	10.51
41	3.09	3.60	4.01	4.72	5.20	5.55	5.82	6.01	6.17	6.65	7.14	7.42	8.01	8.62	9.16	9.70	10.32
45	3.00	3.51	3.92	4.64	5.12	5.47	5.74	5.93	6.05	6.53	7.02	7.30	7.89	8.49	9.04	9.58	10.19
50	—	3.40	3.81	4.53	5.02	5.37	5.64	5.83	5.90	6.38	6.87	7.15	7.64	8.24	8.79	9.33	9.94
55	—	—	3.70	4.42	4.92	5.27	5.54	5.70	5.75	6.23	6.72	7.00	7.39	7.99	8.54	9.08	9.69
60	—	—	3.59	4.30	4.82	5.17	5.43	5.57	5.60	6.08	6.57	6.85	7.14	7.74	8.29	8.83	9.44

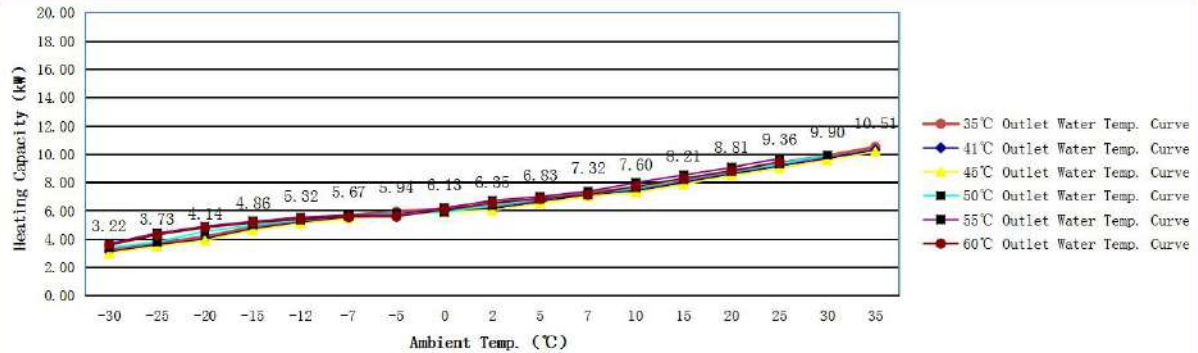
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.27	1.37	1.47	1.52	1.54	1.56	1.56	1.57	1.59	1.60	1.61	1.66	1.76	1.87	1.97	2.07	2.17
41	1.48	1.58	1.68	1.73	1.75	1.77	1.77	1.78	1.80	1.81	1.82	1.87	1.97	2.08	2.18	2.25	2.35
45	1.62	1.72	1.82	1.87	1.89	1.91	1.91	1.92	1.94	1.95	1.96	2.01	2.11	2.22	2.32	2.37	2.47
50	—	1.90	2.00	2.05	2.06	2.09	2.09	2.10	2.12	2.13	2.14	2.18	2.29	2.39	2.48	2.52	2.62
55	—	—	2.17	2.22	2.24	2.26	2.26	2.27	2.29	2.30	2.31	2.36	2.44	2.57	2.63	2.67	2.77
60	—	—	2.35	2.40	2.41	2.44	2.44	2.45	2.47	2.48	2.49	2.53	2.60	2.74	2.79	2.83	2.92

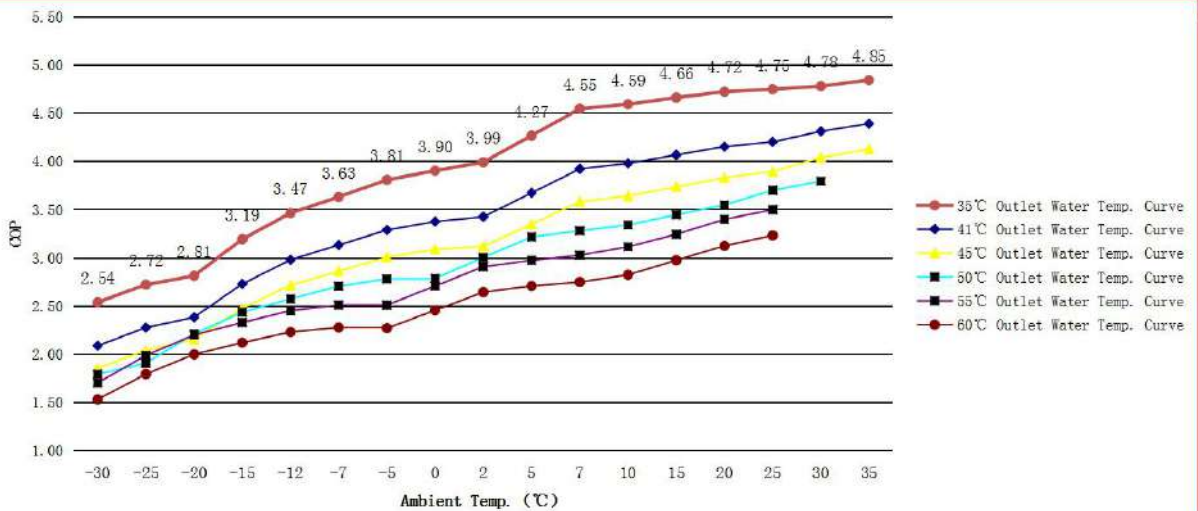
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.54	2.72	2.81	3.19	3.47	3.63	3.81	3.90	3.99	4.27	4.55	4.59	4.66	4.72	4.75	4.78	4.85
41	2.09	2.28	2.38	2.73	2.98	3.13	3.29	3.38	3.43	3.67	3.92	3.98	4.07	4.15	4.20	4.31	4.39
45	1.85	2.04	2.15	2.48	2.72	2.86	3.01	3.09	3.12	3.35	3.58	3.64	3.74	3.83	3.89	4.04	4.13
50	—	1.79	1.91	2.21	2.44	2.57	2.71	2.78	2.79	3.00	3.22	3.28	3.34	3.45	3.55	3.70	3.80
55	—	—	1.70	1.99	2.20	2.33	2.45	2.51	2.51	2.71	2.91	2.97	3.03	3.11	3.25	3.40	3.50
60	—	—	1.53	1.80	2.00	2.12	2.23	2.28	2.27	2.46	2.64	2.71	2.75	2.82	2.98	3.12	3.23

Heating Capacity



COP



P17A 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.60	6.48	7.19	8.44	9.24	9.85	10.33	10.65	11.03	11.87	12.72	12.97	13.99	15.02	15.60	16.50	17.53
41	5.47	6.35	7.06	8.31	9.12	9.73	10.21	10.53	10.85	11.69	12.54	12.79	13.80	14.83	15.41	16.31	17.34
45	5.38	6.26	6.97	8.22	9.04	9.65	10.13	10.45	10.73	11.57	12.42	12.67	13.67	14.70	15.28	16.18	17.21
50	—	6.15	6.86	8.11	8.94	9.55	10.03	10.35	10.58	11.42	12.27	12.52	13.42	14.45	15.03	15.93	16.96
55	—	—	6.75	8.00	8.84	9.45	9.93	10.22	10.43	11.27	12.12	12.37	13.17	14.20	14.78	15.68	16.71
60	—	—	6.64	7.88	8.74	9.35	9.82	10.09	10.28	11.12	11.97	12.22	12.92	13.95	14.53	15.43	16.46

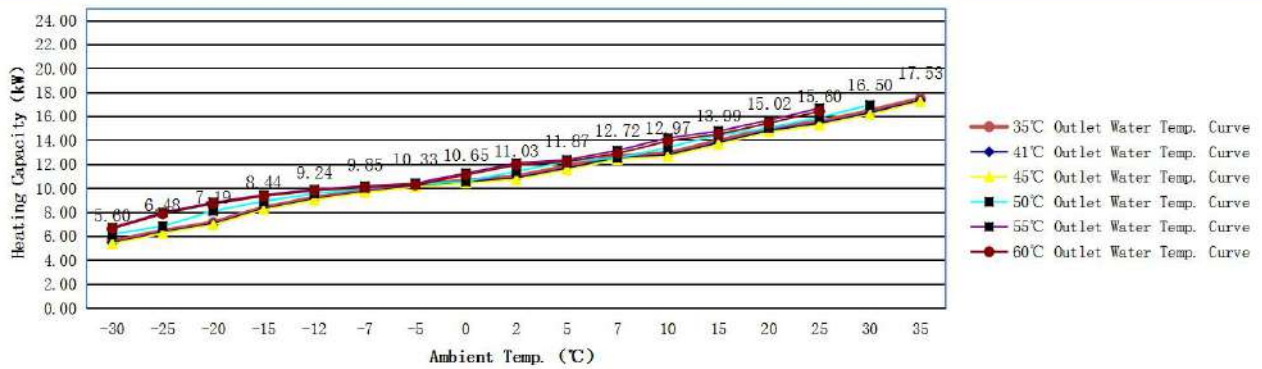
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.86	2.96	3.06	3.11	3.13	3.15	3.17	3.18	3.22	3.25	3.28	3.33	3.46	3.60	3.72	3.82	3.95
41	3.28	3.38	3.48	3.53	3.55	3.57	3.59	3.60	3.64	3.67	3.70	3.75	3.88	4.02	4.14	4.19	4.32
45	3.56	3.66	3.76	3.81	3.83	3.85	3.87	3.88	3.92	3.95	3.98	4.03	4.16	4.30	4.39	4.44	4.57
50	—	4.01	4.11	4.16	4.18	4.20	4.22	4.23	4.27	4.30	4.33	4.38	4.51	4.65	4.70	4.75	4.88
55	—	—	4.46	4.51	4.53	4.55	4.57	4.58	4.62	4.65	4.68	4.73	4.82	5.00	5.01	5.06	5.19
60	—	—	4.81	4.86	4.88	4.90	4.92	4.93	4.97	5.00	5.03	5.08	5.13	5.35	5.32	5.37	5.50

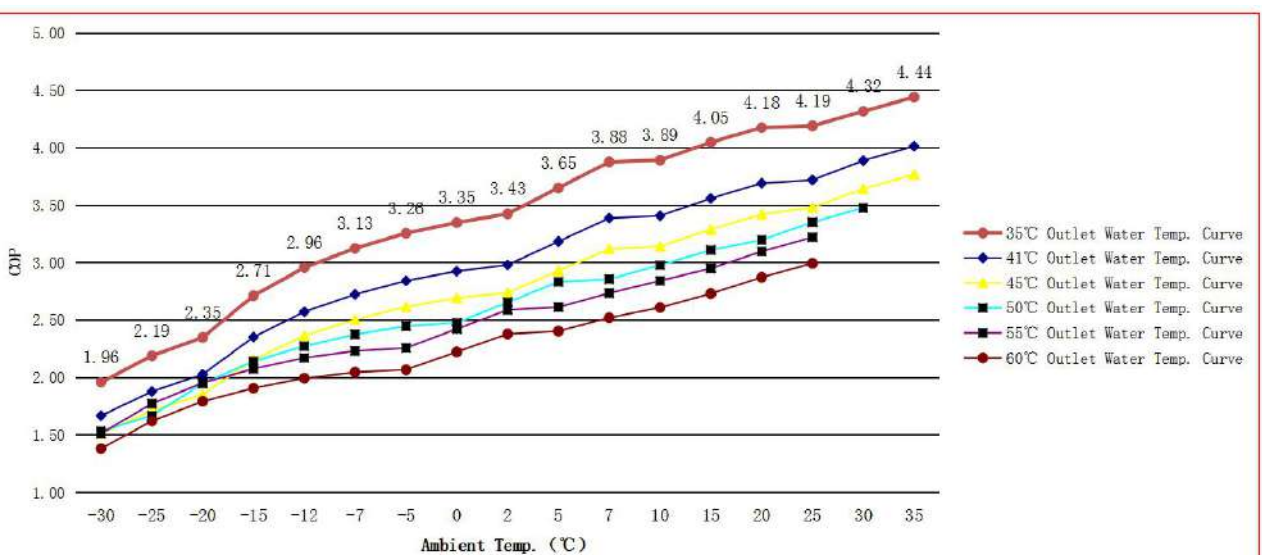
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.96	2.19	2.35	2.71	2.96	3.13	3.26	3.35	3.43	3.65	3.88	3.89	4.05	4.18	4.19	4.32	4.44
41	1.67	1.88	2.03	2.35	2.57	2.72	2.84	2.93	2.98	3.19	3.39	3.41	3.56	3.69	3.72	3.89	4.02
45	1.51	1.71	1.85	2.16	2.36	2.51	2.62	2.69	2.74	2.93	3.12	3.14	3.29	3.42	3.48	3.64	3.77
50	—	1.53	1.67	1.95	2.14	2.27	2.38	2.45	2.48	2.66	2.83	2.86	2.98	3.11	3.20	3.35	3.48
55	—	—	1.51	1.77	1.95	2.08	2.17	2.23	2.26	2.42	2.59	2.61	2.74	2.84	2.95	3.10	3.22
60	—	—	1.38	1.62	1.79	1.91	2.00	2.05	2.07	2.22	2.38	2.40	2.52	2.61	2.73	2.87	3.00

Heating Capacity



COP



P17A 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.98	6.92	7.68	9.01	9.87	10.51	11.02	11.37	11.78	12.67	13.58	13.84	14.94	16.04	16.65	17.52	18.61
41	5.84	6.78	7.53	8.86	9.74	10.39	10.89	11.23	11.57	12.47	13.38	13.64	14.74	15.84	16.45	17.31	18.40
45	5.74	6.68	7.44	8.77	9.66	10.30	10.80	11.13	11.44	12.33	13.24	13.50	14.60	15.70	16.31	17.18	18.27
50	—	6.56	7.32	8.66	9.56	10.20	10.69	11.02	11.27	12.16	12.98	13.24	14.34	15.44	16.05	16.92	18.01
55	—	—	7.20	8.54	9.45	10.09	10.58	10.87	11.10	11.97	12.72	12.98	14.08	15.18	15.79	16.66	17.75
60	—	—	7.08	8.42	9.34	9.99	10.46	10.72	10.93	11.78	12.46	12.72	13.82	14.92	15.53	16.40	17.49

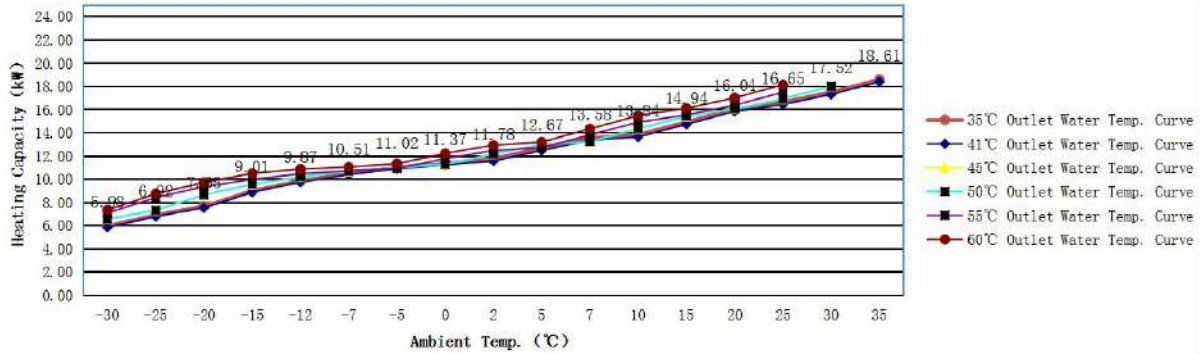
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.16	3.26	3.36	3.41	3.43	3.45	3.46	3.48	3.50	3.54	3.56	3.61	3.74	3.88	4.00	4.10	4.23
41	3.62	3.72	3.82	3.87	3.89	3.91	3.92	3.94	3.96	4.00	4.02	4.07	4.14	4.28	4.40	4.50	4.63
45	3.93	4.03	4.13	4.18	4.20	4.22	4.23	4.25	4.27	4.31	4.33	4.38	4.41	4.57	4.67	4.77	4.90
50	—	4.42	4.52	4.57	4.58	4.61	4.62	4.64	4.66	4.70	4.72	4.74	4.79	4.91	5.01	5.11	5.23
55	—	—	4.90	4.95	4.97	4.99	5.00	5.02	5.04	5.08	5.10	5.12	5.13	5.24	5.34	5.44	5.57
60	—	—	5.29	5.34	5.35	5.38	5.43	5.45	5.47	5.47	5.49	5.51	5.46	5.58	5.68	5.78	5.90

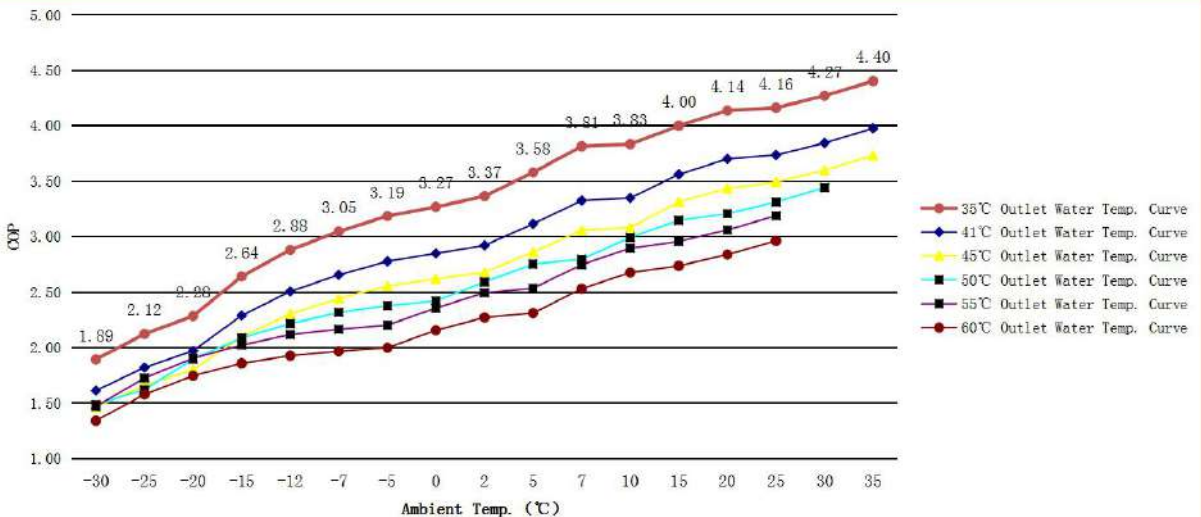
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.89	2.12	2.28	2.64	2.88	3.05	3.19	3.27	3.37	3.58	3.81	3.83	4.00	4.14	4.16	4.27	4.40
41	1.61	1.82	1.97	2.29	2.51	2.66	2.78	2.85	2.92	3.12	3.33	3.35	3.56	3.70	3.74	3.84	3.98
45	1.46	1.66	1.80	2.10	2.30	2.44	2.55	2.62	2.68	2.86	3.06	3.08	3.31	3.44	3.49	3.60	3.73
50	—	1.49	1.62	1.90	2.09	2.21	2.32	2.38	2.42	2.59	2.75	2.80	2.99	3.15	3.21	3.31	3.44
55	—	—	1.47	1.73	1.90	2.02	2.12	2.17	2.20	2.36	2.49	2.54	2.75	2.90	2.96	3.06	3.19
60	—	—	1.34	1.58	1.75	1.86	1.93	1.97	2.00	2.16	2.27	2.31	2.53	2.68	2.74	2.84	2.96

Heating Capacity



COP



P17A 60Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	6.21	7.19	7.97	9.35	10.25	11.03	11.45	11.81	12.23	13.16	14.10	14.37	15.51	16.65	17.29	18.19	19.32
41	6.06	7.04	7.82	9.20	10.12	10.90	11.31	11.66	12.01	12.94	13.88	14.16	15.30	16.44	17.08	17.97	19.10
45	5.96	6.94	7.72	9.11	10.04	10.82	11.22	11.56	11.87	12.80	13.74	14.01	15.15	16.29	16.93	17.83	18.96
50	—	6.81	7.60	8.99	9.93	10.71	11.10	11.39	11.69	12.62	13.47	13.74	14.88	16.02	16.66	17.56	18.69
55	—	—	7.47	8.87	9.83	10.61	10.99	11.22	11.51	12.42	13.20	13.47	14.61	15.75	16.39	17.29	18.42
60	—	—	7.35	8.74	9.72	10.50	10.86	11.05	11.34	12.22	12.93	13.20	14.34	15.48	16.12	17.02	18.15

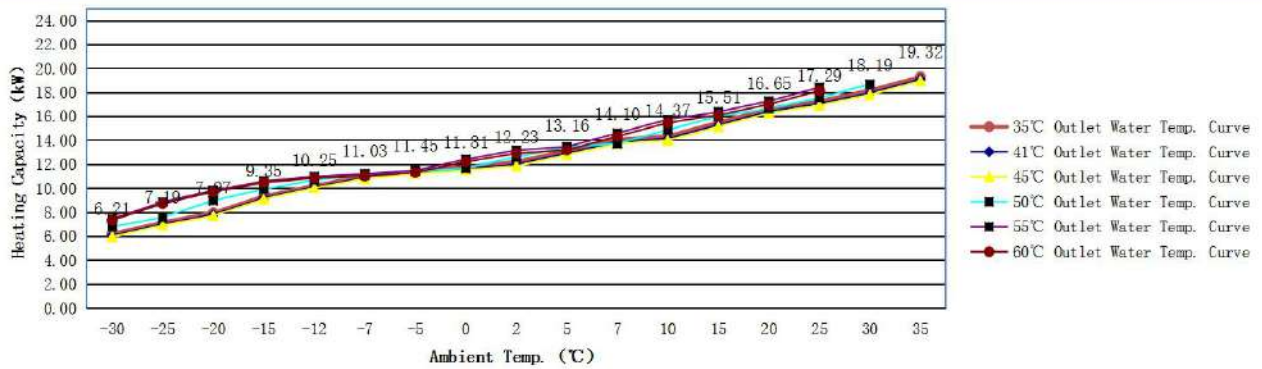
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.39	3.49	3.59	3.64	3.66	3.68	3.70	3.71	3.72	3.74	3.75	3.80	3.93	4.07	4.19	4.29	4.42
41	3.87	3.97	4.07	4.12	4.14	4.16	4.18	4.19	4.20	4.22	4.23	4.28	4.41	4.55	4.67	4.71	4.84
45	4.19	4.29	4.39	4.44	4.46	4.48	4.50	4.51	4.52	4.54	4.55	4.60	4.73	4.87	4.95	4.99	5.12
50	—	4.69	4.79	4.84	4.86	4.88	4.90	4.91	4.92	4.94	4.95	5.00	5.13	5.27	5.30	5.34	5.47
55	—	—	5.19	5.24	5.26	5.28	5.30	5.31	5.32	5.34	5.35	5.40	5.48	5.67	5.65	5.69	5.82
60	—	—	5.59	5.64	5.66	5.68	5.75	5.76	5.77	5.74	5.75	5.80	5.83	6.07	6.00	6.04	6.17

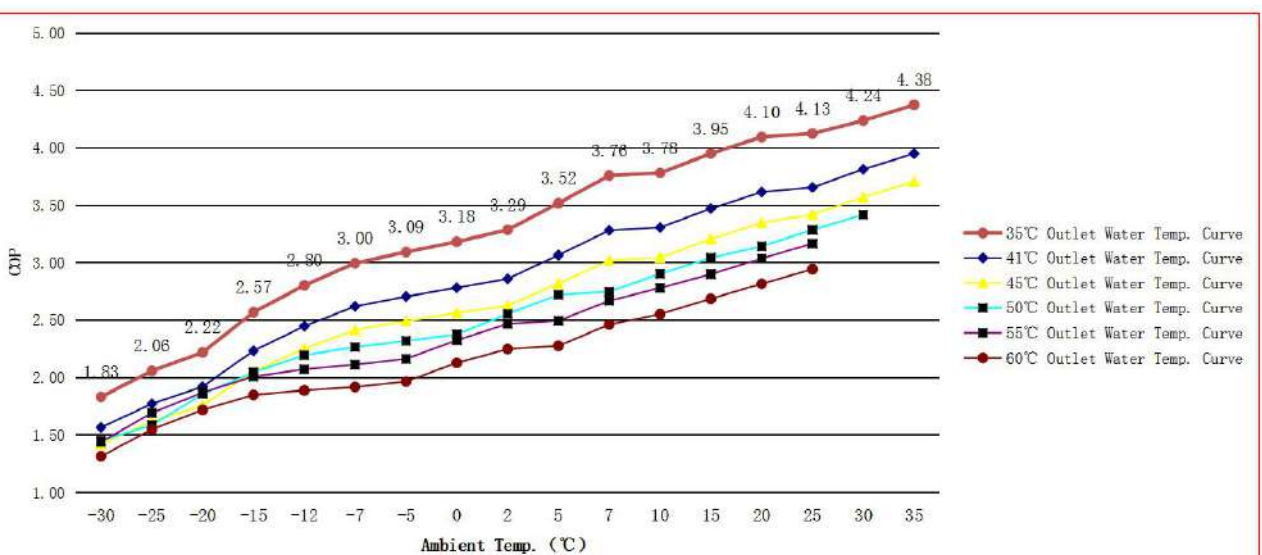
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.83	2.06	2.22	2.57	2.80	3.00	3.09	3.18	3.29	3.52	3.76	3.78	3.95	4.10	4.13	4.24	4.38
41	1.57	1.77	1.92	2.23	2.45	2.62	2.71	2.78	2.86	3.07	3.28	3.31	3.47	3.62	3.66	3.81	3.95
45	1.42	1.62	1.76	2.05	2.25	2.41	2.49	2.56	2.63	2.82	3.02	3.05	3.21	3.35	3.42	3.57	3.71
50	—	1.45	1.59	1.86	2.05	2.20	2.27	2.32	2.38	2.55	2.72	2.75	2.90	3.04	3.14	3.29	3.42
55	—	—	1.44	1.69	1.87	2.01	2.07	2.11	2.16	2.33	2.47	2.49	2.67	2.78	2.90	3.04	3.17
60	—	—	1.31	1.55	1.72	1.85	1.89	1.92	1.97	2.13	2.25	2.28	2.46	2.55	2.69	2.82	2.94

Heating Capacity



COP



P17A 66Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	6.78	7.85	8.70	10.21	11.19	11.92	12.50	12.90	13.36	14.37	15.40	15.70	16.94	18.19	18.89	19.91	21.15
41	6.63	7.70	8.55	10.06	11.06	11.79	12.35	12.74	13.14	14.15	15.18	15.48	16.73	17.97	18.67	19.69	20.94
45	6.53	7.60	8.45	9.96	10.97	11.70	12.25	12.63	13.00	14.01	15.04	15.34	16.58	17.83	18.53	19.55	20.79
50	—	7.47	8.33	9.84	10.86	11.59	12.13	12.45	12.82	13.83	14.77	15.07	16.31	17.56	18.26	19.28	20.52
55	—	—	8.20	9.71	10.75	11.48	12.00	12.27	12.64	13.63	14.50	14.80	16.04	17.29	17.99	19.01	20.25
60	—	—	8.08	9.58	10.64	11.37	11.87	12.09	12.46	13.43	14.23	14.53	15.77	17.02	17.72	18.74	19.98

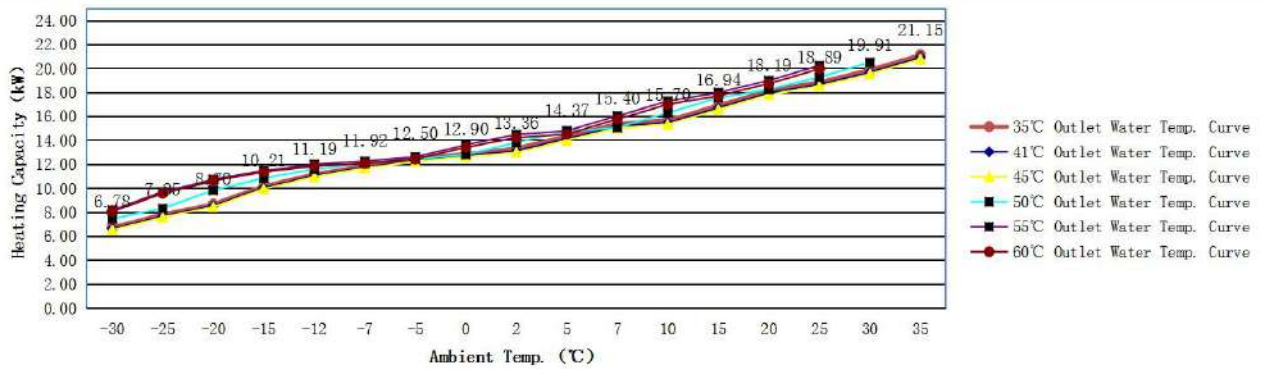
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.75	3.85	3.95	4.00	4.02	4.04	4.05	4.08	4.10	4.14	4.19	4.24	4.37	4.51	4.63	4.73	4.85
41	4.29	4.39	4.49	4.54	4.56	4.58	4.59	4.62	4.64	4.68	4.73	4.78	4.91	5.05	5.17	5.21	5.33
45	4.65	4.75	4.85	4.90	4.92	4.94	4.95	4.98	5.00	5.04	5.09	5.14	5.27	5.41	5.49	5.53	5.65
50	—	5.20	5.30	5.35	5.37	5.39	5.40	5.43	5.45	5.49	5.54	5.59	5.72	5.86	5.89	5.93	6.05
55	—	—	5.75	5.80	5.82	5.84	5.85	5.88	5.90	5.94	5.99	6.04	6.12	6.31	6.29	6.33	6.45
60	—	—	6.20	6.25	6.27	6.29	6.35	6.38	6.40	6.39	6.44	6.49	6.52	6.76	6.69	6.73	6.85

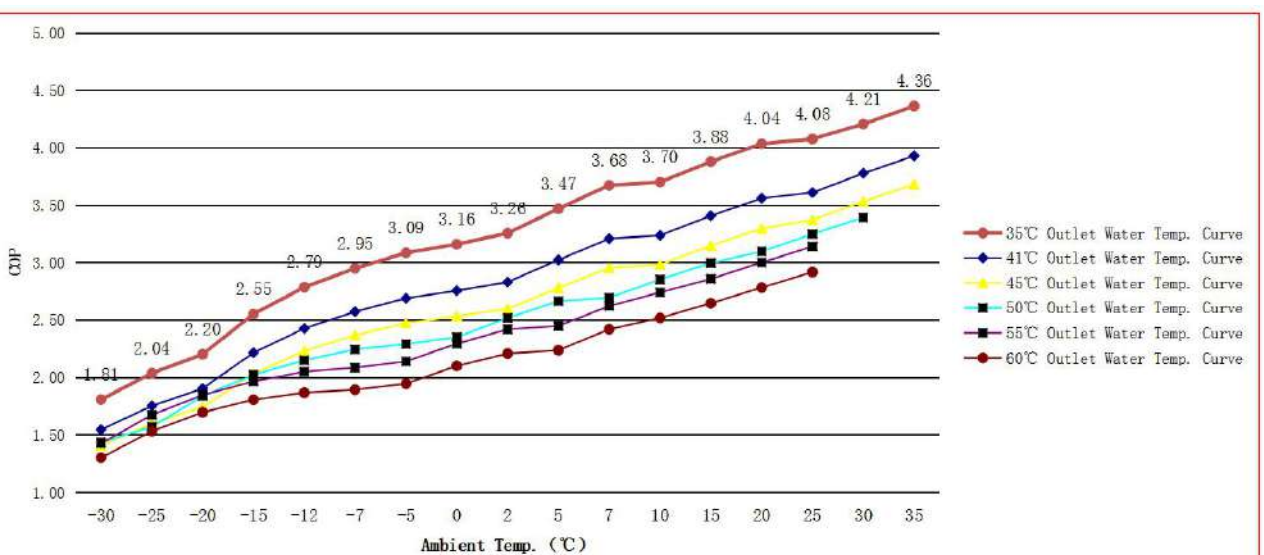
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.81	2.04	2.20	2.55	2.79	2.95	3.09	3.16	3.26	3.47	3.68	3.70	3.88	4.04	4.08	4.21	4.36
41	1.55	1.75	1.91	2.22	2.43	2.57	2.69	2.76	2.83	3.02	3.21	3.24	3.41	3.56	3.61	3.78	3.93
45	1.41	1.60	1.74	2.03	2.23	2.37	2.48	2.54	2.60	2.78	2.95	2.98	3.15	3.30	3.37	3.53	3.68
50	—	1.44	1.57	1.84	2.02	2.15	2.25	2.29	2.35	2.52	2.67	2.70	2.85	3.00	3.10	3.25	3.39
55	—	—	1.43	1.67	1.85	1.97	2.05	2.09	2.14	2.29	2.42	2.45	2.62	2.74	2.86	3.00	3.14
60	—	—	1.30	1.53	1.70	1.81	1.87	1.89	1.95	2.10	2.21	2.24	2.42	2.52	2.65	2.78	2.92

Heating Capacity



COP



P17A 72Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.41	8.57	9.50	11.15	12.22	13.01	13.65	14.08	14.58	15.69	16.81	17.14	18.49	19.85	20.85	21.54	22.61
41	7.24	8.40	9.34	10.99	12.08	12.87	13.48	13.90	14.27	15.38	16.57	16.90	18.25	19.61	20.61	21.30	22.37
45	7.14	8.30	9.23	10.88	12.00	12.77	13.38	13.78	14.11	15.18	16.41	16.74	18.09	19.45	20.45	21.14	22.21
50	—	8.16	9.10	10.75	11.89	12.65	13.24	13.58	13.91	14.75	16.11	16.44	17.79	19.15	20.15	20.84	21.91
55	—	—	8.96	10.61	11.78	12.53	13.11	13.38	13.71	14.33	15.81	16.14	17.49	18.85	19.85	20.54	21.61
60	—	—	8.83	10.46	11.66	12.40	12.96	13.18	13.51	13.90	15.51	15.84	17.19	18.55	19.55	20.24	21.31

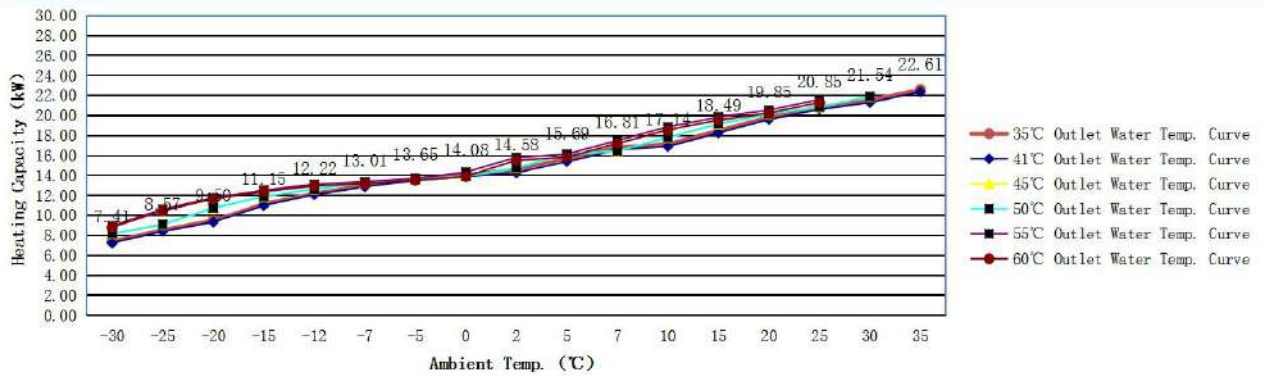
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.16	4.26	4.36	4.41	4.43	4.45	4.47	4.50	4.51	4.55	4.63	4.68	4.81	4.95	5.07	5.17	5.30
41	4.76	4.86	4.96	5.01	5.03	5.05	5.07	5.10	5.11	5.15	5.23	5.28	5.41	5.55	5.73	5.71	5.84
45	5.16	5.26	5.36	5.41	5.43	5.45	5.47	5.50	5.51	5.55	5.63	5.68	5.81	5.95	6.13	6.07	6.20
50	—	5.76	5.86	5.91	5.93	5.95	5.97	6.00	6.01	6.05	6.13	6.18	6.31	6.45	6.58	6.52	6.65
55	—	—	6.36	6.41	6.43	6.45	6.47	6.50	6.51	6.55	6.63	6.68	6.81	6.95	7.03	6.97	7.10
60	—	—	6.86	6.91	6.93	6.95	7.02	7.05	7.06	7.05	7.13	7.18	7.31	7.45	7.48	7.42	7.55

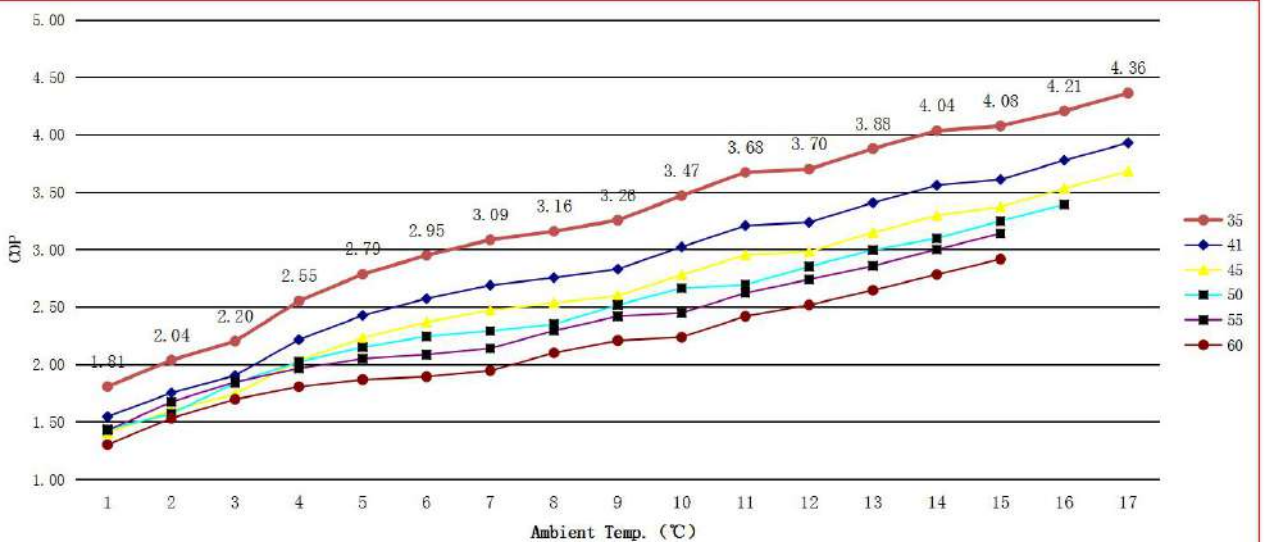
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.78	2.01	2.18	2.53	2.76	2.92	3.05	3.13	3.23	3.45	3.63	3.66	3.85	4.01	4.11	4.17	4.27
41	1.52	1.73	1.88	2.19	2.40	2.55	2.66	2.73	2.79	2.99	3.17	3.20	3.38	3.54	3.60	3.73	3.83
45	1.38	1.58	1.72	2.01	2.21	2.34	2.45	2.51	2.56	2.73	2.91	2.95	3.12	3.27	3.34	3.48	3.58
50	—	1.42	1.55	1.82	2.01	2.13	2.22	2.26	2.32	2.44	2.63	2.66	2.82	2.97	3.06	3.20	3.30
55	—	—	1.41	1.66	1.83	1.94	2.03	2.06	2.11	2.19	2.38	2.42	2.57	2.71	2.82	2.95	3.05
60	—	—	1.29	1.51	1.68	1.78	1.85	1.87	1.91	1.97	2.18	2.21	2.35	2.49	2.61	2.73	2.82

Heating Capacity



COP



P17A 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.50	8.88	9.80	11.04	12.44	13.61	14.26	14.67	15.18	16.93	18.56	19.08	20.59	21.88	22.97	24.16	25.36
41	7.33	8.71	9.64	10.88	12.28	13.44	14.10	14.51	15.02	16.72	18.38	18.84	20.29	21.57	22.67	23.86	25.06
45	7.23	8.61	9.53	10.77	12.17	13.34	13.99	14.40	14.91	16.58	18.26	18.68	20.08	21.37	22.47	23.66	24.86
50	—	8.47	9.40	10.63	12.03	13.20	13.86	14.20	14.71	16.28	17.91	18.33	19.66	20.94	22.07	23.26	24.46
55	—	—	9.26	10.50	11.90	13.07	13.72	14.00	14.51	15.98	17.56	17.98	19.23	20.52	21.67	22.86	24.06
60	—	—	9.13	10.35	11.76	12.92	13.57	13.80	14.31	15.68	17.21	17.63	18.81	20.09	21.27	22.46	23.66

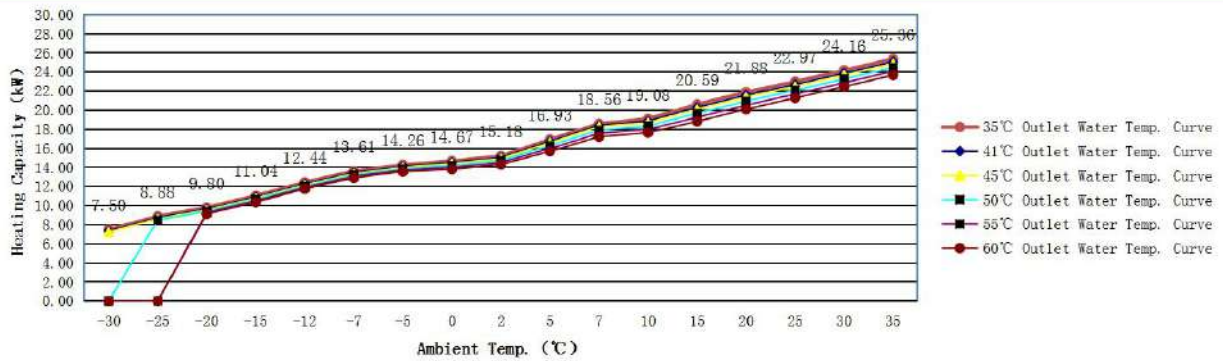
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.43	4.53	4.63	4.68	4.70	4.71	4.72	4.73	4.73	4.95	5.15	5.20	5.33	5.50	5.68	5.83	5.98
41	5.15	5.25	5.35	5.40	5.42	5.43	5.44	5.45	5.45	5.61	5.81	5.86	5.99	6.10	6.28	6.43	6.64
45	5.63	5.73	5.83	5.88	5.90	5.91	5.92	5.93	5.93	6.05	6.25	6.30	6.43	6.50	6.68	6.83	7.04
50	—	6.33	6.43	6.48	6.50	6.51	6.52	6.53	6.53	6.60	6.80	6.85	6.98	7.05	7.18	7.33	7.54
55	—	—	7.03	7.08	7.10	7.11	7.12	7.13	7.13	7.20	7.35	7.40	7.53	7.60	7.68	7.83	8.04
60	—	—	7.63	7.68	7.70	7.76	7.77	7.78	7.78	7.80	7.95	7.95	8.13	8.15	8.28	8.43	8.64

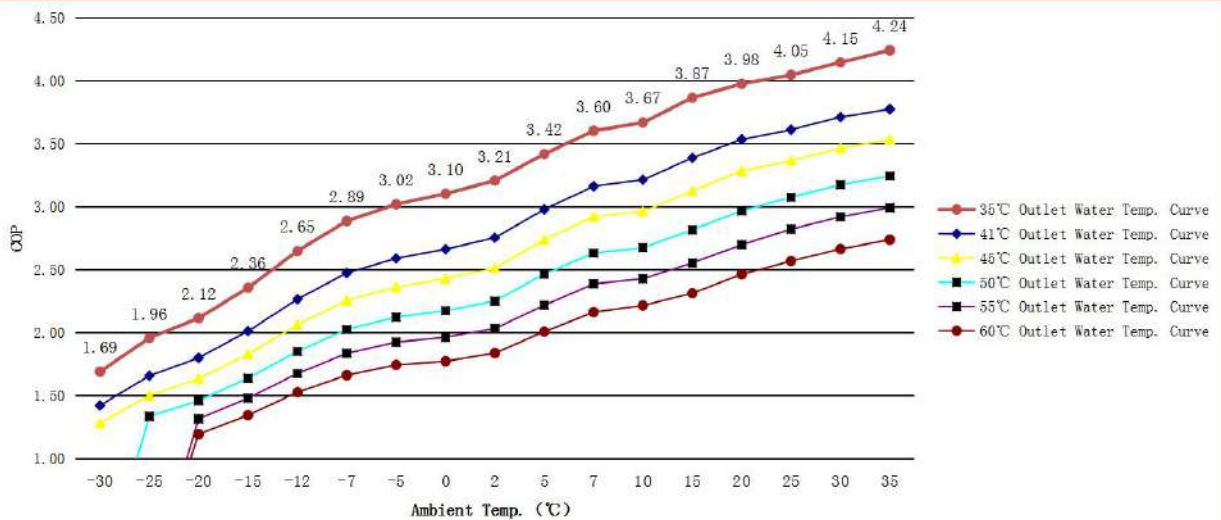
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.69	1.96	2.12	2.36	2.65	2.89	3.02	3.10	3.21	3.42	3.60	3.67	3.87	3.98	4.05	4.15	4.24
41	1.42	1.66	1.80	2.01	2.27	2.48	2.59	2.66	2.76	2.98	3.16	3.22	3.39	3.54	3.61	3.71	3.78
45	1.28	1.50	1.64	1.83	2.06	2.26	2.36	2.43	2.51	2.74	2.92	2.97	3.13	3.29	3.37	3.47	3.53
50	—	1.34	1.46	1.64	1.85	2.03	2.13	2.18	2.25	2.47	2.63	2.68	2.82	2.97	3.08	3.18	3.25
55	—	—	1.32	1.48	1.68	1.84	1.93	1.96	2.04	2.22	2.39	2.43	2.56	2.70	2.82	2.92	2.99
60	—	—	1.20	1.35	1.53	1.66	1.75	1.77	1.84	2.01	2.16	2.22	2.31	2.46	2.57	2.67	2.74

Heating Capacity



COP



P17A 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	8.28	9.80	11.06	12.62	14.13	15.03	15.43	16.03	16.70	18.70	20.50	20.90	22.55	24.21	25.14	26.60	27.91
41	8.12	9.64	10.90	12.46	13.96	14.87	15.25	15.79	16.39	18.46	20.19	20.59	22.25	23.91	24.84	26.30	27.61
45	8.01	9.53	10.79	12.35	13.86	14.76	15.13	15.63	16.19	18.30	19.99	20.39	22.04	23.70	24.64	26.10	27.41
50	—	9.40	10.66	12.21	13.72	14.62	14.98	15.33	15.76	18.00	19.57	19.96	21.62	23.28	24.24	25.70	27.01
55	—	—	10.52	12.08	13.59	14.49	14.83	15.03	15.34	17.70	19.14	19.54	21.19	22.85	23.84	25.30	26.61
60	—	—	10.39	11.93	13.45	14.34	14.63	14.73	15.14	17.40	18.72	19.11	20.77	22.43	23.44	24.90	26.21

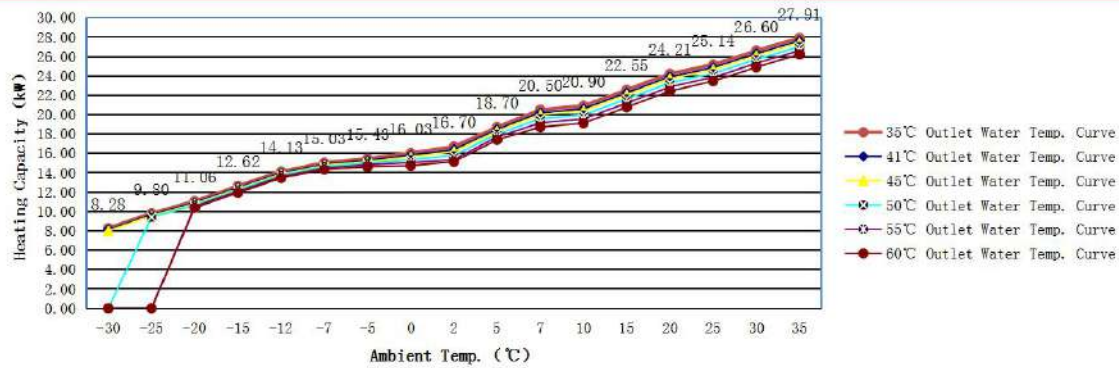
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.45	5.55	5.65	5.70	5.72	5.73	5.78	5.80	5.84	5.87	6.00	6.05	6.18	6.32	6.46	6.60	6.74
41	6.17	6.27	6.37	6.42	6.44	6.45	6.50	6.52	6.56	6.59	6.72	6.77	6.90	6.98	7.12	7.26	7.40
45	6.65	6.75	6.85	6.90	6.92	6.93	6.98	7.00	7.04	7.07	7.20	7.25	7.38	7.42	7.56	7.70	7.84
50	—	7.35	7.45	7.50	7.52	7.53	7.58	7.60	7.64	7.67	7.80	7.85	7.98	8.02	8.11	8.25	8.39
55	—	—	8.05	8.10	8.12	8.13	8.18	8.20	8.24	8.27	8.40	8.45	8.58	8.62	8.66	8.80	8.94
60	—	—	8.65	8.70	8.72	8.78	8.83	8.85	8.89	8.87	9.05	9.05	9.23	9.22	9.31	9.40	9.54

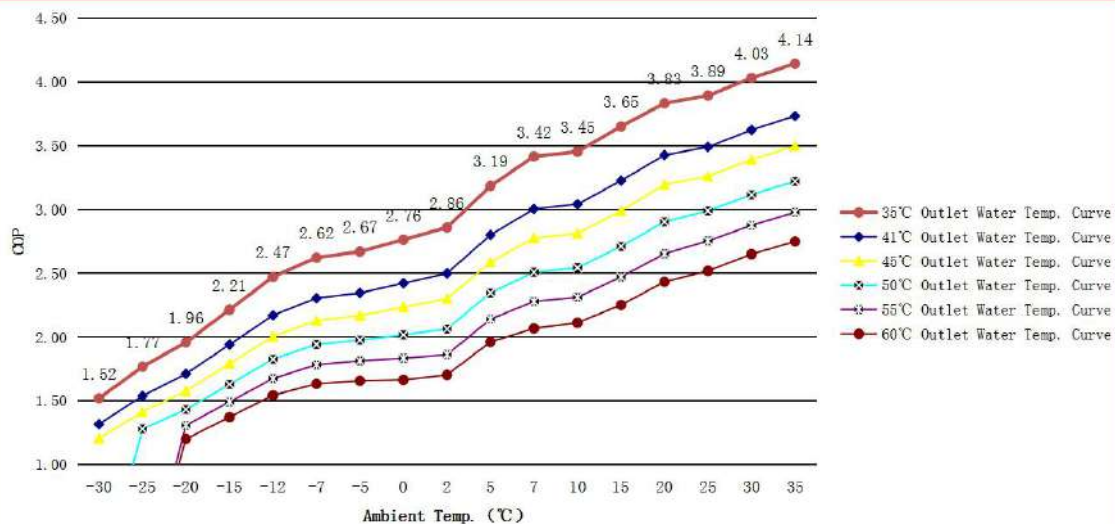
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.52	1.77	1.96	2.21	2.47	2.62	2.67	2.76	2.86	3.19	3.42	3.45	3.65	3.83	3.89	4.03	4.14
41	1.32	1.54	1.71	1.94	2.17	2.30	2.35	2.42	2.50	2.80	3.01	3.04	3.23	3.43	3.49	3.62	3.73
45	1.20	1.41	1.58	1.79	2.00	2.13	2.17	2.23	2.30	2.59	2.78	2.81	2.99	3.20	3.26	3.39	3.50
50	—	1.28	1.43	1.63	1.83	1.94	1.98	2.02	2.06	2.35	2.51	2.54	2.71	2.90	2.99	3.12	3.22
55	—	—	1.31	1.49	1.67	1.78	1.81	1.83	1.86	2.14	2.28	2.31	2.47	2.65	2.75	2.88	2.98
60	—	—	1.20	1.37	1.54	1.63	1.66	1.66	1.70	1.96	2.07	2.11	2.25	2.43	2.52	2.65	2.75

Heating Capacity



COP



P17T 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.23	3.74	4.14	4.86	5.33	5.67	5.95	6.14	6.36	6.84	7.33	7.61	8.22	8.82	9.16	9.69	10.29
41	3.10	3.60	4.01	4.73	5.21	5.55	5.83	6.02	6.18	6.66	7.15	7.43	8.03	8.63	8.97	9.50	10.10
45	3.01	3.52	3.92	4.64	5.13	5.47	5.75	5.94	6.06	6.54	7.03	7.31	7.90	8.50	8.84	9.37	9.97
50	—	3.41	3.81	4.53	5.03	5.37	5.65	5.84	5.91	6.39	6.88	7.16	7.65	8.25	8.59	9.12	9.72
55	—	—	3.70	4.42	4.93	5.27	5.55	5.71	5.76	6.24	6.73	7.01	7.40	8.00	8.34	8.87	9.47
60	—	—	3.60	4.31	4.83	5.17	5.44	5.58	5.61	6.09	6.58	6.86	7.15	7.75	8.09	8.62	9.22

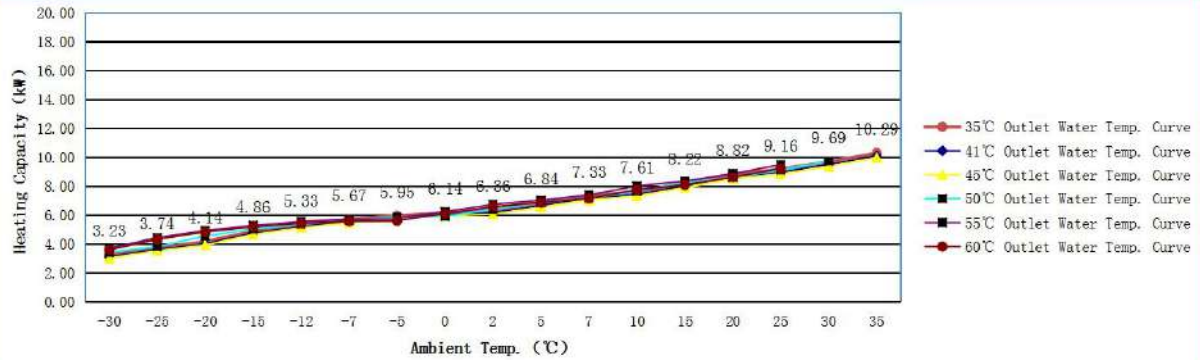
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.27	1.37	1.47	1.52	1.54	1.56	1.56	1.57	1.59	1.60	1.61	1.66	1.76	1.87	1.97	2.07	2.17
41	1.48	1.58	1.68	1.73	1.75	1.77	1.77	1.78	1.80	1.81	1.82	1.87	1.97	2.08	2.18	2.25	2.35
45	1.62	1.72	1.82	1.87	1.89	1.91	1.91	1.92	1.94	1.95	1.96	2.01	2.11	2.22	2.32	2.37	2.47
50	—	1.90	2.00	2.05	2.06	2.09	2.09	2.10	2.12	2.13	2.14	2.18	2.29	2.39	2.48	2.52	2.62
55	—	—	2.17	2.22	2.24	2.26	2.26	2.27	2.29	2.30	2.31	2.36	2.44	2.57	2.63	2.67	2.77
60	—	—	2.35	2.40	2.41	2.44	2.44	2.45	2.47	2.48	2.49	2.53	2.60	2.74	2.79	2.83	2.92

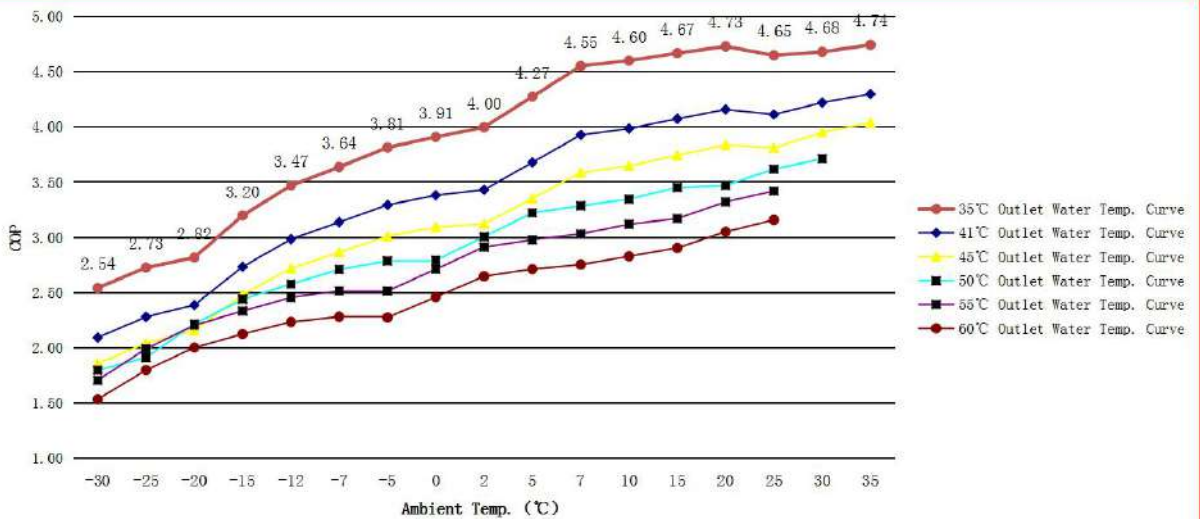
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.54	2.73	2.82	3.20	3.47	3.64	3.81	3.91	4.00	4.27	4.55	4.60	4.67	4.73	4.65	4.68	4.74
41	2.09	2.28	2.39	2.73	2.98	3.14	3.29	3.38	3.43	3.68	3.93	3.99	4.07	4.16	4.11	4.22	4.30
45	1.86	2.04	2.16	2.48	2.72	2.87	3.01	3.09	3.12	3.35	3.59	3.65	3.74	3.84	3.81	3.95	4.04
50	—	1.80	1.91	2.22	2.44	2.58	2.71	2.79	2.79	3.01	3.22	3.29	3.35	3.45	3.47	3.62	3.71
55	—	—	1.71	1.99	2.20	2.33	2.46	2.52	2.51	2.71	2.91	2.98	3.03	3.12	3.17	3.32	3.42
60	—	—	1.53	1.80	2.00	2.13	2.23	2.28	2.27	2.46	2.65	2.71	2.75	2.83	2.90	3.05	3.16

Heating Capacity



COP



P17T 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.59	6.47	7.18	8.42	9.23	9.83	10.31	10.64	11.01	11.85	12.70	12.95	13.97	15.00	15.58	16.48	17.50
41	5.46	6.34	7.05	8.29	9.11	9.71	10.19	10.52	10.83	11.67	12.52	12.77	13.78	14.81	15.38	16.28	17.31
45	5.37	6.25	6.96	8.20	9.03	9.63	10.11	10.44	10.71	11.55	12.40	12.65	13.65	14.68	15.26	16.16	17.18
50	—	6.14	6.85	8.09	8.93	9.53	10.01	10.34	10.56	11.40	12.25	12.50	13.40	14.43	15.01	15.91	16.93
55	—	—	6.74	7.98	8.83	9.43	9.91	10.21	10.41	11.25	12.10	12.35	13.15	14.18	14.76	15.66	16.68
60	—	—	6.63	7.87	8.73	9.33	9.80	10.08	10.26	11.10	11.95	12.20	12.90	13.93	14.51	15.41	16.43

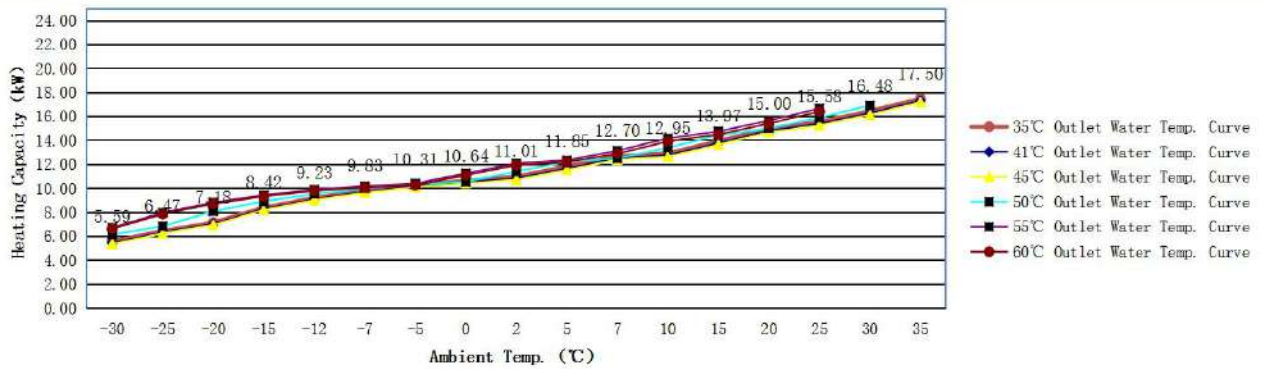
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.86	2.96	3.06	3.11	3.13	3.15	3.17	3.18	3.22	3.25	3.28	3.33	3.46	3.60	3.72	3.82	3.95
41	3.28	3.38	3.48	3.53	3.55	3.57	3.59	3.60	3.64	3.67	3.70	3.75	3.88	4.02	4.14	4.19	4.32
45	3.56	3.66	3.76	3.81	3.83	3.85	3.87	3.88	3.92	3.95	3.98	4.03	4.16	4.30	4.39	4.44	4.57
50	—	4.01	4.11	4.16	4.18	4.20	4.22	4.23	4.27	4.30	4.33	4.38	4.51	4.65	4.70	4.75	4.88
55	—	—	4.46	4.51	4.53	4.55	4.57	4.58	4.62	4.65	4.68	4.73	4.82	5.00	5.01	5.06	5.19
60	—	—	4.81	4.86	4.88	4.90	4.92	4.93	4.97	5.00	5.03	5.08	5.13	5.35	5.32	5.37	5.50

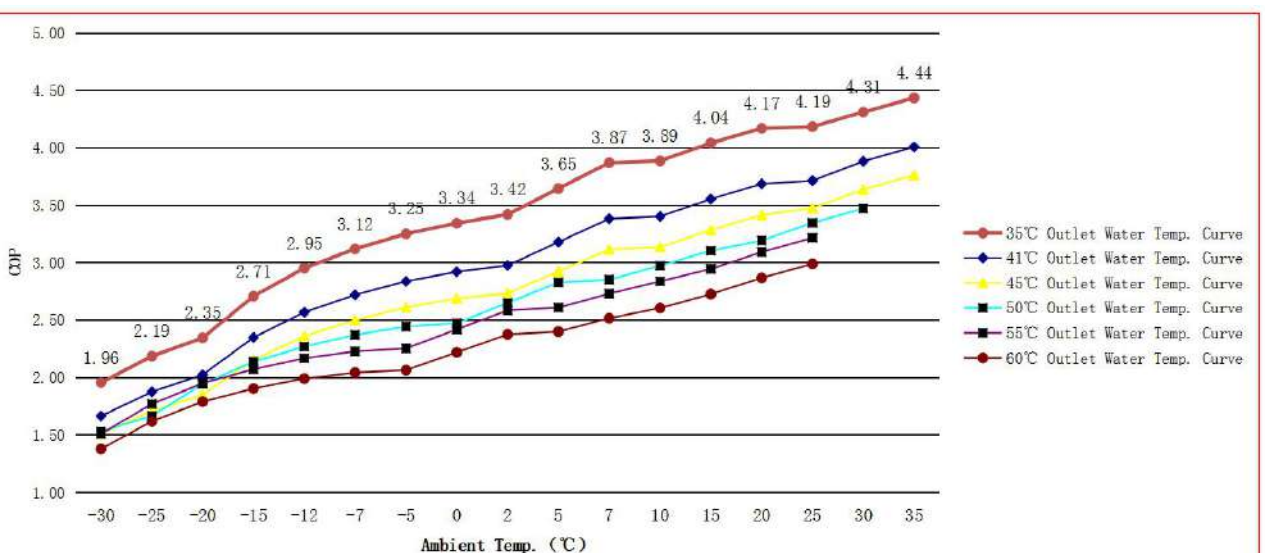
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.96	2.19	2.35	2.71	2.95	3.12	3.25	3.34	3.42	3.65	3.87	3.89	4.04	4.17	4.19	4.31	4.44
41	1.67	1.88	2.02	2.35	2.57	2.72	2.84	2.92	2.98	3.18	3.38	3.40	3.56	3.69	3.71	3.88	4.01
45	1.51	1.71	1.85	2.15	2.36	2.50	2.61	2.69	2.73	2.92	3.12	3.14	3.29	3.42	3.48	3.64	3.76
50	—	1.53	1.67	1.95	2.14	2.27	2.37	2.44	2.47	2.65	2.83	2.85	2.97	3.11	3.19	3.35	3.47
55	—	—	1.51	1.77	1.95	2.07	2.17	2.23	2.25	2.42	2.59	2.61	2.73	2.84	2.95	3.09	3.22
60	—	—	1.38	1.62	1.79	1.90	1.99	2.04	2.07	2.22	2.38	2.40	2.52	2.61	2.73	2.87	2.99

Heating Capacity



COP



P17T 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.99	6.93	7.69	9.02	9.88	10.53	11.04	11.39	11.80	12.69	13.60	13.86	14.96	16.06	16.68	17.54	18.64
41	5.85	6.79	7.54	8.88	9.76	10.40	10.91	11.25	11.59	12.49	13.40	13.66	14.76	15.86	16.48	17.34	18.43
45	5.75	6.69	7.45	8.78	9.68	10.32	10.82	11.15	11.46	12.35	13.26	13.52	14.62	15.72	16.34	17.20	18.30
50	—	6.57	7.33	8.67	9.57	10.21	10.71	11.04	11.29	12.18	13.00	13.26	14.36	15.46	16.08	16.94	18.04
55	—	—	7.21	8.55	9.47	10.11	10.60	10.89	11.12	11.99	12.74	13.00	14.10	15.20	15.82	16.68	17.78
60	—	—	7.09	8.43	9.36	10.00	10.48	10.74	10.95	11.80	12.48	12.74	13.84	14.94	15.56	16.42	17.52

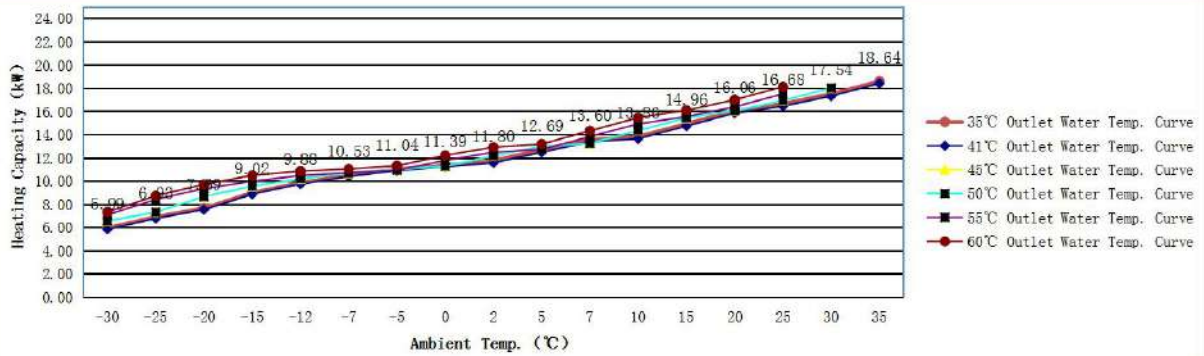
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.16	3.26	3.36	3.41	3.43	3.45	3.46	3.48	3.50	3.54	3.56	3.61	3.74	3.88	4.00	4.10	4.23
41	3.62	3.72	3.82	3.87	3.89	3.91	3.92	3.94	3.96	4.00	4.02	4.07	4.14	4.28	4.40	4.50	4.63
45	3.93	4.03	4.13	4.18	4.20	4.22	4.23	4.25	4.27	4.31	4.33	4.38	4.41	4.57	4.67	4.77	4.90
50	—	4.42	4.52	4.57	4.58	4.61	4.62	4.64	4.66	4.70	4.72	4.74	4.79	4.91	5.01	5.11	5.23
55	—	—	4.90	4.95	4.97	4.99	5.00	5.02	5.04	5.08	5.10	5.12	5.13	5.24	5.34	5.44	5.57
60	—	—	5.29	5.34	5.35	5.38	5.43	5.45	5.47	5.47	5.49	5.51	5.46	5.58	5.68	5.78	5.90

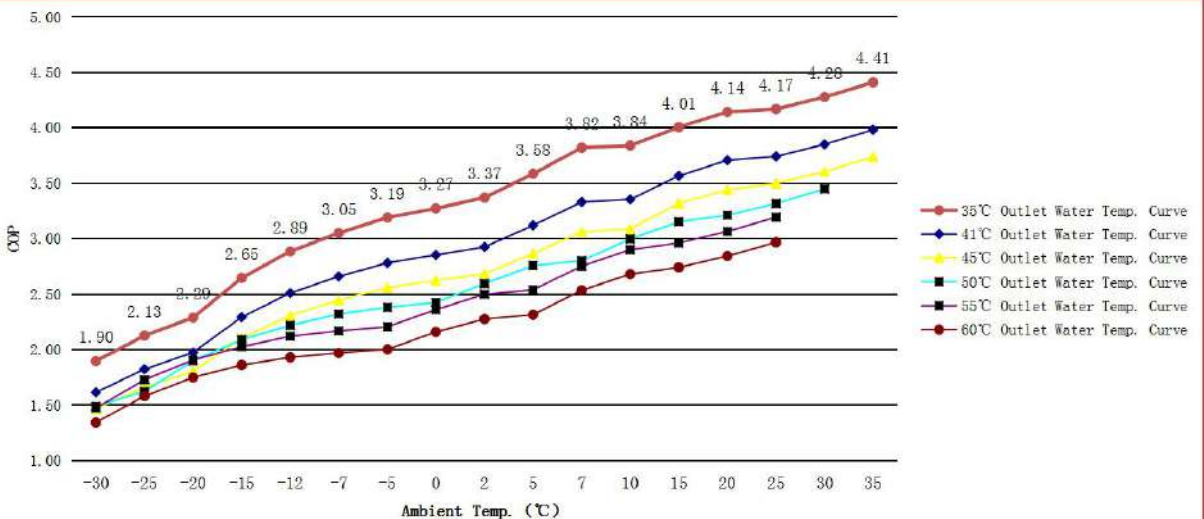
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.90	2.13	2.29	2.65	2.89	3.05	3.19	3.27	3.37	3.58	3.82	3.84	4.01	4.14	4.17	4.28	4.41
41	1.61	1.82	1.97	2.29	2.51	2.66	2.78	2.85	2.93	3.12	3.33	3.35	3.57	3.71	3.74	3.85	3.98
45	1.46	1.66	1.80	2.10	2.31	2.45	2.56	2.62	2.68	2.87	3.06	3.09	3.32	3.44	3.50	3.61	3.74
50	—	1.49	1.62	1.90	2.09	2.22	2.32	2.38	2.42	2.59	2.76	2.80	3.00	3.15	3.21	3.32	3.45
55	—	—	1.47	1.73	1.91	2.03	2.12	2.17	2.21	2.36	2.50	2.54	2.75	2.90	2.96	3.07	3.19
60	—	—	1.34	1.58	1.75	1.86	1.93	1.97	2.00	2.16	2.28	2.31	2.53	2.68	2.74	2.84	2.97

Heating Capacity



COP



P17T 60Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	6.21	7.19	7.97	9.35	10.25	11.03	11.45	11.81	12.23	13.16	14.10	14.37	15.51	16.65	17.29	18.19	19.32
41	6.06	7.04	7.82	9.20	10.12	10.90	11.31	11.66	12.01	12.94	13.88	14.16	15.30	16.44	17.08	17.97	19.10
45	5.96	6.94	7.72	9.11	10.04	10.82	11.22	11.56	11.87	12.80	13.74	14.01	15.15	16.29	16.93	17.83	18.96
50	—	6.81	7.60	8.99	9.93	10.71	11.10	11.39	11.69	12.62	13.47	13.74	14.88	16.02	16.66	17.56	18.69
55	—	—	7.47	8.87	9.83	10.61	10.99	11.22	11.51	12.42	13.20	13.47	14.61	15.75	16.39	17.29	18.42
60	—	—	7.35	8.74	9.72	10.50	10.86	11.05	11.34	12.22	12.93	13.20	14.34	15.48	16.12	17.02	18.15

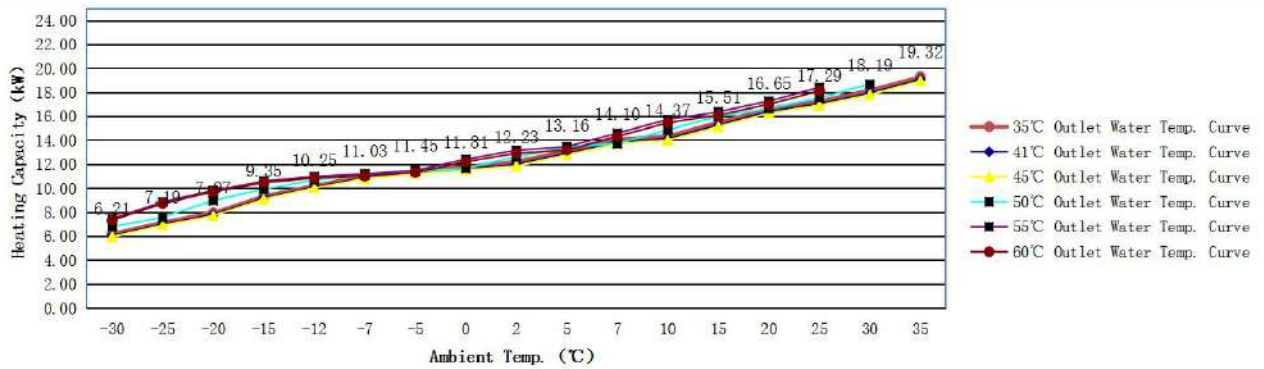
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.39	3.49	3.59	3.64	3.66	3.68	3.70	3.71	3.72	3.74	3.75	3.80	3.93	4.07	4.19	4.29	4.42
41	3.87	3.97	4.07	4.12	4.14	4.16	4.18	4.19	4.20	4.22	4.23	4.28	4.41	4.55	4.67	4.71	4.84
45	4.19	4.29	4.39	4.44	4.46	4.48	4.50	4.51	4.52	4.54	4.55	4.60	4.73	4.87	4.95	4.99	5.12
50	—	4.69	4.79	4.84	4.86	4.88	4.90	4.91	4.92	4.94	4.95	5.00	5.13	5.27	5.30	5.34	5.47
55	—	—	5.19	5.24	5.26	5.28	5.30	5.31	5.32	5.34	5.35	5.40	5.48	5.67	5.65	5.69	5.82
60	—	—	5.59	5.64	5.66	5.68	5.75	5.76	5.77	5.74	5.75	5.80	5.83	6.07	6.00	6.04	6.17

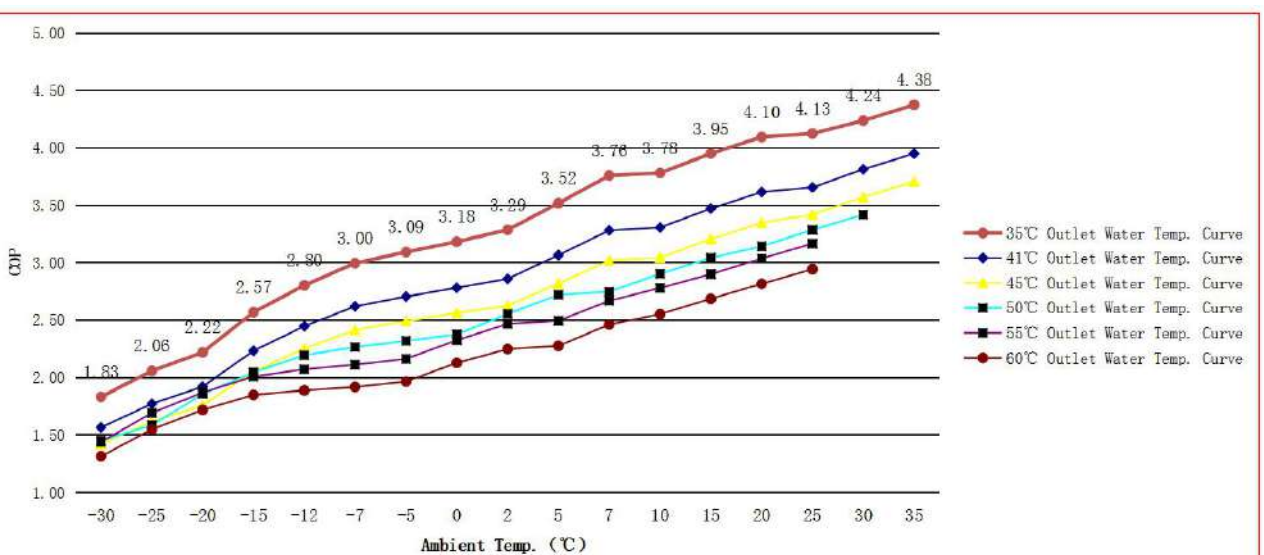
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.83	2.06	2.22	2.57	2.80	3.00	3.09	3.18	3.29	3.52	3.76	3.78	3.95	4.10	4.13	4.24	4.38
41	1.57	1.77	1.92	2.23	2.45	2.62	2.71	2.78	2.86	3.07	3.28	3.31	3.47	3.62	3.66	3.81	3.95
45	1.42	1.62	1.76	2.05	2.25	2.41	2.49	2.56	2.63	2.82	3.02	3.05	3.21	3.35	3.42	3.57	3.71
50	—	1.45	1.59	1.86	2.05	2.20	2.27	2.32	2.38	2.55	2.72	2.75	2.90	3.04	3.14	3.29	3.42
55	—	—	1.44	1.69	1.87	2.01	2.07	2.11	2.16	2.33	2.47	2.49	2.67	2.78	2.90	3.04	3.17
60	—	—	1.31	1.55	1.72	1.85	1.89	1.92	1.97	2.13	2.25	2.28	2.46	2.55	2.69	2.82	2.94

Heating Capacity



COP



P17T 66Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	6.78	7.85	8.70	10.21	11.19	11.92	12.50	12.90	13.36	14.37	15.40	15.70	16.94	18.19	18.89	19.86	21.15
41	6.63	7.70	8.55	10.06	11.06	11.79	12.35	12.74	13.14	14.15	15.18	15.48	16.73	17.97	18.67	19.65	20.94
45	6.53	7.60	8.45	9.96	10.97	11.70	12.25	12.63	13.00	14.01	15.04	15.34	16.58	17.83	18.53	19.50	20.79
50	—	7.47	8.33	9.84	10.86	11.59	12.13	12.45	12.82	13.83	14.77	15.07	16.31	17.56	18.26	19.23	20.52
55	—	—	8.20	9.71	10.75	11.48	12.00	12.27	12.64	13.63	14.50	14.80	16.04	17.29	17.99	18.96	20.25
60	—	—	8.08	9.58	10.64	11.37	11.87	12.09	12.46	13.43	14.23	14.53	15.77	17.02	17.72	18.69	19.98

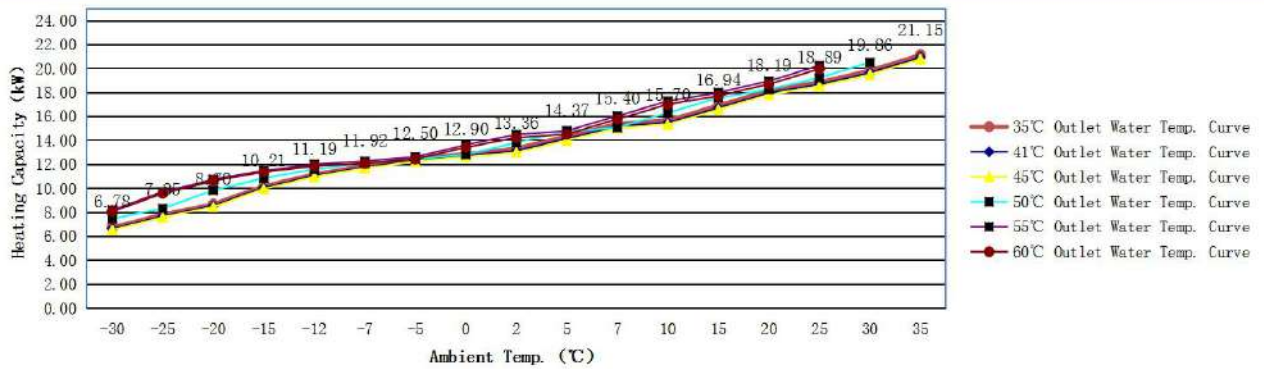
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.75	3.85	3.95	4.00	4.02	4.04	4.05	4.08	4.10	4.14	4.19	4.24	4.37	4.51	4.63	4.73	4.85
41	4.29	4.39	4.49	4.54	4.56	4.58	4.59	4.62	4.64	4.68	4.73	4.78	4.91	5.05	5.17	5.21	5.33
45	4.65	4.75	4.85	4.90	4.92	4.94	4.95	4.98	5.00	5.04	5.09	5.14	5.27	5.41	5.49	5.53	5.65
50	—	5.20	5.30	5.35	5.37	5.39	5.40	5.43	5.45	5.49	5.54	5.59	5.72	5.86	5.89	5.93	6.05
55	—	—	5.75	5.80	5.82	5.84	5.85	5.88	5.90	5.94	5.99	6.04	6.12	6.31	6.29	6.33	6.45
60	—	—	6.20	6.25	6.27	6.29	6.35	6.38	6.40	6.39	6.44	6.49	6.52	6.76	6.69	6.73	6.85

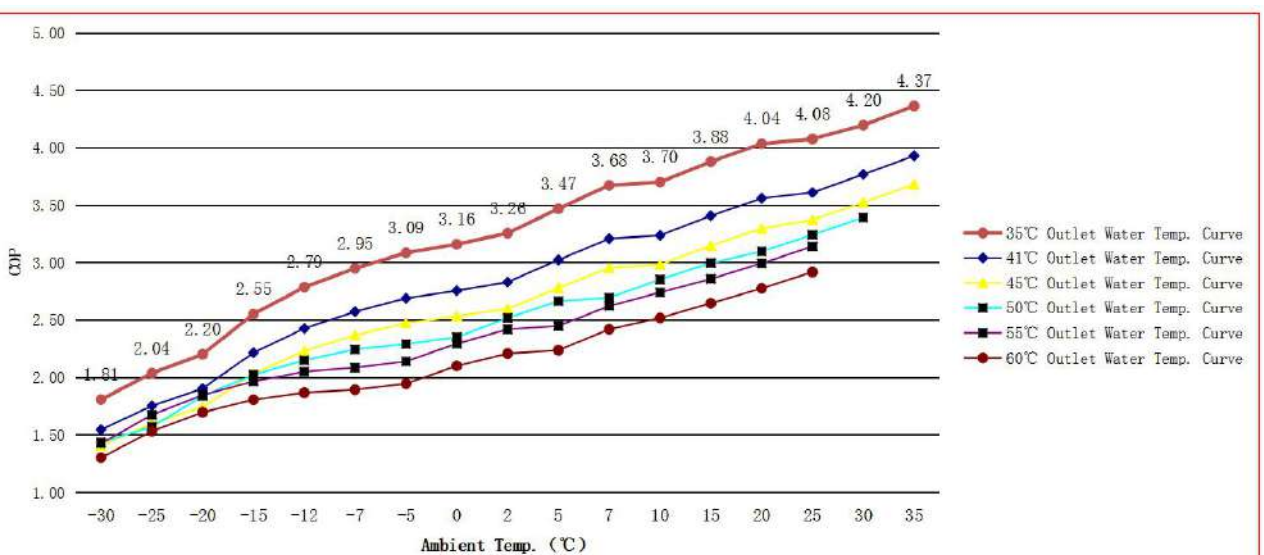
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.81	2.04	2.20	2.55	2.79	2.95	3.09	3.16	3.26	3.47	3.68	3.70	3.88	4.04	4.08	4.20	4.37
41	1.55	1.75	1.91	2.22	2.43	2.57	2.69	2.76	2.83	3.02	3.21	3.24	3.41	3.56	3.61	3.77	3.93
45	1.41	1.60	1.74	2.03	2.23	2.37	2.48	2.54	2.60	2.78	2.95	2.98	3.15	3.30	3.37	3.53	3.68
50	—	1.44	1.57	1.84	2.02	2.15	2.25	2.29	2.35	2.52	2.67	2.70	2.85	3.00	3.10	3.24	3.39
55	—	—	1.43	1.67	1.85	1.97	2.05	2.09	2.14	2.29	2.42	2.45	2.62	2.74	2.86	3.00	3.14
60	—	—	1.30	1.53	1.70	1.81	1.87	1.89	1.95	2.10	2.21	2.24	2.42	2.52	2.65	2.78	2.92

Heating Capacity



COP



P17T 72Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.40	8.56	9.50	11.14	12.21	13.01	13.64	14.07	14.57	15.68	16.80	17.13	18.48	19.84	20.60	21.67	23.02
41	7.24	8.40	9.33	10.98	12.08	12.86	13.48	13.89	14.26	15.37	16.56	16.89	18.24	19.60	20.36	21.43	22.78
45	7.13	8.29	9.23	10.87	11.99	12.77	13.37	13.77	14.10	15.17	16.40	16.73	18.08	19.44	20.20	21.27	22.62
50	—	8.16	9.09	10.74	11.88	12.65	13.23	13.57	13.90	14.74	16.10	16.43	17.78	19.14	19.90	20.97	22.32
55	—	—	8.96	10.60	11.77	12.53	13.10	13.37	13.70	14.32	15.80	16.13	17.48	18.84	19.60	20.67	22.02
60	—	—	8.82	10.45	11.65	12.40	12.95	13.17	13.50	13.89	15.50	15.83	17.18	18.54	19.30	20.37	21.72

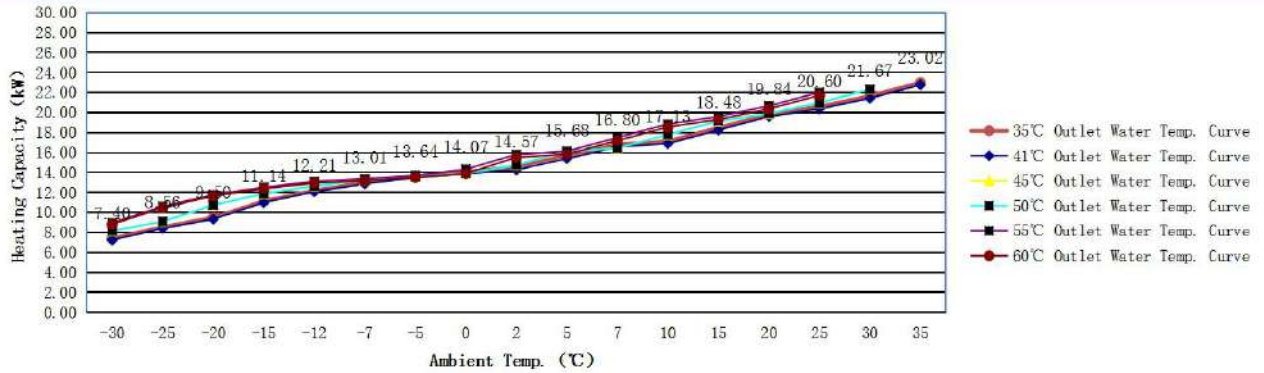
Power Input kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.16	4.26	4.36	4.41	4.43	4.45	4.47	4.50	4.51	4.55	4.63	4.68	4.81	4.95	5.07	5.17	5.30
41	4.76	4.86	4.96	5.01	5.03	5.05	5.07	5.10	5.11	5.15	5.23	5.28	5.41	5.55	5.73	5.71	5.84
45	5.16	5.26	5.36	5.41	5.43	5.45	5.47	5.50	5.51	5.55	5.63	5.68	5.81	5.95	6.13	6.07	6.20
50	—	5.76	5.86	5.91	5.93	5.95	5.97	6.00	6.01	6.05	6.13	6.18	6.31	6.45	6.58	6.52	6.65
55	—	—	6.36	6.41	6.43	6.45	6.47	6.50	6.51	6.55	6.63	6.68	6.81	6.95	7.03	6.97	7.10
60	—	—	6.86	6.91	6.93	6.95	7.02	7.05	7.06	7.05	7.13	7.18	7.31	7.45	7.48	7.42	7.55

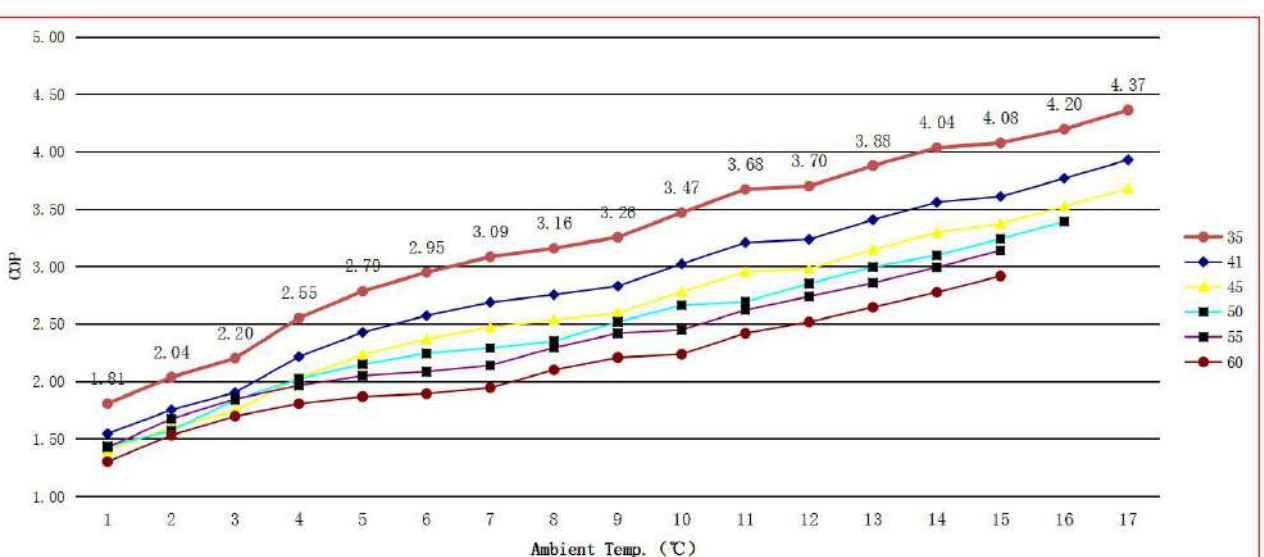
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.78	2.01	2.18	2.53	2.76	2.92	3.05	3.13	3.23	3.45	3.63	3.66	3.85	4.01	4.06	4.19	4.35
41	1.52	1.73	1.88	2.19	2.40	2.55	2.66	2.72	2.79	2.98	3.17	3.20	3.37	3.53	3.55	3.75	3.90
45	1.38	1.58	1.72	2.01	2.21	2.34	2.44	2.50	2.56	2.73	2.91	2.94	3.11	3.27	3.30	3.50	3.65
50	—	1.42	1.55	1.82	2.00	2.13	2.22	2.26	2.31	2.44	2.63	2.66	2.82	2.97	3.02	3.22	3.36
55	—	—	1.41	1.65	1.83	1.94	2.02	2.06	2.11	2.19	2.38	2.41	2.57	2.71	2.79	2.96	3.10
60	—	—	1.29	1.51	1.68	1.78	1.84	1.87	1.91	1.97	2.17	2.20	2.35	2.49	2.58	2.74	2.88

Heating Capacity



COP



P17T 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.51	8.90	9.83	11.06	12.47	13.63	14.29	14.70	15.14	16.96	18.60	18.96	20.46	21.97	22.81	23.99	25.18
41	7.35	8.73	9.66	10.90	12.30	13.47	14.13	14.54	14.97	16.75	18.42	18.72	20.16	21.66	22.51	23.69	24.88
45	7.24	8.63	9.56	10.79	12.20	13.36	14.02	14.43	14.87	16.61	18.30	18.56	19.95	21.46	22.31	23.49	24.68
50	—	8.49	9.42	10.66	12.06	13.23	13.89	14.23	14.67	16.31	17.95	18.21	19.53	21.03	21.91	23.09	24.28
55	—	—	9.29	10.52	11.93	13.09	13.75	14.03	14.47	16.01	17.60	17.86	19.10	20.61	21.51	22.69	23.88
60	—	—	9.15	10.37	11.79	12.94	13.60	13.83	14.27	15.71	17.25	17.51	18.68	20.18	21.11	22.29	23.48

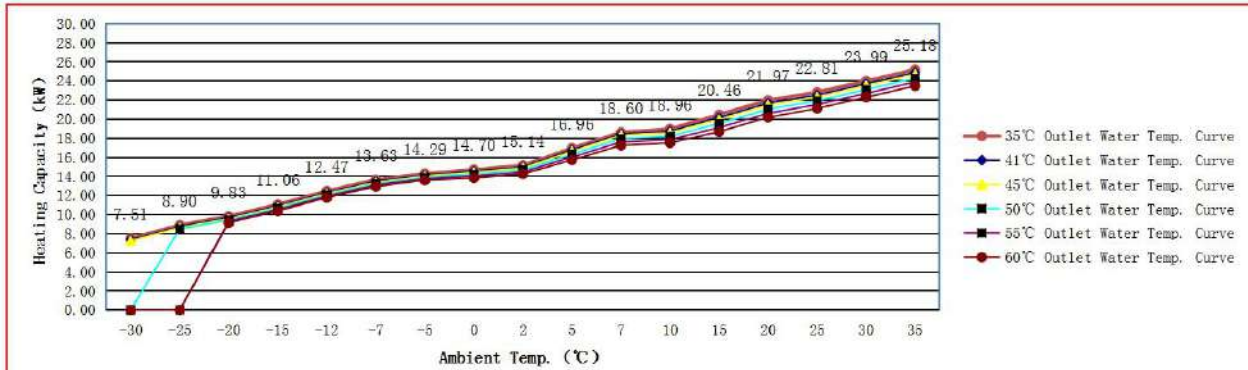
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.43	4.53	4.63	4.68	4.70	4.71	4.72	4.73	4.73	4.95	5.15	5.20	5.33	5.50	5.68	5.83	5.98
41	5.15	5.25	5.35	5.40	5.42	5.43	5.44	5.45	5.45	5.61	5.81	5.86	5.99	6.10	6.28	6.43	6.64
45	5.63	5.73	5.83	5.88	5.90	5.91	5.92	5.93	5.93	6.05	6.25	6.30	6.43	6.50	6.68	6.83	7.04
50	—	6.33	6.43	6.48	6.50	6.51	6.52	6.53	6.53	6.60	6.80	6.85	6.98	7.05	7.18	7.33	7.54
55	—	—	7.03	7.08	7.10	7.11	7.12	7.13	7.13	7.20	7.35	7.40	7.53	7.60	7.68	7.83	8.04
60	—	—	7.63	7.68	7.70	7.76	7.77	7.78	7.78	7.80	7.95	7.95	8.13	8.15	8.28	8.43	8.64

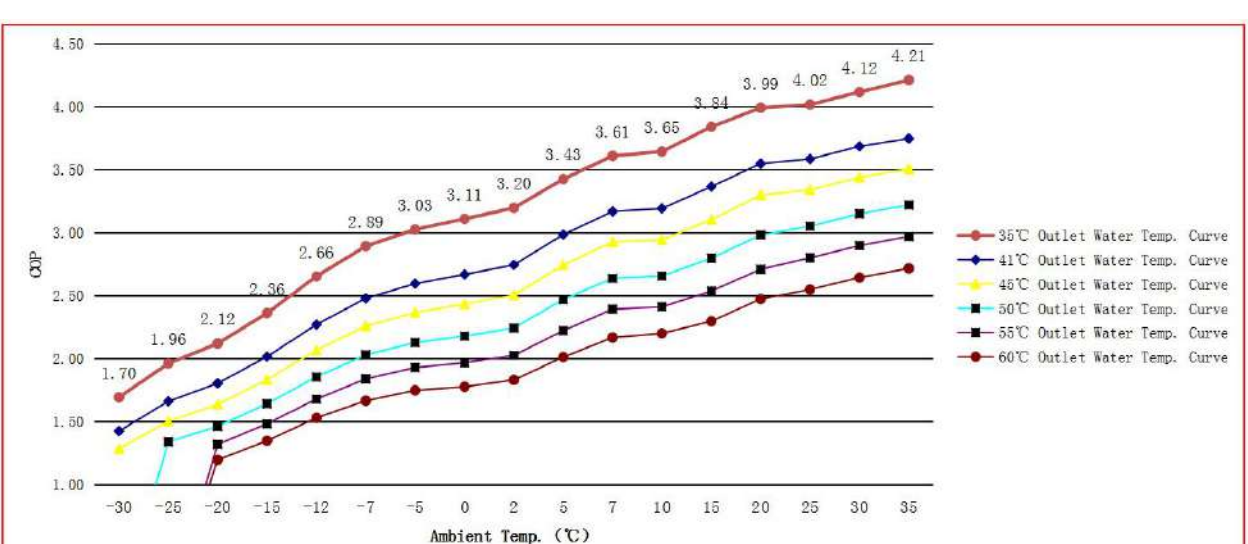
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.70	1.96	2.12	2.36	2.66	2.89	3.03	3.11	3.20	3.43	3.61	3.65	3.84	3.99	4.02	4.12	4.21
41	1.43	1.66	1.81	2.02	2.27	2.48	2.60	2.67	2.75	2.99	3.17	3.19	3.37	3.55	3.59	3.69	3.75
45	1.29	1.51	1.64	1.84	2.07	2.26	2.37	2.44	2.51	2.75	2.93	2.95	3.11	3.30	3.34	3.44	3.51
50	—	1.34	1.47	1.64	1.86	2.03	2.13	2.18	2.25	2.47	2.64	2.66	2.80	2.98	3.05	3.15	3.22
55	—	—	1.32	1.49	1.68	1.84	1.93	1.97	2.03	2.22	2.39	2.41	2.54	2.71	2.80	2.90	2.97
60	—	—	1.20	1.35	1.53	1.67	1.75	1.78	1.83	2.01	2.17	2.20	2.30	2.48	2.55	2.65	2.72

Heating Capacity



COP



P17T 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	8.28	9.80	11.06	12.62	14.13	15.03	15.43	16.03	16.68	18.70	20.50	20.90	22.55	24.21	25.14	26.44	27.75
41	8.12	9.64	10.90	12.46	13.96	14.87	15.25	15.79	16.38	18.46	20.19	20.59	22.25	23.91	24.84	26.14	27.45
45	8.01	9.53	10.79	12.35	13.86	14.76	15.13	15.63	16.17	18.30	19.99	20.39	22.04	23.70	24.64	25.94	27.25
50	—	9.40	10.66	12.21	13.72	14.62	14.98	15.33	15.75	18.00	19.57	19.96	21.62	23.28	24.24	25.54	26.85
55	—	—	10.52	12.08	13.59	14.49	14.83	15.03	15.32	17.70	19.14	19.54	21.19	22.85	23.84	25.14	26.45
60	—	—	10.39	11.93	13.45	14.34	14.63	14.73	15.12	17.40	18.72	19.11	20.77	22.43	23.44	24.74	26.05

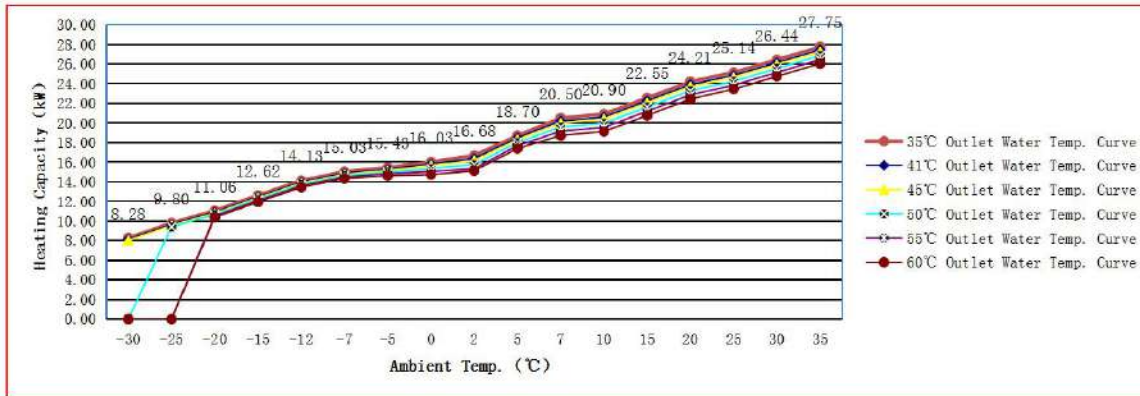
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.45	5.55	5.65	5.70	5.72	5.73	5.78	5.80	5.84	5.87	6.00	6.05	6.18	6.32	6.46	6.60	6.74
41	6.17	6.27	6.37	6.42	6.44	6.45	6.50	6.52	6.56	6.59	6.72	6.77	6.90	6.98	7.12	7.26	7.40
45	6.65	6.75	6.85	6.90	6.92	6.93	6.98	7.00	7.04	7.07	7.20	7.25	7.38	7.42	7.56	7.70	7.84
50	—	7.35	7.45	7.50	7.52	7.53	7.58	7.60	7.64	7.67	7.80	7.85	7.98	8.02	8.11	8.25	8.39
55	—	—	8.05	8.10	8.12	8.13	8.18	8.20	8.24	8.27	8.40	8.45	8.58	8.62	8.66	8.80	8.94
60	—	—	8.65	8.70	8.72	8.78	8.83	8.85	8.89	8.87	9.05	9.05	9.23	9.22	9.31	9.40	9.54

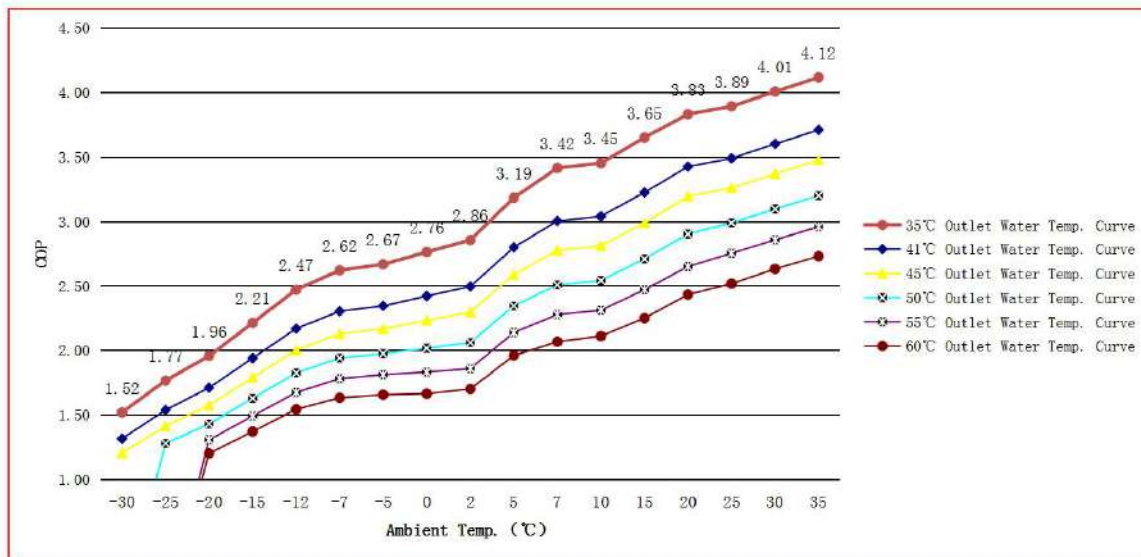
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.52	1.77	1.96	2.21	2.47	2.62	2.67	2.76	2.86	3.19	3.42	3.45	3.65	3.83	3.89	4.01	4.12
41	1.32	1.54	1.71	1.94	2.17	2.30	2.35	2.42	2.50	2.80	3.01	3.04	3.23	3.43	3.49	3.60	3.71
45	1.20	1.41	1.58	1.79	2.00	2.13	2.17	2.23	2.30	2.59	2.78	2.81	2.99	3.20	3.26	3.37	3.48
50	—	1.28	1.43	1.63	1.83	1.94	1.98	2.02	2.06	2.35	2.51	2.54	2.71	2.90	2.99	3.10	3.20
55	—	—	1.31	1.49	1.67	1.78	1.81	1.83	1.86	2.14	2.28	2.31	2.47	2.65	2.75	2.86	2.96
60	—	—	1.20	1.37	1.54	1.63	1.66	1.66	1.70	1.96	2.07	2.11	2.25	2.43	2.52	2.63	2.73

Heating Capacity



COP



P24T 30Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.00	4.68	5.71	6.16	6.32	6.88	7.60	8.14	8.50	9.31	10.00	11.09	12.77	13.71	14.40	14.88	15.52
41	3.84	4.56	5.56	6.01	6.17	6.73	7.42	7.99	8.38	9.13	9.82	10.97	12.59	13.59	14.28	14.76	15.40
45	3.73	4.48	5.46	5.91	6.07	6.63	7.30	7.89	8.30	9.01	9.70	10.89	12.47	13.51	14.20	14.68	15.32
50	—	4.38	5.33	5.78	5.94	6.51	7.15	7.76	8.20	8.86	9.55	10.79	12.32	13.36	14.05	14.53	15.17
55	—	—	5.20	5.66	5.82	6.38	7.00	7.64	8.10	8.71	9.40	10.69	12.22	13.21	13.90	14.38	14.77
60	—	—	5.08	5.53	5.69	6.26	6.80	7.51	8.00	8.56	9.25	10.59	12.12	13.06	13.75	14.23	14.62

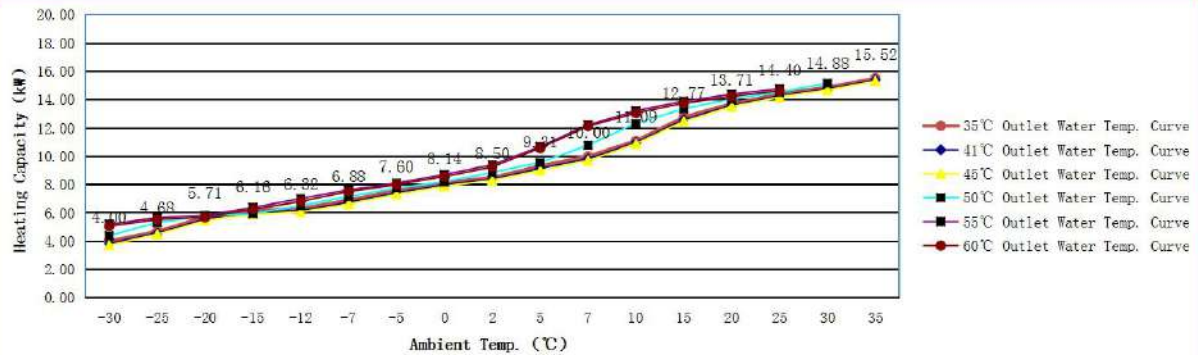
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.77	1.82	1.87	1.92	1.95	2.00	2.00	2.11	2.15	2.20	2.21	2.30	2.43	2.51	2.59	2.66	2.74
41	2.04	2.09	2.14	2.19	2.22	2.27	2.27	2.38	2.40	2.44	2.45	2.48	2.55	2.63	2.77	2.84	2.92
45	2.22	2.27	2.32	2.37	2.40	2.45	2.45	2.56	2.57	2.60	2.61	2.62	2.75	2.79	2.89	2.96	3.08
50	—	2.50	2.55	2.60	2.63	2.68	2.68	2.79	2.80	2.80	2.82	2.85	2.95	3.04	3.11	3.16	3.23
55	—	—	2.77	2.82	2.85	2.90	2.90	3.01	3.02	3.05	3.07	3.11	3.20	3.34	3.36	3.41	3.46
60	—	—	3.00	3.05	3.08	3.15	3.15	3.26	3.27	3.28	3.30	3.32	3.42	3.64	3.66	3.71	3.71

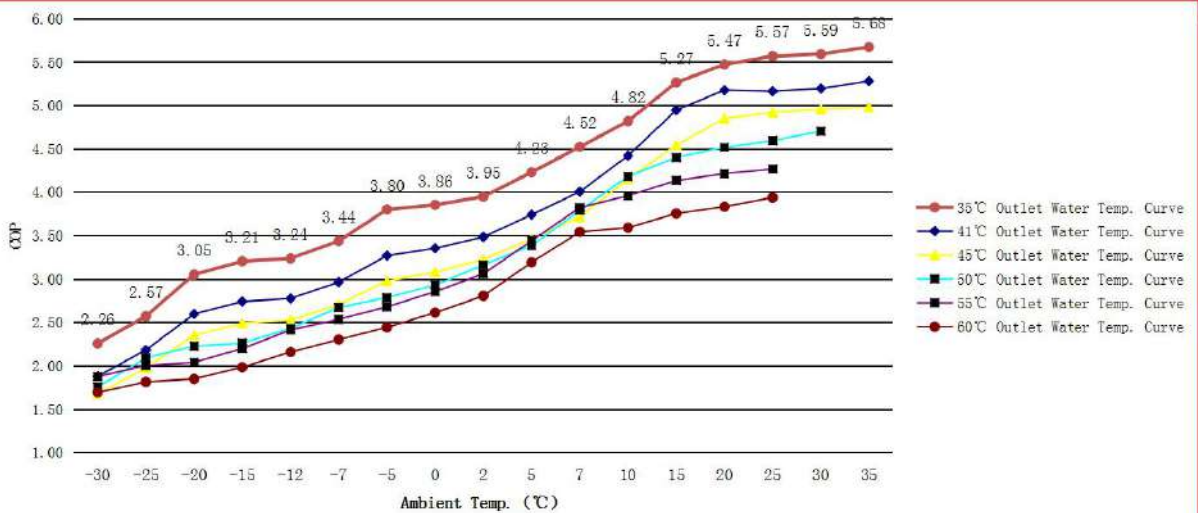
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.26	2.57	3.05	3.21	3.24	3.44	3.80	3.86	3.95	4.23	4.52	4.82	5.27	5.47	5.57	5.59	5.68
41	1.88	2.18	2.60	2.74	2.78	2.97	3.27	3.36	3.49	3.74	4.01	4.42	4.95	5.18	5.16	5.20	5.28
45	1.68	1.98	2.35	2.49	2.53	2.71	2.98	3.08	3.23	3.47	3.72	4.16	4.54	4.85	4.92	4.96	4.98
50	—	1.76	2.09	2.23	2.26	2.43	2.67	2.79	2.93	3.17	3.39	3.79	4.18	4.40	4.52	4.60	4.70
55	—	—	1.88	2.01	2.04	2.20	2.42	2.54	2.68	2.86	3.06	3.44	3.83	3.96	4.14	4.22	4.27
60	—	—	1.70	1.82	1.85	1.99	2.16	2.30	2.45	2.61	2.81	3.19	3.54	3.59	3.76	3.84	3.94

Heating Capacity



COP



P24T 54Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.92	9.37	10.58	11.13	11.87	12.98	13.63	14.55	15.78	17.50	19.60	19.98	21.56	23.15	24.04	25.28	26.53
41	7.75	9.21	10.41	10.97	11.70	12.82	13.45	14.31	15.47	17.26	19.29	19.68	21.26	22.84	23.74	24.98	26.23
45	7.65	9.10	10.31	10.86	11.60	12.71	13.33	14.15	15.27	17.10	19.09	19.47	21.05	22.64	23.54	24.78	26.03
50	—	8.97	10.17	10.72	11.46	12.58	13.18	13.85	14.84	16.80	18.67	19.05	20.63	22.21	23.14	24.38	25.63
55	—	—	10.04	10.59	11.33	12.44	13.03	13.55	14.42	16.50	18.24	18.62	20.20	21.79	22.74	23.98	25.23
60	—	—	9.90	10.44	11.19	12.29	12.83	13.25	14.22	16.20	17.82	18.20	19.78	21.36	22.34	23.58	24.83

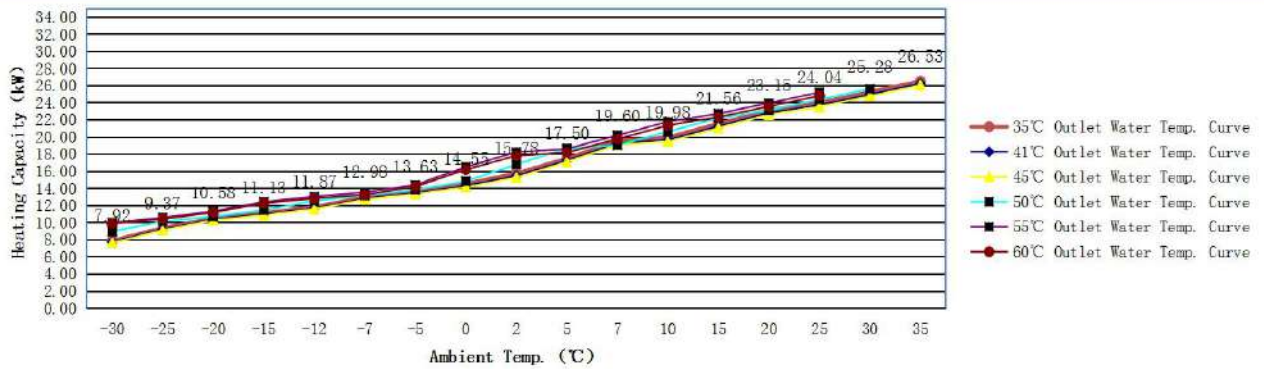
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	3.89	3.94	3.99	4.04	4.07	4.12	4.15	4.20	4.30	4.38	4.48	4.55	4.68	4.82	4.97	5.10	5.24
41	4.43	4.48	4.53	4.58	4.61	4.66	4.69	4.74	4.84	4.92	5.02	5.09	5.22	5.36	5.46	5.59	5.73
45	4.79	4.84	4.89	4.94	4.97	5.02	5.05	5.10	5.20	5.28	5.38	5.45	5.58	5.72	5.79	5.92	6.06
50	—	5.29	5.34	5.39	5.42	5.47	5.50	5.55	5.65	5.73	5.83	5.90	6.03	6.17	6.24	6.37	6.47
55	—	—	5.79	5.84	5.87	5.92	5.95	6.00	6.10	6.18	6.28	6.35	6.48	6.62	6.69	6.78	6.92
60	—	—	6.24	6.29	6.32	6.42	6.45	6.50	6.60	6.63	6.78	6.80	6.98	7.12	7.19	7.23	7.37

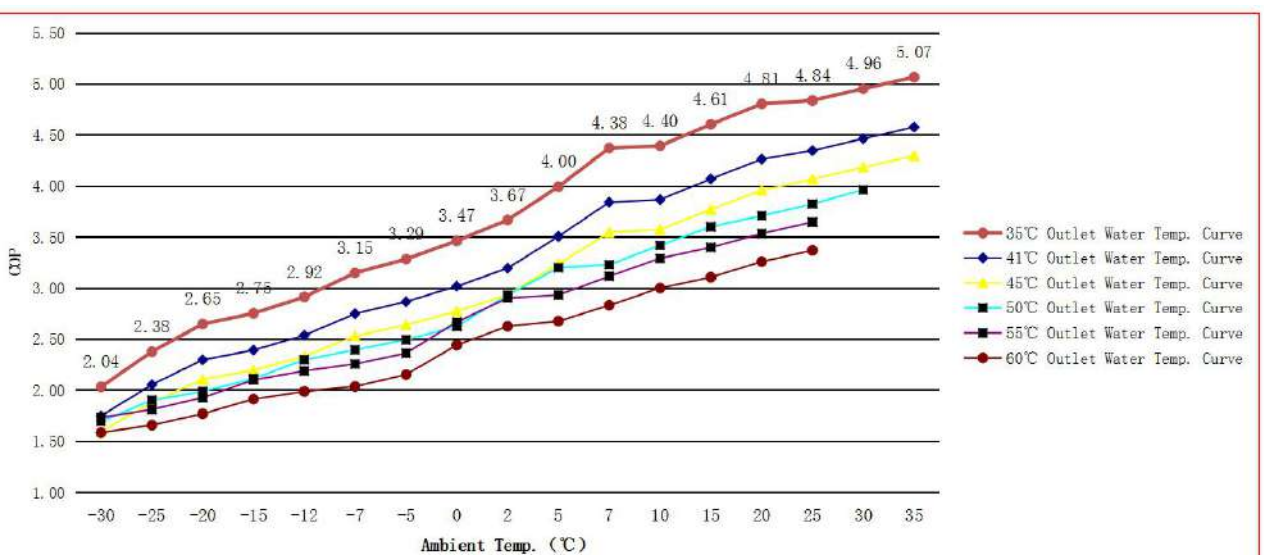
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	2.04	2.38	2.65	2.75	2.92	3.15	3.29	3.47	3.67	4.00	4.38	4.40	4.61	4.81	4.84	4.96	5.07
41	1.75	2.06	2.30	2.39	2.54	2.75	2.87	3.02	3.20	3.51	3.84	3.87	4.07	4.26	4.35	4.47	4.58
45	1.60	1.88	2.11	2.20	2.33	2.53	2.64	2.78	2.94	3.24	3.55	3.58	3.77	3.96	4.07	4.19	4.30
50	—	1.70	1.90	1.99	2.11	2.30	2.40	2.50	2.63	2.93	3.20	3.23	3.42	3.60	3.71	3.83	3.96
55	—	—	1.73	1.81	1.93	2.10	2.19	2.26	2.36	2.67	2.90	2.93	3.12	3.29	3.40	3.54	3.65
60	—	—	1.59	1.66	1.77	1.91	1.99	2.04	2.15	2.44	2.63	2.68	2.83	3.00	3.11	3.26	3.37

Heating Capacity



COP



P24T 57.5Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	8.36	9.90	11.17	11.75	12.53	13.71	14.40	15.37	16.66	18.48	20.70	21.10	22.77	24.45	25.39	26.70	28.02
41	8.20	9.74	11.01	11.59	12.37	13.55	14.22	15.13	16.36	18.24	20.39	20.80	22.47	24.14	25.09	26.40	27.72
45	8.09	9.63	10.90	11.48	12.26	13.44	14.10	14.97	16.15	18.08	20.19	20.59	22.26	23.94	24.89	26.20	27.52
50	—	9.49	10.76	11.35	12.13	13.31	13.95	14.67	15.73	17.78	19.77	20.17	21.84	23.51	24.49	25.80	27.12
55	—	—	10.63	11.21	11.99	13.17	13.80	14.37	15.30	17.48	19.34	19.74	21.41	23.09	24.09	25.40	26.72
60	—	—	10.49	11.06	11.86	13.02	13.60	14.07	15.10	17.18	18.92	19.32	20.99	22.66	23.69	25.00	26.32

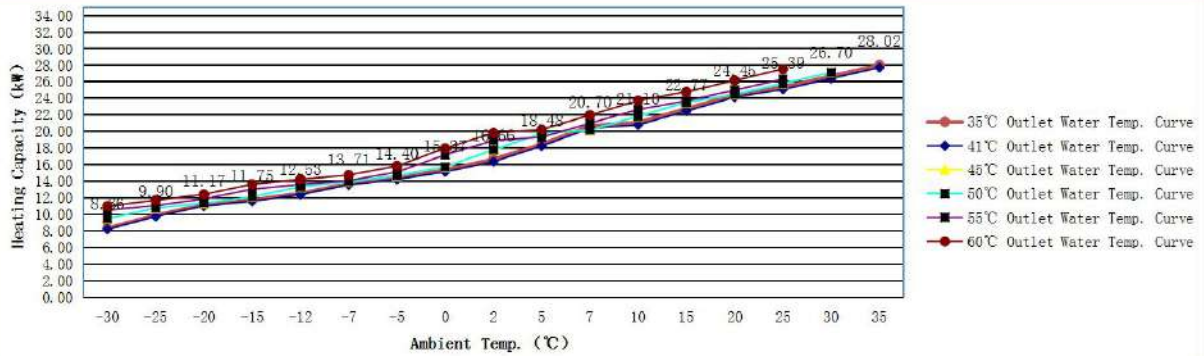
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.20	4.25	4.30	4.35	4.38	4.43	4.46	4.50	4.59	4.65	4.79	4.86	4.99	5.13	5.28	5.41	5.55
41	4.80	4.85	4.90	4.95	4.98	5.03	5.06	5.10	5.19	5.25	5.39	5.46	5.59	5.73	5.82	5.95	6.09
45	5.20	5.25	5.30	5.35	5.38	5.43	5.46	5.50	5.59	5.65	5.79	5.86	5.99	6.13	6.18	6.31	6.45
50	—	5.75	5.80	5.85	5.88	5.93	5.96	6.00	6.09	6.15	6.29	6.36	6.49	6.63	6.68	6.81	6.90
55	—	—	6.30	6.35	6.38	6.43	6.46	6.50	6.59	6.65	6.79	6.86	6.99	7.13	7.18	7.26	7.40
60	—	—	6.80	6.85	6.88	6.98	7.01	7.05	7.14	7.15	7.34	7.36	7.54	7.68	7.73	7.76	7.90

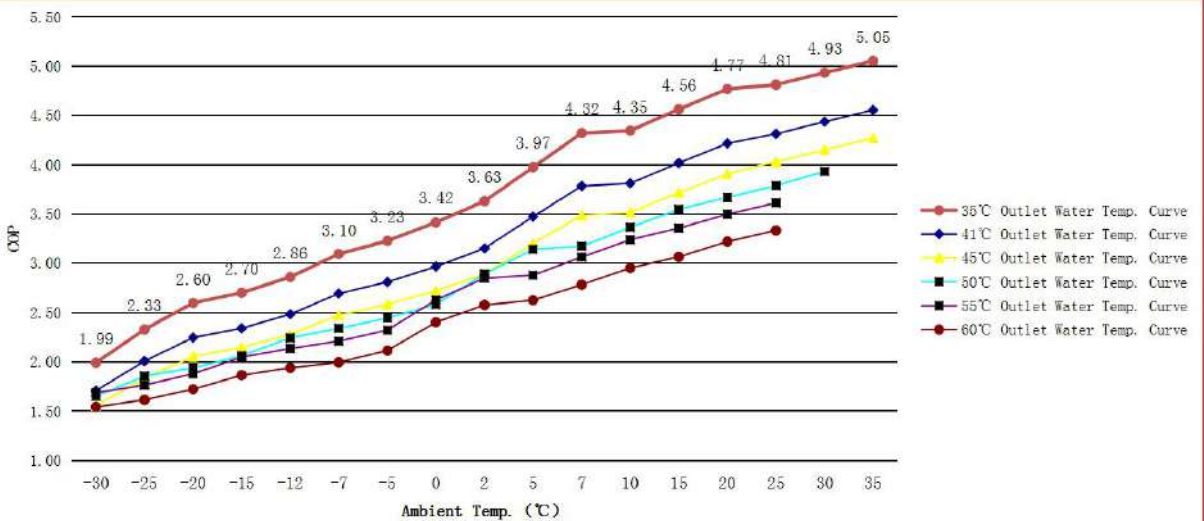
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.99	2.33	2.60	2.70	2.86	3.10	3.23	3.42	3.63	3.97	4.32	4.35	4.56	4.77	4.81	4.93	5.05
41	1.71	2.01	2.25	2.34	2.48	2.69	2.81	2.97	3.15	3.47	3.78	3.81	4.02	4.22	4.31	4.44	4.56
45	1.56	1.83	2.06	2.15	2.28	2.48	2.58	2.72	2.89	3.20	3.49	3.52	3.72	3.91	4.03	4.15	4.27
50	—	1.65	1.86	1.94	2.06	2.24	2.34	2.44	2.58	2.89	3.14	3.17	3.36	3.55	3.67	3.79	3.93
55	—	—	1.69	1.77	1.88	2.05	2.14	2.21	2.32	2.63	2.85	2.88	3.06	3.24	3.36	3.50	3.61
60	—	—	1.54	1.61	1.72	1.87	1.94	2.00	2.12	2.40	2.58	2.63	2.78	2.95	3.07	3.22	3.33

Heating Capacity



COP



P24T 60Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	8.72	10.33	11.66	12.39	13.08	14.31	15.03	16.04	17.39	19.28	21.60	22.02	23.76	25.51	26.49	27.86	29.24
41	8.56	10.17	11.49	12.23	12.91	14.15	14.85	15.80	17.08	19.04	21.29	21.71	23.46	25.21	26.19	27.56	28.94
45	8.45	10.06	11.39	12.12	12.81	14.04	14.73	15.64	16.88	18.88	21.09	21.51	23.25	25.00	25.99	27.36	28.74
50	—	9.92	11.25	11.99	12.67	13.90	14.58	15.34	16.45	18.58	20.67	21.09	22.83	24.58	25.59	26.96	28.34
55	—	—	11.12	11.85	12.54	13.77	14.43	15.04	16.03	18.28	20.24	20.66	22.40	24.15	25.19	26.56	27.94
60	—	—	10.98	11.70	12.40	13.62	14.23	14.74	15.83	17.98	19.82	20.24	21.98	23.73	24.79	26.16	27.54

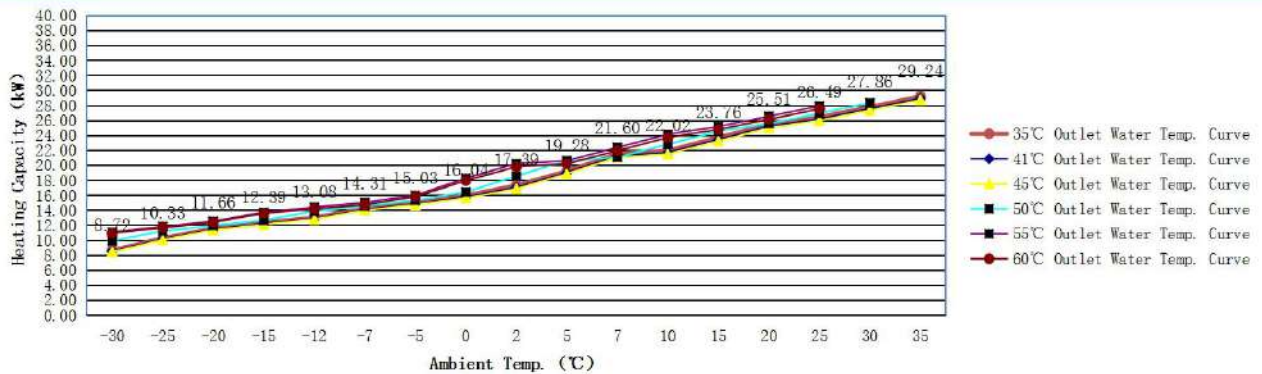
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.43	4.48	4.53	4.58	4.61	4.66	4.70	4.75	4.81	4.90	5.05	5.12	5.25	5.39	5.54	5.67	5.81
41	5.09	5.14	5.19	5.24	5.27	5.32	5.36	5.41	5.47	5.56	5.71	5.78	5.91	5.99	6.20	6.27	6.41
45	5.53	5.58	5.63	5.68	5.71	5.76	5.80	5.85	5.91	6.00	6.15	6.22	6.35	6.43	6.60	6.67	6.81
50	—	6.13	6.18	6.23	6.26	6.31	6.35	6.40	6.46	6.55	6.70	6.77	6.90	7.03	7.15	7.17	7.31
55	—	—	6.73	6.78	6.81	6.86	6.90	6.95	7.01	7.10	7.25	7.32	7.45	7.63	7.65	7.67	7.86
60	—	—	7.28	7.33	7.36	7.46	7.50	7.55	7.61	7.65	7.85	7.87	8.05	8.18	8.20	8.22	8.41

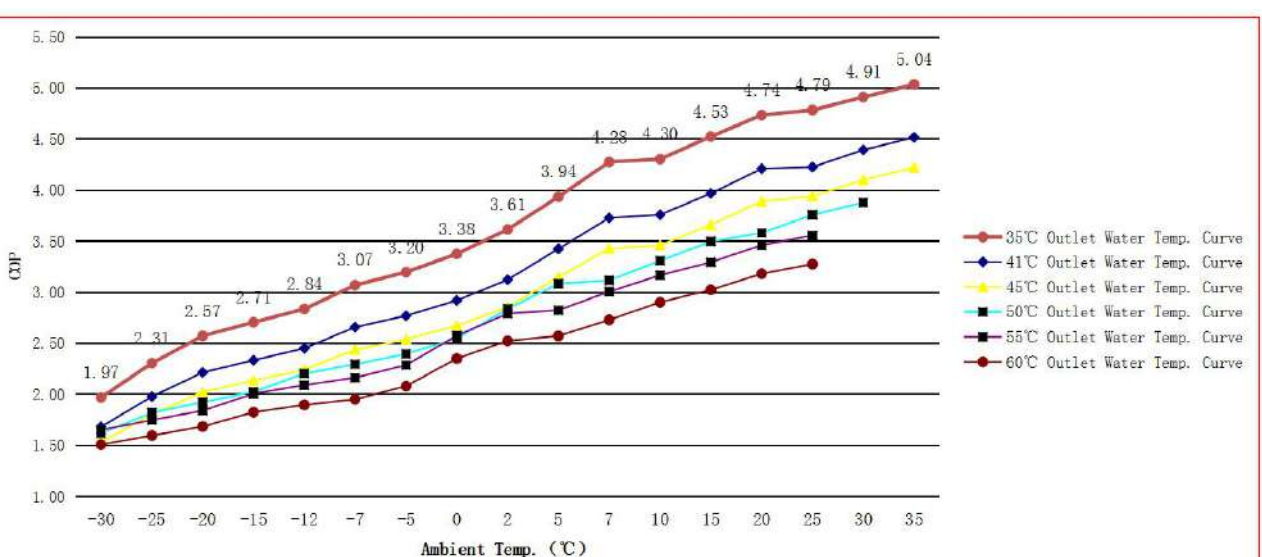
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.97	2.31	2.57	2.71	2.84	3.07	3.20	3.38	3.61	3.94	4.28	4.30	4.53	4.74	4.79	4.91	5.04
41	1.68	1.98	2.21	2.33	2.45	2.66	2.77	2.92	3.12	3.43	3.73	3.76	3.97	4.21	4.23	4.39	4.52
45	1.53	1.80	2.02	2.13	2.24	2.44	2.54	2.67	2.86	3.15	3.43	3.46	3.66	3.89	3.94	4.10	4.22
50	—	1.62	1.82	1.92	2.02	2.20	2.30	2.40	2.55	2.84	3.08	3.12	3.31	3.50	3.58	3.76	3.88
55	—	—	1.65	1.75	1.84	2.01	2.09	2.16	2.29	2.58	2.79	2.82	3.01	3.17	3.29	3.46	3.56
60	—	—	1.51	1.60	1.68	1.83	1.90	1.95	2.08	2.35	2.52	2.57	2.73	2.90	3.02	3.18	3.28

Heating Capacity



COP



P24T 66Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	9.49	11.24	12.55	13.34	14.23	15.57	16.35	17.45	18.92	20.98	23.50	23.96	25.85	27.76	28.82	30.31	31.81
41	9.33	11.08	12.39	13.18	14.06	15.40	16.17	17.21	18.61	20.74	23.19	23.65	25.55	27.45	28.52	30.01	31.51
45	9.22	10.97	12.28	13.07	13.96	15.30	16.05	17.05	18.41	20.58	22.99	23.45	25.34	27.25	28.32	29.81	31.31
50	—	10.83	12.14	12.94	13.82	15.16	15.90	16.75	17.98	20.28	22.57	23.02	24.92	26.82	27.92	29.41	30.91
55	—	—	12.01	12.80	13.69	15.03	15.75	16.45	17.56	19.98	22.14	22.60	24.49	26.40	27.52	29.01	30.51
60	—	—	11.87	12.65	13.55	14.88	15.55	16.15	17.36	19.68	21.72	22.17	24.07	25.97	27.12	28.61	30.11

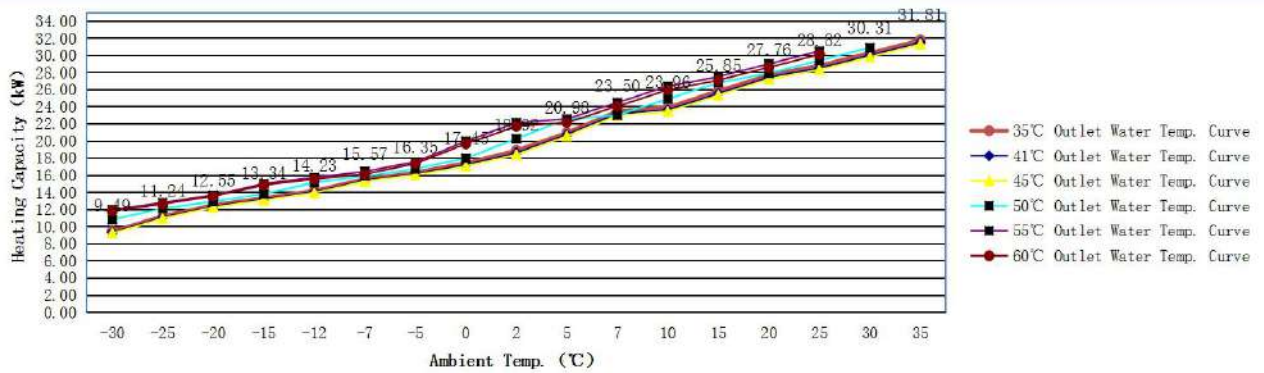
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	4.87	4.92	4.97	5.02	5.05	5.10	5.15	5.35	5.43	5.50	5.60	5.68	5.82	5.97	6.12	6.27	6.42
41	5.59	5.64	5.69	5.74	5.77	5.82	5.87	6.07	6.15	6.22	6.32	6.40	6.54	6.63	6.78	6.93	7.08
45	6.07	6.12	6.17	6.22	6.25	6.30	6.35	6.55	6.63	6.70	6.80	6.88	7.02	7.07	7.22	7.37	7.52
50	—	6.72	6.77	6.82	6.85	6.90	6.95	7.15	7.23	7.30	7.40	7.48	7.62	7.67	7.77	7.92	8.07
55	—	—	7.37	7.42	7.45	7.50	7.55	7.75	7.83	7.90	8.00	8.08	8.22	8.27	8.32	8.47	8.62
60	—	—	7.97	8.02	8.05	8.15	8.20	8.40	8.48	8.50	8.65	8.68	8.87	8.87	8.97	9.07	9.22

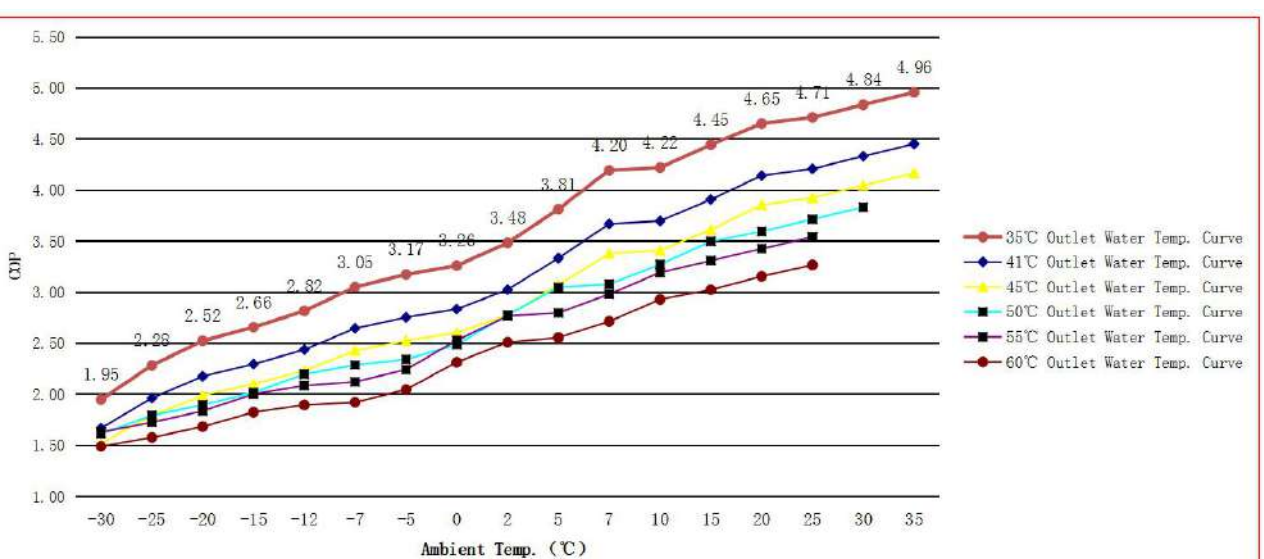
COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.95	2.28	2.52	2.66	2.82	3.05	3.17	3.26	3.48	3.81	4.20	4.22	4.45	4.65	4.71	4.84	4.96
41	1.67	1.96	2.18	2.30	2.44	2.65	2.75	2.84	3.03	3.33	3.67	3.70	3.91	4.14	4.21	4.33	4.45
45	1.52	1.79	1.99	2.10	2.23	2.43	2.53	2.60	2.78	3.07	3.38	3.41	3.61	3.86	3.93	4.05	4.17
50	—	1.61	1.79	1.90	2.02	2.20	2.29	2.34	2.49	2.78	3.05	3.08	3.27	3.50	3.60	3.72	3.83
55	—	—	1.63	1.73	1.84	2.00	2.09	2.12	2.24	2.53	2.77	2.80	2.98	3.19	3.31	3.43	3.54
60	—	—	1.49	1.58	1.68	1.83	1.90	1.92	2.05	2.32	2.51	2.56	2.72	2.93	3.03	3.16	3.27

Heating Capacity



COP



P24T 72Hz

Heating Capacity kw

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	11.19	12.94	14.81	15.97	17.32	18.11	18.53	18.86	20.33	23.02	25.40	26.09	27.16	29.83	31.45	33.07	34.71
41	11.03	12.78	14.65	15.80	17.16	17.94	18.35	18.68	20.15	22.84	25.16	25.85	26.92	29.59	31.21	32.83	34.47
45	10.92	12.67	14.54	15.70	17.05	17.84	18.23	18.56	20.03	22.72	25.00	25.69	26.76	29.43	31.05	32.67	34.31
50	—	12.54	14.41	15.56	16.92	17.70	18.08	18.41	19.88	22.57	24.80	25.48	26.56	29.22	30.84	32.47	34.11
55	—	—	14.27	15.43	16.78	17.57	17.93	18.26	19.73	22.42	24.60	25.28	26.36	28.80	30.64	32.26	33.90
60	—	—	14.14	15.28	16.65	17.42	17.73	18.11	19.58	22.27	24.39	25.07	26.15	28.59	30.43	32.06	33.70

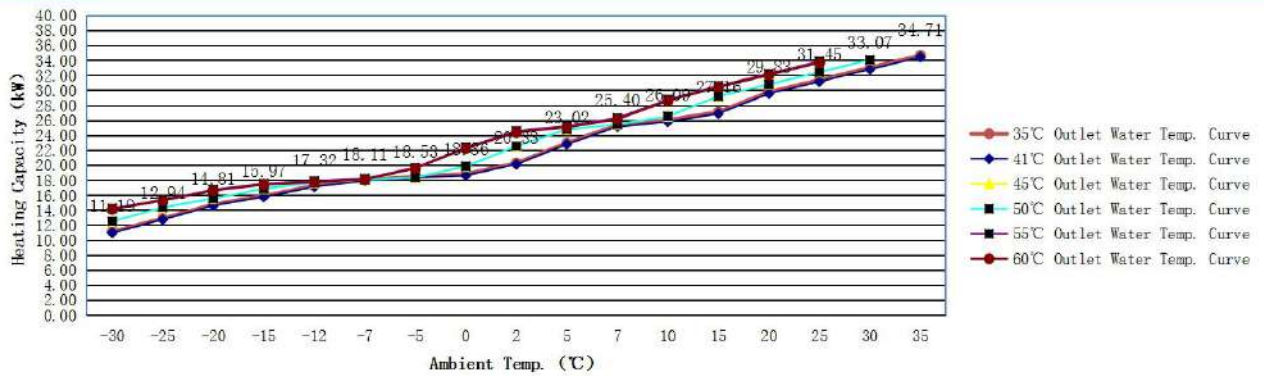
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	5.82	5.87	5.92	5.97	6.00	6.05	6.13	6.21	6.28	6.40	6.50	6.56	6.71	6.86	7.01	7.16	7.31
41	6.78	6.83	6.82	6.87	6.90	6.95	7.03	7.11	7.18	7.36	7.46	7.52	7.61	7.76	7.91	8.06	8.21
45	7.42	7.47	7.42	7.47	7.50	7.55	7.63	7.67	7.78	8.00	8.10	8.16	8.21	8.36	8.51	8.66	8.81
50	—	8.27	8.17	8.22	8.25	8.35	8.43	8.47	8.53	8.80	8.90	8.96	8.96	9.11	9.26	9.41	9.56
55	—	—	8.92	8.97	9.05	9.15	9.23	9.27	9.28	9.60	9.70	9.76	9.71	9.86	10.01	10.16	10.31
60	—	—	9.67	9.72	9.85	9.95	10.03	10.07	10.08	10.40	10.50	10.56	10.46	10.61	10.76	10.91	11.06

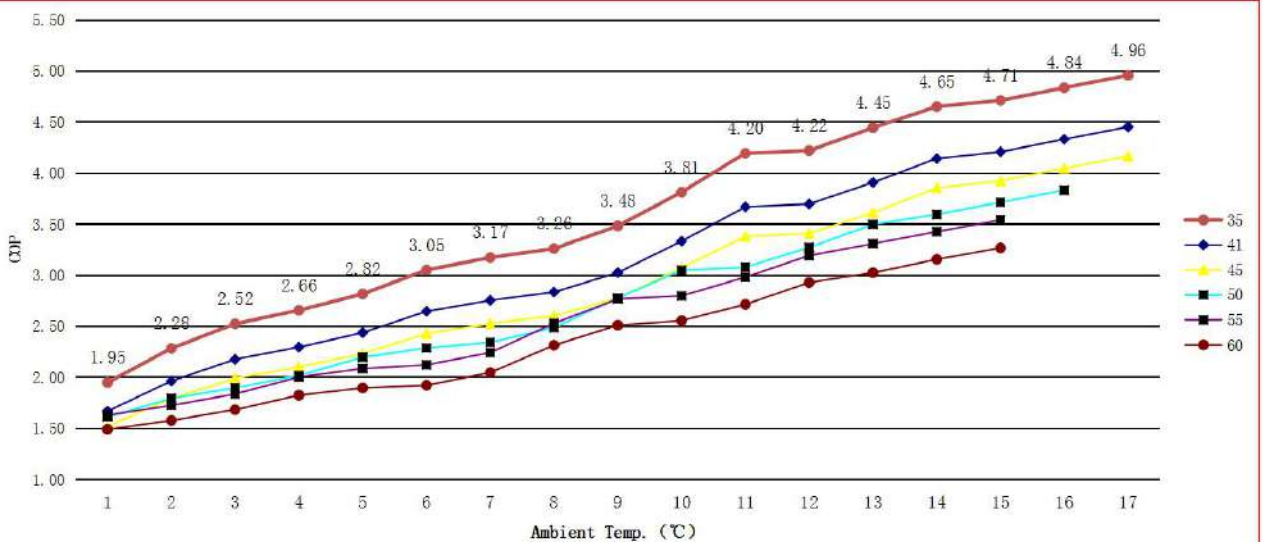
COP

Outlet Water Temp.		Ambient Temperature(℃)															
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.92	2.21	2.50	2.67	2.89	2.99	3.02	3.04	3.24	3.60	3.91	3.98	4.05	4.35	4.49	4.62	4.75
41	1.63	1.87	2.15	2.30	2.49	2.58	2.61	2.63	2.81	3.10	3.37	3.44	3.54	3.81	3.95	4.07	4.20
45	1.47	1.70	1.96	2.10	2.27	2.36	2.39	2.42	2.57	2.84	3.09	3.15	3.26	3.52	3.65	3.77	3.89
50	—	1.52	1.76	1.89	2.05	2.12	2.14	2.17	2.33	2.56	2.79	2.84	2.96	3.21	3.33	3.45	3.57
55	—	—	1.60	1.72	1.85	1.92	1.94	1.97	2.13	2.34	2.54	2.59	2.71	2.92	3.06	3.18	3.29
60	—	—	1.46	1.57	1.69	1.75	1.77	1.80	1.94	2.14	2.32	2.37	2.50	2.69	2.83	2.94	3.05

Heating Capacity



COP



P24T 80Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	8.93	11.22	13.32	15.82	17.41	19.05	19.49	20.73	21.14	24.47	27.00	27.73	28.87	31.71	33.43	35.15	36.90
41	8.77	11.06	13.16	15.66	17.25	18.89	19.31	20.55	20.96	24.29	26.76	27.49	28.63	31.47	33.19	34.91	36.66
45	8.66	10.95	13.05	15.55	17.14	18.78	19.19	20.43	20.84	24.17	26.60	27.33	28.47	31.31	33.03	34.75	36.50
50	—	10.81	12.92	15.41	17.01	18.65	19.04	20.28	20.69	24.02	26.40	27.13	28.27	31.10	32.82	34.55	36.29
55	—	—	12.78	15.28	16.87	18.51	18.89	20.13	20.54	23.87	26.20	26.92	28.07	30.68	32.62	34.34	36.09
60	—	—	—	12.65	15.13	16.74	18.36	18.69	19.98	20.39	23.72	25.99	26.72	27.86	30.47	32.41	34.14

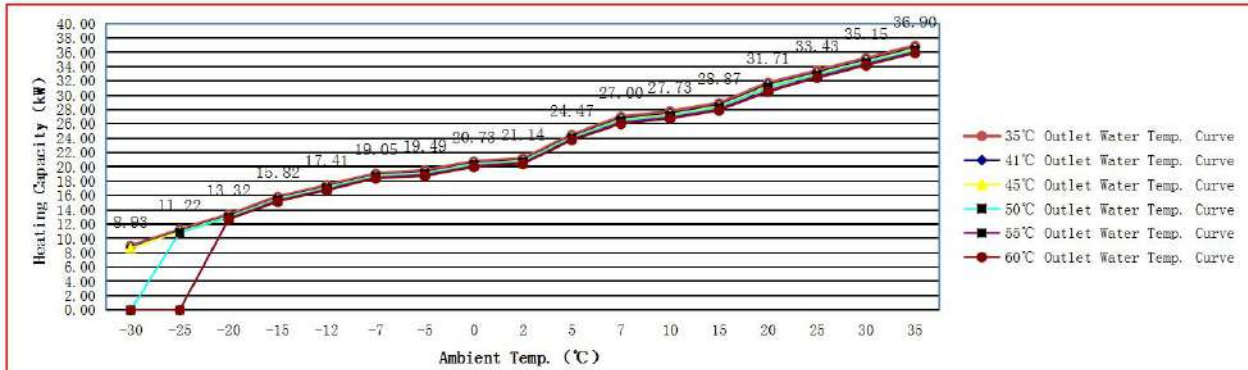
Power Input kw

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	6.68	6.73	6.78	6.83	6.86	7.11	7.20	7.30	7.32	7.40	7.60	7.65	7.78	7.92	8.06	8.20	8.34
41	7.64	7.69	7.74	7.79	7.82	8.07	8.16	8.26	8.28	8.36	8.56	8.61	8.68	8.82	8.96	9.10	9.24
45	8.28	8.33	8.38	8.43	8.46	8.71	8.80	8.90	8.92	9.00	9.20	9.25	9.28	9.42	9.56	9.70	9.84
50	—	9.13	9.18	9.23	9.26	9.51	9.60	9.70	9.72	9.80	10.00	10.05	10.03	10.17	10.31	10.45	10.59
55	—	—	9.98	10.03	10.06	10.31	10.40	10.50	10.52	10.60	10.80	10.85	10.78	10.92	11.06	11.20	11.34
60	—	—	10.78	10.83	10.86	11.11	11.20	11.30	11.32	11.40	11.60	11.65	11.53	11.67	11.81	11.95	12.09

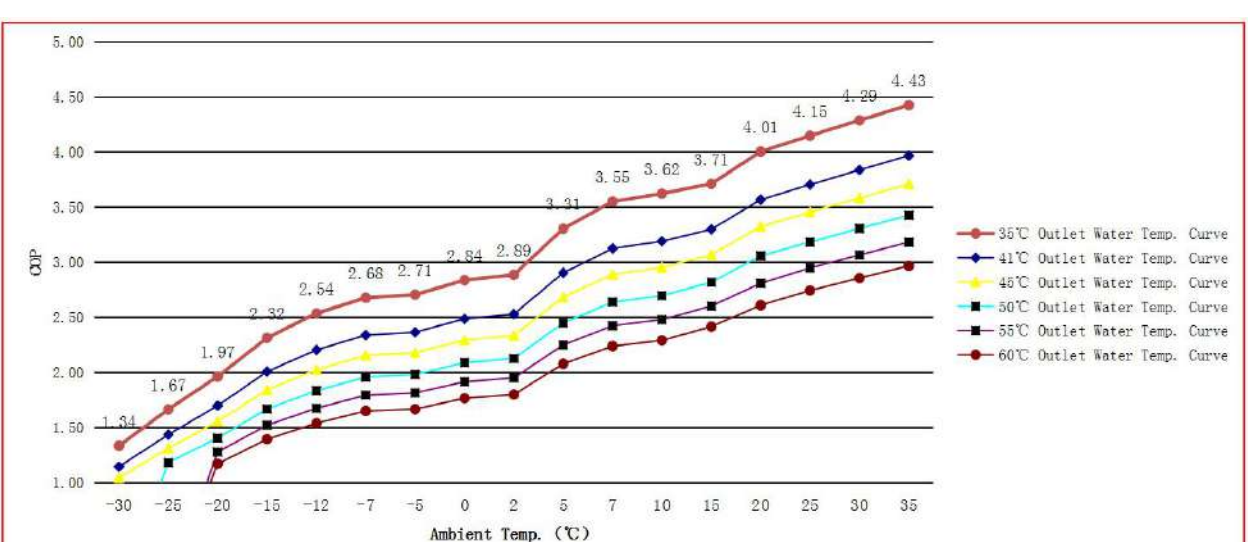
COP

Outlet Water Temp.	Ambient Temperature(°C)																
Water outlet(°C)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.34	1.67	1.97	2.32	2.54	2.68	2.71	2.84	2.89	3.31	3.55	3.62	3.71	4.01	4.15	4.29	4.43
41	1.15	1.44	1.70	2.01	2.21	2.34	2.37	2.49	2.53	2.91	3.13	3.19	3.30	3.57	3.71	3.84	3.97
45	1.05	1.31	1.56	1.84	2.03	2.16	2.18	2.30	2.34	2.69	2.89	2.95	3.07	3.32	3.46	3.58	3.71
50	—	1.18	1.41	1.67	1.84	1.96	1.98	2.09	2.13	2.45	2.64	2.70	2.82	3.06	3.18	3.31	3.43
55	—	—	1.28	1.52	1.68	1.80	1.82	1.92	1.95	2.25	2.43	2.48	2.60	2.81	2.95	3.07	3.18
60	—	—	1.17	1.40	1.54	1.65	1.67	1.77	1.80	2.08	2.24	2.29	2.42	2.61	2.75	2.86	2.97

Heating Capacity



COP



P24T 90Hz

Heating Capacity kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	10.04	12.35	14.49	16.35	18.52	20.63	21.45	22.10	22.94	25.72	28.50	29.23	31.08	32.63	33.93	35.22	36.16
41	9.73	12.03	14.18	16.04	18.21	20.32	21.14	21.79	22.55	25.41	28.10	28.83	30.68	32.23	33.54	34.83	35.77
45	9.52	11.83	13.97	15.83	18.00	20.11	20.93	21.58	22.28	25.20	27.84	28.57	30.42	31.97	33.28	34.57	35.51
50	—	11.44	13.58	15.44	17.61	19.72	20.54	21.19	21.73	24.81	27.29	28.02	29.87	31.42	32.76	34.05	34.99
55	—	—	13.19	15.05	17.22	19.33	20.15	20.80	21.18	24.42	26.74	27.47	29.32	30.87	32.24	33.53	34.47
60	—	—	12.80	14.66	16.83	18.94	19.76	20.41	20.63	24.03	26.19	26.92	28.77	30.32	31.72	33.01	33.95

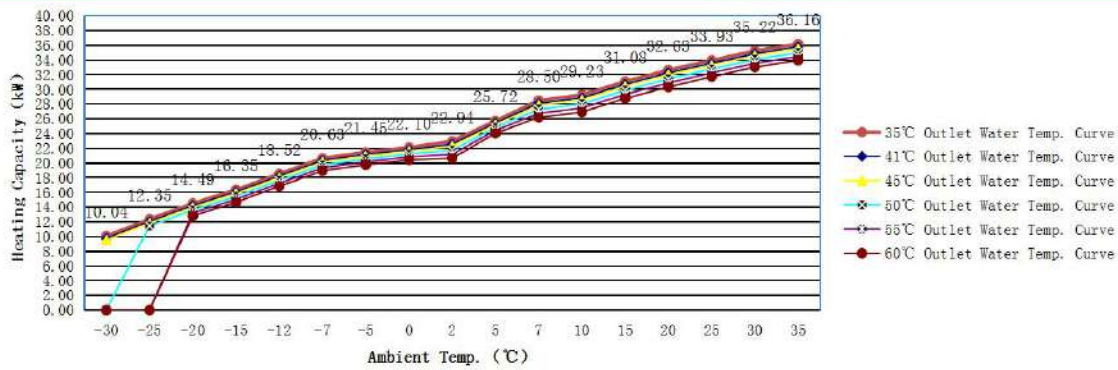
Power Input kw

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	7.67	7.72	7.77	7.82	7.85	7.90	8.00	8.10	8.22	8.30	8.50	8.58	8.73	8.93	9.13	9.28	9.43
41	8.75	8.80	8.85	8.90	8.93	8.98	9.08	9.18	9.30	9.38	9.58	9.66	9.81	10.01	10.27	10.42	10.57
45	9.47	9.52	9.57	9.62	9.65	9.70	9.80	9.90	10.02	10.10	10.30	10.38	10.53	10.73	11.03	11.18	11.29
50	—	10.42	10.47	10.52	10.55	10.60	10.70	10.80	10.92	11.00	11.20	11.28	11.43	11.68	11.98	12.13	12.29
55	—	—	11.37	11.42	11.45	11.50	11.60	11.70	11.82	11.90	12.10	12.18	12.33	12.63	12.93	13.03	13.24
60	—	—	12.32	12.37	12.40	12.45	12.55	12.65	12.77	12.85	13.00	13.13	13.28	13.58	13.88	13.93	14.19

COP

Outlet Water Temp.	Ambient Temperature(℃)																
Water outlet(℃)	-30	-25	-20	-15	-12	-7	-5	0	2	5	7	10	15	20	25	30	35
35	1.31	1.60	1.87	2.09	2.36	2.61	2.68	2.73	2.79	3.10	3.35	3.41	3.56	3.65	3.72	3.79	3.83
41	1.11	1.37	1.60	1.80	2.04	2.26	2.33	2.37	2.42	2.71	2.93	2.98	3.13	3.22	3.26	3.34	3.38
45	1.01	1.24	1.46	1.65	1.87	2.07	2.14	2.18	2.22	2.49	2.70	2.75	2.89	2.98	3.02	3.09	3.14
50	—	1.10	1.30	1.47	1.67	1.86	1.92	1.96	1.99	2.26	2.44	2.48	2.61	2.69	2.73	2.81	2.85
55	—	—	1.16	1.32	1.50	1.68	1.74	1.78	1.79	2.05	2.21	2.25	2.38	2.44	2.49	2.57	2.60
60	—	—	1.04	1.19	1.36	1.52	1.57	1.61	1.62	1.87	2.01	2.05	2.17	2.23	2.28	2.37	2.39

Heating Capacity



COP

