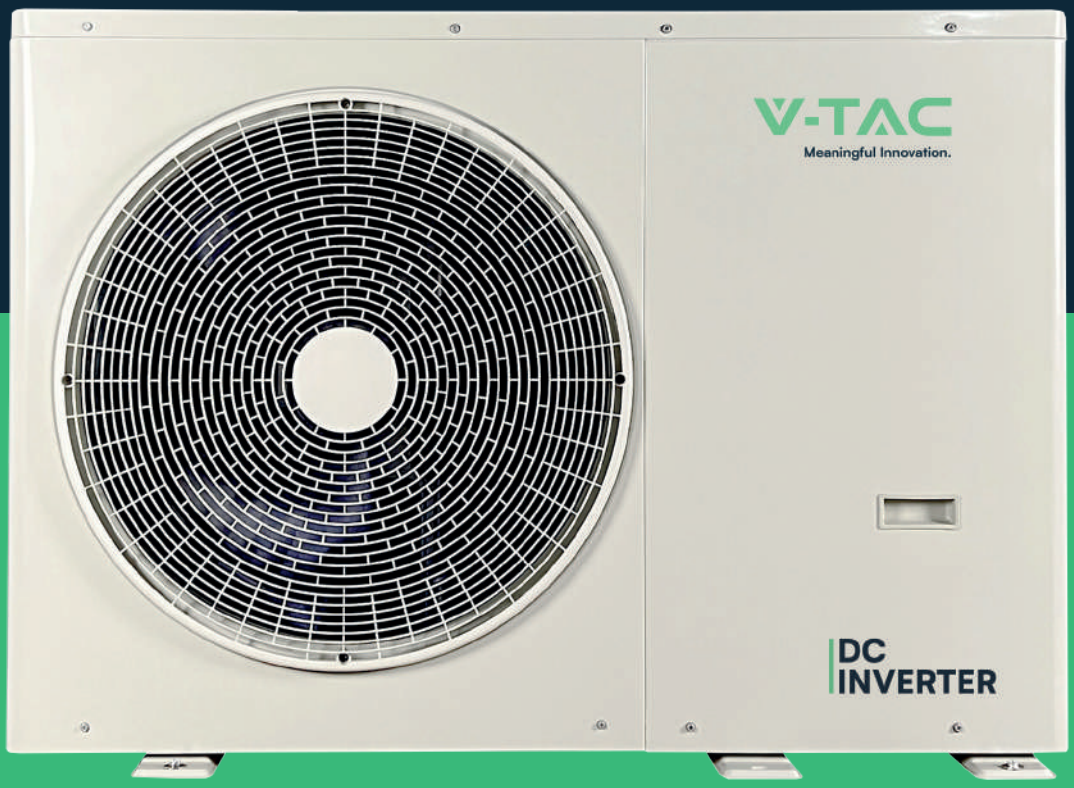
V-TAC
Meaningful Innovation.

RENEWABLE ENERGY SOLUTIONS FOR A BRIGHTER TOMORROW

CAPACITY TABLES

Heating capacity-peak
Cooling capacity



VT-M4KW-P1H3-W, VT-M6KW-P1H3-W, VT-M8KW-P1H3-W, VT-M10KW-P1H3-W,
VT-M12KW-P1H3-W, VT-M14KW-P1H3- W, VT-M16KW-P1H3-W,
VT-M12KW-P3H9-W, VT-M14KW-P3H9- W, VT-M16KW-P3H9-W

Table **VT-M14KW-P1H3-W / VT-M14KW-P3H9-W** heating capacity - peak values

DB (℃)	Maximum																											
	LWT(℃)																											
	25			30			35			40			45			50			55			60			65		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25	6.67	3.10	2.15	6.81	3.21	2.12	5.42	3.17	1.71	4.85	3.37	1.44	4.45	3.48	1.28	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	8.28	3.20	2.59	8.26	3.32	2.49	7.78	3.57	2.18	6.82	3.77	1.81	6.25	3.61	1.73	5.39	3.62	1.49	5.11	3.87	1.32	/	/	/	/	/	/
-15	9.63	3.41	2.82	9.56	3.66	2.61	9.56	3.92	2.44	8.56	3.98	2.15	7.62	4.12	1.85	6.98	4.39	1.59	6.45	4.57	1.41	5.98	5.07	1.18	/	/	/
-10	11.8	3.79	3.11	11.2	4.10	2.73	10.8	4.41	2.45	10.6	4.69	2.26	9.63	4.77	2.02	9.05	5.00	1.81	8.72	5.25	1.66	6.72	5.25	1.28	/	/	/
-7	13.5	3.97	3.40	12.7	4.22	3.01	12.5	4.53	2.76	12.3	4.94	2.49	11.8	5.11	2.31	10.8	5.27	2.05	11.2	5.57	2.01	8.01	5.30	1.51	/	/	/
-5	13.9	3.81	3.65	13.2	3.87	3.41	12.6	4.26	2.96	12.5	4.60	2.72	11.9	4.94	2.41	11.2	5.26	2.13	11.1	5.31	2.09	8.25	5.06	1.63	/	/	/
0	14.3	3.40	4.21	13.8	3.57	3.87	12.4	3.82	3.25	12.8	4.25	3.01	12.5	4.77	2.62	11.8	4.96	2.38	11.8	5.20	2.27	9.31	5.64	1.65	/	/	/
5	15.5	2.95	5.26	14.9	3.30	4.51	14.4	3.65	3.94	14.2	3.93	3.61	14.4	4.63	3.11	13.8	5.02	2.75	13.8	5.19	2.66	11.2	5.21	2.15	9.75	5.36	1.82
7	16.5	2.84	5.81	15.6	3.15	4.95	15.6	3.40	4.59	15.1	3.76	4.02	15.7	4.35	3.61	14.9	4.79	3.11	14.5	4.92	2.95	13.2	5.18	2.55	10.2	4.90	2.08
10	15.7	2.30	6.82	15.5	2.89	5.36	14.9	3.11	4.79	15.2	3.61	4.21	15.1	4.11	3.67	15.3	4.62	3.31	14.2	4.63	3.07	13.1	4.89	2.68	11.5	5.11	2.25
15	15.3	2.01	7.62	15.2	2.64	5.76	15.2	2.95	5.16	15.8	3.56	4.44	15.8	4.04	3.91	15.2	4.33	3.51	12.7	3.96	3.21	12.7	4.49	2.83	11.7	4.90	2.39
20	14.9	1.78	8.35	14.6	2.17	6.72	14.2	2.54	5.59	15.2	3.03	5.01	15.2	3.44	4.42	14.9	3.84	3.88	12.7	3.62	3.51	10.8	3.71	2.91	/	/	/
25	14.8	1.63	9.08	14.8	1.93	7.65	14.5	2.36	6.15	14.9	2.68	5.56	14.5	2.93	4.95	14.5	3.39	4.28	12.5	3.30	3.79	10.2	3.42	2.98	/	/	/
30	15.2	1.55	9.81	14.8	1.80	8.21	14.9	2.11	7.06	15.1	2.43	6.21	14.9	2.80	5.32	14.4	3.10	4.65	12.8	2.94	4.36	10.3	3.41	3.02	/	/	/
35	15.9	1.42	11.2	15.5	1.72	9.02	15.1	1.88	8.05	15.6	2.27	6.86	15.3	2.66	5.75	14.8	2.97	4.98	12.9	2.75	4.69	/	/	/	/	/	/
40	16.1	1.40	11.5	16.5	1.62	10.2	16.2	1.89	8.57	16.2	2.23	7.25	15.8	2.60	6.08	14.9	2.78	5.36	/	/	/	/	/	/	/	/	/
43	16.5	1.36	12.1	16.6	1.55	10.7	16.5	1.87	8.82	16.3	2.12	7.68	16.1	2.57	6.27	15.1	2.74	5.52	/	/	/	/	/	/	/	/	/

DB (℃)	Normal																											
	LWT(℃)																											
	25			30			35			40			45			50			55			60			65		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25	5.66	2.47	2.29	5.76	2.55	2.26	4.56	2.56	1.78	4.19	2.89	1.45	3.89	3.02	1.29	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	7.31	2.60	2.81	7.28	2.68	2.72	6.76	2.91	2.32	6.05	3.25	1.86	5.45	3.15	1.73	4.59	3.04	1.51	4.69	3.55	1.32	/	/	/	/	/	/
-15	8.05	2.61	3.08	7.95	2.79	2.85	7.85	3.43	2.29	7.16	3.33	2.15	6.22	3.34	1.86	5.65	3.38	1.67	5.44	3.83	1.42	5.05	4.35	1.16	/	/	/
-10	9.81	2.96	3.31	9.36	2.91	3.22	8.89	3.45	2.58	8.75	3.89	2.25	8.07	3.94	2.05	7.62	4.10	1.86	7.32	4.28	1.71	5.71	4.46	1.28	/	/	/
-7	12.9	3.60	3.58	12.3	3.98	3.09	12.1	4.25	2.85	11.8	4.52	2.61	11.8	5.09	2.32	10.6	5.02	2.11	11.1	5.41	2.05	7.38	4.86	1.52	/	/	/
-5	11.6	2.89	4.01	10.8	2.95	3.66	9.96	3.10	3.21	10.2	3.46	2.95	9.68	3.97	2.44	8.75	3.96	2.21	8.83	4.05	2.18	6.75	4.04	1.67	/	/	/
0	11.2	2.44	4.59	10.9	2.61	4.18	9.52	2.71	3.51	10.1	3.08	3.28	9.76	3.73	2.62	8.78	3.63	2.42	8.78	3.69	2.38	7.12	4.07	1.75	/	/	/
5	12.2	2.12	5.76	11.8	2.40	4.91	11.3	2.65	4.27	11.2	2.83	3.96	11.2	3.60	3.11	10.5	3.60	2.92	10.6	3.77	2.81	9.31	4.12	2.26	8.01	4.19	1.91
7	15.3	2.45	6.25	14.5	2.76	5.25	14.5	3.05	4.75	14.4	3.47	4.15	14.5	3.90	3.72	13.8	4.37	3.16	13.8	4.42	3.12	12.3	4.71	2.61	9.65	4.55	2.12
10	12.3	1.64	7.52	12.1	2.06	5.86	11.6	2.22	5.23	11.6	2.49	4.65	11.6	3.08	3.77	11.2	3.25	3.45	10.6	3.30	3.21	10.2	3.68	2.77	9.02	3.89	2.32
15	12.2	1.43	8.51	11.8	1.85	6.37	11.7	2.06	5.67	12.3	2.51	4.91	11.9	3.06	3.89	11.5	3.12	3.69	9.81	2.87	3.42	9.81	3.36	2.92	9.58	3.76	2.55
20	11.8	1.25	9.41	11.6	1.54	7.51	11.3	1.80	6.28	11.7	2.08	5.62	11.5	2.36	4.87	11.2	2.70	4.15	9.51	2.56	3.72	8.51	2.77	3.07	/	/	/
25	11.8	1.16	10.2	11.7	1.37	8.56	11.5	1.68	6.83	11.5	1.66	6.91	11.3	2.07	5.46	11.3	2.46	4.59	9.36	2.32	4.04	7.95	2.54	3.13	/	/	/
30	12.3	1.10	11.2	11.7	1.29	9.08	11.6	1.48	7.82	11.6	1.52	7.61	11.6	2.06	5.63	11.1	2.26	4.92	9.72	2.13	4.56	8.11	2.60	3.12	/	/	/
35	13.2	1.06	12.5	12.5	1.26	9.93	11.8	1.37	8.63	12.3	1.66	7.39	12.1	1.98	6.11	11.6	2.17	5.35	10.1	2.05	4.92	/	/	/	/	/	/
40	13.5	1.03	13.1	13.6	1.18	11.5	13.2	1.42	9.29	13.2	1.68	7.88	12.7	1.96	6.48	11.8	2.04	5.78	/	/	/	/	/	/	/	/	/
43	14.4	1.04	13.9	14.4	1.17	12.3	13.6	1.42	9.61	13.5	1.62	8.32	13.2	1.95	6.78	12.3	2.05	6.01	/	/	/	/	/	/	/	/	/

DB (℃)	Minimum																											
	LWT(℃)																											
	25			30			35			40			45			50			55			60			65		
	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP	HC	PI	COP
-25	3.75	1.62	2.32	3.97	1.76	2.26	3.51	1.94	1.81	3.32	2.18	1.52	2.97	2.32	1.28	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	4.56	1.63	2.79	4.69	1.72	2.72	4.38	1.89	2.32	4.02	2.00	2.01	4.05	2.30	1.76	3.75	2.42	1.55	3.65	2.77	1.32	/	/	/	/	/	/
-15	5.21	1.67	3.12	5.32	1.83	2.91	5.26	2.00	2.63	4.86	2.10	2.31	4.88	2.55	1.91	4.84	2.88	1.68	4.52	3.14	1.44	4.32	3.66	1.18	/	/	/
-10	5.05	1.47	3.44	5.08	1.68	3.02	4.77	1.79	2.66	4.81	1.99	2.42	5.02	2.33	2.15	5.17	2.74	1.89	5.36	3.06	1.75	4.51	3.42	1.32	/	/	/
-7	5.11	1.34	3.82	4.55	1.36	3.35	4.56	1.48	3.08	4.96	1.77	2.81	6.25	2.44	2.56	5.96	2.73	2.18	6.22	2.92	2.13	5.21	3.28	1.59	/	/	/
-5	5.35	1.29	4.15	4.81	1.26	3.82	4.61	1.39	3.32	5.19	1.69	3.08	6.44	2.42	2.66	6.15	2.70	2.28	6.39	2.89	2.21	5.44	3.16	1.72	/	/	/
0	5.73	1.20	4.79	5.36	1.23	4.35	4.81	1.32	3.65	5.57	1.62	3.44	6.92	2.38	2.91	6.61	2.67	2.48	6.86	2.81	2.44	6.15	3.40	1.81	/	/	/
5	6.21	1.03	6.05	5.89	1.14	5.15	5.58	1.25	4.48	6.18	1.49	4.16	7.86	2.24	3.51	7.86	2.60	3.02	8.68	2.98	2.91	7.95	3.38	2.35	6.85	3.44	1.99
7	6.48	0.96	6.75	6.02	1.06	5.67	5.92	1.12	5.27	6.66	1.42	4.68	8.51	2.11	4.04	8.44	2.45	3.44	9.05	2.78	3.25	8.86	3.21	2.76	7.23	3.17	2.28
10	6.32	0.80	7.92	6.18	1.00	6.16	5.81	1.05	5.51	6.67	1.36	4.92	8.28	2.00	4.15	8.72	2.39	3.65	8.96	2.67	3.36	9.02	3.10	2.91	7.95	3.26	2.44
15	6.01	0.68	8.86	5.97	0.89	6.69	5.95	1.01	5.92	7.35	1.42	5.18	8.59	1.94	4.42	9.51	2.43	3.92	8.45	2.38	3.55	9.03	2.93	3.08	8.71	3.31	2.63
20	5.95	0.61	9.82	5.92	0.75	7.86	5.83	0.89	6.56	7.16	1.22	5.89	8.48	1.68	5.06	9.36	2.17	4.32	8.36	2.15	3.89	7.88	2.48	3.18	/	/	/
25	6.08	0.58	10.5	6.05	0.68	8.95	5.96	0.83	7.15	7.18	1.10	6.55	8.45	1.49	5.69	9.33	1.94	4.81	8.32	1.98	4.21	7.38	2.26	3.26	/	/	/
30	7.11	0.62	11.5	7.26	0.77	9.44	8.11	1.01	8.03	8.43	1.19	7.06	8.71	1.46	5.95	9.37	1.81	5.18	8.66	1.80	4.81	7.32	2.20	3.33	/	/	/
35	7.62	0.60	12.8	7.69	0.73	10.5	8.32	0.91	9.16	8.83	1.12	7.86	9.01	1.40	6.44	9.62	1.71	5.63	8.91	1.73	5.16	/	/	/	/	/	/
40	7.89	0.57	13.8	8.35	0.69	12.1	9.18	0.93	9.86	9.11	1.09	8.35	9.36	1.36	6.86	9.89	1.63	6.08	/	/	/	/	/	/	/	/	/
43	8.25	0.57	14.4	8.78	0.69	12.8	9.61	0.93	10.3	9.53	1.07	8.91	9.29	1.31	7.09	10.1	1.61	6.28	/	/	/	/	/	/	/	/	/

Abbreviations:

LWT:Leaving water temperature(℃)

DB:Dry-bulb temperature for Outdoor air temperature(℃)

HC:Total heating capacity(kW)

PI:Power input(kW)

Table **VT-M14KW-P1H3-W / VT-M14KW-P3H9-W** cooling capacity

DB (℃)	Maximum														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	9.81	1.31	7.51	10.6	1.42	7.44	11.6	1.38	8.39
0	/	/	/	/	/	/	9.76	1.67	5.85	11.2	1.55	7.22	12.1	1.55	7.82
5	/	/	/	/	/	/	9.56	1.76	5.44	11.7	1.59	7.38	12.6	1.63	7.71
10	/	/	/	/	/	/	11.2	2.15	5.21	12.8	1.88	6.81	14.4	1.97	7.32
15	/	/	/	10.6	2.32	4.56	13.1	2.40	5.45	15.1	2.27	6.65	16.5	2.27	7.27
20	8.15	2.17	3.76	12.2	3.03	4.02	14.9	3.34	4.46	15.8	3.12	5.06	16.6	2.84	5.85
25	10.2	3.08	3.31	14.4	3.83	3.76	16.6	4.17	3.98	16.8	3.98	4.22	17.3	3.49	4.95
30	10.5	3.60	2.92	13.8	4.51	3.06	15.8	4.53	3.49	16.2	4.20	3.86	16.2	3.76	4.31
35	10.3	4.79	2.15	13.2	5.16	2.56	15.3	4.86	3.15	15.2	4.41	3.45	15.2	4.09	3.72
40	8.12	4.56	1.78	9.85	4.36	2.26	10.6	3.91	2.71	12.1	4.02	3.01	13.2	3.76	3.51
43	5.21	3.70	1.41	6.11	3.28	1.86	7.32	3.00	2.44	8.53	3.21	2.66	11.2	3.38	3.31

DB (℃)	Normal														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	8.07	0.94	8.58	8.89	1.03	8.61	9.71	1.01	9.61
0	/	/	/	/	/	/	7.85	1.18	6.68	9.32	0.99	9.39	10.2	1.12	9.12
5	/	/	/	/	/	/	7.69	1.30	5.92	9.59	1.16	8.26	10.6	1.25	8.51
10	/	/	/	/	/	/	9.12	1.60	5.69	10.6	1.39	7.65	11.6	1.44	8.08
15	/	/	/	8.18	1.68	4.86	10.8	1.83	5.91	13.2	1.77	7.44	13.8	1.68	8.19
20	6.35	1.60	3.96	10.2	2.34	4.36	12.1	2.46	4.91	13.6	2.42	5.61	14.4	2.20	6.56
25	8.36	2.38	3.51	11.6	2.82	4.12	13.8	3.19	4.32	14.8	3.12	4.74	15.1	2.65	5.69
30	8.44	3.00	2.81	11.8	3.51	3.36	13.7	3.59	3.82	14.4	3.39	4.25	14.4	2.96	4.86
35	8.06	3.58	2.25	11.5	4.08	2.82	12.6	3.65	3.45	13.5	3.54	3.81	13.8	3.33	4.15
40	6.59	3.49	1.89	8.36	3.33	2.51	9.28	3.11	2.98	10.9	3.22	3.38	12.1	2.99	4.05
43	4.25	2.95	1.44	4.82	2.43	1.98	5.82	2.23	2.61	7.32	2.47	2.96	8.44	2.31	3.65

DB (℃)	Minimum														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	5.21	0.58	8.91	5.73	0.65	8.85	6.28	0.62	10.07
0	/	/	/	/	/	/	5.12	0.73	7.01	6.02	0.69	8.75	6.65	0.70	9.51
5	/	/	/	/	/	/	4.12	0.65	6.36	5.21	0.59	8.81	5.67	0.62	9.15
10	/	/	/	/	/	/	5.06	0.82	6.15	5.91	0.72	8.21	6.39	0.73	8.76
15	/	/	/	5.01	0.96	5.21	5.88	0.93	6.32	6.69	0.81	8.25	7.86	0.87	9.08
20	3.21	0.78	4.11	4.52	0.99	4.58	6.16	1.18	5.21	7.56	1.28	5.92	8.16	1.18	6.92
25	4.03	1.12	3.59	4.92	1.14	4.32	6.65	1.46	4.56	7.85	1.58	4.97	8.19	1.37	5.96
30	4.01	1.39	2.89	4.85	1.37	3.55	6.42	1.60	4.02	7.51	1.67	4.49	7.81	1.54	5.08
35	3.67	1.58	2.32	5.23	1.77	2.95	6.31	1.71	3.69	7.12	1.73	4.12	7.68	1.73	4.44
40	2.97	1.55	1.91	3.92	1.53	2.57	4.56	1.46	3.13	5.86	1.67	3.51	6.83	1.66	4.12
43	1.46	0.98	1.49	2.28	1.13	2.01	3.05	1.12	2.73	3.72	1.22	3.05	5.39	1.41	3.81

Abbreviations:

LWT:Leaving water temperature(℃)

DB:Dry-bulb temperature for Outdoor air temperature(℃)

CC:Total cooling capacity(kW)

PI:Power input(kW)