Heating Capacity Tables

5kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	2.62	1.46	1.81	2.56	1.60	1.60															
-20.0	-	3.45	1.48	2.34	3.49	1.66	2.10	3.48	1.86	1.88												
-15.0	-	4.61	1.64	2.81	4.23	1.68	2.52	4.03	1.89	2.13	4.10	2.10	1.95	3.76	2.24	1.68						
-10	-11	5.52	1.61	3.43	5.14	1.73	2.97	4.66	1.90	2.45	4.55	2.04	2.23	4.14	2.18	1.90	3.25	2.25	1.47	1.93	1.65	1.21
-7.0	-8.0	5.83	1.60	3.64	5.42	1.74	3.12	4.85	1.89	2.57	4.73	1.98	2.38	4.23	2.13	1.98	3.83	2.27	1.69	2.32	1.66	1.39
-2.0	-3.0	5.42	1.29	4.22	5.31	1.47	3.61	5.15	1.66	3.10	4.63	1.73	2.68	4.51	1.91	2.36	4.27	2.05	2.08	2.50	1.49	1.69
0	-1	5.95	1.21	4.93	5.58	1.38	4.03	5.21	1.56	3.34	5.08	1.69	3.00	5.05	1.88	2.68	5.10	2.06	2.48	3.08	1.49	2.07
2.0	1.0	6.57	1.06	6.21	5.98	1.28	4.68	5.39	1.48	3.64	5.48	1.71	3.21	5.58	1.93	2.89	5.68	2.15	2.64	3.47	1.55	2.24
7.0	6.0	4.65	0.72	6.45	4.65	0.93	5.00	4.65	1.14	4.08	4.65	1.35	3.45	4.65	1.56	2.98	4.65	1.77	2.63	2.79	1.29	2.16
15.0	12.0	5.15	0.72	7.20	5.18	0.94	5.54	5.20	1.16	4.50	5.23	1.38	3.80	5.25	1.60	3.29	5.28	1.82	2.91	3.17	1.33	2.39
20.0	15.0	5.21	0.68	7.66	5.24	0.89	5.89	5.27	1.10	4.79	5.29	1.31	4.04	5.32	1.52	3.50	5.35	1.73	3.09	3.21	1.26	2.54
25.0	18.0	5.08	0.62	8.22	5.10	0.81	6.32	5.13	1.00	5.14	5.15	1.19	4.34	5.18	1.38	3.76	5.20	1.57	3.32	3.12	1.14	2.73
30.0	22.0	4.73	0.53	8.99	4.76	0.69	6.91	4.78	0.85	5.62	4.80	1.01	4.75	4.83	1.17	4.11	4.85	1.34	3.63	2.91	0.98	2.98
35.0	24.0	4.19	0.41	10.30	4.21	0.53	7.91	4.23	0.66	6.44	4.25	0.78	5.44	4.27	0.91	4.71	4.29	1.03	4.16			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

5kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	2.62	1.44	1.81	2.43	1.56	1.56															
-20.0	-	3.36	1.47	2.29	3.11	1.58	1.97	2.87	1.69	1.70												
-15.0	-	4.10	1.49	2.76	3.80	1.60	2.37	3.50	1.72	2.04	3.20	1.83	1.75	2.91	1.95	1.49						
-10	-11	4.84	1.51	3.21	4.49	1.63	2.76	4.14	1.74	2.37	3.78	1.86	2.03	3.43	1.98	1.74	3.08	2.09	1.47	1.85	1.53	1.21
-7.0	-8.0	5.29	1.52	3.47	4.90	1.64	2.99	4.52	1.76	2.57	4.13	1.87	2.20	3.75	1.99	1.88	3.36	2.11	1.59	2.02	1.54	1.31
-2.0	-3.0	4.80	1.21	3.96	4.67	1.38	3.39	4.54	1.54	2.95	4.42	1.71	2.59	4.29	1.87	2.29	4.16	2.04	2.04	2.50	1.49	1.68
0	-1	4.69	1.10	4.28	4.62	1.28	3.62	4.56	1.46	3.13	4.50	1.64	2.75	4.44	1.82	2.44	4.38	2.00	2.19	2.63	1.46	1.80
2.0	1.0	4.62	0.93	4.97	4.60	1.16	3.98	4.58	1.38	3.31	4.57	1.61	2.83	4.55	1.84	2.47	4.53	2.07	2.19	2.72	1.51	1.80
7.0	6.0	4.65	0.72	6.45	4.65	0.93	5.00	4.65	1.14	4.08	4.65	1.35	3.45	4.65	1.56	2.98	4.65	1.77	2.63	2.79	1.29	2.16
15.0	12.0	5.15	0.72	7.20	5.18	0.94	5.54	5.20	1.16	4.50	5.23	1.38	3.80	5.25	1.60	3.29	5.28	1.82	2.91	3.17	1.33	2.39
20.0	15.0	5.21	0.68	7.66	5.24	0.89	5.89	5.27	1.10	4.79	5.29	1.31	4.04	5.32	1.52	3.50	5.35	1.73	3.09	3.21	1.26	2.54
25.0	18.0	5.08	0.62	8.22	5.10	0.81	6.32	5.13	1.00	5.14	5.15	1.19	4.34	5.18	1.38	3.76	5.20	1.57	3.32	3.12	1.14	2.73
30.0	22.0	4.73	0.53	8.99	4.76	0.69	6.91	4.78	0.85	5.62	4.80	1.01	4.75	4.83	1.17	4.11	4.85	1.34	3.63	2.91	0.98	2.98
35.0	24.0	4.19	0.41	10.30	4.21	0.53	7.91	4.23	0.66	6.44	4.25	0.78	5.44	4.27	0.91	4.71	4.29	1.03	4.16			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

7kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	3.49	1.99	1.78	3.37	2.11	1.60															
-20.0	-	4.59	2.01	2.29	4.59	2.19	2.10	4.52	2.38	1.91												
-15.0	-	6.14	2.23	2.76	5.57	2.21	2.52	5.23	2.42	2.16	5.24	2.63	2.00	4.70	2.73	1.72						
-10	-11	7.35	2.19	3.36	6.77	2.28	2.97	6.05	2.43	2.49	5.81	2.55	2.28	5.18	2.66	1.95	3.96	2.68	1.50	2.36	1.97	1.24
-7.0	-8.0	7.76	2.18	3.56	7.13	2.29	3.11	6.30	2.43	2.60	6.04	2.48	2.43	5.30	2.61	2.03	4.67	2.71	1.72	2.82	1.99	1.42
-2.0	-3.0	7.23	1.79	4.03	6.99	1.99	3.52	6.66	2.18	3.06	5.89	2.22	2.65	5.62	2.41	2.34	5.22	2.54	2.05	3.06	1.84	1.67
0	-1	8.00	1.70	4.69	7.40	1.89	3.92	6.82	2.07	3.29	6.55	2.20	2.97	6.42	2.40	2.67	6.38	2.59	2.46	3.85	1.87	2.06
2.0	1.0	8.94	1.53	5.85	8.05	1.76	4.59	7.19	1.97	3.66	7.25	2.21	3.28	7.30	2.45	2.97	7.34	2.69	2.73	4.50	1.95	2.31
7.0	6.0	6.61	1.08	6.13	6.65	1.35	4.94	6.69	1.62	4.14	6.73	1.89	3.57	6.76	2.16	3.14	6.80	2.42	2.81	4.08	1.77	2.31
15.0	12.0	7.32	1.08	6.81	7.40	1.36	5.45	7.48	1.64	4.57	7.56	1.92	3.94	7.64	2.20	3.47	7.72	2.48	3.11	4.63	1.81	2.56
20.0	15.0	7.41	1.02	7.24	7.50	1.29	5.80	7.58	1.56	4.86	7.66	1.83	4.19	7.74	2.09	3.69	7.82	2.36	3.31	4.69	1.72	2.72
25.0	18.0	7.22	0.93	7.76	7.29	1.17	6.22	7.37	1.42	5.21	7.45	1.66	4.49	7.53	1.90	3.96	7.61	2.14	3.55	4.56	1.56	2.92
30.0	22.0	6.73	0.79	8.50	6.80	1.00	6.81	6.87	1.21	5.70	6.95	1.41	4.92	7.02	1.62	4.33	7.09	1.83	3.88	4.26	1.33	3.19
35.0	24.0	5.95	0.61	9.73	6.02	0.77	7.80	6.08	0.93	6.53	6.15	1.09	5.63	6.21	1.25	4.96	6.28	1.41	4.45			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

7kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	3.49	1.96	1.78	3.20	2.05	1.56															
-20.0	-	4.47	1.99	2.24	4.10	2.08	1.97	3.73	2.17	1.72												
-15.0	-	5.46	2.02	2.70	5.00	2.11	2.37	4.55	2.20	2.07	4.09	2.29	1.79	3.64	2.37	1.53						
-10	-11	6.45	2.05	3.14	5.91	2.14	2.76	5.37	2.23	2.41	4.83	2.32	2.08	4.29	2.41	1.78	3.76	2.50	1.50	2.25	1.82	1.24
-7.0	-8.0	7.04	2.08	3.39	6.45	2.16	2.98	5.86	2.25	2.60	5.27	2.34	2.25	4.68	2.43	1.93	4.10	2.52	1.63	2.46	1.84	1.34
-2.0	-3.0	6.41	1.69	3.79	6.14	1.86	3.31	5.88	2.02	2.90	5.62	2.19	2.56	5.35	2.36	2.27	5.09	2.52	2.02	3.05	1.84	1.66
0	-1	6.30	1.55	4.08	6.14	1.74	3.53	5.97	1.93	3.09	5.81	2.13	2.73	5.64	2.32	2.43	5.48	2.51	2.18	3.29	1.83	1.79
2.0	1.0	6.28	1.34	4.69	6.20	1.59	3.90	6.12	1.84	3.33	6.03	2.09	2.89	5.95	2.34	2.55	5.86	2.59	2.27	3.52	1.89	1.86
7.0	6.0	6.61	1.08	6.13	6.65	1.35	4.94	6.69	1.62	4.14	6.73	1.89	3.57	6.76	2.16	3.14	6.80	2.42	2.81	4.08	1.77	2.31
15.0	12.0	7.32	1.08	6.81	7.40	1.36	5.45	7.48	1.64	4.57	7.56	1.92	3.94	7.64	2.20	3.47	7.72	2.48	3.11	4.63	1.81	2.56
20.0	15.0	7.41	1.02	7.24	7.50	1.29	5.80	7.58	1.56	4.86	7.66	1.83	4.19	7.74	2.09	3.69	7.82	2.36	3.31	4.69	1.72	2.72
25.0	18.0	7.22	0.93	7.76	7.29	1.17	6.22	7.37	1.42	5.21	7.45	1.66	4.49	7.53	1.90	3.96	7.61	2.14	3.55	4.56	1.56	2.92
30.0	22.0	6.73	0.79	8.50	6.80	1.00	6.81	6.87	1.21	5.70	6.95	1.41	4.92	7.02	1.62	4.33	7.09	1.83	3.88	4.26	1.33	3.19
35.0	24.0	5.95	0.61	9.73	6.02	0.77	7.80	6.08	0.93	6.53	6.15	1.09	5.63	6.21	1.25	4.96	6.28	1.41	4.45			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

9kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	4.01	2.20	1.85	3.91	2.47	1.58															
-20.0	-	5.28	2.22	2.38	5.34	2.56	2.08	5.32	2.93	1.83												
-15.0	-	7.06	2.46	2.87	6.47	2.58	2.50	6.16	2.98	2.07	6.27	3.38	1.86	5.74	3.65	1.57						
-10	-11	8.46	2.42	3.49	7.87	2.67	2.95	7.13	2.99	2.38	6.96	3.28	2.12	6.32	3.55	1.78	4.96	3.72	1.36	2.95	2.73	1.12
-7.0	-8.0	8.93	2.41	3.70	8.29	2.68	3.09	7.42	2.99	2.49	7.23	3.19	2.27	6.47	3.48	1.86	5.85	3.75	1.56	3.54	2.75	1.29
-2.0	-3.0	7.66	2.10	3.65	7.72	2.43	3.17	7.68	2.77	2.78	7.11	2.91	2.45	7.12	3.23	2.21	6.95	3.48	2.00	4.07	2.53	1.62
0	-1	8.54	2.06	4.15	8.26	2.36	3.50	7.95	2.66	2.98	7.98	2.90	2.75	8.18	3.22	2.54	8.52	3.52	2.42	5.14	2.55	2.02
2.0	1.0	9.86	1.87	5.26	9.22	2.25	4.11	8.54	2.59	3.30	8.93	2.98	2.99	9.33	3.37	2.77	9.73	3.74	2.60	5.96	2.71	2.20
7.0	6.0	8.60	1.56	5.53	8.60	1.87	4.60	8.60	2.18	3.94	8.60	2.50	3.44	8.60	2.81	3.06	8.60	3.13	2.75	5.16	2.28	2.26
15.0	12.0	9.53	1.55	6.16	9.57	1.88	5.09	9.62	2.21	4.35	9.67	2.55	3.80	9.72	2.88	3.38	9.77	3.21	3.04	5.86	2.34	2.50
20.0	15.0	9.64	1.47	6.55	9.69	1.79	5.42	9.74	2.11	4.63	9.79	2.42	4.04	9.84	2.74	3.59	9.89	3.05	3.24	5.93	2.23	2.66
25.0	18.0	9.39	1.34	7.02	9.43	1.62	5.81	9.48	1.91	4.96	9.53	2.20	4.33	9.57	2.49	3.85	9.62	2.77	3.47	5.77	2.02	2.85
30.0	22.0	8.75	1.14	7.68	8.80	1.38	6.36	8.84	1.63	5.43	8.88	1.87	4.74	8.93	2.12	4.22	8.97	2.36	3.80	5.38	1.72	3.12
35.0	24.0	7.74	0.88	8.80	7.78	1.07	7.28	7.82	1.26	6.22	7.86	1.45	5.43	7.90	1.64	4.83	7.94	1.82	4.35			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

9kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	4.01	2.17	1.85	3.72	2.40	1.55															
-20.0	-	5.14	2.20	2.33	4.77	2.44	1.96	4.39	2.67	1.65												
-15.0	-	6.28	2.24	2.81	5.82	2.47	2.35	5.36	2.71	1.98	4.90	2.94	1.67	4.44	3.18	1.40						
-10	-11	7.41	2.27	3.26	6.87	2.51	2.74	6.33	2.75	2.30	5.78	2.98	1.94	5.24	3.22	1.63	4.70	3.46	1.36	2.82	2.53	1.12
-7.0	-8.0	8.09	2.30	3.52	7.50	2.53	2.96	6.91	2.77	2.49	6.31	3.01	2.10	5.72	3.25	1.76	5.13	3.49	1.47	3.08	2.54	1.21
-2.0	-3.0	6.79	1.98	3.43	6.79	2.28	2.98	6.78	2.57	2.64	6.78	2.87	2.36	6.78	3.16	2.14	6.78	3.46	1.96	4.07	2.53	1.61
0	-1	6.73	1.87	3.60	6.84	2.18	3.14	6.96	2.49	2.80	7.08	2.80	2.53	7.19	3.11	2.31	7.31	3.42	2.14	4.39	2.49	1.76
2.0	1.0	6.93	1.64	4.22	7.10	2.03	3.49	7.27	2.43	3.00	7.43	2.82	2.64	7.60	3.21	2.37	7.77	3.60	2.16	4.66	2.63	1.77
7.0	6.0	8.60	1.56	5.53	8.60	1.87	4.60	8.60	2.18	3.94	8.60	2.50	3.44	8.60	2.81	3.06	8.60	3.13	2.75	5.16	2.28	2.26
15.0	12.0	9.53	1.55	6.16	9.57	1.88	5.09	9.62	2.21	4.35	9.67	2.55	3.80	9.72	2.88	3.38	9.77	3.21	3.04	5.86	2.34	2.50
20.0	15.0	9.64	1.47	6.55	9.69	1.79	5.42	9.74	2.11	4.63	9.79	2.42	4.04	9.84	2.74	3.59	9.89	3.05	3.24	5.93	2.23	2.66
25.0	18.0	9.39	1.34	7.02	9.43	1.62	5.81	9.48	1.91	4.96	9.53	2.20	4.33	9.57	2.49	3.85	9.62	2.77	3.47	5.77	2.02	2.85
30.0	22.0	8.75	1.14	7.68	8.80	1.38	6.36	8.84	1.63	5.43	8.88	1.87	4.74	8.93	2.12	4.22	8.97	2.36	3.80	5.38	1.72	3.12
35.0	24.0	7.74	0.88	8.80	7.78	1.07	7.28	7.82	1.26	6.22	7.86	1.45	5.43	7.90	1.64	4.83	7.94	1.82	4.35			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

Mono

R32

12kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.40	4.01	1.62	6.26	4.19	1.49															
-20.0	-	8.43	4.05	2.08	8.54	4.35	1.97	8.55	4.66	1.84												
-15.0	-	11.26	4.49	2.51	10.35	4.38	2.36	9.89	4.75	2.08	10.11	5.08	1.99	9.30	5.21	1.79						
-10	-11	13.49	4.41	3.06	12.59	4.52	2.78	11.44	4.76	2.40	11.21	4.93	2.28	10.24	5.08	2.02	8.08	5.07	1.62	4.81	3.72	1.33
-7.0	-8.0	14.24	4.39	3.24	13.27	4.54	2.92	11.92	4.75	2.52	11.66	4.79	2.43	10.48	4.97	2.11	9.53	5.12	1.86	5.77	3.75	1.54
-2.0	-3.0	14.02	3.70	3.79	13.78	4.00	3.45	13.38	4.29	3.12	12.07	4.30	2.81	11.77	4.59	2.56	11.18	4.79	2.34	6.55	3.47	1.90
0	-1	15.63	3.52	4.44	14.66	3.79	3.87	13.70	4.07	3.37	13.35	4.24	3.15	13.28	4.56	2.92	13.42	4.84	2.77	8.10	3.50	2.31
2.0	1.0	17.46	3.43	5.09	15.85	3.76	4.21	14.26	4.07	3.51	14.48	4.45	3.25	14.70	4.83	3.04	14.92	5.20	2.87	9.13	3.76	2.43
7.0	6.0	12.40	2.13	5.83	12.30	2.56	4.81	12.20	2.99	4.08	12.10	3.42	3.54	12.00	3.85	3.12	11.90	4.28	2.78	7.14	3.12	2.28
15.0	12.0	13.74	2.12	6.48	13.69	2.57	5.32	13.65	3.03	4.51	13.60	3.48	3.91	13.56	3.94	3.45	13.51	4.39	3.08	8.11	3.20	2.53
20.0	15.0	13.91	2.02	6.89	13.86	2.45	5.66	13.82	2.88	4.80	13.77	3.31	4.16	13.73	3.75	3.66	13.68	4.18	3.27	8.21	3.05	2.69
25.0	18.0	13.54	1.83	7.39	13.49	2.22	6.07	13.45	2.62	5.14	13.40	3.01	4.46	13.36	3.40	3.93	13.31	3.79	3.51	7.99	2.77	2.89
30.0	22.0	12.62	1.56	8.09	12.58	1.89	6.64	12.54	2.23	5.63	12.50	2.56	4.88	12.46	2.90	4.30	12.42	3.23	3.84	7.45	2.36	3.16
35.0	24.0	11.17	1.21	9.26	11.13	1.46	7.61	11.09	1.72	6.44	11.06	1.98	5.59	11.02	2.24	4.93	10.98	2.50	4.40			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

12kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.40	3.96	1.62	5.95	4.07	1.46															
-20.0	-	8.21	4.02	2.04	7.63	4.13	1.85	7.05	4.24	1.66												
-15.0	-	10.02	4.08	2.46	9.31	4.19	2.22	8.60	4.31	2.00	7.90	4.42	1.79	7.19	4.54	1.59						
-10	-11	11.83	4.14	2.86	10.99	4.25	2.58	10.16	4.37	2.32	9.33	4.49	2.08	8.49	4.60	1.84	7.66	4.72	1.62	4.59	3.45	1.33
-7.0	-8.0	12.91	4.17	3.09	12.00	4.29	2.80	11.09	4.41	2.52	10.18	4.52	2.25	9.27	4.64	2.00	8.36	4.76	1.76	5.02	3.47	1.44
-2.0	-3.0	12.42	3.49	3.56	12.11	3.74	3.24	11.81	3.99	2.96	11.50	4.24	2.71	11.20	4.50	2.49	10.89	4.75	2.29	6.54	3.47	1.89
0	-1	12.32	3.20	3.85	12.16	3.50	3.48	12.00	3.80	3.16	11.84	4.10	2.89	11.67	4.40	2.66	11.51	4.70	2.45	6.91	3.43	2.02
2.0	1.0	12.28	3.01	4.08	12.20	3.41	3.58	12.13	3.80	3.19	12.05	4.20	2.87	11.98	4.60	2.60	11.90	5.00	2.38	7.14	3.65	1.96
7.0	6.0	12.40	2.13	5.83	12.30	2.56	4.81	12.20	2.99	4.08	12.10	3.42	3.54	12.00	3.85	3.12	11.90	4.28	2.78	7.14	3.12	2.28
15.0	12.0	13.74	2.12	6.48	13.69	2.57	5.32	13.65	3.03	4.51	13.60	3.48	3.91	13.56	3.94	3.45	13.51	4.39	3.08	8.11	3.20	2.53
20.0	15.0	13.91	2.02	6.89	13.86	2.45	5.66	13.82	2.88	4.80	13.77	3.31	4.16	13.73	3.75	3.66	13.68	4.18	3.27	8.21	3.05	2.69
25.0	18.0	13.54	1.83	7.39	13.49	2.22	6.07	13.45	2.62	5.14	13.40	3.01	4.46	13.36	3.40	3.93	13.31	3.79	3.51	7.99	2.77	2.89
30.0	22.0	12.62	1.56	8.09	12.58	1.89	6.64	12.54	2.23	5.63	12.50	2.56	4.88	12.46	2.90	4.30	12.42	3.23	3.84	7.45	2.36	3.16
35.0	24.0	11.17	1.21	9.26	11.13	1.46	7.61	11.09	1.72	6.44	11.06	1.98	5.59	11.02	2.24	4.93	10.98	2.50	4.40			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

14kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.72	4.25	1.60	6.68	4.49	1.49															
-20.0	-	8.85	4.29	2.06	9.11	4.66	1.96	9.28	5.04	1.85												
-15.0	-	11.83	4.76	2.48	11.04	4.70	2.35	10.74	5.14	2.09	11.21	5.55	2.02	10.56	5.74	1.84						
-10	-11	14.17	4.68	3.03	13.43	4.85	2.77	12.43	5.16	2.41	12.43	5.38	2.31	11.63	5.60	2.08	9.44	5.63	1.71	5.62	4.14	1.40
-7.0	-8.0	14.95	4.66	3.21	14.15	4.87	2.90	12.94	5.14	2.52	12.92	5.24	2.47	11.90	5.49	2.17	11.14	5.69	1.96	6.74	4.17	1.62
-2.0	-3.0	14.47	3.97	3.64	14.37	4.35	3.30	14.09	4.72	2.99	12.85	4.77	2.70	12.68	5.13	2.47	12.19	5.38	2.26	7.14	3.90	1.84
0	-1	16.25	3.83	4.24	15.39	4.17	3.69	14.51	4.52	3.21	14.28	4.76	3.00	14.35	5.14	2.79	14.64	5.50	2.66	8.83	3.98	2.22
2.0	1.0	18.44	3.63	5.07	16.89	4.04	4.18	15.33	4.41	3.48	15.71	4.87	3.23	16.09	5.32	3.03	16.47	5.76	2.86	10.08	4.16	2.42
7.0	6.0	14.08	2.54	5.55	14.10	3.07	4.60	14.13	3.59	3.93	14.15	4.12	3.44	14.18	4.65	3.05	14.20	5.17	2.75	8.52	3.78	2.26
15.0	12.0	15.59	2.53	6.16	15.70	3.09	5.09	15.80	3.64	4.34	15.91	4.19	3.79	16.02	4.75	3.37	16.13	5.30	3.04	9.68	3.87	2.50
20.0	15.0	15.78	2.41	6.55	15.89	2.94	5.41	16.00	3.46	4.62	16.11	3.99	4.04	16.22	4.52	3.59	16.32	5.05	3.24	9.79	3.68	2.66
25.0	18.0	15.36	2.19	7.02	15.47	2.67	5.80	15.57	3.14	4.95	15.68	3.62	4.33	15.78	4.10	3.85	15.89	4.58	3.47	9.53	3.34	2.85
30.0	22.0	14.32	1.86	7.68	14.42	2.27	6.35	14.52	2.68	5.42	14.62	3.09	4.74	14.72	3.49	4.21	14.81	3.90	3.80	8.89	2.85	3.12
35.0	24.0	12.67	1.44	8.80	12.76	1.75	7.27	12.84	2.07	6.21	12.93	2.38	5.42	13.02	2.70	4.82	13.11	3.01	4.35			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

14kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.72	4.20	1.60	6.34	4.36	1.45															
-20.0	-	8.62	4.26	2.02	8.14	4.43	1.84	7.66	4.60	1.67												
-15.0	-	10.52	4.33	2.43	9.93	4.50	2.21	9.34	4.66	2.00	8.76	4.83	1.81	8.17	5.00	1.63						
-10	-11	12.42	4.39	2.83	11.73	4.56	2.57	11.03	4.73	2.33	10.34	4.90	2.11	9.64	5.07	1.90	8.95	5.25	1.71	5.37	3.83	1.40
-7.0	-8.0	13.56	4.43	3.06	12.80	4.60	2.78	12.04	4.77	2.52	11.29	4.95	2.28	10.53	5.12	2.06	9.77	5.29	1.85	5.86	3.86	1.52
-2.0	-3.0	12.82	3.75	3.42	12.63	4.07	3.11	12.44	4.39	2.84	12.25	4.71	2.60	12.07	5.02	2.40	11.88	5.34	2.22	7.13	3.90	1.83
0	-1	12.81	3.48	3.69	12.76	3.85	3.32	12.71	4.22	3.01	12.66	4.59	2.76	12.61	4.96	2.54	12.56	5.34	2.35	7.53	3.89	1.93
2.0	1.0	12.96	3.19	4.07	13.00	3.66	3.56	13.04	4.13	3.16	13.07	4.59	2.85	13.11	5.06	2.59	13.14	5.53	2.38	7.89	4.04	1.95
7.0	6.0	14.08	2.54	5.55	14.10	3.07	4.60	14.13	3.59	3.93	14.15	4.12	3.44	14.18	4.65	3.05	14.20	5.17	2.75	8.52	3.78	2.26
15.0	12.0	15.59	2.53	6.16	15.70	3.09	5.09	15.80	3.64	4.34	15.91	4.19	3.79	16.02	4.75	3.37	16.13	5.30	3.04	9.68	3.87	2.50
20.0	15.0	15.78	2.41	6.55	15.89	2.94	5.41	16.00	3.46	4.62	16.11	3.99	4.04	16.22	4.52	3.59	16.32	5.05	3.24	9.79	3.68	2.66
25.0	18.0	15.36	2.19	7.02	15.47	2.67	5.80	15.57	3.14	4.95	15.68	3.62	4.33	15.78	4.10	3.85	15.89	4.58	3.47	9.53	3.34	2.85
30.0	22.0	14.32	1.86	7.68	14.42	2.27	6.35	14.52	2.68	5.42	14.62	3.09	4.74	14.72	3.49	4.21	14.81	3.90	3.80	8.89	2.85	3.12
35.0	24.0	12.67	1.44	8.80	12.76	1.75	7.27	12.84	2.07	6.21	12.93	2.38	5.42	13.02	2.70	4.82	13.11	3.01	4.35			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

16kW heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	7.07	4.50	1.59	7.05	4.80	1.47															
-20.0	-	9.31	4.54	2.05	9.61	4.97	1.93	9.82	5.42	1.82												
-15.0	-	12.44	5.04	2.47	11.65	5.02	2.32	11.36	5.53	2.06	11.90	6.01	1.98	11.25	6.26	1.80						
-10	-11	14.90	4.96	3.01	14.16	5.17	2.74	13.14	5.54	2.37	13.19	5.83	2.26	12.39	6.10	2.03	10.10	6.18	1.66	6.01	4.53	1.37
-7.0	-8.0	15.73	4.93	3.19	14.93	5.20	2.87	13.69	5.53	2.48	13.71	5.67	2.42	12.68	5.98	2.12	11.92	6.24	1.91	7.21	4.57	1.58
-2.0	-3.0	16.61	4.50	3.69	16.15	4.90	3.30	15.50	5.29	2.93	13.81	5.32	2.60	13.30	5.70	2.33	12.46	5.97	2.09	7.30	4.32	1.70
0	-1	19.02	4.44	4.28	17.58	4.78	3.67	16.17	5.13	3.15	15.51	5.36	2.89	15.17	5.76	2.63	15.06	6.13	2.46	9.09	4.43	2.05
2.0	1.0	21.78	4.65	4.69	19.49	4.96	3.93	17.27	5.24	3.29	17.28	5.64	3.06	17.26	6.02	2.87	17.23	6.40	2.69	10.55	4.63	2.28
7.0	6.0	16.35	3.10	5.27	16.30	3.66	4.45	16.25	4.22	3.85	16.20	4.79	3.39	16.15	5.35	3.02	16.10	5.91	2.73	9.66	4.31	2.24
15.0	12.0	18.11	3.08	5.87	18.15	3.68	4.93	18.18	4.28	4.25	18.22	4.87	3.74	18.25	5.47	3.34	18.28	6.06	3.02	10.97	4.42	2.48
20.0	15.0	18.34	2.94	6.25	18.37	3.50	5.25	18.41	4.07	4.52	18.44	4.64	3.98	18.47	5.20	3.55	18.51	5.77	3.21	11.11	4.21	2.64
25.0	18.0	17.85	2.66	6.70	17.88	3.18	5.63	17.91	3.69	4.85	17.95	4.21	4.27	17.98	4.72	3.81	18.01	5.23	3.44	10.81	3.82	2.83
30.0	22.0	16.64	2.27	7.33	16.67	2.71	6.16	16.70	3.15	5.31	16.73	3.58	4.67	16.77	4.02	4.17	16.80	4.46	3.77	10.08	3.26	3.09
35.0	24.0	14.72	1.75	8.39	14.75	2.09	7.05	14.78	2.43	6.08	14.80	2.77	5.35	14.83	3.11	4.77	14.86	3.45	4.31			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

16kW heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	7.07	4.45	1.59	6.69	4.66	1.44															
-20.0	-	9.07	4.51	2.01	8.58	4.73	1.82	8.10	4.94	1.64												
-15.0	-	11.07	4.58	2.42	10.47	4.80	2.18	9.88	5.02	1.97	9.29	5.23	1.78	8.70	5.45	1.60						
-10	-11	13.07	4.65	2.81	12.37	4.87	2.54	11.67	5.09	2.29	10.97	5.31	2.07	10.27	5.53	1.86	9.57	5.75	1.66	5.74	4.20	1.37
-7.0	-8.0	14.26	4.69	3.04	13.50	4.91	2.75	12.74	5.13	2.48	11.98	5.36	2.24	11.21	5.58	2.01	10.45	5.80	1.80	6.27	4.23	1.48
-2.0	-3.0	14.71	4.24	3.47	14.20	4.58	3.10	13.69	4.92	2.78	13.17	5.25	2.51	12.66	5.59	2.27	12.14	5.92	2.05	7.29	4.32	1.69
0	-1	14.99	4.03	3.72	14.57	4.41	3.30	14.16	4.80	2.95	13.75	5.18	2.65	13.33	5.56	2.40	12.92	5.95	2.17	7.75	4.34	1.79
2.0	1.0	15.31	4.08	3.76	15.00	4.49	3.34	14.69	4.91	2.99	14.38	5.32	2.70	14.07	5.74	2.45	13.76	6.15	2.24	8.25	4.49	1.84
7.0	6.0	16.35	3.10	5.27	16.30	3.66	4.45	16.25	4.22	3.85	16.20	4.79	3.39	16.15	5.35	3.02	16.10	5.91	2.73	9.66	4.31	2.24
15.0	12.0	18.11	3.08	5.87	18.15	3.68	4.93	18.18	4.28	4.25	18.22	4.87	3.74	18.25	5.47	3.34	18.28	6.06	3.02	10.97	4.42	2.48
20.0	15.0	18.34	2.94	6.25	18.37	3.50	5.25	18.41	4.07	4.52	18.44	4.64	3.98	18.47	5.20	3.55	18.51	5.77	3.21	11.11	4.21	2.64
25.0	18.0	17.85	2.66	6.70	17.88	3.18	5.63	17.91	3.69	4.85	17.95	4.21	4.27	17.98	4.72	3.81	18.01	5.23	3.44	10.81	3.82	2.83
30.0	22.0	16.64	2.27	7.33	16.67	2.71	6.16	16.70	3.15	5.31	16.73	3.58	4.67	16.77	4.02	4.17	16.80	4.46	3.77	10.08	3.26	3.09
35.0	24.0	14.72	1.75	8.39	14.75	2.09	7.05	14.78	2.43	6.08	14.80	2.77	5.35	14.83	3.11	4.77	14.86	3.45	4.31	8.92	2.52	3.54

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

12kW P3 heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.40	3.93	1.65	6.26	4.12	1.52															
-20.0	-	8.43	3.96	2.13	8.54	4.27	2.00	8.55	4.60	1.86												
-15.0	-	11.26	4.39	2.56	10.35	4.31	2.40	9.89	4.69	2.11	10.11	5.04	2.01	9.30	5.19	1.79						
-10	-11	13.49	4.32	3.12	12.59	4.45	2.83	11.44	4.70	2.43	11.21	4.89	2.29	10.24	5.06	2.03	8.08	5.07	1.62	4.81	3.72	1.33
-7.0	-8.0	14.24	4.30	3.31	13.27	4.47	2.97	11.92	4.69	2.55	11.66	4.75	2.45	10.48	4.96	2.12	9.53	5.12	1.86	5.77	3.75	1.54
-2.0	-3.0	14.02	3.63	3.87	13.78	3.94	3.50	13.38	4.25	3.15	12.07	4.27	2.83	11.77	4.57	2.57	11.18	4.78	2.34	6.55	3.46	1.90
0	-1	15.63	3.46	4.52	14.66	3.74	3.92	13.70	4.02	3.40	13.35	4.21	3.17	13.28	4.53	2.93	13.42	4.83	2.78	8.10	3.49	2.32
2.0	1.0	17.46	3.35	5.21	15.85	3.70	4.28	14.26	4.02	3.55	14.48	4.42	3.28	14.70	4.81	3.05	14.92	5.20	2.87	9.13	3.76	2.43
7.0	6.0	12.40	2.12	5.85	12.30	2.54	4.84	12.20	2.96	4.12	12.10	3.39	3.57	12.00	3.81	3.15	11.90	4.23	2.81	7.14	3.09	2.31
15.0	12.0	13.74	2.11	6.52	13.69	2.55	5.36	13.65	3.00	4.55	13.60	3.45	3.95	13.56	3.89	3.48	13.51	4.34	3.12	8.11	3.17	2.56
20.0	15.0	13.91	2.01	6.93	13.86	2.43	5.70	13.82	2.86	4.84	13.77	3.28	4.20	13.73	3.70	3.71	13.68	4.13	3.31	8.21	3.01	2.72
25.0	18.0	13.54	1.82	7.44	13.49	2.21	6.12	13.45	2.59	5.19	13.40	2.98	4.50	13.36	3.36	3.97	13.31	3.75	3.55	7.99	2.74	2.92
30.0	22.0	12.62	1.55	8.14	12.58	1.88	6.69	12.54	2.21	5.68	12.50	2.54	4.93	12.46	2.86	4.35	12.42	3.19	3.89	7.45	2.33	3.20
35.0	24.0	11.17	1.20	9.32	11.13	1.45	7.67	11.09	1.71	6.50	11.06	1.96	5.64	11.02	2.21	4.98	10.98	2.47	4.45			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

12kW P3 heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.40	3.87	1.65	5.95	4.00	1.49															
-20.0	-	8.21	3.93	2.09	7.63	4.06	1.88	7.05	4.19	1.68												
-15.0	-	10.02	3.99	2.51	9.31	4.12	2.26	8.60	4.26	2.02	7.90	4.39	1.80	7.19	4.52	1.59						
-10	-11	11.83	4.05	2.92	10.99	4.18	2.63	10.16	4.32	2.35	9.33	4.45	2.09	8.49	4.59	1.85	7.66	4.72	1.62	4.59	3.45	1.33
-7.0	-8.0	12.91	4.09	3.16	12.00	4.22	2.84	11.09	4.35	2.55	10.18	4.49	2.27	9.27	4.62	2.01	8.36	4.76	1.76	5.02	3.47	1.44
-2.0	-3.0	12.42	3.42	3.63	12.11	3.68	3.29	11.81	3.95	2.99	11.50	4.21	2.73	11.20	4.48	2.50	10.89	4.74	2.30	6.54	3.46	1.89
0	-1	12.32	3.14	3.92	12.16	3.45	3.52	12.00	3.76	3.19	11.84	4.07	2.91	11.67	4.37	2.67	11.51	4.68	2.46	6.91	3.42	2.02
2.0	1.0	12.28	2.94	4.18	12.20	3.35	3.64	12.13	3.76	3.22	12.05	4.17	2.89	11.98	4.58	2.61	11.90	5.00	2.38	7.14	3.65	1.96
7.0	6.0	12.40	2.12	5.85	12.30	2.54	4.84	12.20	2.96	4.12	12.10	3.39	3.57	12.00	3.81	3.15	11.90	4.23	2.81	7.14	3.09	2.31
15.0	12.0	13.74	2.11	6.52	13.69	2.55	5.36	13.65	3.00	4.55	13.60	3.45	3.95	13.56	3.89	3.48	13.51	4.34	3.12	8.11	3.17	2.56
20.0	15.0	13.91	2.01	6.93	13.86	2.43	5.70	13.82	2.86	4.84	13.77	3.28	4.20	13.73	3.70	3.71	13.68	4.13	3.31	8.21	3.01	2.72
25.0	18.0	13.54	1.82	7.44	13.49	2.21	6.12	13.45	2.59	5.19	13.40	2.98	4.50	13.36	3.36	3.97	13.31	3.75	3.55	7.99	2.74	2.92
30.0	22.0	12.62	1.55	8.14	12.58	1.88	6.69	12.54	2.21	5.68	12.50	2.54	4.93	12.46	2.86	4.35	12.42	3.19	3.89	7.45	2.33	3.20
35.0	24.0	11.17	1.20	9.32	11.13	1.45	7.67	11.09	1.71	6.50	11.06	1.96	5.64	11.02	2.21	4.98	10.98	2.47	4.45			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

14kW P3 heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.72	4.19	1.62	6.68	4.45	1.50															
-20.0	-	8.85	4.23	2.09	9.11	4.61	1.98	9.28	5.00	1.86												
-15.0	-	11.83	4.70	2.52	11.04	4.65	2.38	10.74	5.10	2.11	11.21	5.52	2.03	10.56	5.73	1.84						
-10	-11	14.17	4.62	3.07	13.43	4.79	2.80	12.43	5.11	2.43	12.43	5.36	2.32	11.63	5.58	2.08	9.44	5.63	1.71	5.62	4.14	1.40
-7.0	-8.0	14.95	4.59	3.26	14.15	4.82	2.94	12.94	5.10	2.54	12.92	5.21	2.48	11.90	5.47	2.17	11.14	5.69	1.96	6.74	4.17	1.62
-2.0	-3.0	14.47	3.92	3.69	14.37	4.30	3.34	14.09	4.68	3.01	12.85	4.74	2.71	12.68	5.11	2.48	12.19	5.37	2.27	7.14	3.89	1.85
0	-1	16.25	3.78	4.29	15.39	4.13	3.72	14.51	4.48	3.24	14.28	4.73	3.02	14.35	5.12	2.80	14.64	5.48	2.67	8.83	3.96	2.23
2.0	1.0	18.44	3.59	5.13	16.89	4.01	4.22	15.33	4.39	3.50	15.71	4.85	3.24	16.09	5.31	3.03	16.47	5.76	2.86	10.08	4.16	2.42
7.0	6.0	14.08	2.53	5.56	14.10	3.05	4.63	14.13	3.56	3.97	14.15	4.07	3.47	14.18	4.59	3.09	14.20	5.10	2.79	8.52	3.72	2.29
15.0	12.0	15.59	2.53	6.17	15.70	3.07	5.12	15.80	3.61	4.38	15.91	4.15	3.84	16.02	4.69	3.42	16.13	5.23	3.08	9.68	3.82	2.53
20.0	15.0	15.78	2.40	6.57	15.89	2.92	5.45	16.00	3.43	4.66	16.11	3.95	4.08	16.22	4.46	3.63	16.32	4.98	3.28	9.79	3.63	2.70
25.0	18.0	15.36	2.18	7.04	15.47	2.65	5.84	15.57	3.12	5.00	15.68	3.58	4.38	15.78	4.05	3.90	15.89	4.52	3.52	9.53	3.30	2.89
30.0	22.0	14.32	1.86	7.71	14.42	2.26	6.39	14.52	2.66	5.47	14.62	3.05	4.79	14.72	3.45	4.26	14.81	3.85	3.85	8.89	2.81	3.16
35.0	24.0	12.67	1.44	8.82	12.76	1.74	7.32	12.84	2.05	6.26	12.93	2.36	5.48	13.02	2.67	4.88	13.11	2.97	4.41			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

14kW P3 heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	6.72	4.14	1.62	6.34	4.32	1.47															
-20.0	-	8.62	4.20	2.05	8.14	4.38	1.86	7.66	4.56	1.68												
-15.0	-	10.52	4.27	2.47	9.93	4.45	2.23	9.34	4.63	2.02	8.76	4.81	1.82	8.17	4.99	1.64						
-10	-11	12.42	4.33	2.87	11.73	4.51	2.60	11.03	4.69	2.35	10.34	4.88	2.12	9.64	5.06	1.91	8.95	5.25	1.71	5.37	3.83	1.40
-7.0	-8.0	13.56	4.36	3.11	12.80	4.55	2.81	12.04	4.73	2.54	11.29	4.92	2.29	10.53	5.11	2.06	9.77	5.29	1.85	5.86	3.86	1.52
-2.0	-3.0	12.82	3.70	3.47	12.63	4.02	3.14	12.44	4.35	2.86	12.25	4.68	2.62	12.07	5.01	2.41	11.88	5.33	2.23	7.13	3.89	1.83
0	-1	12.81	3.44	3.73	12.76	3.81	3.35	12.71	4.19	3.04	12.66	4.56	2.77	12.61	4.94	2.55	12.56	5.31	2.36	7.53	3.88	1.94
2.0	1.0	12.96	3.15	4.11	13.00	3.63	3.58	13.04	4.10	3.18	13.07	4.58	2.85	13.11	5.06	2.59	13.14	5.53	2.38	7.89	4.04	1.95
7.0	6.0	14.08	2.53	5.56	14.10	3.05	4.63	14.13	3.56	3.97	14.15	4.07	3.47	14.18	4.59	3.09	14.20	5.10	2.79	8.52	3.72	2.29
15.0	12.0	15.59	2.53	6.17	15.70	3.07	5.12	15.80	3.61	4.38	15.91	4.15	3.84	16.02	4.69	3.42	16.13	5.23	3.08	9.68	3.82	2.53
20.0	15.0	15.78	2.40	6.57	15.89	2.92	5.45	16.00	3.43	4.66	16.11	3.95	4.08	16.22	4.46	3.63	16.32	4.98	3.28	9.79	3.63	2.70
25.0	18.0	15.36	2.18	7.04	15.47	2.65	5.84	15.57	3.12	5.00	15.68	3.58	4.38	15.78	4.05	3.90	15.89	4.52	3.52	9.53	3.30	2.89
30.0	22.0	14.32	1.86	7.71	14.42	2.26	6.39	14.52	2.66	5.47	14.62	3.05	4.79	14.72	3.45	4.26	14.81	3.85	3.85	8.89	2.81	3.16
35.0	24.0	12.67	1.44	8.82	12.76	1.74	7.32	12.84	2.05	6.26	12.93	2.36	5.48	13.02	2.67	4.88	13.11	2.97	4.41			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

16kW P3 heating capacity - peak values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	7.07	4.43	1.62	7.05	4.74	1.49															
-20.0	-	9.31	4.47	2.08	9.61	4.91	1.96	9.82	5.37	1.83												
-15.0	-	12.44	4.96	2.51	11.65	4.95	2.35	11.36	5.48	2.07	11.90	5.97	1.99	11.25	6.24	1.80						
-10	-11	14.90	4.88	3.06	14.16	5.11	2.77	13.14	5.50	2.39	13.19	5.80	2.28	12.39	6.08	2.04	10.10	6.18	1.66	6.01	4.53	1.37
-7.0	-8.0	15.73	4.84	3.25	14.93	5.13	2.91	13.69	5.48	2.51	13.71	5.64	2.43	12.68	5.96	2.13	11.92	6.24	1.91	7.21	4.57	1.58
-2.0	-3.0	16.61	4.43	3.75	16.15	4.84	3.34	15.50	5.24	2.96	13.81	5.29	2.61	13.30	5.68	2.34	12.46	5.95	2.09	7.30	4.31	1.70
0	-1	19.02	4.38	4.34	17.58	4.73	3.72	16.17	5.09	3.18	15.51	5.33	2.91	15.17	5.73	2.65	15.06	6.11	2.47	9.09	4.42	2.06
2.0	1.0	21.78	4.59	4.75	19.49	4.91	3.97	17.27	5.21	3.32	17.28	5.61	3.08	17.26	6.01	2.87	17.23	6.40	2.69	10.55	4.63	2.28
7.0	6.0	16.35	3.08	5.30	16.30	3.63	4.49	16.25	4.18	3.88	16.20	4.73	3.42	16.15	5.28	3.06	16.10	5.83	2.76	9.66	4.26	2.27
15.0	12.0	18.11	3.07	5.91	18.15	3.65	4.97	18.18	4.23	4.30	18.22	4.81	3.78	18.25	5.40	3.38	18.28	5.98	3.06	10.97	4.36	2.51
20.0	15.0	18.34	2.92	6.28	18.37	3.47	5.29	18.41	4.03	4.57	18.44	4.58	4.02	18.47	5.14	3.60	18.51	5.69	3.25	11.11	4.15	2.67
25.0	18.0	17.85	2.65	6.74	17.88	3.15	5.67	17.91	3.66	4.90	17.95	4.16	4.32	17.98	4.66	3.86	18.01	5.16	3.49	10.81	3.77	2.87
30.0	22.0	16.64	2.26	7.37	16.67	2.69	6.21	16.70	3.11	5.36	16.73	3.54	4.72	16.77	3.97	4.22	16.80	4.40	3.82	10.08	3.21	3.14
35.0	24.0	14.72	1.74	8.44	14.75	2.07	7.11	14.78	2.41	6.14	14.80	2.74	5.41	14.83	3.07	4.83	14.86	3.40	4.37			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Peak heating capacity values do not take account of capacity drops caused by frost accumulation and during defrosting.

16kW P3 heating capacity - integrated values[1]

Outdoor air temp.		LWT (°C)																				
		30			35			40			45			50			55			60		
°C DB	°C WB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	-	7.07	4.37	1.62	6.69	4.60	1.45															
-20.0	-	9.07	4.44	2.04	8.58	4.67	1.84	8.10	4.90	1.65												
-15.0	-	11.07	4.51	2.46	10.47	4.74	2.21	9.88	4.97	1.99	9.29	5.20	1.79	8.70	5.44	1.60						
-10	-11	13.07	4.57	2.86	12.37	4.81	2.57	11.67	5.04	2.31	10.97	5.28	2.08	10.27	5.52	1.86	9.57	5.75	1.66	5.74	4.20	1.37
-7.0	-8.0	14.26	4.61	3.10	13.50	4.85	2.79	12.74	5.08	2.51	11.98	5.32	2.25	11.21	5.56	2.02	10.45	5.80	1.80	6.27	4.23	1.48
-2.0	-3.0	14.71	4.18	3.52	14.20	4.53	3.14	13.69	4.87	2.81	13.17	5.22	2.52	12.66	5.56	2.27	12.14	5.91	2.05	7.29	4.31	1.69
0	-1	14.99	3.97	3.77	14.57	4.36	3.34	14.16	4.75	2.98	13.75	5.14	2.67	13.33	5.53	2.41	12.92	5.92	2.18	7.75	4.32	1.79
2.0	1.0	15.31	4.02	3.81	15.00	4.45	3.37	14.69	4.87	3.01	14.38	5.30	2.71	14.07	5.72	2.46	13.76	6.15	2.24	8.25	4.49	1.84
7.0	6.0	16.35	3.08	5.30	16.30	3.63	4.49	16.25	4.18	3.88	16.20	4.73	3.42	16.15	5.28	3.06	16.10	5.83	2.76	9.66	4.26	2.27
15.0	12.0	18.11	3.07	5.91	18.15	3.65	4.97	18.18	4.23	4.30	18.22	4.81	3.78	18.25	5.40	3.38	18.28	5.98	3.06	10.97	4.36	2.51
20.0	15.0	18.34	2.92	6.28	18.37	3.47	5.29	18.41	4.03	4.57	18.44	4.58	4.02	18.47	5.14	3.60	18.51	5.69	3.25	11.11	4.15	2.67
25.0	18.0	17.85	2.65	6.74	17.88	3.15	5.67	17.91	3.66	4.90	17.95	4.16	4.32	17.98	4.66	3.86	18.01	5.16	3.49	10.81	3.77	2.87
30.0	22.0	16.64	2.26	7.37	16.67	2.69	6.21	16.70	3.11	5.36	16.73	3.54	4.72	16.77	3.97	4.22	16.80	4.40	3.82	10.08	3.21	3.14
35.0	24.0	14.72	1.74	8.44	14.75	2.07	7.11	14.78	2.41	6.14	14.80	2.74	5.41	14.83	3.07	4.83	14.86	3.40	4.37			

Abbreviations:
LWT: Leaving water temperature (°C)
HC: Total heating capacity (kW)
PI: Power input (kW)

Notes:
1. Integrated heating capacity values take account of capacity drops caused by frost accumulation and during defrosting.

Cooling Capacity Tables

5kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	3.6	1.0	3.70	3.6	1.2	2.92	3.5	1.4	2.52	3.5	1.5	2.30	3.5	1.7	2.03	3.4	1.9	1.81
40	4.6	0.9	5.06	4.6	1.1	4.00	4.5	1.3	3.44	4.5	1.4	3.14	4.4	1.6	2.77	4.3	1.8	2.47
35	5.2	0.9	6.10	5.1	1.1	4.82	5.0	1.2	4.15	5.0	1.3	3.79	4.9	1.5	3.34	4.9	1.6	2.98
30	5.4	0.8	6.86	5.3	1.0	5.42	5.2	1.1	4.67	5.2	1.2	4.26	5.1	1.4	3.76	5.0	1.5	3.35
25	5.3	0.7	7.39	5.2	0.9	5.84	5.1	1.0	5.02	5.1	1.1	4.58	5.0	1.2	4.04	4.9	1.4	3.61
20	5.0	0.6	7.74	4.9	0.8	6.11	4.9	0.9	5.26	4.8	1.0	4.80	4.8	1.1	4.23	4.7	1.2	3.78
15	4.6	0.6	8.00	4.6	0.7	6.32	4.5	0.8	5.44	4.5	0.9	4.96	4.4	1.0	4.38	4.3	1.1	3.91
10	4.3	0.5	8.32	4.2	0.6	6.57	4.1	0.7	5.65	4.1	0.8	5.16	4.0	0.9	4.55			
5	4.0	0.4	8.91	3.9	0.6	7.04	3.9	0.6	6.06	3.8	0.7	5.53	3.8	0.8	4.88			
0	3.8	0.4	10.17	3.8	0.5	8.03	3.7	0.5	6.91	3.7	0.6	6.31	3.6	0.7	5.57			
-5	4.0	0.4	11.05	3.9	0.4	10.11	3.9	0.4	8.70	3.8	0.5	7.94	3.8	0.5	7.00			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

7kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	4.6	1.2	3.71	4.5	1.6	2.82	4.5	1.9	2.39	4.5	2.1	2.16	4.5	2.4	1.89	4.4	2.6	1.68
40	5.8	1.1	5.07	5.8	1.5	3.86	5.7	1.8	3.26	5.7	1.9	2.96	5.7	2.2	2.59	5.6	2.5	2.30
35	6.5	1.1	6.11	6.5	1.4	4.65	6.4	1.6	3.94	6.4	1.8	3.57	6.3	2.0	3.12	6.3	2.3	2.77
30	6.7	1.0	6.87	6.7	1.3	5.23	6.6	1.5	4.43	6.6	1.6	4.01	6.6	1.9	3.51	6.5	2.1	3.12
25	6.6	0.9	7.40	6.6	1.2	5.63	6.5	1.4	4.76	6.5	1.5	4.32	6.5	1.7	3.78	6.4	1.9	3.35
20	6.3	0.8	7.75	6.2	1.1	5.90	6.2	1.2	4.99	6.2	1.4	4.52	6.1	1.5	3.96	6.1	1.7	3.51
15	5.8	0.7	8.01	5.8	0.9	6.10	5.7	1.1	5.16	5.7	1.2	4.67	5.7	1.4	4.09	5.6	1.6	3.63
10	5.3	0.6	8.33	5.3	0.8	6.34	5.3	1.0	5.36	5.2	1.1	4.86	5.2	1.2	4.25			
5	5.0	0.6	8.93	4.9	0.7	6.79	4.9	0.9	5.75	4.9	0.9	5.21	4.9	1.1	4.56			
0	4.8	0.5	9.10	4.8	0.6	7.75	4.8	0.7	6.56	4.7	0.8	5.94	4.7	0.9	5.20			
-5	5.0	0.5	10.39	4.9	0.5	9.75	4.9	0.6	8.25	4.9	0.7	7.48	4.9	0.7	6.54			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

9kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	5.7	1.8	3.23	5.6	2.2	2.52	5.5	2.6	2.16	5.5	2.8	1.96	5.4	3.1	1.73	5.3	3.5	1.53
40	7.3	1.7	4.41	7.2	2.1	3.45	7.1	2.4	2.95	7.0	2.6	2.68	6.9	2.9	2.36	6.8	3.2	2.10
35	8.1	1.5	5.33	8.0	1.9	4.16	7.9	2.2	3.56	7.8	2.4	3.24	7.7	2.7	2.85	7.6	3.0	2.53
30	8.4	1.4	5.99	8.3	1.8	4.68	8.2	2.0	4.00	8.1	2.2	3.64	8.0	2.5	3.20	7.9	2.8	2.85
25	8.3	1.3	6.45	8.1	1.6	5.04	8.0	1.9	4.31	8.0	2.0	3.92	7.9	2.3	3.45	7.7	2.5	3.06
20	7.9	1.2	6.75	7.7	1.5	5.27	7.6	1.7	4.51	7.6	1.8	4.11	7.4	2.1	3.61	7.3	2.3	3.21
15	7.3	1.0	6.98	7.2	1.3	5.45	7.1	1.5	4.66	7.0	1.6	4.25	6.9	1.8	3.73	6.8	2.1	3.32
10	6.7	0.9	7.26	6.6	1.2	5.67	6.5	1.3	4.85	6.4	1.5	4.41	6.3	1.6	3.88			
5	6.2	0.8	7.78	6.1	1.0	6.08	6.0	1.2	5.20	6.0	1.3	4.73	5.9	1.4	4.16			
0	6.0	0.7	8.87	5.9	0.9	6.93	5.8	1.0	5.93	5.8	1.1	5.40	5.7	1.2	4.74			
-5	6.2	0.6	9.91	6.1	0.7	8.73	6.0	0.8	7.46	6.0	0.9	6.79	5.9	1.0	5.97			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

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12kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	8.9	2.5	3.63	8.6	3.0	2.90	8.3	3.3	2.50	8.2	3.6	2.28	7.9	4.0	2.00	7.7	4.3	1.77
40	11.3	2.3	4.96	10.9	2.8	3.96	10.6	3.1	3.42	10.4	3.3	3.11	10.1	3.7	2.73	9.8	4.0	2.42
35	12.7	2.1	5.98	12.2	2.6	4.78	11.8	2.9	4.12	11.6	3.1	3.76	11.3	3.4	3.30	10.9	3.7	2.92
30	13.1	2.0	6.72	12.6	2.3	5.38	12.3	2.6	4.63	12.0	2.8	4.22	11.7	3.1	3.71	11.3	3.4	3.28
25	12.9	1.8	7.24	12.4	2.1	5.79	12.1	2.4	4.99	11.8	2.6	4.55	11.5	2.9	3.99	11.1	3.1	3.53
20	12.2	1.6	7.58	11.8	1.9	6.06	11.4	2.2	5.22	11.2	2.4	4.76	10.9	2.6	4.18	10.5	2.8	3.70
15	11.3	1.4	7.84	10.9	1.7	6.27	10.6	2.0	5.40	10.4	2.1	4.92	10.1	2.3	4.32	9.8	2.6	3.82
10	10.4	1.3	8.15	10.0	1.5	6.52	9.7	1.7	5.61	9.5	1.9	5.12	9.3	2.1	4.49			
5	9.7	1.1	8.73	9.3	1.3	6.98	9.1	1.5	6.02	8.9	1.6	5.48	8.6	1.8	4.81			
0	9.4	0.9	9.96	9.0	1.1	7.97	8.8	1.3	6.86	8.6	1.4	6.26	8.3	1.5	5.49			
-5	9.7	0.9	10.91	9.4	0.9	10.03	9.1	1.1	8.64	8.9	1.1	7.88	8.6	1.2	6.91			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

14kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	10.1	3.0	3.42	9.8	3.6	2.73	9.6	4.1	2.36	9.5	4.4	2.15	9.3	4.9	1.90	9.1	5.4	1.69
40	12.9	2.8	4.67	12.5	3.4	3.73	12.3	3.8	3.22	12.1	4.1	2.94	11.8	4.6	2.59	11.5	5.0	2.31
35	14.4	2.6	5.64	14.0	3.1	4.50	13.7	3.5	3.88	13.5	3.8	3.55	13.2	4.2	3.13	12.9	4.6	2.78
30	14.9	2.4	6.34	14.5	2.9	5.06	14.2	3.2	4.37	14.0	3.5	3.99	13.7	3.9	3.52	13.4	4.3	3.13
25	14.7	2.1	6.82	14.3	2.6	5.45	14.0	3.0	4.70	13.8	3.2	4.29	13.4	3.6	3.78	13.1	3.9	3.37
20	13.9	1.9	7.15	13.5	2.4	5.71	13.2	2.7	4.92	13.0	2.9	4.50	12.8	3.2	3.96	12.5	3.5	3.52
15	12.9	1.7	7.39	12.5	2.1	5.90	12.3	2.4	5.09	12.1	2.6	4.65	11.8	2.9	4.10	11.5	3.2	3.64
10	11.8	1.5	7.68	11.5	1.9	6.13	11.3	2.1	5.29	11.1	2.3	4.83	10.9	2.5	4.26			
5	11.0	1.3	8.23	10.7	1.6	6.57	10.5	1.8	5.67	10.3	2.0	5.18	10.1	2.2	4.57			
0	10.7	1.1	9.39	10.4	1.4	7.50	10.2	1.6	6.47	10.0	1.7	5.91	9.8	1.9	5.21			
-5	11.0	1.1	10.03	10.7	1.1	9.44	10.5	1.3	8.14	10.3	1.4	7.44	10.1	1.5	6.56			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

16kW cooling capacity

Outdoor air temp.	LWT (°C)																	
	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	11.3	3.6	3.18	10.9	4.2	2.58	10.6	4.7	2.24	10.3	5.0	2.05	10.0	5.5	1.81	9.7	6.0	1.61
40	14.4	3.3	4.35	13.9	3.9	3.53	13.5	4.4	3.06	13.2	4.7	2.80	12.8	5.2	2.47	12.3	5.6	2.20
35	16.1	3.1	5.24	15.5	3.6	4.26	15.0	4.1	3.70	14.7	4.4	3.38	14.3	4.8	2.98	13.8	5.2	2.65
30	16.7	2.8	5.90	16.1	3.4	4.79	15.6	3.7	4.16	15.3	4.0	3.81	14.8	4.4	3.36	14.3	4.8	2.98
25	16.4	2.6	6.35	15.8	3.1	5.15	15.3	3.4	4.47	15.0	3.7	4.10	14.5	4.0	3.61	14.1	4.4	3.21
20	15.6	2.3	6.65	15.0	2.8	5.39	14.5	3.1	4.68	14.2	3.3	4.29	13.8	3.6	3.78	13.3	4.0	3.36
15	14.4	2.1	6.87	13.9	2.5	5.58	13.5	2.8	4.84	13.2	3.0	4.43	12.8	3.3	3.91	12.4	3.6	3.47
10	13.3	1.9	7.15	12.7	2.2	5.80	12.4	2.5	5.04	12.1	2.6	4.61	11.7	2.9	4.07			
5	12.3	1.6	7.66	11.9	1.9	6.21	11.5	2.1	5.40	11.3	2.3	4.94	10.9	2.5	4.36			
0	11.9	1.4	8.74	11.5	1.6	7.09	11.1	1.8	6.16	10.9	1.9	5.64	10.6	2.1	4.97			
-5	12.4	1.3	9.50	11.9	1.3	8.92	11.5	1.5	7.75	11.3	1.6	7.09	10.9	1.7	6.26			

Abbreviations:
LWT: Leaving water temperature (°C)
CC: Total cooling capacity (kW)
PI: Power input (kW)

12kW P3 cooling capacity

Outdoor	LWT (°C)																	
air temp.	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	8.9	2.5	3.63	8.6	3.0	2.90	8.3	3.3	2.50	8.2	3.6	2.28	7.9	4.0	2.00	7.7	4.3	1.77
40	11.3	2.3	4.96	10.9	2.8	3.96	10.6	3.1	3.42	10.4	3.3	3.11	10.1	3.7	2.73	9.8	4.0	2.42
35	12.7	2.1	5.98	12.2	2.6	4.78	11.8	2.9	4.12	11.6	3.1	3.76	11.3	3.4	3.30	10.9	3.7	2.92
30	13.1	2.0	6.72	12.6	2.3	5.38	12.3	2.6	4.63	12.0	2.8	4.22	11.7	3.1	3.71	11.3	3.4	3.28
25	12.9	1.8	7.24	12.4	2.1	5.79	12.1	2.4	4.99	11.8	2.6	4.55	11.5	2.9	3.99	11.1	3.1	3.53
20	12.2	1.6	7.58	11.8	1.9	6.06	11.4	2.2	5.22	11.2	2.4	4.76	10.9	2.6	4.18	10.5	2.8	3.70
15	11.3	1.4	7.84	10.9	1.7	6.27	10.6	2.0	5.40	10.4	2.1	4.92	10.1	2.3	4.32	9.8	2.6	3.82
10	10.4	1.3	8.15	10.0	1.5	6.52	9.7	1.7	5.61	9.5	1.9	5.12	9.3	2.1	4.49			
5	9.7	1.1	8.73	9.3	1.3	6.98	9.1	1.5	6.02	8.9	1.6	5.48	8.6	1.8	4.81			
0	9.4	0.9	9.96	9.0	1.1	7.97	8.8	1.3	6.86	8.6	1.4	6.26	8.3	1.5	5.49			
-5	9.7	0.9	10.91	9.4	0.9	10.03	9.1	1.1	8.64	8.9	1.1	7.88	8.6	1.2	6.91			

Abbreviations:

T_{amb}: Outdoor air temperature (°C)

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (kW)

PI: Power input (kW)

14kW P3 cooling capacity

Outdoor	LWT (°C)																	
air temp.	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	10.1	3.0	3.42	9.8	3.6	2.73	9.6	4.1	2.36	9.5	4.4	2.15	9.3	4.9	1.90	9.1	5.4	1.69
40	12.9	2.8	4.67	12.5	3.4	3.73	12.3	3.8	3.22	12.1	4.1	2.94	11.8	4.6	2.59	11.5	5.0	2.31
35	14.4	2.6	5.64	14.0	3.1	4.50	13.7	3.5	3.88	13.5	3.8	3.55	13.2	4.2	3.13	12.9	4.6	2.78
30	14.9	2.4	6.34	14.5	2.9	5.06	14.2	3.2	4.37	14.0	3.5	3.99	13.7	3.9	3.52	13.4	4.3	3.13
25	14.7	2.1	6.82	14.3	2.6	5.45	14.0	3.0	4.70	13.8	3.2	4.29	13.4	3.6	3.78	13.1	3.9	3.37
20	13.9	1.9	7.15	13.5	2.4	5.71	13.2	2.7	4.92	13.0	2.9	4.50	12.8	3.2	3.96	12.5	3.5	3.52
15	12.9	1.7	7.39	12.5	2.1	5.90	12.3	2.4	5.09	12.1	2.6	4.65	11.8	2.9	4.10	11.5	3.2	3.64
10	11.8	1.5	7.68	11.5	1.9	6.13	11.3	2.1	5.29	11.1	2.3	4.83	10.9	2.5	4.26			
5	11.0	1.3	8.23	10.7	1.6	6.57	10.5	1.8	5.67	10.3	2.0	5.18	10.1	2.2	4.57			
0	10.7	1.1	9.39	10.4	1.4	7.50	10.2	1.6	6.47	10.0	1.7	5.91	9.8	1.9	5.21			
-5	11.0	1.1	10.03	10.7	1.1	9.44	10.5	1.3	8.14	10.3	1.4	7.44	10.1	1.5	6.56			

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (kW)

PI: Power input (kW)

16kW P3 cooling capacity

Outdoor	LWT (°C)																	
air temp.	22			18			15			13			10			7		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	11.3	3.6	3.18	10.9	4.2	2.58	10.6	4.7	2.24	10.3	5.0	2.05	10.0	5.5	1.81	9.7	6.0	1.61
40	14.4	3.3	4.35	13.9	3.9	3.53	13.5	4.4	3.06	13.2	4.7	2.80	12.8	5.2	2.47	12.3	5.6	2.20
35	16.1	3.1	5.24	15.5	3.6	4.26	15.0	4.1	3.70	14.7	4.4	3.38	14.3	4.8	2.98	13.8	5.2	2.65
30	16.7	2.8	5.90	16.1	3.4	4.79	15.6	3.7	4.16	15.3	4.0	3.81	14.8	4.4	3.36	14.3	4.8	2.98
25	16.4	2.6	6.35	15.8	3.1	5.15	15.3	3.4	4.47	15.0	3.7	4.10	14.5	4.0	3.61	14.1	4.4	3.21
20	15.6	2.3	6.65	15.0	2.8	5.39	14.5	3.1	4.68	14.2	3.3	4.29	13.8	3.6	3.78	13.3	4.0	3.36
15	14.4	2.1	6.87	13.9	2.5	5.58	13.5	2.8	4.84	13.2	3.0	4.43	12.8	3.3	3.91	12.4	3.6	3.47
10	13.3	1.9	7.15	12.7	2.2	5.80	12.4	2.5	5.04	12.1	2.6	4.61	11.7	2.9	4.07			
5	12.3	1.6	7.66	11.9	1.9	6.21	11.5	2.1	5.40	11.3	2.3	4.94	10.9	2.5	4.36			
0	11.9	1.4	8.74	11.5	1.6	7.09	11.1	1.8	6.16	10.9	1.9	5.64	10.6	2.1	4.97			
-5	12.4	1.3	9.50	11.9	1.3	8.92	11.5	1.5	7.75	11.3	1.6	7.09	10.9	1.7	6.26			

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (kW)

PI: Power input (kW)