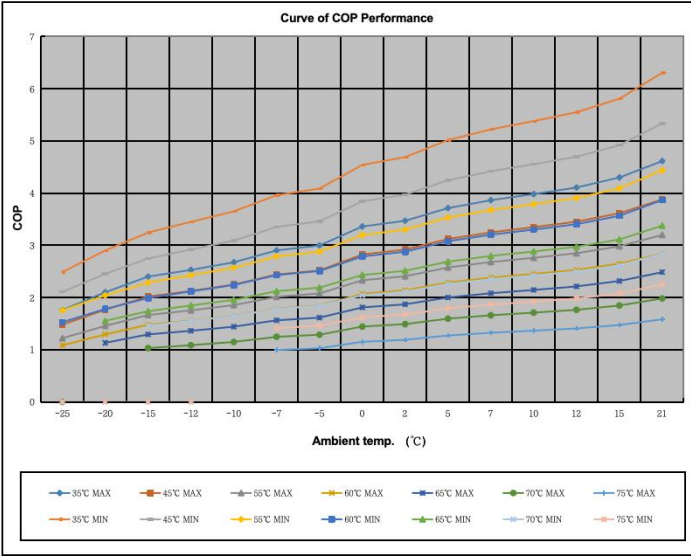
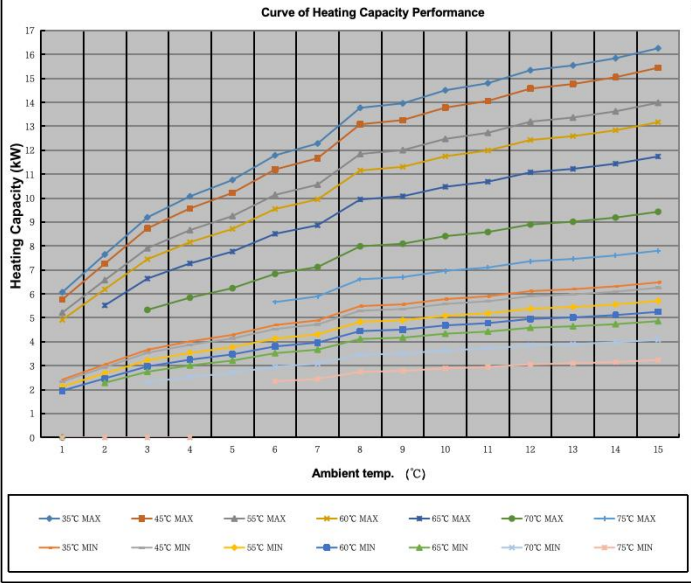


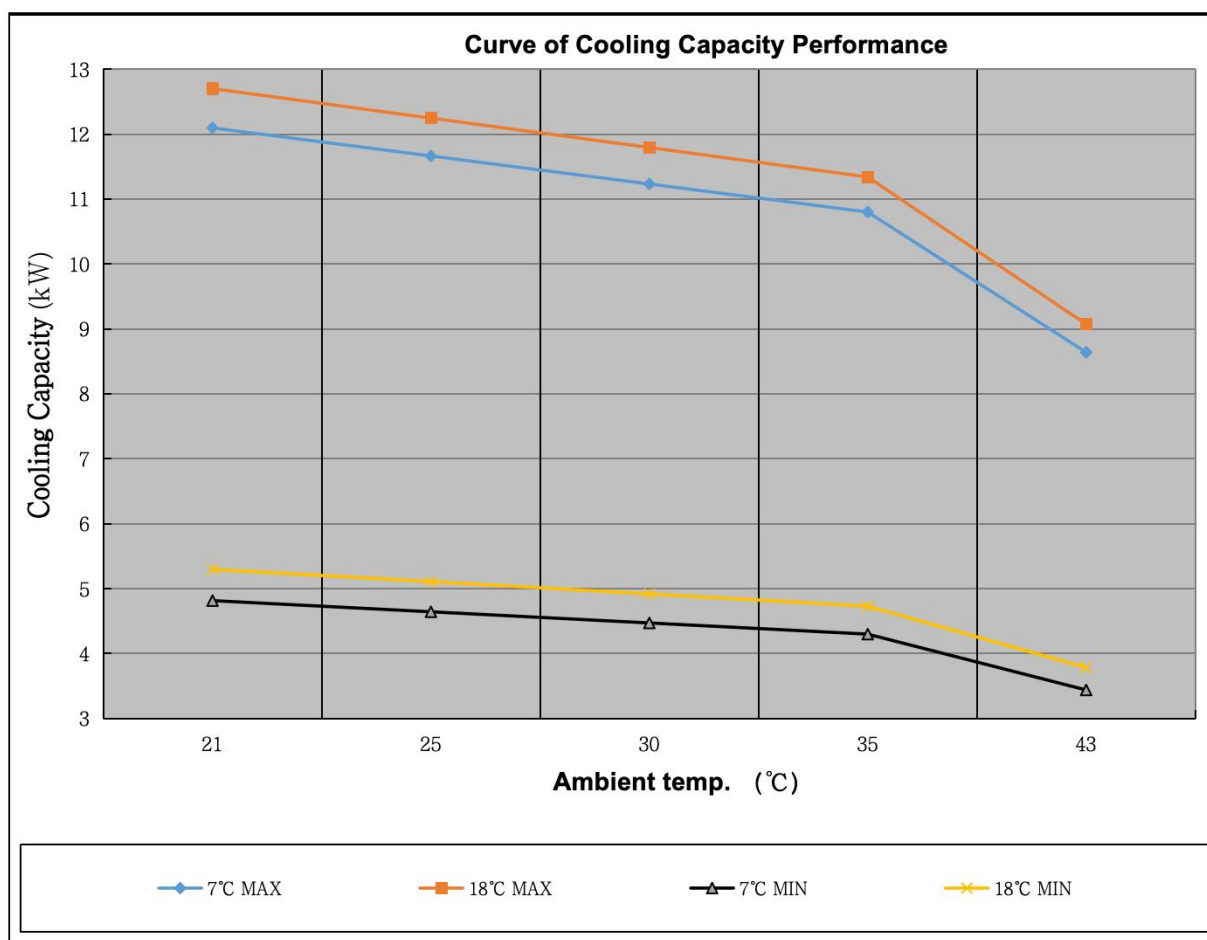
PW050-DKZLRS-E/S For heating

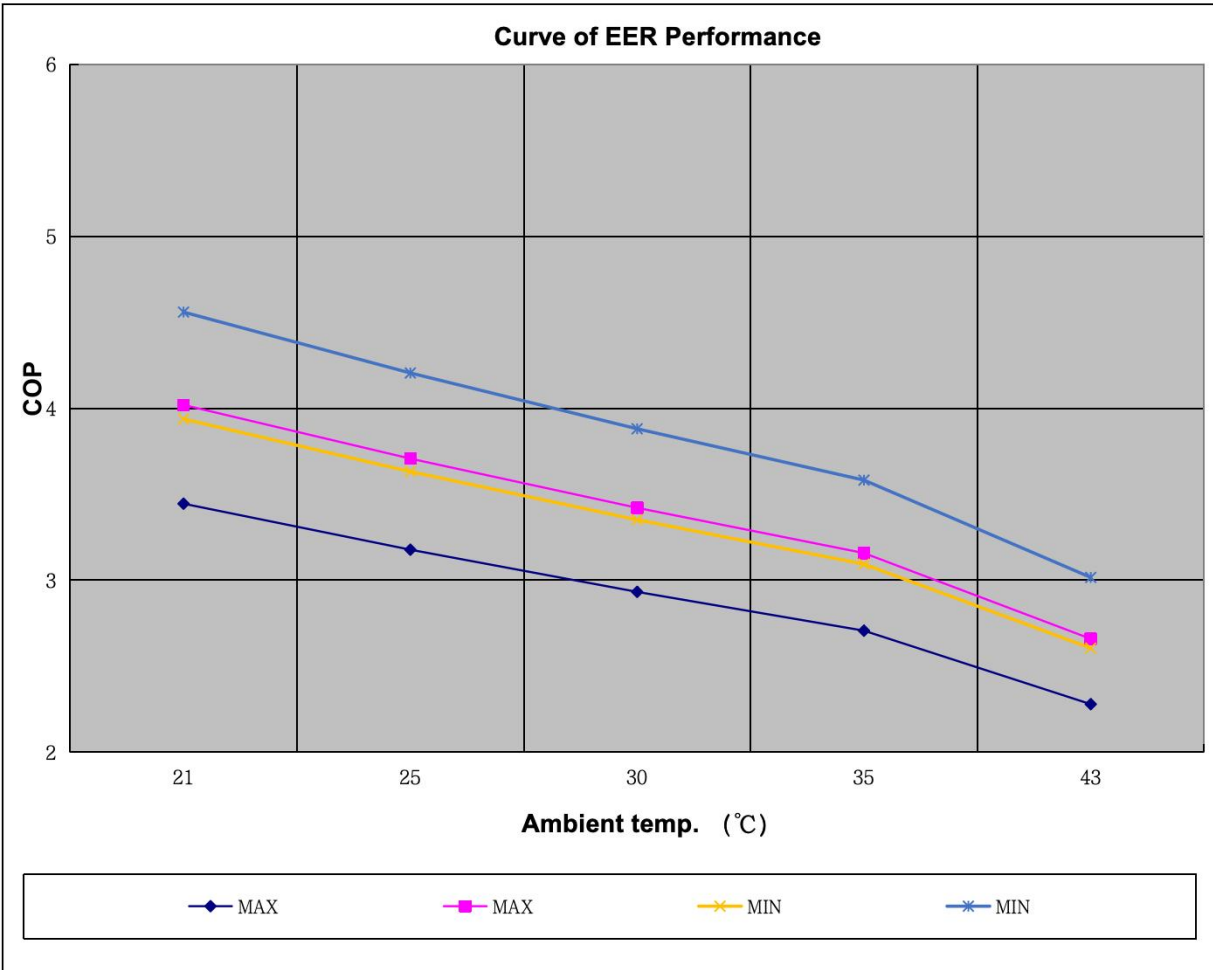
Ambient temp. (°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet35°C	MAX	Heating Capacity (kW)	6.1	7.6	9.2	10.1	10.8	11.8	12.3	13.8	14.0	14.5	14.8	15.3	15.5	15.8	16.3
		Input power (kW)	3.45	3.64	3.83	3.98	4.02	4.08	4.10	4.10	4.02	3.91	3.83	3.85	3.78	3.68	3.52
		COP	1.76	2.10	2.40	2.53	2.68	2.90	3.00	3.36	3.47	3.71	3.86	3.98	4.11	4.30	4.61
	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)	0.97	1.05	1.13	1.16	1.18	1.19	1.20	1.21	1.19	1.15	1.13	1.14	1.12	1.09	1.03
		COP	2.49	2.90	3.24	3.45	3.65	3.96	4.09	4.54	4.69	5.02	5.22	5.38	5.55	5.81	6.30
Water temp. outlet45°C	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)	3.90	4.11	4.33	4.50	4.54	4.59	4.63	4.63	4.54	4.41	4.33	4.35	4.28	4.16	3.98
		COP	1.48	1.77	2.02	2.13	2.25	2.44	2.52	2.83	2.92	3.12	3.25	3.35	3.45	3.61	3.88
	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)	1.11	1.20	1.29	1.33	1.34	1.35	1.37	1.38	1.35	1.31	1.29	1.30	1.27	1.24	1.17
		COP	2.11	2.46	2.75	2.92	3.09	3.35	3.46	3.84	3.97	4.25	4.42	4.55	4.70	4.92	5.34
Water temp. outlet55°C	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)	4.27	4.51	4.75	4.94	4.99	5.03	5.08	5.08	4.99	4.84	4.75	4.78	4.69	4.57	4.37
		COP	1.22	1.46	1.67	1.75	1.86	2.01	2.08	2.33	2.41	2.57	2.68	2.76	2.85	2.98	3.20
	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)	1.21	1.31	1.41	1.45	1.47	1.48	1.50	1.51	1.48	1.44	1.41	1.42	1.40	1.36	1.29
		COP	1.75	2.04	2.28	2.43	2.57	2.79	2.88	3.20	3.30	3.53	3.68	3.79	3.91	4.09	4.44
Water temp. outlet65°C	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)	4.53	4.78	5.04	5.24	5.29	5.34	5.39	5.39	5.29	5.14	5.04	5.07	4.98	4.85	4.63
		COP	1.08	1.29	1.48	1.56	1.65	1.79	1.85	2.07	2.14	2.29	2.38	2.45	2.53	2.65	2.84
	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)	1.28	1.39	1.49	1.54	1.55	1.57	1.58	1.60	1.57	1.52	1.49	1.50	1.47	1.43	1.36
		COP	1.53	1.78	1.99	2.12	2.24	2.43	2.51	2.79	2.88	3.08	3.20	3.30	3.41	3.57	3.87
Water temp. outlet65°C	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	11.7	12.1
		Input power (kW)	4.88	5.13	5.34	5.39	5.44	5.49	5.49	5.39	5.23	5.13	5.16	5.07	4.94	4.72	4.42
		COP	1.13	1.29	1.36	1.44	1.56	1.61	1.81	1.87	2.00	2.08	2.15	2.21	2.32	2.49	2.74
	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	4.9	5.1
		Input power (kW)	1.47	1.58	1.63	1.65	1.66	1.68	1.69	1.66	1.61	1.58	1.59	1.56	1.52	1.44	1.36
		COP	1.55	1.74	1.85	1.96	2.12	2.19	2.43	2.51	2.69	2.80	2.88	2.97	3.11	3.38	3.74
Water temp. outlet70°C	MAX	Heating Capacity (kW)	5.3	6.2	6.8	7.1	7.8	8.0	8.1	8.4	8.6	8.9	9.0	9.2	9.4	9.7	10.1
		Input power (kW)	5.17	5.38	5.43	5.48	5.53	5.53	5.43	5.27	5.17	5.20	5.11	4.97	4.76	4.47	4.17
		COP	1.03	1.09	1.15	1.25	1.29	1.44	1.49	1.60	1.66	1.71	1.76	1.85	1.98	2.19	2.44
	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	4.1	4.3	4.6
		Input power (kW)	1.58	1.63	1.65	1.66	1.68	1.69	1.66	1.61	1.58	1.59	1.56	1.52	1.44	1.36	1.29
		COP	1.46	1.55	1.64	1.78	1.84	2.04	2.11	2.26	2.35	2.42	2.50	2.61	2.84	3.19	3.57
Water temp. outlet75°C	MAX	Heating Capacity (kW)	5.7	5.9	6.6	6.7	7.0	7.1	7.4	7.5	7.6	7.8	8.0	8.2	8.4	8.6	8.9
		Input power (kW)	5.68	5.74	5.74	5.63	5.47	5.36	5.39	5.30	5.16	4.93	4.68	4.43	4.18	3.93	3.68
		COP	1.00	1.03	1.15	1.19	1.27	1.32	1.37	1.41	1.47	1.58	1.71	1.85	2.00	2.19	2.44
	MIN	Heating Capacity (kW)	2.3	2.4	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.7
		Input power (kW)	1.66	1.68	1.69	1.66	1.61	1.58	1.59	1.56	1.52	1.44	1.36	1.29	1.21	1.13	1.05
		COP	1.41	1.46	1.62	1.67	1.79	1.86	1.92	1.98	2.07	2.25	2.44	2.65	2.90	3.19	3.57



PW050-DKZLRS-E/S For Cooling

Water temp. outlet7℃	MAX	Cooling Capacity (kW)	12.1	11.7	11.2	10.8	8.6
		Input power (kW)	3.51	3.67	3.83	3.99	3.79
		COP	3.44	3.18	2.93	2.71	2.28
	MIN	Cooling Capacity (kW)	4.8	4.6	4.5	4.3	3.4
		Input power (kW)	1.22	1.28	1.33	1.39	1.32
		COP	3.94	3.63	3.35	3.09	2.61
Water temp. outlet18℃	MAX	Cooling Capacity (kW)	12.7	12.2	11.8	11.3	9.1
		Input power (kW)	3.16	3.30	3.45	3.59	3.41
		COP	4.02	3.71	3.42	3.16	2.66
	MIN	Cooling Capacity (kW)	5.3	5.1	4.9	4.7	3.8
		Input power (kW)	1.16	1.21	1.27	1.32	1.25
		COP	4.56	4.20	3.88	3.58	3.02
Ambient temp. (℃)			21	25	30	35	43





PW050-DKZLRS-E/S 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

