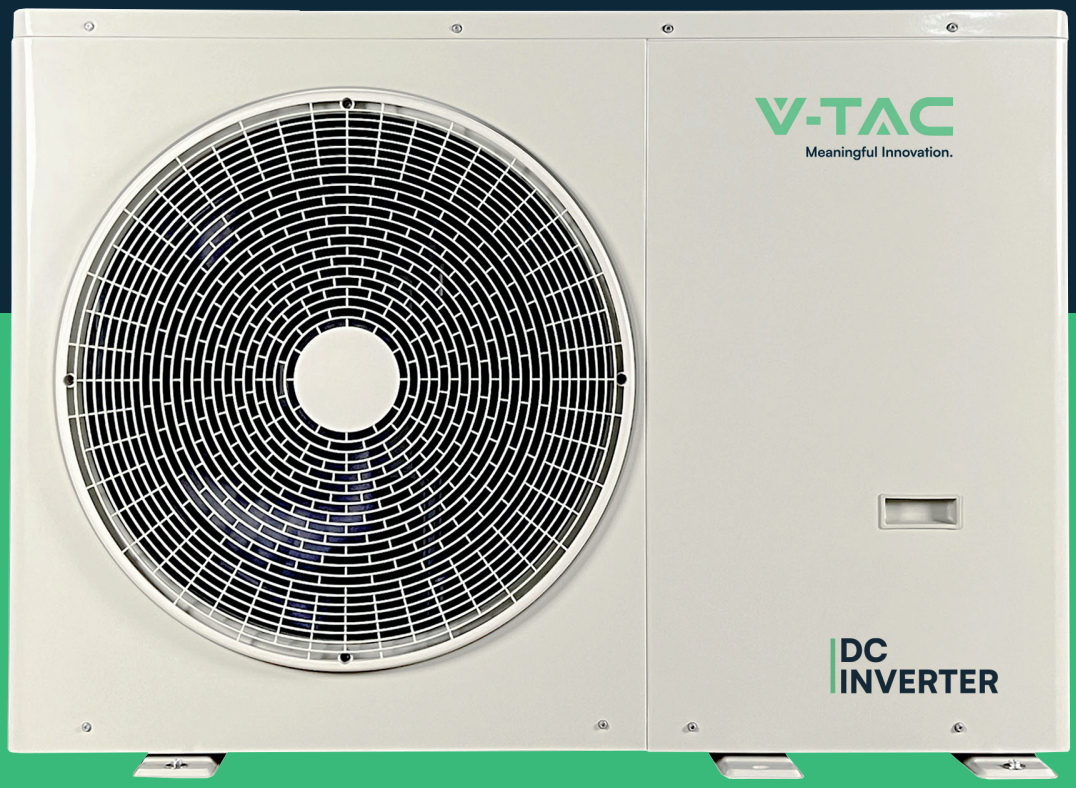
V-TAC
Meaningful Innovation.

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-M12KW-P1H3-W / VT-M12KW-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	5.95	2.87	2.07	6.16	2.92	2.11	5.01	3.04	1.65	4.44	3.19	1.39	4.16	3.44	1.21	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	7.55	3.09	2.44	7.58	3.21	2.36	7.11	3.45	2.06	6.28	4.94	1.27	6.01	3.71	1.62	5.26	3.65	1.44	5.01	3.71	1.35	/	/	/	/	/	/
-15	8.82	3.20	2.76	8.75	3.47	2.52	8.76	3.71	2.36	7.83	3.71	2.11	7.32	4.09	1.79	6.62	4.16	1.59	6.28	4.36	1.44	5.81	4.72	1.23	/	/	/
-10	10.8	3.46	3.12	9.96	3.72	2.68	9.96	4.00	2.49	9.69	4.38	2.21	9.32	4.64	2.01	8.86	4.87	1.82	8.52	4.95	1.72	6.61	5.20	1.27	/	/	/
-7	12.1	3.57	3.39	10.8	3.58	3.02	10.8	3.93	2.75	10.4	4.41	2.36	10.3	4.52	2.28	10.5	4.86	2.16	10.5	5.38	1.95	8.01	5.13	1.56	/	/	/
-5	12.3	3.40	3.62	11.2	3.60	3.11	11.2	3.93	2.85	10.9	4.34	2.51	10.9	4.70	2.32	10.7	4.89	2.19	10.5	5.22	2.01	8.12	5.21	1.56	/	/	/
0	12.4	2.87	4.32	11.9	3.23	3.68	11.9	3.51	3.39	12.3	4.09	3.01	12.3	4.51	2.73	10.9	4.72	2.31	10.7	4.84	2.21	8.51	4.95	1.72	/	/	/
5	14.5	2.69	5.39	13.5	2.99	4.51	13.5	3.31	4.08	13.8	3.78	3.65	13.6	4.26	3.19	12.7	4.50	2.82	12.7	4.79	2.65	11.5	5.20	2.21	9.82	5.31	1.85
7	15.5	2.62	5.92	14.2	2.83	5.01	14.5	3.18	4.56	14.8	3.59	4.12	14.5	4.07	3.56	13.8	4.44	3.11	13.8	4.83	2.86	12.5	5.02	2.49	11.5	5.40	2.13
10	14.9	2.43	6.12	14.4	2.68	5.38	14.2	2.83	5.01	14.6	3.42	4.27	14.4	3.97	3.63	13.5	4.19	3.22	13.1	4.38	2.99	12.7	4.79	2.65	11.6	4.92	2.36
15	15.1	1.97	7.67	14.6	2.24	6.52	14.3	2.68	5.33	14.9	3.20	4.66	14.6	3.60	4.05	13.4	3.76	3.56	12.1	3.99	3.03	12.3	4.32	2.85	11.6	4.53	2.56
20	14.3	1.65	8.66	14.3	1.89	7.55	14.1	2.21	6.37	14.8	2.78	5.33	14.8	3.21	4.61	13.7	3.37	4.06	12.1	3.57	3.39	10.8	3.70	2.92	/	/	/
25	14.4	1.56	9.25	14.2	1.73	8.21	14.1	1.93	7.31	14.6	2.35	6.22	14.6	2.74	5.32	13.9	3.00	4.63	12.1	3.15	3.84	10.1	3.38	2.99	/	/	/
30	14.6	1.45	10.1	14.1	1.63	8.65	14.4	1.88	7.66	14.6	2.21	6.61	14.6	2.64	5.52	13.9	2.81	4.95	12.6	2.94	4.28	10.2	3.39	3.01	/	/	/
35	15.1	1.40	10.8	14.8	1.61	9.19	14.6	1.81	8.06	15.1	2.19	6.91	14.5	2.53	5.73	14.2	2.71	5.24	12.9	2.79	4.62	/	/	/	/	/	/
40	15.6	1.41	11.1	15.5	1.59	9.72	15.3	1.78	8.61	15.2	2.08	7.32	15.2	2.44	6.22	14.5	2.71	5.36	/	/	/	/	/	/	/	/	/
43	16.2	1.37	11.8	15.6	1.49	10.5	15.8	1.74	9.08	16.5	2.11	7.81	15.8	2.32	6.81	14.8	2.57	5.75	/	/	/	/	/	/	/	/	/

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	5.11	2.27	2.25	5.26	2.40	2.19	4.21	2.41	1.75	3.86	2.59	1.49	3.56	2.83	1.26	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	6.68	2.52	2.65	6.73	2.54	2.65	6.16	2.74	2.25	5.65	3.04	1.86	5.31	3.03	1.75	4.68	3.08	1.52	4.58	3.47	1.32	/	/	/	/	/	/
-15	7.38	2.41	3.06	7.25	2.61	2.78	7.17	2.85	2.52	6.55	2.90	2.26	6.03	3.16	1.91	5.51	3.20	1.72	5.25	3.65	1.44	4.91	4.02	1.22	/	/	/
-10	9.01	2.71	3.32	8.16	2.89	2.82	8.11	3.16	2.57	7.93	3.52	2.25	7.72	3.66	2.11	7.54	3.85	1.96	7.18	3.97	1.81	5.65	4.38	1.29	/	/	/
-7	11.1	3.11	3.57	10.2	3.37	3.03	9.96	3.42	2.91	10.1	4.14	2.44	10.2	4.30	2.37	10.3	4.58	2.25	9.75	4.83	2.02	7.19	4.58	1.57	/	/	/
-5	10.2	2.54	4.01	9.22	2.80	3.29	9.02	2.99	3.02	8.79	3.28	2.68	8.78	3.48	2.52	8.47	3.67	2.31	8.32	3.94	2.11	6.72	4.17	1.61	/	/	/
0	9.85	2.12	4.65	9.35	2.31	4.04	9.11	2.47	3.69	9.44	2.94	3.21	9.43	3.19	2.96	8.13	3.24	2.51	7.91	3.41	2.32	6.66	3.87	1.72	/	/	/
5	11.7	1.95	6.01	10.8	2.22	4.86	10.5	2.36	4.44	10.8	2.67	4.04	10.6	3.02	3.51	9.75	3.22	3.03	9.78	3.43	2.85	9.18	3.91	2.35	8.15	4.05	2.01
7	12.8	1.96	6.52	11.8	2.19	5.39	12.1	2.57	4.70	12.4	2.79	4.45	12.1	3.36	3.60	12.2	3.82	3.19	12.1	4.12	2.94	10.8	4.08	2.65	9.61	4.12	2.33
10	11.8	1.73	6.82	11.1	1.88	5.89	10.9	1.98	5.51	11.2	2.36	4.75	10.8	2.78	3.89	10.1	2.99	3.38	11.56	3.69	3.13	9.92	3.65	2.72	9.44	3.79	2.49
15	12.0	1.41	8.53	11.5	1.57	7.32	11.0	1.84	5.97	11.6	2.24	5.19	11.1	2.46	4.51	10.1	2.72	3.72	11.67	3.65	3.20	9.66	3.27	2.95	9.55	3.40	2.81
20	11.5	1.17	9.82	11.1	1.32	8.39	10.8	1.50	7.18	11.3	1.88	6.01	11.1	2.22	5.01	10.1	2.34	4.32	10.21	2.83	3.61	8.37	2.74	3.06	/	/	/
25	11.4	1.09	10.5	11.2	1.23	9.08	10.8	1.33	8.15	11.4	1.48	7.72	11.1	1.90	5.85	10.3	2.10	4.91	10.05	2.46	4.09	7.85	2.52	3.12	/	/	/
30	11.7	1.04	11.3	11.2	1.16	9.66	11.0	1.29	8.55	11.5	1.42	8.11	11.3	1.95	5.79	10.5	2.02	5.21	10.01	2.25	4.44	8.17	2.59	3.15	/	/	/
35	12.3	1.02	12.1	11.9	1.18	10.1	11.5	1.31	8.78	11.8	1.59	7.44	11.5	1.88	6.12	10.9	1.95	5.58	10.02	2.08	4.82	/	/	/	/	/	/
40	13.1	1.07	12.3	12.9	1.19	10.8	12.5	1.33	9.37	12.9	1.63	7.92	12.3	1.86	6.62	11.5	2.00	5.76	/	/	/	/	/	/	/	/	/
43	13.7	1.01	13.5	13.2	1.14	11.6	12.9	1.29	9.98	13.6	1.60	8.51	12.9	1.78	7.25	11.8	1.90	6.21	/	/	/	/	/	/	/	/	/

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	3.39	1.46	2.32	3.69	1.59	2.32	3.25	1.80	1.81	3.05	2.02	1.51	2.79	2.23	1.25	/	/	/	/	/	/	/	/	/	/	/	/	/
-20	4.18	1.55	2.69	4.38	1.61	2.72	4.05	1.75	2.31	3.71	1.89	1.96	3.85	2.28	1.69	3.72	2.46	1.51	3.57	2.63	1.36	/	/	/	/	/	/
-15	4.75	1.53	3.11	4.95	1.70	2.91	4.91	1.85	2.65	4.51	1.99	2.27	4.65	2.51	1.85	4.61	2.68	1.72	4.39	3.03	1.45	4.21	3.42	1.23	/	/	/
-10	4.61	1.34	3.44	4.44	1.49	2.98	4.32	1.59	2.71	4.29	1.88	2.28	4.81	2.27	2.12	5.08	2.53	2.01	5.31	2.85	1.86	4.44	3.36	1.32	/	/	/
-7	4.55	1.18	3.86	3.81	1.15	3.32	3.95	1.27	3.11	4.15	1.55	2.68	5.36	2.14	2.51	5.69	2.45	2.32	6.01	2.80	2.15	5.21	3.16	1.65	/	/	/
-5	4.69	1.14	4.12	4.04	1.15	3.51	4.15	1.28	3.25	4.51	1.58	2.85	5.76	2.23	2.58	5.91	2.47	2.39	6.11	2.80	2.18	5.38	3.24	1.66	/	/	/
0	4.92	1.00	4.93	4.61	1.08	4.25	4.61	1.18	3.91	5.21	1.51	3.44	6.65	2.16	3.08	6.08	2.54	2.39	6.21	2.72	2.28	5.72	3.20	1.79	/	/	/
5	5.86	0.93	6.32	5.32	1.03	5.15	5.28	1.13	4.69	5.92	1.39	4.25	7.44	2.05	3.63	7.25	2.33	3.11	8.02	2.78	2.89	7.85	3.22	2.44	6.92	3.38	2.05
7	6.11	0.88	6.92	5.51	0.96	5.75	5.55	1.04	5.32	6.25	1.30	4.80	7.85	1.92	4.09	7.78	2.26	3.44	8.58	2.64	3.25	8.68	3.16	2.75	8.01	3.35	2.39
10	6.02	0.84	7.18	5.68	0.91	6.25	5.59	0.97	5.79	6.35	1.26	5.02	7.91	1.92	4.12	7.72	2.14	3.61	8.27	2.54	3.25	8.65	3.04	2.85	8.25	3.21	2.57
15	5.88	0.66	8.92	5.72	0.75	7.61	5.58	0.90	6.22	6.82	1.25	5.44	8.05	1.73	4.66	8.25	2.09	3.95	7.79	2.35	3.31	8.71	2.85	3.06	8.57	2.98	2.88
20	5.79	0.57	10.2	5.68	0.65	8.79	5.62	0.75	7.51	6.91	1.10	6.28	8.25	1.55	5.31	8.51	1.89	4.51	7.85	2.11	3.72	7.69	2.44	3.15	/	/	/
25	5.89	0.54	10.9	5.81	0.61	9.52	5.75	0.68	8.51	7.02	0.96	7.33	8.35	1.36	6.12	8.79	1.71	5.15	7.96	1.89	4.21	7.26	2.23	3.25	/	/	/
30	6.81	0.58	11.8	6.91	0.68	10.1	7.78	0.89	8.75	8.21	1.09	7.52	8.52	1.38	6.18	8.92	1.62	5.51	8.56	1.83	4.69	7.32	2.21	3.31	/	/	/
35	7.23	0.56	12.8	7.44	0.69	10.8	8.15	0.88	9.28	8.56	1.08	7.92	8.52	1.32	6.44	9.25	1.58	5.85	8.86	1.74	5.08	/	/	/	/	/	/
40	7.62	0.58	13.1	7.95	0.69	11.5	8.72	0.88	9.89	9.05	1.07	8.44	9.02	1.28	7.02	9.58	1.58	6.06	/	/	/	/	/	/	/	/	/
43	8.01	0.56	14.2	8.36	0.67	12.5	9.19	0.88	10.5	9.61	1.07	9.02	9.69	1.27	7.62	9.97	1.53	6.51	/	/	/	/	/	/	/	/	/

Abbreviations:

LWT:Leaving water temperature(℃)

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

HC:Total heating capacity(kW)

PI:Power input(kW)

Table **VT-M12KW-P1H3-W / VT-M12KW-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	/	/	/	/	/	/	9.52	1.28	7.44	10.28	1.42	7.26	11.32	1.36	8.32
0	/	/	/	/	/	/	9.25	1.58	5.86	10.78	1.50	7.21	11.83	1.51	7.85
5	/	/	/	/	/	/	9.06	1.73	5.25	11.32	1.57	7.19	12.32	1.64	7.51
10	/	/	/	/	/	/	10.72	2.07	5.19	13.06	1.93	6.76	14.12	1.94	7.28
15	/	/	/	10.42	2.35	4.44	12.36	2.35	5.27	14.75	2.29	6.45	15.92	2.25	7.06
20	7.68	2.03	3.78	12.06	3.01	4.01	14.02	3.16	4.44	15.85	3.16	5.02	16.51	2.87	5.76
25	10.2	3.07	3.32	13.72	3.66	3.75	15.71	3.95	3.98	16.93	4.07	4.16	17.02	3.46	4.92
30	9.97	3.65	2.73	13.36	4.20	3.18	15.06	4.23	3.56	16.09	4.21	3.82	16.05	3.75	4.28
35	9.63	4.56	2.11	13.01	5.02	2.59	14.39	4.67	3.08	15.28	4.48	3.41	15.18	4.07	3.73
40	7.86	4.57	1.72	9.78	4.43	2.21	10.57	3.99	2.65	12.12	4.11	2.95	13.18	3.89	3.39
43	5.11	3.84	1.33	6.03	3.31	1.82	7.25	3.07	2.36	8.51	3.21	2.65	10.52	3.33	3.16

DB (℃)	Normal														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	7.58	0.91	8.36	8.39	0.99	8.44	9.21	0.97	9.51
0	/	/	/	/	/	/	7.44	1.12	6.67	8.76	1.04	8.39	9.65	1.05	9.17
5	/	/	/	/	/	/	7.25	1.26	5.76	9.12	1.13	8.06	10.02	1.21	8.31
10	/	/	/	/	/	/	8.61	1.52	5.68	10.51	1.38	7.63	11.51	1.43	8.06
15	/	/	/	7.79	1.63	4.78	10.38	1.81	5.73	12.75	1.74	7.32	13.38	1.67	8.01
20	6.02	1.52	3.96	9.72	2.23	4.35	11.73	2.38	4.92	13.69	2.46	5.56	14.32	2.20	6.52
25	7.93	2.31	3.44	11.26	2.75	4.09	13.33	3.06	4.36	14.78	3.16	4.68	15.02	2.67	5.63
30	8.01	2.81	2.85	11.12	3.23	3.44	13.01	3.27	3.98	14.25	3.40	4.19	14.38	2.99	4.81
35	7.62	3.39	2.25	9.98	3.62	2.76	11.92	3.40	3.51	13.32	3.49	3.82	13.82	3.28	4.21
40	6.58	3.48	1.89	8.26	3.46	2.39	9.26	3.11	2.98	10.91	3.25	3.36	11.96	2.98	4.02
43	4.22	3.04	1.39	4.72	2.51	1.88	5.78	2.23	2.59	7.25	2.48	2.92	8.36	2.31	3.62

DB (℃)	Minimum														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	4.92	0.56	8.81	5.37	0.62	8.67	5.95	0.60	9.92
0	/	/	/	/	/	/	4.86	0.69	7.05	5.72	0.65	8.79	6.22	0.65	9.53
5	/	/	/	/	/	/	3.89	0.63	6.15	4.92	0.57	8.56	5.36	0.60	8.89
10	/	/	/	/	/	/	4.78	0.77	6.19	5.88	0.72	8.15	6.32	0.73	8.69
15	/	/	/	4.79	0.94	5.12	5.56	0.90	6.17	6.32	0.79	8.03	7.58	0.86	8.86
20	3.02	0.73	4.12	4.25	0.93	4.59	5.76	1.11	5.18	7.52	1.28	5.88	8.12	1.18	6.89
25	3.79	1.04	3.65	4.61	1.08	4.28	6.25	1.36	4.59	7.78	1.58	4.92	8.15	1.38	5.92
30	3.76	1.25	3.01	4.52	1.25	3.61	6.03	1.47	4.11	7.39	1.66	4.44	7.72	1.54	5.01
35	3.44	1.48	2.33	4.89	1.65	2.96	5.88	1.61	3.66	7.11	1.71	4.15	7.62	1.69	4.51
40	2.93	1.56	1.88	3.81	1.51	2.52	4.52	1.47	3.08	5.82	1.69	3.44	6.81	1.67	4.09
43	1.44	1.00	1.44	2.26	1.15	1.97	3.02	1.13	2.67	3.65	1.21	3.01	5.35	1.43	3.75

Abbreviations:

LWT:Leaving water temperature(℃)

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

CC:Total cooling capacity(kW)

PI:Power input(kW)

V-TAC

Meaningful Innovation.