

M thermal Arctic Mono



5 Capacity Tables

5.1 Heating Capacity Tables (Test standard: EN14511)

Table 2-5.1: MHC-V18W/D2RN8 heating capacity - peak values¹

Outdoor air temp. °C DB	LWT (°C)																				
	30			35			40			45			50			55			60		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	10191	6401	1.59	9069	6788	1.34															
-20.0	12939	6013	2.15	11515	6376	1.81	10091	6739	1.50												
-15.0	20078	7699	2.61	19027	8151	2.33	17841	9048	1.97	15171	9112	1.66	12715	9070	1.40						
-10	22882	8635	2.65	21871	8832	2.48	21232	9533	2.23	18785	9369	2.01	16482	9128	1.81	9437	8390	1.12	6282	5554	1.13
-7.0	24296	8831	2.75	23577	9241	2.55	23266	9824	2.37	20360	9253	2.20	18743	9163	2.05	10735	8784	1.22	8565	7170	1.19
-5.0	25871	8671	2.98	25235	9210	2.74	25038	9924	2.52	22679	9738	2.33	20410	9475	2.15	11858	8869	1.34	10173	8050	1.26
-2.0	26720	7980	3.35	25246	8346	3.02	24294	8836	2.75	23360	9301	2.51	21178	9626	2.20	13926	9310	1.50	11838	8353	1.42
0	24577	6937	3.54	24132	7502	3.22	23688	8068	2.94	23244	8633	2.69	21313	9386	2.27	17275	9037	1.91	14415	8998	1.60
2	25962	6948	3.74	25494	7477	3.41	25026	8006	3.13	24558	8535	2.88	23848	9184	2.60	20623	8764	2.35	19015	9387	2.03
5	20580	5005	4.11	19758	5333	3.70	18937	5662	3.34	18115	5990	3.02	17898	6718	2.66	17680	7446	2.37	17463	8373	2.09
7.0	21884	5019	4.36	20738	5313	3.90	19593	5608	3.49	18447	5902	3.13	18424	6805	2.71	18401	7707	2.39	18378	8610	2.13
10	21824	4923	4.43	20654	5071	4.07	19484	5220	3.73	18314	5368	3.41	18238	6070	3.00	18162	6771	2.68	18087	7473	2.42
15.0	23370	5157	4.53	22078	5109	4.32	20786	5061	4.11	20886	5372	3.89	19338	5484	3.53	19182	5954	3.22	19026	6424	2.96
20.0	25031	5384	4.65	23779	5329	4.46	22527	5273	4.27	21275	5217	4.08	20829	5569	3.74	20382	5921	3.44	19935	6273	3.18
25.0	24785	5211	4.76	23660	5152	4.59	22535	5093	4.43	21410	5033	4.25	20725	5250	3.95	20040	5468	3.67	19355	5685	3.40
30.0	26328	5423	4.85	25240	5356	4.71	24153	5289	4.57	23065	5222	4.42	22110	5330	4.15	21154	5437	3.89	20199	5545	3.64
35.0	12774	1712	7.46	12484	1898	6.58	12195	2085	5.85	11905	2271	5.24	11516	2596	4.44	11127	2920	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.2: MHC-V18W/D2RN8 heating capacity - integrated values¹

Outdoor air temp. °C DB	LWT (°C)																				
	30			35			40			45			50			55			60		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	8684	6028	1.44	7841	6518	1.20															
-20.0	11025	5663	1.95	9955	6123	1.63	8885	6583	1.35												
-15.0	15468	6961	2.22	14693	6973	2.11	14167	8250	1.72	12439	8742	1.42	10822	9073	1.19						
-10	18972	7639	2.48	17951	7874	2.28	17232	8595	2.00	15056	8533	1.76	13026	8388	1.55	9165	8350	1.10	6100	5826	1.05
-7.0	21075	8180	2.58	19906	8414	2.37	19071	8803	2.17	16156	8169	1.98	14349	7978	1.80	10075	8515	1.18	8038	7435	1.08
-5.0	22146	7943	2.79	20955	8275	2.53	20117	8760	2.30	17578	8459	2.08	15209	8110	1.88	10946	8535	1.28	9390	8035	1.17
-2.0	22479	7183	3.13	20516	7346	2.79	19021	7627	2.49	17570	7892	2.23	16322	8364	1.95	12613	8870	1.42	10722	8815	1.22
0	19933	6025	3.31	19367	6511	2.97	18800	6998	2.69	18234	7484	2.44	17629	8545	2.06	15174	8562	1.77	13564	8812	1.54
2	20355	5816	3.50	20228	6397	3.16	20101	6979	2.88	19974	7560	2.64	19936	8410	2.37	17735	8254	2.15	16838	8572	1.96
5	20220	4928	4.10	19080	5189	3.68	17940	5450	3.29	16800	5711	2.94	16775	6496	2.58	16750	7282	2.30	16726	8067	2.07
7.0	21884	5019	4.36	20738	5313	3.90	19593	5608	3.49	18447	5902	3.13	18424	6805	2.71	18401	7707	2.39	18378	8610	2.13
10	21824	4923	4.43	20654	5071	4.07	19484	5220	3.73	18314	5368	3.41	18238	6070	3.00	18162	6771	2.68	18087	7473	2.42
15.0	23370	5157	4.53	22078	5109	4.32	20786	5061	4.11	20886	5372	3.89	19338	5484	3.53	19182	5954	3.22	19026	6424	2.96
20.0	25031	5384	4.65	23779	5329	4.46	22527	5273	4.27	21275	5217	4.08	20829	5569	3.74	20382	5921	3.44	19935	6273	3.18
25.0	24785	5211	4.76	23660	5152	4.59	22535	5093	4.43	21410	5033	4.25	20725	5250	3.95	20040	5468	3.67	19355	5685	3.40
30.0	26328	5423	4.85	25240	5356	4.71	24153	5289	4.57	23065	5222	4.42	22110	5330	4.15	21154	5437	3.89	20199	5545	3.64
35.0	12774	1712	7.46	12484	1898	6.58	12195	2085	5.85	11905	2271	5.24	11516	2596	4.44	11127	2920	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.3: MHC-V22W/D2RN8 heating capacity - peak values¹

Outdoor air temp. °C DB	LWT (°C)																				
	30			35			40			45			50			55			60		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	10174	6756	1.51	9123	7154	1.28															
-20.0	12899	6067	2.13	11566	6424	1.80	10234	6782	1.51												
-15.0	20342	7021	2.90	19112	8206	2.33	17973	9705	1.85	16782	11251	1.49	14704	11423	1.29						
-10	22770	7972	2.86	22000	8861	2.48	21609	9866	2.19	21191	10901	1.94	18987	10952	1.73	12202	10922	1.12	8529	7893	1.08
-7.0	24093	8271	2.91	23733	9254	2.56	23791	9963	2.39	23836	10691	2.23	21846	10470	2.09	13558	10441	1.30	9946	8124	1.22
-5.0	25944	8376	3.10	25423	9289	2.74	25347	10043	2.52	25252	10817	2.33	23008	10627	2.16	15564	10743	1.45	12091	9304	1.30
-2.0	28722	8702	3.30	27958	9343	2.99	27680	10163	2.72	27375	11005	2.49	23397	10626	2.20	18573	11196	1.66	14958	11305	1.32
0	28274	8037	3.52	27530	8709	3.16	26787	9382	2.86	26043	10054	2.59	24722	10978	2.25	21601	10987	1.97	19108	11100	1.72
2	29878	7993	3.74	29100	8743	3.33	28321	9492	2.98	27542	10242	2.69	27112	10959	2.47	24629	10778	2.29	22717	11224	2.02
5	24792	6189	4.01	23920	6684	3.58	23049	7178	3.21	22177	7673	2.89	21966	8497	2.59	21754	9321	2.33	21543	10344	2.08
7.0	25997	6215	4.18	24925	6468	3.85	23891	7096	3.37	22657	7511	3.02	22706	8542	2.66	22775	9089	2.51	22443	10552	2.13
10	25467	5928	4.30	24549	6290	3.90	23631	6652	3.55	22713	7015	3.24	22316	7676	2.91	21919	8337	2.63	21521	8999	2.39
15.0	28916	6484	4.46	28048	6789	4.13	27180	7095	3.83	26312	7401	3.56	25450	7657	3.32	24588	7913	3.11	23726	8169	2.90
20.0	28642	6171	4.64	27752	6407	4.33	26862	6644	4.04	25972	6881	3.77	24963	7064	3.53	23953	7248	3.30	22944	7431	3.09
25.0	28913	6010	4.81	27988	6192	4.52	27063	6373	4.25	26138	6555	3.99	24984	6679	3.74	23830	6803	3.50	22676	6928	3.27
30.0	30920	6224	4.97	29906	6364	4.70	28892	6505	4.44	27878	6645	4.20	26518	6722	3.95	25158	6798	3.70	23799	6875	3.46
35.0	12748	1735	7.35	12458	1923	6.48	12167	2110	5.77	11877	2298	5.17	11536	2619	4.41	11196	2940	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.4: MHC-V22W/D2RN8 heating capacity - integrated values¹

Outdoor air temp. °C DB	LWT (°C)																				
	30			35			40			45			50			55			60		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	8726	6366	1.37	8064	6892	1.17															
-20.0	11062	5716	1.94	10223	6188	1.65	9383	6660	1.41												
-15.0	16554	6653	2.49	15913	7348	2.17	14860	9099	1.63	13761	10907	1.26	12571	11272	1.12						
-10	20427	8048	2.54	19266	8196	2.35	18429	9176	2.01	17550	10186	1.72	15221	10274	1.48	10648	10010	1.06	7442	7234	1.03
-7.0	22348	8404	2.66	21279	8704	2.44	20570	9223	2.23	19824	9754	2.03	17426	9425	1.85	12547	10034	1.25	9204	7904	1.16
-5.0	23094	8219	2.81	22113	8611	2.57	21508	9221	2.33	20869	9847	2.12	18483	9601	1.93	13813	10050	1.37	10731	8985	1.19
-2.0	24215	8052	3.01	23364	8471	2.76	22915	9219	2.49	22435	9988	2.25	18925	9595	1.97	15713	10074	1.56	13392	10067	1.33
0	22920	7140	3.21	22469	7779	2.89	22018	8417	2.62	21568	9056	2.38	20738	9947	2.08	18377	10003	1.84	16511	10149	1.63
2	23355	6959	3.36	23244	7692	3.02	23132	8425	2.75	23021	9157	2.51	22908	9959	2.30	21042	9933	2.12	19629	10005	1.96
5	23541	6021	3.91	22623	6460	3.50	21704	6900	3.15	20786	7340	2.83	20672	8189	2.52	20559	9039	2.27	20445	9889	2.07
7.0	25997	6215	4.18	24925	6468	3.85	23891	7096	3.37	22657	7511	3.02	22706	8542	2.66	22775	9089	2.51	22443	10552	2.13
10	25467	5928	4.30	24549	6290	3.90	23631	6652	3.55	22713	7015	3.24	22316	7676	2.91	21919	8337	2.63	21521	8999	2.39
15.0	28916	6484	4.46	28048	6789	4.13	27180	7095	3.83	26312	7401	3.56	25450	7657	3.32	24588	7913	3.11	23726	8169	2.90
20.0	28642	6171	4.64	27752	6407	4.33	26862	6644	4.04	25972	6881	3.77	24963	7064	3.53	23953	7248	3.30	22944	7431	3.09
25.0	28913	6010	4.81	27988	6192	4.52	27063	6373	4.25	26138	6555	3.99	24984	6679	3.74	23830	6803	3.50	22676	6928	3.27
30.0	30920	6224	4.97	29906	6364	4.70	28892	6505	4.44	27878	6645	4.20	26518	6722	3.95	25158	6798	3.70	23799	6875	3.46
35.0	12748	1735	7.35	12458	1923	6.48	12167	2110	5.77	11877	2298	5.17	11536	2619	4.41	11196	2940	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

M thermal Arctic Mono



Table 2-5.5: MHC-V26W/D2RN8 heating capacity - peak values¹

Outdoor air temp.	LWT (°C)																				
	30			35			40			45			50			55			60		
°C DB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	10157	7112	1.43	9177	7521	1.22															
-20.0	12858	6120	2.10	11617	6472	1.79	10376	6824	1.52												
-15.0	20606	6342	3.25	19196	8261	2.32	18104	10362	1.75	16961	12531	1.35	16535	13802	1.20						
-10	22658	7758	2.92	22130	8889	2.49	21987	10200	2.16	21825	11550	1.89	21277	12722	1.67	12658	11004	1.15	9889	8909	1.11
-7.0	23890	8607	2.78	24743	9597	2.58	24316	10102	2.41	24743	10962	2.26	24743	11645	2.12	16704	12198	1.37	12590	10175	1.24
-5.0	26018	8754	2.97	25612	9369	2.73	25656	10162	2.52	25685	10977	2.34	25265	11614	2.18	19042	12259	1.55	14431	10380	1.39
-2.0	29211	8974	3.26	28195	9523	2.96	27665	10252	2.70	27099	11000	2.46	26142	11863	2.20	23013	12689	1.81	21303	14295	1.49
0	30979	8866	3.49	29918	9625	3.11	29372	10571	2.78	28788	11543	2.49	28276	12655	2.23	25372	12580	2.02	23965	13083	1.83
2	32747	8757	3.74	31640	10400	3.04	31078	10890	2.85	30476	12086	2.52	30411	12867	2.36	27207	12236	2.22	25583	12690	2.02
5	28950	7415	3.90	28072	8110	3.46	27194	8805	3.09	26316	9501	2.77	26129	10400	2.51	28150	12261	2.30	25755	12399	2.08
7.0	29927	7459	4.01	29083	8074	3.60	28240	8690	3.25	27396	9305	2.94	27120	10382	2.61	26843	11459	2.34	24306	11469	2.12
10	28870	6938	4.16	28366	7576	3.74	27863	8214	3.39	27359	8852	3.09	26538	9413	2.82	25717	9974	2.58	24895	10536	2.36
15.0	32415	7394	4.38	30789	7789	3.95	30707	8536	3.60	30624	9283	3.30	28930	9180	3.15	26556	8851	3.00	24905	8751	2.85
20.0	32835	7086	4.63	32475	7723	4.21	30468	7931	3.84	30126	8535	3.53	28453	8482	3.35	26780	8428	3.18	25107	8375	3.00
25.0	33747	6931	4.87	33140	7449	4.45	32533	7966	4.08	31926	8484	3.76	30146	8472	3.56	28366	8460	3.35	26586	8448	3.15
30.0	35360	6947	5.09	34511	7366	4.69	33662	7785	4.32	33725	8432	4.00	31839	8462	3.76	29952	8491	3.53	28066	8521	3.29
35.0	12722	1759	7.23	12431	1947	6.38	12140	2136	5.68	11849	2324	5.10	11557	2642	4.37	11264	2959	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.6: MHC-V26W/D2RN8 heating capacity - integrated values¹

Outdoor air temp.	LWT (°C)																				
	30			35			40			45			50			55			60		
°C DB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	8768	6704	1.31	8286	7266	1.14															
-20.0	11099	5769	1.92	10490	6253	1.68	9881	6737	1.47												
-15.0	17641	6344	2.78	17133	7723	2.22	15554	9948	1.56	13909	12247	1.14	13613	12772	1.07						
-10	21882	8010	2.73	20582	8518	2.42	19626	9757	2.01	18624	11035	1.69	17278	12141	1.42	13199	12016	1.10	10311	9728	1.06
-7.0	23620	8628	2.74	23460	9316	2.52	22069	9642	2.29	21453	10307	2.08	20450	10803	1.89	15277	11629	1.31	11515	9701	1.19
-5.0	24043	8494	2.83	23270	8947	2.60	22900	9682	2.37	22501	10438	2.16	21701	11024	1.97	16354	11161	1.47	12392	9986	1.24
-2.0	24677	8515	2.90	24199	8875	2.73	24145	9742	2.48	24074	10634	2.26	22101	11100	1.99	18394	10781	1.71	15966	10988	1.45
0	25100	8045	3.12	24819	8828	2.81	24975	9782	2.55	25122	10765	2.33	24034	11414	2.11	20968	11023	1.90	19220	11177	1.72
2	25523	7910	3.23	25438	8780	2.90	25806	9822	2.63	26170	10896	2.40	25967	11612	2.24	23098	11052	2.09	21594	11019	1.96
5	26524	7131	3.72	25990	7792	3.34	25455	8453	3.01	24920	9115	2.73	24688	9993	2.47	24457	10871	2.25	24225	11749	2.06
7.0	29927	7459	4.01	29083	8074	3.60	28240	8690	3.25	27396	9305	2.94	27120	10382	2.61	26843	11459	2.34	24306	11469	2.12
10	28870	6938	4.16	28366	7576	3.74	27863	8214	3.39	27359	8852	3.09	26538	9413	2.82	25717	9974	2.58	24895	10536	2.36
15.0	32415	7394	4.38	30789	7789	3.95	30707	8536	3.60	30624	9283	3.30	28930	9180	3.15	26556	8851	3.00	24905	8751	2.85
20.0	32835	7086	4.63	32475	7723	4.21	30468	7931	3.84	30126	8535	3.53	28453	8482	3.35	26780	8428	3.18	25107	8375	3.00
25.0	33747	6931	4.87	33140	7449	4.45	32533	7966	4.08	31926	8484	3.76	30146	8472	3.56	28366	8460	3.35	26586	8448	3.15
30.0	35360	6947	5.09	34511	7366	4.69	33662	7785	4.32	33725	8432	4.00	31839	8462	3.76	29952	8491	3.53	28066	8521	3.29
35.0	12722	1759	7.23	12431	1947	6.38	12140	2136	5.68	11849	2324	5.10	11557	2642	4.37	11264	2959	3.81			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.7: MHC-V30W/D2RN8 heating capacity - peak values¹

Outdoor air temp.	LWT (°C)																				
	30			35			40			45			50			55			60		
°C DB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	10495	7989	1.31	9553	8439	1.13															
-20.0	13266	6606	2.01	12076	6976	1.73	10887	7347	1.48												
-15.0	21600	6060	3.56	19955	8898	2.24	18873	11790	1.60	17740	14777	1.20	17283	16036	1.08						
-10	23336	7831	2.98	23038	9542	2.41	23147	11270	2.05	23245	13053	1.78	22937	14639	1.57	14692	13080	1.12	11046	9807	1.13
-7.0	24516	9090	2.70	24888	9928	2.51	25711	10959	2.35	26547	12019	2.21	26933	12887	2.09	22278	14100	1.58	16470	12795	1.29
-5.0	27005	9411	2.87	26704	10109	2.64	26874	11001	2.44	27033	11917	2.27	26721	12641	2.11	23263	14564	1.60	19236	12538	1.53
-2.0	30739	9892	3.11	29428	10381	2.83	28618	11064	2.59	27762	11765	2.36	27612	12944	2.13	27907	14716	1.90	27664	17438	1.59
0	32612	9711	3.36	31244	10562	2.96	30409	11617	2.62	29526	12703	2.32	29993	13980	2.15	29409	14730	2.00	28335	14653	1.93
2	33318	8907	3.74	31942	9481	3.37	31111	11374	2.74	30700	12748	2.41	30582	13511	2.26	29866	13781	2.17	28047	13980	2.01
5	31830	8363	3.81	31020	9257	3.35	30791	10348	2.98	30532	11310	2.70	30387	12427	2.45	29919	13651	2.19	28984	14005	2.07
7.0	31177	8100	3.85	31754	9509	3.34	30825	9810	3.14	30992	11268	2.75	31077	12097	2.57	30563	13819	2.21	27332	12943	2.11
10	30030	7459	4.03	30099	8373	3.59	30837	9493	3.25	31579	10654	2.96	30903	11281	2.74	30172	11925	2.53	27033	11579	2.33
15.0	31835	7396	4.30	32695	8637	3.79	34334	10108	3.40	36014	11636	3.09	34020	11332	3.00	32585	11237	2.90	27197	9762	2.79
20.0	32636	7055	4.63	32977	8075	4.08	34150	9322	3.66	35340	10620	3.33	33608	10510	3.20	32477	10618	3.06	27137	9328	2.91
25.0	33876	6869	4.93	33763	7710	4.38	34535	8776	3.94	35302	9885	3.57	33766	9942	3.40	32877	10226	3.22	27519	9093	3.03
30.0	36747	7036	5.22	36198	7749	4.67	36587	8684	4.21	36947	9657	3.83	35488	9862	3.60	34721	10306	3.37	29225	9313	3.14
35.0	12696	1782	7.12	12405	1972	6.29	12113	2161	5.61	11821	2351	5.03	11577	2665	4.34	11333	2979	3.80			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

Table 2-5.8: MHC-V30W/D2RN8 heating capacity - integrated values¹

Outdoor air temp.	LWT (°C)																				
	30			35			40			45			50			55			60		
°C DB	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25.0	8886	7322	1.21	8680	8019	1.08															
-20.0	11249	6302	1.79	10773	6901	1.56	10288	7500	1.37												
-15.0	17880	6930	2.58	17595	8523	2.06	16194	11075	1.46	14691	13737	1.07	14318	13687	1.05						
-10	22178	8749	2.53	21136	9400	2.25	20434	10862	1.88	19671	12377	1.59	18172	13423	1.35	14290	13635	1.05	10381	10223	1.02
-7.0	23940	9425	2.54	23261	9927	2.34	22977	10735	2.14	22659	11561	1.96	21508	11943	1.80	16540	13786	1.20	12228	11043	1.11
-5.0	24368	9278	2.63	23897	9874	2.42	23842	10779	2.21	23766	11708	2.03	22825	12188	1.87	18040	13480	1.34	13933	11348	1.23
-2.0	25011	9301	2.69	24851	9795	2.54	25138	10846	2.32	25427	11928	2.13	23246	12272	1.89	19934	12793	1.56	17952	12818	1.40
0	25440	8787	2.90	25487	9742	2.62	26003	10891	2.39	26534	12075	2.20	25278	12619	2.00	22724	13080	1.74	21611	13039	1.66
2	24994	8075	3.10	26021	9085	2.86	25959	10220	2.54	28191	12317	2.29	26388	11998	2.20	24651	12493	1.97	23085	11821	1.95
5	28738	8054	3.57	28531	8892	3.21	28875	9918	2.91	29219	10978	2.66	28825	11863	2.43	27846	13110	2.12	27000	13141	2.05
7.0	31177	8100	3.85	31754	9509	3.34	30825	9810	3.14	30992	11268	2.75	31077	12097	2.57	30563	13819	2.21	27332	12943	2.11
10	30030	7459	4.03	30099	8373	3.59	30837	9493	3.25	31579	10654	2.96	30903	11281	2.74	30172	11925	2.53	27033	11579	2.33
15.0	31835	7396	4.30	32695	8637	3.79	34334	10108	3.40	36014	11636	3.09	34020	11332	3.00	32585	11237	2.90	27197	9762	2.79
20.0	32636	7055	4.63	32977	8075	4.08	34150	9322	3.66	35340	10620	3.33	33608	10510	3.20	32477	10618	3.06	27137	9328	2.91
25.0	33876	6869	4.93	33763	7710	4.38	34535	8776	3.94	35302	9885	3.57	33766	9942	3.40	32877	10226	3.22	27519	9093	3.03
30.0	36747	7036	5.22	36198	7749	4.67	36587	8684	4.21	36947	9657	3.83	35488	9862	3.60	34721	10306	3.37	29225	9313	3.14
35.0	12696	1782	7.12	12405	1972	6.29	12113	2161	5.61	11821	2351	5.03	11577	2665	4.34	11333	2979	3.80			

Abbreviations:

LWT: Leaving water temperature (°C)

HC: Total heating capacity (W)

PI: Power input (W)

Notes:

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

M thermal Arctic Mono



5.2 Cooling Capacity Tables (Test standard: EN14511)

Table 2-5.9: MHC-V18W/D2RN8 cooling capacity

Outdoor air temp.	LWT (°C)																							
	25			22			18			15			13			10			7			5		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	23005	5857	3.93	20981	5876	3.57	18282	5902	3.10	18000	6556	2.75	17038	6782	2.51	15520	6811	2.28	12938	6417	2.02	11216	6154	1.82
40	24236	5049	4.80	22408	5197	4.31	19972	5396	3.70	20088	6139	3.27	19344	6451	3.00	17784	6527	2.72	15016	6200	2.42	13170	5981	2.20
35	25466	4240	6.01	23836	4519	5.27	21661	4890	4.43	22176	5722	3.88	21649	6119	3.54	20048	6242	3.21	17093	5982	2.86	15123	5809	2.60
30	27199	3660	7.43	25360	3892	6.52	22907	4201	5.45	23324	4908	4.75	22675	5244	4.32	21450	5463	3.93	18808	5355	3.51	17047	5283	3.23
25	24799	2640	9.39	23043	2799	8.23	20702	3011	6.88	20525	3434	5.98	20738	3822	5.43	20836	4271	4.88	18712	4311	4.34	17296	4338	3.99
20	21499	2298	9.36	20033	2380	8.42	18080	2489	7.26	18196	2815	6.46	19360	3250	5.96	18221	3480	5.24	16337	3585	4.56	15081	3655	4.13
15	18256	1960	9.32	17061	1980	8.61	15467	2008	7.70	15858	2255	7.03	16470	2497	6.60	16373	2752	5.95	14780	2780	5.32	13717	2798	4.90
10	16075	1733	9.28	15066	1708	8.82	13722	1674	8.20	14303	1855	7.71	15052	2040	7.38	15171	2209	6.87						
5	14841	1446	10.26	13820	1436	9.62	12458	1423	8.76	11436	1413	8.10	13060	1707	7.65	13211	1894	6.97						
0	21194	1868	11.34	19619	1871	10.49	17519	1874	9.35	15944	1876	8.50	14894	1878	7.93	13319	1880	7.08						
-5	18573	3347	5.55	17370	3155	5.51	15767	2899	5.44	14565	2707	5.38	13763	2579	5.34	12561	2387	5.26						

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (W)

PI: Power input (W)

Table 2-5.10: MHC-V22W/D2RN8 cooling capacity

Outdoor air temp.	LWT (°C)																							
	25			22			18			15			13			10			7			5		
°C DB	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	24059	5909	4.07	21857	5984	3.65	18920	6083	3.11	20753	7644	2.72	19982	8133	2.46	18394	8281	2.22	15755	8000	1.97	13996	7813	1.79
40	25547	5289	4.83	23508	5498	4.28	20790	5775	3.60	23278	7428	3.13	22791	8022	2.84	21085	8083	2.61	18179	7722	2.35	16242	7481	2.17
35	31695	5475	5.79	29498	5876	5.02	26568	6410	4.14	25804	7212	3.58	25600	7911	3.24	23775	7886	3.01	20873	7120	2.93	18938	6609	2.87
30	32805	4833	6.79	30457	5113	5.96	27325	5487	4.98	26491	6117	4.33	26249	6675	3.93	24797	6818	3.64	21925	6599	3.32	20011	6453	3.10
25	29567	3694	8.01	27392	3839	7.14	24491	4032	6.07	24706	4625	5.34	23846	4885	4.88	23026	5184	4.44	20716	5179	4.00	19176	5175	3.71
20	26423	3223	8.20	25189	3389	7.43	23542	3609	6.52	21581	3677	5.87	21775	3998	5.45	21025	4352	4.83	18773	4429	4.24	17272	4481	3.85
15	21288	2537	8.39	21105	2718	7.76	20861	2960	7.05	19239	2957	6.51	19671	3200	6.15	19292	3442	5.60	17399	3437	5.06	16138	3434	4.70
10	18223	2153	8.46	17097	2102	8.13	15597	2034	7.67	16079	2204	7.30	16770	2383	7.04	16794	2531	6.63						
5	14462	1734	8.34	13538	1686	8.03	12306	1622	7.59	13820	1911	7.23	14610	2093	6.98	14762	2241	6.59						
0	22126	2691	8.22	20667	2606	7.93	18721	2493	7.51	17261	2408	7.17	16288	2352	6.93	14829	2267	6.54						
-5	18833	3765	5.00	17543	3550	4.94	15824	3264	4.85	14535	3049	4.77	13675	2906	4.71	12386	2691	4.60						

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (W)

PI: Power input (W)

Table 2-5.11: MHC-V26W/D2RN8 cooling capacity

Outdoor air temp. °C DB	LWT (°C)																							
	25			22			18			15			13			10			7			5		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	24292	5752	4.22	21983	5881	3.74	18905	6053	3.12	20603	7674	2.68	18692	7781	2.40	18066	8335	2.17	15882	8240	1.93	14426	8177	1.76
40	25992	5350	4.86	23808	5612	4.24	20896	5962	3.51	27746	9229	3.01	25587	9488	2.70	24434	9762	2.50	21497	9373	2.29	19538	9114	2.14
35	35332	6312	5.60	32705	6817	4.80	29201	7490	3.90	32319	9723	3.32	31530	10583	2.98	29357	10325	2.84	25843	9616	2.69	23500	9144	2.57
30	40671	6489	6.27	37606	6836	5.50	33520	7300	4.59	33500	8412	3.98	32673	9061	3.61	30755	9069	3.39	27417	8684	3.16	25192	8426	2.99
25	40988	5845	7.01	37863	5988	6.32	33697	6177	5.46	32181	6652	4.84	31488	7089	4.44	30023	7356	4.08	27059	7285	3.71	25083	7238	3.47
20	32833	4532	7.24	30492	4567	6.68	27372	4614	5.93	26646	4949	5.38	26499	5275	5.02	25220	5619	4.49	22426	5661	3.96	20564	5688	3.62
15	27030	3603	7.50	25242	3565	7.08	22858	3513	6.51	22690	3742	6.06	23700	4113	5.76	22264	4198	5.30	20063	4151	4.83	18596	4119	4.51
10	24482	3143	7.79	22993	3045	7.55	21008	2914	7.21	21146	3051	6.93	21614	3209	6.74	22006	3426	6.42						
5	18107	2600	6.96	17044	2489	6.85	15626	2342	6.67	16181	2479	6.53	16932	2637	6.42	17054	2729	6.25						
0	23803	3790	6.28	22456	3593	6.25	20661	3331	6.20	19315	3134	6.16	18417	3003	6.13	17071	2806	6.08						
-5	27668	2661	10.40	25774	2590	9.95	23248	2496	9.31	21354	2425	8.80	20091	2378	8.45	18197	2307	7.89						

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (W)

PI: Power input (W)

Table 2-5.11: MHC-V30W/D2RN8 cooling capacity

Outdoor air temp. °C DB	LWT (°C)																							
	25			22			18			15			13			10			7			5		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
45	24524	5595	4.38	22109	5778	3.83	18890	6023	3.14	20452	7705	2.65	18454	7857	2.35	18197	8596	2.12	16403	8680	1.89	15206	8736	1.74
40	26438	5410	4.89	24108	5726	4.21	21002	6148	3.42	27686	9586	2.89	25383	9898	2.56	24621	10227	2.41	22087	9866	2.24	20399	9625	2.12
35	34379	6180	5.56	33308	7240	4.60	31881	8653	3.68	35981	11591	3.10	33401	12107	2.76	30194	11214	2.69	29736	12705	2.34	29431	13699	2.15
30	41579	7118	5.84	38295	7474	5.12	33917	7949	4.27	38293	10380	3.69	35557	10677	3.33	35512	11169	3.18	31911	10593	3.01	29511	10210	2.89
25	44052	7030	6.27	40581	7121	5.70	35954	7244	4.96	36544	8253	4.43	35450	8692	4.08	33685	8912	3.78	30412	8762	3.47	28230	8662	3.26
20	38765	5925	6.54	35944	5916	6.08	32183	5904	5.45	30993	6223	4.98	30535	6544	4.67	30825	7350	4.19	25479	6850	3.72	21915	6516	3.36
15	32622	4756	6.86	30453	4670	6.52	27561	4554	6.05	26212	4612	5.68	26264	4837	5.43	25291	5020	5.04	22772	4920	4.63	21093	4853	4.35
10	28779	3984	7.22	27055	3834	7.06	24757	3635	6.81	25502	3859	6.61	25011	3869	6.46	24481	3929	6.23						
5	19577	3160	6.20	18535	3123	5.94	17145	2887	5.94	17712	2981	5.94	18488	3110	5.94	18674	3139	5.95						
0	24178	4426	5.46	23068	4559	5.06	21587	4131	5.23	20477	3809	5.38	19737	3595	5.49	18627	3273	5.69						
-5	28578	4067	7.03	26544	3815	6.96	23832	3478	6.85	21798	3225	6.76	20442	3057	6.69	18408	2804	6.56						

Abbreviations:

LWT: Leaving water temperature (°C)

CC: Total cooling capacity (W)

PI: Power input (W)