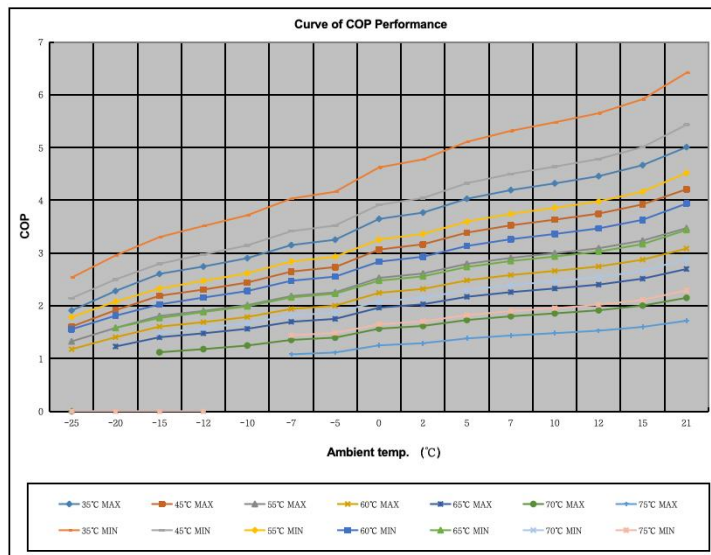
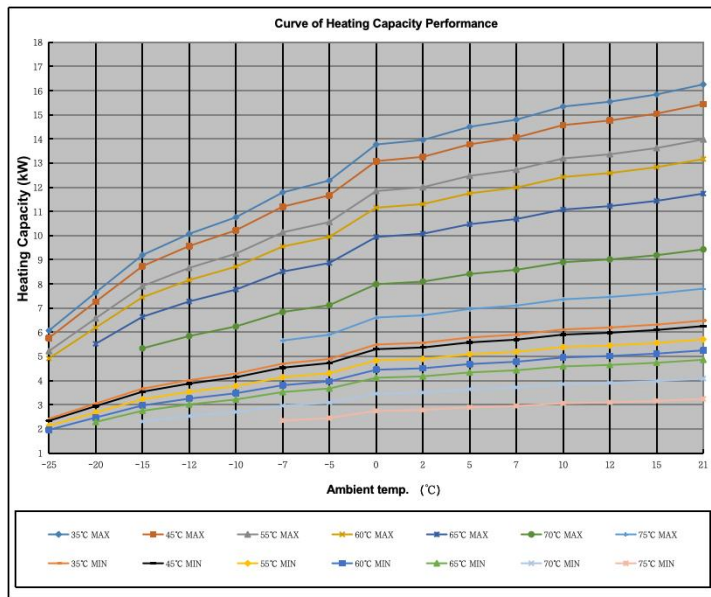


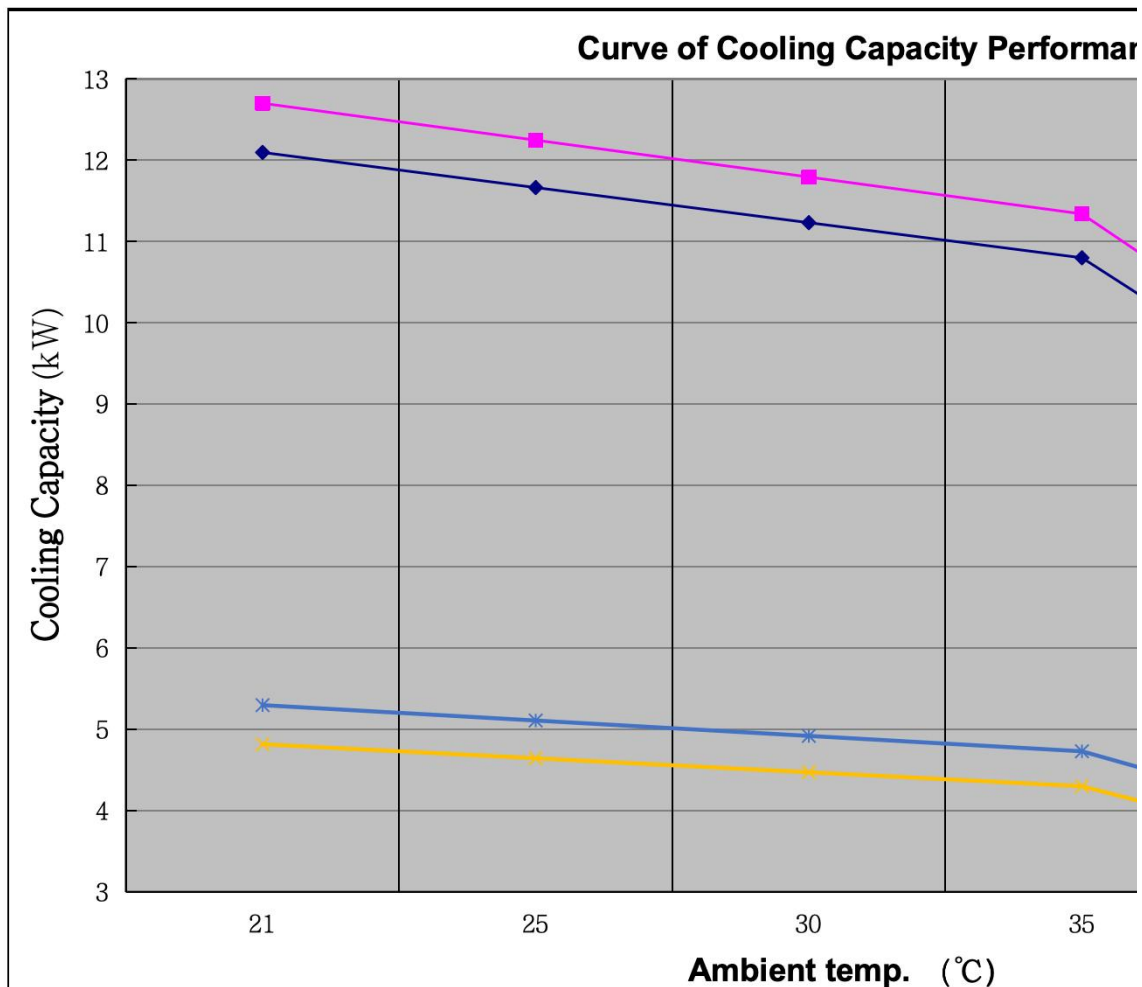
PW050-DKZLRSE For heating

Ambient temp. (℃)		-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21	
Water temp. outlet35℃	MAX	Heating Capacity (kW)	6.1	7.6	9.2	10.1	10.8	11.8	12.3	13.8	14.0	14.5	14.8	15.3	15.5	15.8	16.3
		Input power (kW)	3.18	3.35	3.53	3.67	3.71	3.74	3.78	3.78	3.71	3.60	3.53	3.55	3.49	3.40	3.25
		COP	1.91	2.28	2.60	2.74	2.90	3.15	3.25	3.65	3.77	4.03	4.19	4.32	4.46	4.67	5.01
	MIN	Heating Capacity (kW)	2.4	3.0	3.7	4.0	4.3	4.7	4.9	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5
		Input power (kW)	0.95	1.03	1.11	1.14	1.15	1.17	1.18	1.19	1.17	1.13	1.11	1.12	1.10	1.07	1.01
		COP	2.53	2.95	3.30	3.51	3.72	4.03	4.16	4.62	4.77	5.11	5.32	5.48	5.65	5.91	6.42
Water temp. outlet45℃	MAX	Heating Capacity (kW)	5.8	7.3	8.7	9.6	10.2	11.2	11.7	13.1	13.3	13.8	14.1	14.6	14.8	15.1	15.4
		Input power (kW)	3.59	3.79	3.99	4.15	4.19	4.23	4.27	4.27	4.19	4.07	3.99	4.01	3.94	3.84	3.67
		COP	1.61	1.92	2.19	2.31	2.44	2.65	2.73	3.07	3.17	3.39	3.52	3.63	3.75	3.92	4.21
	MIN	Heating Capacity (kW)	2.3	2.9	3.5	3.9	4.1	4.5	4.7	5.3	5.4	5.6	5.7	5.9	6.0	6.1	6.3
		Input power (kW)	1.09	1.18	1.27	1.30	1.32	1.33	1.34	1.35	1.33	1.29	1.27	1.27	1.25	1.22	1.15
		COP	2.15	2.50	2.80	2.97	3.14	3.41	3.52	3.91	4.04	4.32	4.50	4.64	4.78	5.01	5.43
Water temp. outlet55℃	MAX	Heating Capacity (kW)	5.2	6.6	7.9	8.7	9.3	10.1	10.6	11.8	12.0	12.5	12.7	13.2	13.4	13.6	14.0
		Input power (kW)	3.94	4.16	4.38	4.55	4.60	4.64	4.68	4.68	4.60	4.46	4.38	4.40	4.32	4.21	4.03
		COP	1.32	1.58	1.81	1.90	2.01	2.18	2.26	2.53	2.61	2.79	2.91	3.00	3.09	3.24	3.47
	MIN	Heating Capacity (kW)	2.1	2.7	3.2	3.5	3.8	4.1	4.3	4.8	4.9	5.1	5.2	5.4	5.5	5.6	5.7
		Input power (kW)	1.19	1.29	1.39	1.43	1.44	1.46	1.47	1.48	1.46	1.42	1.39	1.40	1.37	1.33	1.26
		COP	1.78	2.08	2.32	2.47	2.62	2.84	2.93	3.25	3.36	3.60	3.74	3.86	3.98	4.16	4.52
Water temp. outlet60℃	MAX	Heating Capacity (kW)	4.9	6.2	7.4	8.2	8.7	9.5	9.9	11.2	11.3	11.7	12.0	12.4	12.6	12.8	13.2
		Input power (kW)	4.18	4.41	4.64	4.83	4.87	4.92	4.97	4.97	4.87	4.73	4.64	4.67	4.59	4.47	4.27
		COP	1.18	1.40	1.60	1.69	1.79	1.94	2.00	2.25	2.32	2.48	2.58	2.66	2.74	2.87	3.08
	MIN	Heating Capacity (kW)	2.0	2.5	3.0	3.3	3.5	3.8	4.0	4.4	4.5	4.7	4.8	5.0	5.0	5.1	5.3
		Input power (kW)	1.26	1.36	1.47	1.51	1.52	1.54	1.55	1.57	1.54	1.49	1.47	1.47	1.45	1.41	1.33
		COP	1.55	1.81	2.03	2.16	2.28	2.47	2.55	2.84	2.93	3.13	3.26	3.36	3.47	3.63	3.94
Water temp. outlet65℃	MAX	Heating Capacity (kW)	/	/	5.5	6.6	7.3	7.8	8.5	8.9	9.9	10.1	10.5	10.7	11.1	11.2	11.4
		Input power (kW)	/	/	4.49	4.73	4.92	4.97	5.01	5.06	5.06	4.97	4.82	4.73	4.76	4.67	4.55
		COP	/	/	1.23	1.40	1.48	1.56	1.70	1.75	1.96	2.03	2.17	2.26	2.33	2.40	2.51
	MIN	Heating Capacity (kW)	/	/	2.3	2.7	3.0	3.2	3.5	3.7	4.1	4.2	4.3	4.4	4.6	4.6	4.7
		Input power (kW)	/	/	1.45	1.55	1.60	1.62	1.63	1.65	1.66	1.63	1.59	1.55	1.56	1.54	1.49
		COP	/	/	1.58	1.77	1.88	1.99	2.16	2.23	2.48	2.56	2.74	2.85	2.93	3.03	3.17
Water temp. outlet70℃	MAX	Heating Capacity (kW)	/	/	/	5.3	5.8	6.2	6.8	7.1	8.0	8.1	8.4	8.6	8.9	9.0	9.2
		Input power (kW)	/	/	/	4.77	4.96	5.00	5.05	5.10	5.10	5.00	4.86	4.77	4.79	4.71	4.58
		COP	/	/	/	1.12	1.18	1.25	1.35	1.40	1.57	1.62	1.73	1.80	1.86	1.91	2.00
	MIN	Heating Capacity (kW)	/	/	/	2.3	2.5	2.7	3.0	3.1	3.5	3.5	3.6	3.7	3.9	3.9	4.0
		Input power (kW)	/	/	/	1.55	1.60	1.62	1.63	1.65	1.66	1.63	1.59	1.55	1.56	1.54	1.49
		COP	/	/	/	1.49	1.58	1.67	1.81	1.87	2.08	2.15	2.30	2.39	2.46	2.54	2.66
Water temp. outlet75℃	MAX	Heating Capacity (kW)	/	/	/	/	/	/	5.7	5.9	6.6	6.7	7.0	7.1	7.4	7.5	7.8
		Input power (kW)	/	/	/	/	/	/	5.24	5.29	5.29	5.19	5.04	4.94	4.97	4.88	4.75
		COP	/	/	/	/	/	/	1.08	1.11	1.25	1.29	1.38	1.44	1.48	1.53	1.60
	MIN	Heating Capacity (kW)	/	/	/	/	/	/	2.3	2.4	2.7	2.8	2.9	3.0	3.1	3.1	3.2
		Input power (kW)	/	/	/	/	/	/	1.63	1.65	1.66	1.63	1.59	1.55	1.56	1.54	1.49
		COP	/	/	/	/	/	/	1.44	1.49	1.65	1.71	1.82	1.90	1.96	2.02	2.11
Ambient temp. (℃)		-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21	



PW050-DKZLRS-E For Cooling

Water temp. outlet7℃	MAX	Cooling Capacity (kW)	12.1	11.7	11.2
		Input power (kW)	3.51	3.67	3.83
		COP	3.44	3.18	2.93
	MIN	Cooling Capacity (kW)	4.8	4.6	4.5
		Input power (kW)	1.22	1.28	1.33
		COP	3.94	3.63	3.35
Water temp. outlet18℃	MAX	Cooling Capacity (kW)	12.7	12.2	11.8
		Input power (kW)	3.16	3.30	3.45
		COP	4.02	3.71	3.42
	MIN	Cooling Capacity (kW)	5.3	5.1	4.9
		Input power (kW)	1.16	1.21	1.27
		COP	4.56	4.20	3.88
Ambient temp. (℃)			21	25	30



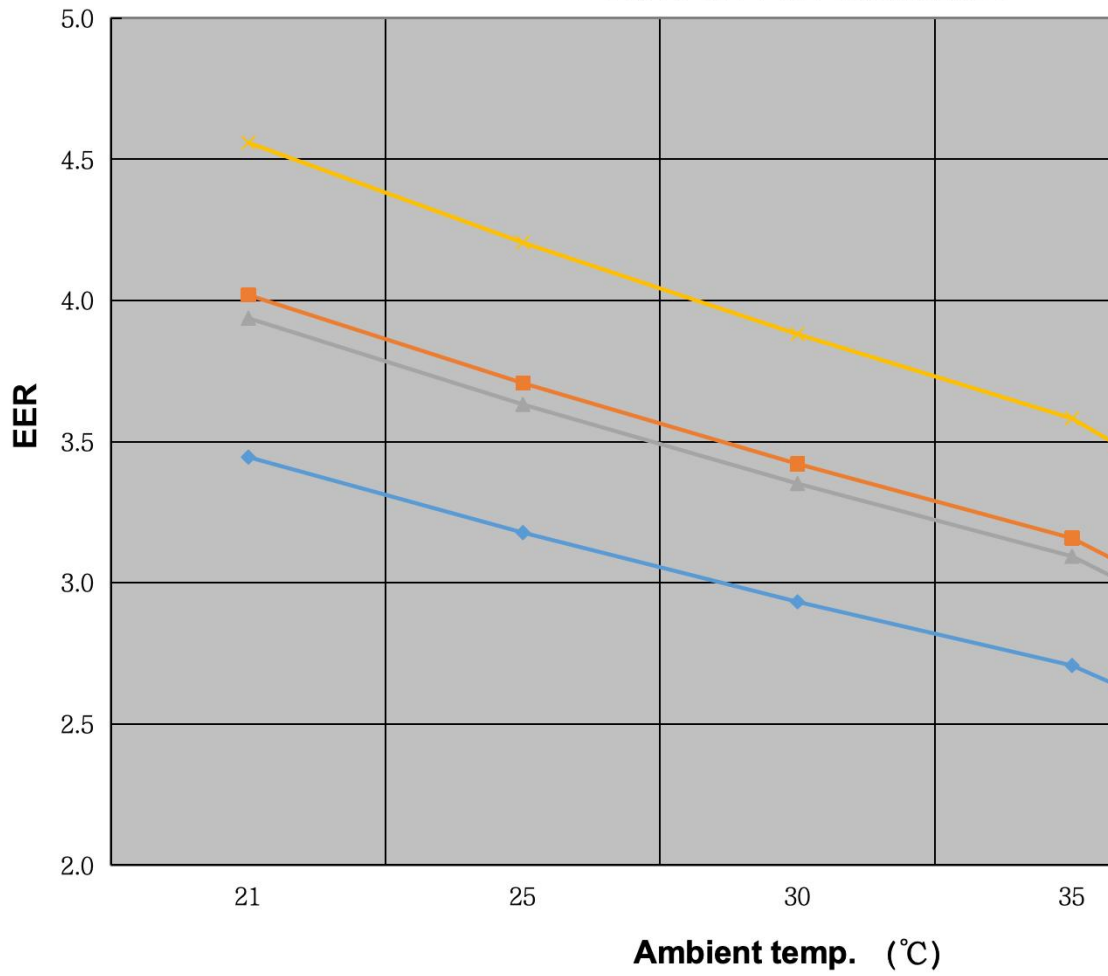
Ambient temp. (°C)

—◆— MAX

—■— MAX

—×— MIN

Curve of EER Performance



—◆— 7°C MAX

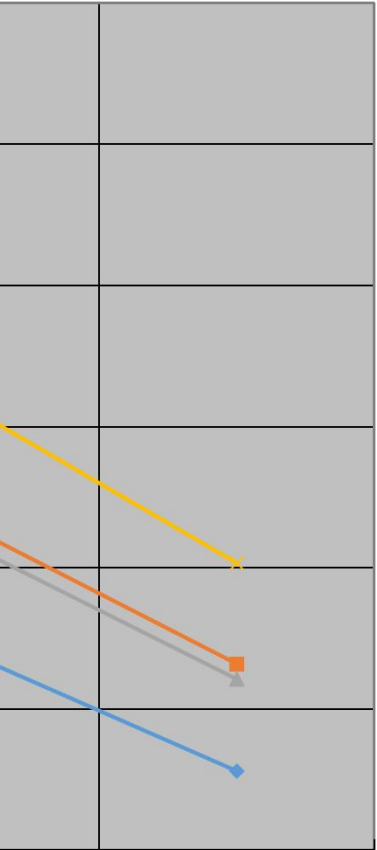
—■— 18°C MAX

—▲— 7°C MIN

10.8	8.6
3.99	3.79
2.71	2.28
4.3	3.4
1.39	1.32
3.09	2.61
11.3	9.1
3.59	3.41
3.16	2.66
4.7	3.8
1.32	1.25
3.58	3.02
35	43



—*— MIN



43

—*— 15°C MIN

PW050-DKZLRS-E For DHW

Heating Capacity (kW)	5.0	6.2	8.2	10.0	11.8	13.2	13.9	14.5	14.8
Input power (kW)	3.01	3.06	3.15	3.20	3.24	3.27	3.04	2.88	2.71
COP	1.65	2.02	2.59	3.13	3.63	4.04	4.56	5.05	5.45
Ambient temp. (°C)	-25	-20	-12	-5	2	7	20	30	43

