

10. Capacity Tables

10.1 Cooling capacity

AU052FYCRA(HW)						
Air temp.	Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	EER(EN14511) Nom.	EER Min.	EER Max.
DB	Water flow temperature 20 °C					
45	5.00	1.50	4.55	3.60	2.05	4.05
35	6.00	1.80	6.60	5.04	3.72	5.70
25	7.50	2.25	8.25	7.50	5.21	8.24
15	7.90	2.37	8.69	8.60	6.49	9.80
10	8.22	2.47	9.04	9.92	7.54	10.90
DB	Water flow temperature 18 °C					
45	4.80	1.34	5.28	3.50	1.88	3.52
35	5.00	1.61	5.50	5.00	3.41	4.96
25	5.95	2.01	6.55	5.85	4.78	7.17
15	6.83	2.12	7.51	6.90	5.95	8.52
10	7.20	2.20	7.92	7.85	6.92	9.48
DB	Water flow temperature 10 °C					
45	4.08	1.14	4.49	2.50	1.42	2.91
35	4.80	1.34	5.28	3.57	2.59	4.10
25	5.28	1.48	5.81	4.18	3.62	5.92
15	5.81	1.63	6.39	4.93	4.51	7.04
10	6.10	1.71	6.71	5.61	5.24	7.83
DB	Water flow temperature 7 °C					
45	3.74	1.12	4.12	2.03	1.14	2.41
35	5.00	1.50	5.50	3.20	2.07	3.39
25	4.76	1.43	5.24	3.40	2.90	4.89
15	5.35	1.61	5.89	4.01	3.61	5.82
10	5.76	1.73	6.33	4.56	4.19	6.47

AU082FYCRA(HW)						
Air temp.	Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	EER(EN14511) Nom.	EER Min.	EER Max.
DB	Water flow temperature 20 °C					
45	6.75	2.03	7.43	3.95	3.81	4.05
35	7.86	2.36	8.65	3.42	3.47	5.70
25	8.69	2.61	9.56	5.13	4.90	8.24
15	9.60	2.88	10.56	7.53	7.19	10.75
10	10.17	3.05	11.19	9.36	9.47	11.45
DB	Water flow temperature 18 °C					
45	5.95	1.79	6.55	3.93	3.79	4.02
35	7.00	2.10	7.70	3.40	3.45	5.66
25	8.24	2.47	9.06	5.10	4.87	8.18
15	9.11	2.73	10.03	7.47	7.14	10.68
10	9.33	2.80	10.27	9.85	9.41	10.98
DB	Water flow temperature 15 °C					
45	5.92	1.66	6.46	2.21	2.15	3.09
35	6.73	1.89	7.34	2.95	2.92	4.19
25	7.66	2.15	8.35	4.30	4.12	6.03
15	8.48	2.37	9.24	6.28	6.01	8.39
10	8.71	2.44	9.50	8.49	8.08	10.20
DB	Water flow temperature 10 °C					
45	5.16	1.44	5.67	1.97	1.91	2.69
35	6.06	1.70	6.67	2.63	2.60	3.64
25	6.67	1.87	7.34	3.82	3.66	5.25
15	7.34	2.05	8.07	5.59	5.35	7.30
10	7.71	2.16	8.48	7.55	7.19	8.88
DB	Water flow temperature 7 °C					
45	4.24	1.27	4.66	1.95	1.78	2.49
35	5.50	1.65	6.05	2.35	2.47	3.47
25	5.39	1.62	5.93	3.81	3.47	4.86
15	6.06	1.82	6.67	5.49	5.01	7.02
10	6.52	1.96	7.17	7.21	6.35	8.41
DB	Water flow temperature 5 °C					
45	4.14	1.24	4.97	1.75	1.58	2.10
35	4.79	1.44	5.75	2.15	2.20	2.93
25	5.35	1.61	6.42	3.41	3.09	4.09
15	5.94	1.78	7.12	4.91	4.46	5.98
10	6.28	1.88	7.54	6.94	5.65	7.74

AU112FYCRA(HW)						
Air temp.	Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	EER(EN14511) Nom.	EER Min.	EER Max.
DB	Water flow temperature 20 °C					
45	12.78	3.83	13.42	3.66	3.25	4.51
35	13.91	4.17	14.60	4.87	4.25	6.56
25	15.64	4.69	16.42	6.55	5.78	9.84
15	17.19	5.16	18.05	9.13	7.33	10.71
10	17.70	5.31	18.59	11.41	11.38	11.75
DB	Water flow temperature 18 °C					
45	12.41	3.72	13.03	3.45	3.06	4.25
35	13.50	4.05	14.18	4.60	4.01	6.19
25	15.18	4.55	15.94	6.18	5.45	9.29
15	16.69	5.01	17.52	8.61	6.91	10.40
10	16.75	5.03	17.59	11.08	10.74	11.93
DB	Water flow temperature 15 °C					
45	11.87	3.56	13.05	2.83	2.51	3.49
35	13.22	4.63	14.54	3.81	3.29	5.07
25	14.43	5.05	15.88	5.06	4.47	7.62
15	15.21	5.32	16.73	7.06	5.67	8.52
10	15.97	5.59	17.57	9.08	8.80	9.78
DB	Water flow temperature 10 °C					
45	10.24	3.17	11.77	2.49	2.21	3.07
35	12.91	4.00	14.85	3.35	2.90	4.46
25	13.96	4.33	16.05	4.46	3.94	6.70
15	15.31	4.75	17.61	6.21	4.99	7.50
10	15.91	4.93	18.29	7.99	7.75	8.61
DB	Water flow temperature 7 °C					
45	9.77	2.93	10.74	2.14	1.96	2.46
35	11.50	3.45	11.60	3.00	3.03	3.40
25	12.90	3.87	14.19	3.88	3.47	4.69
15	14.14	4.24	15.56	5.24	4.54	6.74
10	15.25	4.58	16.78	7.64	6.62	8.45
DB	Water flow temperature 5 °C					
45	9.39	2.82	10.32	2.07	1.88	2.26
35	10.76	3.23	11.83	2.84	2.91	3.12
25	12.11	3.63	13.32	3.77	3.34	4.32
15	13.25	3.97	14.57	5.05	4.36	6.20
10	14.03	4.21	15.43	6.08	6.36	7.77

AU162FYCRA(HW)						
Air temp.	Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	EER(EN14511) Nom.	EER Min.	EER Max.
DB	Water flow temperature 20 °C					
45	15.05	4.64	15.80	3.15	3.15	4.34
35	16.80	5.18	17.64	4.62	3.97	6.34
25	19.05	5.88	20.00	5.88	5.09	9.56
15	20.95	6.46	21.99	8.29	6.46	11.35
10	21.13	6.52	23.25	11.37	10.53	12.01
DB	Water flow temperature 18 °C					
45	14.33	4.30	15.05	3.00	3.00	4.14
35	16.00	4.80	16.80	4.40	3.78	6.04
25	18.14	5.44	19.05	5.60	4.85	9.10
15	19.95	5.98	20.95	7.89	6.15	10.81
10	20.13	6.04	22.14	10.83	10.03	11.43
DB	Water flow temperature 15 °C					
45	12.05	3.61	13.25	2.74	2.74	3.65
35	15.30	4.59	16.06	3.62	3.44	5.26
25	15.53	4.66	18.63	5.01	4.45	7.81
15	17.05	5.12	20.46	6.81	5.68	11.47
10	17.53	5.26	21.03	10.50	9.63	11.20
DB	Water flow temperature 10 °C					
45	11.44	3.43	12.59	2.33	2.31	2.85
35	14.84	4.45	16.32	3.00	2.89	4.02
25	14.13	4.24	15.54	4.04	3.77	5.75
15	15.52	4.66	17.07	5.41	4.88	8.78
10	15.95	4.79	17.55	9.78	9.47	10.58
DB	Water flow temperature 7 °C					
45	11.18	3.36	12.30	2.35	2.32	2.69
35	14.50	4.35	16.53	2.95	2.89	3.74
25	13.71	4.11	15.08	3.93	3.79	5.17
15	15.05	4.52	16.56	5.19	4.97	7.45
10	15.47	4.64	17.02	7.58	7.24	9.59
DB	Water flow temperature 5 °C					
45	10.16	3.05	11.18	2.24	2.20	2.46
35	13.24	3.97	14.56	2.80	2.73	3.36
25	13.43	4.03	14.77	3.65	3.63	4.51
15	14.75	4.43	16.23	4.78	4.78	6.13
10	15.16	4.55	16.68	5.23	4.85	8.05

10.2 Heating capacity

AU052FYCRA(HW)							
Air temp.		Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	COP(EN14511) Nom.	COP Min.	COP Max.
DB	WB	Water flow temperature 25 °C					
35	24	8.94	3.51	13.10	7.26	5.45	9.30
27	19	7.99	2.93	12.36	6.92	5.19	8.78
20	19	7.19	2.34	11.62	6.40	4.80	8.14
10	9	6.00	1.95	9.32	5.62	4.21	6.44
7	6	5.50	1.82	8.60	5.25	3.94	5.92
2	1	5.23	1.43	6.35	4.57	3.43	4.72
0	-1	5.17	1.35	5.82	4.20	3.15	4.64
-3	-4	5.08	1.28	5.44	4.05	2.90	4.42
-7	-8	4.84	1.19	4.77	3.75	2.52	4.11
-15	-16	3.48	1.08	4.14	2.63	1.77	3.88
-20	-21	2.44	0.79	2.53	1.71	1.15	3.70
DB	WB	Water flow temperature 35 °C					
35	24	8.13	2.77	9.35	6.99	5.24	7.42
27	19	7.26	2.07	8.35	6.65	4.99	6.97
20	19	6.54	1.57	7.52	6.16	4.62	6.42
10	9	5.45	1.31	6.27	5.40	4.05	5.68
7	6	5.00	1.20	5.75	5.05	3.79	5.41
2	1	4.75	1.14	5.46	4.39	3.30	5.18
0	-1	4.70	1.13	5.41	4.04	3.03	5.09
-3	-4	4.43	1.06	5.10	3.45	2.79	4.87
-7	-8	4.22	1.06	4.85	3.19	2.57	4.55
-15	-16	3.04	0.76	3.49	2.23	1.80	4.28
-20	-21	2.13	0.53	2.45	1.45	1.17	4.26
DB	WB	Water flow temperature 45 °C					
35	24	6.73	2.49	7.74	5.33	4.26	6.58
27	19	6.29	1.86	7.24	5.07	4.06	5.78
20	19	5.94	1.41	6.83	4.70	3.76	5.13
10	9	5.30	1.18	6.10	4.12	3.30	4.54
7	6	5.00	1.08	5.75	3.85	3.08	4.33
2	1	4.80	1.03	5.52	3.35	2.68	4.14
0	-1	4.70	1.02	5.41	3.08	2.47	4.07
-3	-4	4.37	0.96	5.02	2.95	2.27	3.89
-7	-8	4.20	0.95	4.83	2.73	2.09	3.64
-15	-16	2.86	0.68	3.28	1.91	1.46	3.21
-20	-21	1.86	0.48	2.13	1.24	0.95	3.19
DB	WB	Water flow temperature 55 °C					
35	24	6.02	2.06	6.62	4.08	2.65	5.60
27	19	5.78	1.66	6.36	3.89	2.53	4.75
20	19	5.62	1.26	6.18	3.60	2.34	3.85
10	9	5.20	1.05	5.72	3.16	2.05	3.41
7	6	5.00	0.96	5.50	2.95	1.92	3.25
2	1	4.85	0.91	5.34	2.57	1.67	3.11
0	-1	4.70	0.90	5.17	2.36	1.53	3.05
-3	-4	4.39	0.85	4.83	2.32	1.41	2.92
-7	-8	4.18	0.85	4.60	2.15	1.30	2.73
-15	-16	2.72	0.61	2.99	1.51	1.16	2.41
-20	-21	1.63	0.43	1.79	1.01	0.81	2.40

AU082FYCRA(HW)							
Air temp.		Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	COP(EN14511) Nom.	COP Min.	COP Max.
DB	WB	Water flow temperature 25 °C					
35	24	13.06	4.81	14.14	7.05	6.75	7.61
27	19	12.26	4.01	13.34	6.61	6.03	7.19
20	19	11.46	3.21	12.54	6.20	5.35	6.67
10	9	9.20	2.66	10.06	4.90	4.25	5.27
7	6	8.47	2.49	9.29	4.73	4.04	4.85
2	1	6.23	1.95	6.85	3.53	3.07	3.86
0	-1	5.81	1.85	6.28	3.48	2.97	3.80
-3	-4	5.40	1.75	5.88	3.33	2.80	3.61
-7	-8	4.74	1.63	5.15	3.14	2.51	3.36
-15	-16	4.12	1.48	4.47	2.97	2.40	3.18
-20	-21	2.54	1.08	2.73	2.96	2.27	3.03
DB	WB	Water flow temperature 35 °C					
35	24	12.46	4.21	13.54	6.75	6.45	7.31
27	19	11.66	3.41	12.74	6.31	5.73	6.89
20	19	10.86	2.61	11.94	5.90	5.05	6.37
10	9	8.60	2.06	9.46	4.60	3.95	4.97
7	6	7.80	1.87	8.69	4.40	3.74	4.55
2	1	5.63	1.35	6.25	3.23	2.77	3.56
0	-1	5.21	1.25	5.68	3.18	2.67	3.50
-3	-4	4.80	1.15	5.28	3.03	2.50	3.31
-7	-8	4.14	1.03	4.55	2.84	2.21	3.06
-15	-16	3.52	0.88	3.87	2.67	2.10	2.88
-20	-21	1.94	0.48	2.13	2.66	1.97	2.73
DB	WB	Water flow temperature 45 °C					
35	24	11.53	3.58	12.87	5.98	5.86	6.58
27	19	10.98	2.74	12.14	5.31	5.03	5.78
20	19	10.61	2.50	11.46	4.73	4.35	5.09
10	9	8.35	1.98	9.02	3.75	3.45	3.98
7	6	7.50	1.80	8.65	3.20	3.18	3.64
2	1	5.36	1.30	5.89	2.78	2.36	2.85
0	-1	5.00	1.20	5.50	2.64	2.25	2.80
-3	-4	4.63	1.10	5.09	2.55	2.07	2.65
-7	-8	4.00	0.99	4.40	2.43	1.90	2.45
-15	-16	3.48	0.84	3.83	2.30	1.85	2.16
-20	-21	1.32	0.46	1.45	2.18	1.80	2.04
DB	WB	Water flow temperature 55 °C					
35	24	10.89	3.10	11.97	5.19	4.65	5.12
27	19	10.05	2.54	11.24	4.56	3.97	4.53
20	19	9.47	2.30	10.41	3.54	3.26	3.82
10	9	7.58	1.82	8.34	4.07	2.58	2.98
7	6	7.01	1.65	7.71	2.54	2.38	2.73
2	1	5.08	1.19	5.59	2.21	1.77	2.14
0	-1	4.71	1.11	5.18	2.04	1.69	2.10
-3	-4	4.42	1.02	4.87	1.94	1.55	1.99
-7	-8	3.77	0.91	4.14	1.82	1.43	1.84
-15	-16	0.87	0.78	0.95	2.08	1.38	1.62
-20	-21	0.51	0.43	0.56	1.83	1.35	1.53

AU112FYCRA(HW)							
Air temp.		Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	COP(EN14511) Nom.	COP Min.	COP Max.
DB	WB	Water flow temperature 25 °C					
35	24	18.30	5.49	19.58	8.09	7.28	8.22
27	19	17.50	5.25	18.73	7.36	6.62	7.47
20	19	16.30	4.89	17.44	6.69	6.02	6.80
10	9	13.90	4.17	14.88	5.11	4.59	5.19
7	6	12.00	3.60	12.84	4.62	4.17	4.70
2	1	9.74	2.92	10.42	3.69	3.32	3.75
0	-1	9.49	2.85	10.15	3.56	3.20	3.62
-3	-4	8.82	2.65	9.44	3.39	3.05	3.45
-7	-8	7.93	2.38	8.49	2.99	2.70	3.04
-15	-16	7.43	2.23	7.95	2.71	2.44	2.74
-20	-21	4.22	1.26	4.51	2.47	2.24	2.49
DB	WB	Water flow temperature 35 °C					
35	24	17.4	5.23	18.30	7.36	7.14	7.56
27	19	16.3	4.89	17.12	6.69	6.49	6.98
20	19	15.30	4.59	16.07	6.08	5.47	6.18
10	9	12.90	3.87	14.55	4.64	4.17	4.72
7	6	11.00	3.30	14.06	4.20	3.79	4.28
2	1	8.74	2.62	9.18	3.36	3.02	3.41
0	-1	8.49	2.55	8.91	3.24	2.91	3.29
-3	-4	7.82	2.35	8.21	3.08	2.77	3.13
-7	-8	6.93	2.08	7.28	2.72	2.45	2.76
-15	-16	6.43	1.93	6.75	2.46	2.21	2.49
-20	-21	3.22	0.96	3.38	2.25	2.04	2.27
DB	WB	Water flow temperature 45 °C					
35	24	16.8	5.04	18.48	5.39	4.55	5.42
27	19	15.68	4.70	17.25	4.56	3.87	4.83
20	19	14.42	4.33	15.86	4.37	2.78	4.44
10	9	12.19	3.66	14.62	3.69	3.20	3.75
7	6	10.50	3.15	13.65	3.20	3.06	3.54
2	1	7.21	2.16	7.93	3.00	2.58	3.07
0	-1	6.85	2.06	7.54	2.78	2.41	2.83
-3	-4	6.32	1.89	6.95	2.66	2.30	2.69
-7	-8	5.64	1.69	6.20	2.41	2.18	2.56
-15	-16	5.13	1.54	5.65	2.31	2.09	2.46
-20	-21	2.57	0.77	2.82	2.16	1.97	2.30
DB	WB	Water flow temperature 55 °C					
35	24	15.45	4.64	17.00	4.17	3.89	4.51
27	19	14.56	4.37	16.02	3.43	3.31	3.46
20	19	13.42	4.03	14.76	2.80	2.77	2.87
10	9	11.12	3.33	12.23	2.39	2.37	2.44
7	6	9.99	3.00	10.99	2.27	2.26	2.31
2	1	8.40	2.52	9.24	2.00	1.98	2.03
0	-1	7.98	2.39	8.78	1.89	1.87	1.92
-3	-4	7.22	2.17	7.94	1.80	1.78	1.83
-7	-8	6.18	1.85	6.80	1.64	1.62	1.67
-15	-16	2.78	0.84	3.06	1.57	1.52	1.54
-20	-21	1.10	0.44	1.21	1.38	1.36	1.41

AU162FYCRA(HW)							
Air temp.		Capacity(kW) Nom.	Capacity(kW) Min.	Capacity(kW) Max.	COP(EN14511) Nom.	COP Min.	COP Max.
DB	WB	Water flow temperature 25 °C					
35	24	26.30	6.31	28.93	7.32	6.74	7.84
27	19	24.90	5.97	27.39	6.90	6.35	7.40
20	19	23.61	5.67	25.97	6.51	5.99	6.98
10	9	18.84	4.52	20.72	5.05	4.65	5.33
7	6	17.44	4.19	19.18	4.57	4.27	4.83
2	1	11.08	2.66	12.19	3.43	3.14	3.68
0	-1	10.14	2.43	11.15	3.06	2.76	3.50
-3	-4	9.90	2.38	10.89	3.04	2.75	3.34
-7	-8	9.33	2.24	10.26	2.87	2.46	2.98
-15	-16	8.65	2.08	9.52	2.71	2.51	2.81
-20	-21	5.19	1.25	5.71	1.97	1.82	2.14
DB	WB	Water flow temperature 35 °C					
35	24	24.13	5.55	26.30	6.65	6.12	7.13
27	19	22.84	5.25	24.90	6.27	5.78	6.72
20	19	21.66	4.98	23.61	5.92	5.45	6.34
10	9	17.28	3.97	18.84	4.59	4.23	4.84
7	6	16.00	3.68	17.01	4.15	3.89	4.39
2	1	10.17	2.34	11.08	3.12	2.86	3.35
0	-1	9.30	2.14	10.14	2.78	2.51	3.18
-3	-4	9.08	2.09	9.90	2.76	2.50	3.04
-7	-8	8.56	1.97	9.33	2.61	2.23	2.71
-15	-16	7.94	1.98	8.65	2.46	2.28	2.55
-20	-21	4.76	1.19	5.19	1.79	1.66	1.94
DB	WB	Water flow temperature 45 °C					
35	24	21.83	5.02	23.79	4.58	4.93	5.63
27	19	20.94	4.82	22.82	4.32	4.65	5.31
20	19	19.87	4.37	21.85	4.08	4.39	5.01
10	9	16.70	3.67	18.36	3.44	3.41	3.83
7	6	15.00	3.30	16.46	3.25	3.13	3.47
2	1	9.77	2.15	10.74	2.68	2.30	2.64
0	-1	9.04	1.99	9.94	2.52	2.02	2.51
-3	-4	8.82	1.94	9.70	2.42	2.01	2.40
-7	-8	8.40	1.85	9.24	2.29	1.80	2.14
-15	-16	7.40	1.63	8.14	1.82	1.83	2.02
-20	-21	3.15	0.91	3.47	1.72	1.33	1.53
DB	WB	Water flow temperature 55 °C					
35	24	20.43	4.70	22.27	3.54	3.70	4.22
27	19	19.14	4.40	20.86	3.34	3.49	3.98
20	19	18.31	4.03	20.15	3.15	3.29	3.76
10	9	17.60	3.87	19.36	2.66	2.55	2.87
7	6	14.01	3.08	15.41	2.49	2.35	2.60
2	1	9.30	2.05	10.23	1.97	1.72	1.98
0	-1	8.83	1.94	9.71	1.86	1.52	1.89
-3	-4	8.06	1.77	8.87	1.77	1.51	1.80
-7	-8	7.58	1.67	8.34	1.65	1.35	1.60
-15	-16	3.50	1.47	3.85	1.57	1.38	1.51
-20	-21	1.48	0.67	1.63	1.49	1.00	1.15