

Nominal heating capacity

Tamb	°C(DB)		-15		-10		-7		-2		2		7		15	
	Size	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI	HC	PI	HC
30	20	17.1	7.12	20.3	7.30	20.8	6.88	20.8	5.99	20.8	5.36	20.8	4.88	20.8	3.70	
	32	29.9	12.5	31.2	11.6	31.2	10.6	31.2	9.34	31.2	8.48	31.2	7.30	31.2	5.93	
	40	35.5	14.5	40.7	14.8	41.7	14.0	41.7	12.2	41.7	10.9	41.7	10.0	41.7	7.79	
	64	60.0	25.1	62.7	23.2	62.7	21.3	62.7	18.8	62.7	17.0	62.7	14.7	62.7	11.9	
35	20	17.6	7.84	20.1	8.03	20.8	7.73	20.8	6.69	20.8	6.02	20.8	5.49	20.8	4.29	
	32	30.1	13.8	31.2	12.9	31.2	11.7	31.2	10.4	31.2	9.54	31.2	8.21	31.2	6.79	
	40	35.5	15.9	40.4	16.3	41.7	15.7	41.7	13.6	41.7	12.3	41.7	11.2	41.7	8.79	
	64	60.5	27.7	62.7	25.9	62.7	23.6	62.7	20.9	62.7	19.2	62.7	16.5	62.7	13.5	
40	20	17.6	8.69	19.9	8.88	20.8	8.74	20.8	7.65	20.8	6.85	20.8	6.01	20.8	5.05	
	32	30.2	15.3	31.2	14.3	31.2	13.0	31.2	11.7	31.2	10.7	31.2	9.29	31.2	7.64	
	40	35.3	17.6	39.9	18.0	41.7	17.7	41.7	15.5	41.7	13.9	41.7	12.2	41.7	10.3	
	64	60.6	30.8	62.7	28.7	62.7	26.1	62.7	23.6	62.7	21.5	62.7	18.7	62.7	15.4	
45	20	17.4	9.68	19.6	9.87	20.8	9.84	20.8	8.62	20.8	7.80	20.8	6.76	20.8	5.76	
	32	30.1	17.1	31.2	16.0	31.2	14.8	31.2	13.4	31.2	12.4	31.2	10.6	31.2	8.72	
	40	35.0	19.6	39.3	20.0	41.7	19.9	41.7	17.5	41.7	15.8	41.7	13.7	41.7	11.7	
	64	60.4	34.3	62.7	32.2	62.7	29.7	62.7	26.9	62.7	25.0	62.7	21.4	62.7	17.5	
50	20	17.2	10.8	17.6	9.80	17.7	9.80	17.8	8.31	18.1	7.68	18.3	6.86	18.7	5.66	
	32	28.8	16.6	26.9	15.3	27.1	14.4	27.5	12.9	27.6	11.7	27.9	10.4	28.1	8.73	
	40	34.5	21.8	35.3	19.9	35.5	19.9	35.6	16.8	36.3	15.6	36.8	14.0	37.6	11.5	
	64	53.7	33.3	54.1	30.6	54.4	29.0	55.2	25.9	55.5	23.4	56.0	20.9	56.3	17.5	

Note 1.:

The heating capacity does not include the capacity drop that occurs during a frosting period and defrost operation.

The integrated heating capacity takes into account the capacity drop that occurs during a frosting period and defrost operation.

Integrated heating capacity = (HC) * (integrated correction factor during frosting period)

The integrated heating capacity is the heating capacity for a single cycle (from one defrost operation to the next), integrated and converted to heating capacity per hour.

Integrated correction factor

Ambient temperature: RH (heating) = 85%							
Correction factor	Size	-15	-10	-7	-2	2	7
	20	0.87	0.83	0.80	0.83	0.85	1.00
	32	0.88	0.84	0.82	0.85	0.86	1.00
	40	0.87	0.83	0.80	0.83	0.85	1.00
	64	0.88	0.84	0.82	0.85	0.86	1.00

Note 2:

The heating capacity varies according to the outdoor temperature (°C DB), relative humidity (RH) and the frosting volume. If the surface of the heat exchanger is covered with snow, the heating capacity drops temporarily.

Symbols	
HC :	Heating capacity [kW]
PI :	Power input [kW]
LWC :	Leaving water condensor temperature [°C]
Tamb :	Ambient temperature [°C]

Notes :

1. **Heating capacity**
Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.
2. **Power input [kW]**
The power input is the total input according to EN 14511:2013.

Integrated heating capacity graph

