

### 3 Capacity tables

#### 3 - 1 Heating/ Cooling capacity tables

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##### COOLING

Model	Tamb (°C)	20		25		30		35		40		43	
		CC	PI	CC	PI	CC	PI	CC	PI	CC	PI	CC	PI
006	7	6.01	1.56	5.73	1.75	5.43	1.95	5.12	2.16	4.80	2.39	4.59	2.53
	11	6.81	1.57	6.50	1.77	6.17	1.98	5.83	2.21	5.30	2.32	4.98	2.38
	13	7.23	1.57	6.90	1.78	6.56	2.00	6.20	2.23	5.56	2.28	5.18	2.30
	16	7.88	1.56	7.54	1.78	7.17	2.01	6.79	2.26	5.95	2.22	5.46	2.18
	20	8.80	1.55	8.42	1.79	8.03	2.03	7.63	2.29	6.48	2.13	5.82	1.99
007	7	7.15	2.05	6.84	2.28	6.50	2.52	6.13	2.77	5.35	2.68	4.89	2.59
	11	8.09	2.09	7.73	2.34	7.34	2.59	6.94	2.87	5.84	2.62	5.21	2.43
	13	8.57	2.11	8.20	2.36	7.79	2.63	7.36	2.91	6.09	2.59	5.36	2.34
	16	9.33	2.13	8.92	2.40	8.49	2.68	8.03	2.97	6.46	2.53	5.57	2.20
	20	10.4	2.16	9.9	2.44	9.48	2.73	8.99	3.04	6.96	2.44	5.82	1.99
008	7	8.24	2.43	7.90	2.68	7.52	2.94	7.10	3.23	5.68	2.86	4.87	2.59
	11	9.26	2.49	8.87	2.76	8.45	3.05	7.79	3.31	6.12	2.80	5.18	2.43
	13	9.79	2.52	9.38	2.80	8.93	3.10	8.14	3.36	6.34	2.77	5.33	2.35
	16	10.6	2.57	10.17	2.86	9.69	3.17	8.68	3.41	6.67	2.71	5.55	2.20
	20	11.7	2.63	11.3	2.94	10.75	3.26	9.39	3.48	7.09	2.61	5.80	1.99

##### HEATING (Peak values)

Model	LWC	30		35		40		45		50	
		HC	PI	HC	PI	HC	PI	HC	PI	HC	PI
006	-15	3.93	1.48	3.67	1.59	3.47	1.71	3.33	1.84	3.25	1.99
	-10	4.65	1.52	4.32	1.65	4.07	1.79	3.89	1.94	3.78	2.10
	-7	5.14	1.54	4.77	1.68	4.49	1.83	4.28	1.99	4.15	2.16
	-2	6.06	1.57	5.62	1.72	5.28	1.88	5.03	2.06	4.87	2.25
	2	6.89	1.57	6.38	1.74	6.00	1.91	5.72	2.11	5.53	2.31
	7	8.03	1.57	7.45	1.75	7.00	1.94	6.68	2.15	6.47	2.37
007	-15	4.87	1.82	4.62	1.94	4.43	2.08	4.30	2.23	4.24	2.40
	-10	5.67	1.88	5.34	2.02	5.09	2.18	4.92	2.36	4.82	2.55
	-7	6.21	1.91	5.83	2.07	5.55	2.24	5.35	2.42	5.23	2.63
	-2	7.23	1.95	6.77	2.13	6.42	2.32	6.17	2.52	6.02	2.75
	2	8.14	1.97	7.61	2.16	7.21	2.37	6.92	2.59	6.74	2.83
	7	9.40	1.98	8.79	2.19	8.32	2.42	7.98	2.66	7.78	2.92
008	-15	5.42	2.06	5.16	2.19	4.97	2.34	4.86	2.51	4.80	2.70
	-10	6.27	2.13	5.93	2.29	5.68	2.46	5.51	2.65	5.42	2.86
	-7	6.84	2.17	6.46	2.34	6.17	2.53	5.97	2.73	5.86	2.95
	-2	7.92	2.22	7.45	2.41	7.10	2.62	6.85	2.85	6.70	3.10
	2	8.9	2.26	8.35	2.46	7.93	2.69	7.65	2.93	7.47	3.20
	7	10.2	2.28	9.58	2.51	9.10	2.76	8.76	3.02	8.56	3.31

##### HEATING (integrated values\*)

Model	LWC	30		35		40		45		50	
		HC	PI	HC	PI	HC	PI	HC	PI	HC	PI
006	-15	3.50	1.40	3.27	1.51	3.09	1.62	2.97	1.75	2.89	1.89
	-10	4.14	1.45	3.85	1.56	3.62	1.70	3.46	1.84	3.36	2.00
	-7	4.52	1.45	4.20	1.58	3.95	1.72	3.77	1.87	3.65	2.03
	-2	5.27	1.46	4.89	1.60	4.59	1.75	4.38	1.92	4.24	2.10
	2	5.92	1.45	5.49	1.60	5.16	1.76	4.92	1.94	4.76	2.13
	7	8.03	1.57	7.45	1.75	7.00	1.94	6.68	2.15	6.47	2.37
007	-15	4.34	1.73	4.11	1.85	3.94	1.98	3.83	2.12	3.77	2.28
	-10	5.04	1.79	4.75	1.92	4.53	2.07	4.38	2.24	4.29	2.42
	-7	5.46	1.80	5.13	1.94	4.88	2.10	4.71	2.28	4.60	2.47
	-2	6.29	1.81	5.89	1.98	5.59	2.15	5.37	2.35	5.23	2.56
	2	7.00	1.81	6.55	1.99	6.20	2.18	5.96	2.38	5.80	2.61
	7	9.40	1.98	8.79	2.19	8.32	2.42	7.98	2.66	7.78	2.92
008	-15	4.82	1.96	4.59	2.08	4.43	2.23	4.32	2.39	4.27	2.56
	-10	5.58	2.03	5.28	2.17	5.06	2.34	4.91	2.52	4.82	2.72
	-7	6.02	2.04	5.69	2.20	5.43	2.37	5.26	2.57	5.15	2.78
	-2	6.89	2.07	6.48	2.25	6.17	2.44	5.96	2.65	5.83	2.88
	2	7.6	2.08	7.18	2.27	6.82	2.47	6.58	2.70	6.43	2.94
	7	10.2	2.28	9.58	2.51	9.10	2.76	8.76	3.02	8.56	3.31

\* The integrated heating capacity and power input, is the average heating capacity and power input during 1 cycle. (from end of defrost till end of the next defrost).

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##### SYMBOLS

CC	: Cooling capacity at maximum operating frequency, measured acc. Eurovent 6/C/003-2006 (kW)
HC	: Heating capacity at maximum operating frequency, measured acc. Eurovent 6/C/003-2006 (kW)
PI	: Power input (kW)
LWE	: Leaving Water Evaporator temperature (°C)
LWC	: Leaving Water Condenser temperature (°C)
Tamb	: Ambient temperature (°C) RH=85%

##### NOTES

- Cooling capacity**  
Capacity is according to Eurovent rating standard 6/C/003-2006 and valid for chilled water range Dt = 3–8°C
- Heating capacity**  
Capacity is according to Eurovent rating standard 6/C/003-2006 and valid for chilled water range Dt = 3–8°C
- Power input**  
Power input is total input according to Eurovent rating standard 6/C/003-2006

### 3 Capacity tables

#### 3 - 1 Heating capacity tables

## ERHQ011-016AA

### MAXIMUM HEATING CAPACITY - PEAK VALUES

LWC Tamb	30		35		40		45		50		55	
	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI
-20	5.66	2.17	5.46	2.37	5.44	2.61	7.50	3.02	8.18	3.36	8.72	3.77
-15	6.48	2.21	6.25	2.42	6.17	2.67	8.57	3.05	9.10	3.38	9.53	3.82
-7	8.04	2.24	7.74	2.46	7.63	2.72	9.52	3.06	9.94	3.42	10.9	3.81
2	10.2	2.23	9.81	2.47	9.68	2.74	10.3	3.05	10.3	3.41	10.9	3.81
7	11.6	2.21	11.2	2.46	10.8	2.72	11.8	3.04	11.3	3.40	11.7	3.81
12	13.1	2.18	12.7	2.43	12.2	2.72	12.7	3.03	12.2	3.40	11.7	3.81
15	14.1	2.15	13.6	2.41	13.2	2.70	12.7	3.03	12.2	3.40	11.7	3.81
20	15.9	2.10	15.4	2.36	14.9	2.65	14.4	2.99	13.8	3.37	13.3	3.78
-20	7.24	2.72	7.14	2.97	7.05	3.26	9.25	3.79	10.4	4.14	11.1	4.62
-15	8.19	2.78	8.01	3.04	7.85	3.34	9.25	3.79	10.4	4.14	11.1	4.62
-7	10.1	2.64	9.78	3.11	9.51	3.43	10.7	3.74	11.4	4.17	12.3	4.77
2	11.5	2.67	11.1	3.14	11.1	3.47	11.8	3.76	11.4	4.17	12.3	4.77
7	12.7	2.67	12.3	3.16	12.2	3.49	11.8	3.68	12.7	4.30	13.9	4.79
12	14.4	2.68	14.0	3.17	13.5	3.50	14.9	3.69	14.4	4.32	15.0	4.80
15	16.3	2.66	15.9	3.16	15.4	3.50	16.0	3.69	15.5	4.32	15.0	4.80
20	19.9	2.62	19.3	3.13	18.7	3.48	18.1	3.67	17.5	4.31	17.0	4.80
-20	8.35	3.25	8.31	3.54	8.27	3.89	10.9	4.52	12.0	5.08	11.9	5.35
-15	9.38	3.33	9.33	3.63	9.28	3.98	11.1	4.10	12.2	4.58	13.1	5.11
-7	11.5	3.42	11.3	3.73	11.1	4.10	10.9	4.52	12.0	5.08	11.9	5.35
2	13.0	3.46	12.7	3.78	12.5	4.15	13.5	4.52	13.1	5.11	13.4	5.40
7	14.4	3.48	14.1	3.81	13.8	4.19	13.5	4.52	13.1	5.11	13.4	5.40
12	16.3	3.50	16.0	3.83	15.6	4.22	15.2	4.66	14.8	5.15	15.1	5.44
15	18.5	3.51	18.1	3.85	17.6	4.24	17.2	4.69	16.7	5.18	15.1	5.44
20	22.5	3.50	22.0	3.85	21.4	4.25	20.8	4.70	20.3	5.21	18.7	5.77

### MAXIMUM HEATING CAPACITY - INTEGRATED VALUE

LWC Tamb	30		35		40		45		50		55	
	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI
-20	5.04	2.17	4.88	2.37	4.84	2.61	6.43	3.02	6.63	3.17	6.99	3.64
-15	5.77	2.21	5.56	2.42	5.49	2.67	6.43	3.02	6.63	3.17	6.99	3.64
-7	6.89	2.24	6.63	2.46	6.54	2.72	6.94	2.87	7.29	3.26	7.53	3.82
2	8.16	2.16	7.86	2.39	7.75	2.65	7.63	2.86	7.94	3.42	8.31	3.81
7	11.6	2.21	11.2	2.46	10.8	2.72	11.8	3.04	11.3	3.41	11.7	3.81
12	13.1	2.18	12.7	2.43	12.2	2.72	12.7	3.03	12.2	3.40	11.7	3.81
15	14.1	2.15	13.6	2.41	13.2	2.70	12.7	3.03	12.2	3.40	11.7	3.81
20	15.9	2.10	15.4	2.36	14.9	2.65	14.4	2.99	13.8	3.37	13.3	3.78
-20	6.45	2.72	6.35	2.97	6.28	3.26	8.38	3.79	8.58	4.14	8.73	4.47
-15	7.29	2.78	7.13	3.04	6.99	3.34	7.42	3.79	7.62	4.03	7.33	4.77
-7	8.06	2.84	7.84	3.11	7.62	3.43	7.42	3.79	7.62	4.03	7.33	4.77
2	9.27	2.70	9.00	2.68	8.95	3.26	8.65	3.52	8.38	3.90	8.73	4.47
7	10.0	2.78	9.71	3.05	9.65	3.37	9.32	3.64	9.02	4.03	12.3	4.77
12	11.6	2.88	11.3	3.17	11.1	3.50	10.8	3.68	10.5	4.32	13.9	4.79
15	13.3	2.86	12.9	3.16	12.4	3.50	12.1	3.69	11.8	4.32	15.0	4.80
20	17.6	2.85	17.1	3.15	16.5	3.50	16.0	3.69	15.5	4.32	17.0	4.80
-20	7.44	3.25	7.39	3.54	7.36	3.89	9.38	4.41	9.58	4.77	9.91	4.84
-15	8.35	3.33	8.30	3.63	8.26	3.98	10.1	4.41	10.2	4.62	10.5	5.40
-7	8.91	3.34	8.77	3.64	8.63	4.00	9.91	4.31	10.4	4.18	10.2	4.62
2	10.5	3.26	10.3	3.56	10.1	3.91	10.4	4.18	10.2	4.62	10.5	5.40
7	11.1	3.15	10.9	3.45	10.6	3.79	10.4	4.18	10.2	4.62	10.5	5.40
12	12.7	3.50	12.4	3.83	12.1	4.22	11.8	4.24	11.2	4.69	12.3	4.77
15	14.1	3.51	13.8	3.85	13.5	4.24	12.7	4.69	12.3	4.77	12.7	4.69
20	22.5	3.50	22.0	3.85	21.4	4.25	20.8	4.70	20.3	5.21	18.7	5.77

#### Symbols

- CC Cooling capacity at maximum operating frequency, measured acc. Eurovent 6/C/003-2006 [kW]
- HC Heating capacity at maximum operating frequency, measured acc. Eurovent 6/C/003-2006 [kW]
- PI Power input [kW], measured acc. Eurovent 6/C/003-2006 [kW]
- LWE Leaving Water Evaporator temperature [°C]
- LWC Leaving Water Condenser temperature [°C]
- Tamb Ambient temperature [°C] RH=85%

#### Conditions

1. Cooling capacity  
Capacity is according to Eurovent rating standard 6/C/003-2006 and valid for chilled water range D1 = 3-8°C
2. Heating capacity  
Capacity is according to Eurovent rating standard 6/C/003-2006 and valid for chilled water range D1 = 3-8°C
3. Power input  
Power input is total input of indoor and outdoor unit, except the circulation pump; according to Eurovent rating standard 6/C/003-2006  
Pump power input to be added=90W (according EN14511)

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### 3 Capacity tables

#### 3 - 2 Cooling capacity tables

## ERHQ011-016AA

### MAXIMUM COOLING CAPACITY

Tamb LWE	20		25		30		35		40		45		
	CC	PI	CC	PI	CC	PI	CC	PI	CC	PI	CC	PI	
ERHQ11	7	11,7	2,56	11,2	2,86	10,6	3,21	10,0	3,60	9,39	4,03	8,75	4,50
	10	12,9	2,58	12,3	2,89	11,6	3,25	11,0	3,65	10,3	4,09	9,65	4,58
	13	14,1	2,59	13,4	2,92	12,8	3,29	12,1	3,70	11,3	4,15	10,6	4,65
	15	14,9	2,60	14,2	2,93	13,5	3,31	12,8	3,73	12,0	4,20	11,3	4,70
	18	16,2	2,61	15,5	2,96	14,7	3,35	13,9	3,79	13,1	4,26	12,3	4,78
ERHQ14	7	14,5	3,85	13,9	4,27	13,2	4,75	12,5	5,29	11,7	5,90	11,1	5,92
	10	16,0	3,94	15,3	4,37	14,6	4,86	13,7	5,42	12,9	6,04	11,2	5,46
	13	17,6	4,02	16,8	4,47	15,9	4,98	15,0	5,55	14,1	6,18	11,9	5,04
	15	18,6	4,08	17,8	4,54	16,9	5,06	15,9	5,64	14,9	6,28	12,2	4,79
	18	20,2	4,17	19,3	4,65	18,4	5,18	17,3	5,78	16,2	6,44	12,9	4,42
ERHQ16	7	22,5	4,29	21,5	4,80	20,4	5,36	19,3	5,98	17,0	6,75	15,1	5,92
	10	23,3	4,37	22,2	4,84	21,0	5,37	19,7	5,95	17,0	6,59	15,1	5,92
	13	23,3	4,48	22,2	4,97	21,0	5,51	19,7	6,11	17,0	6,75	15,1	5,92
	15	23,3	4,60	22,2	5,10	21,0	5,66	19,7	6,27	17,0	6,93	15,1	5,92
	18	23,3	4,97	22,2	5,52	21,0	6,12	19,7	6,77	17,0	7,04	15,1	5,92

#### Symbols

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- HC Heating capacity at maximum operating frequency, measured acc. Eurovent 6/C/003-2006 [kW]
- PI Power input [kW], measured acc. Eurovent 6/C/003-2006 [kW]
- LWE Leaving Water Evaporator temperature [°C]
- LWC Leaving Water Condensor temperature [°C]
- Tamb Ambient temperature [°C] RH=85%

#### Conditions

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2. Heating capacity  
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3. Power input  
Power input is total input of indoor and outdoor unit, except the circulation pump; according to Eurovent rating standard 6/C/003-2006  
Pump power input to be added=90W (according EN14511)

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