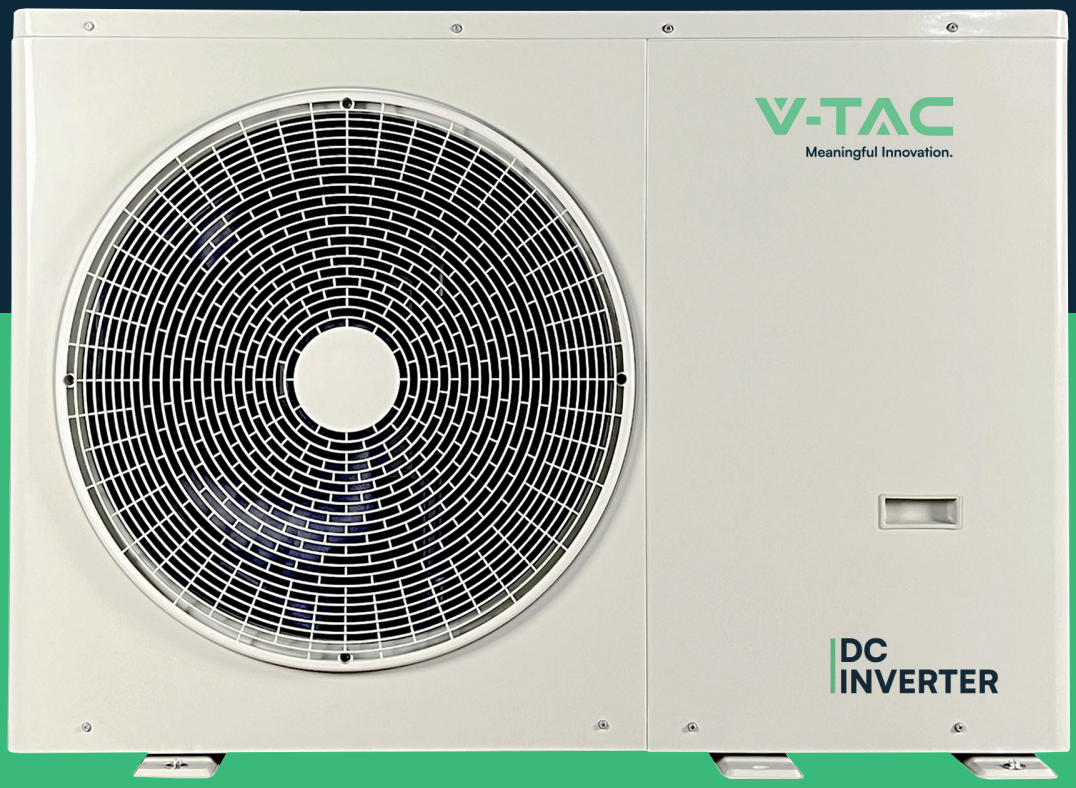
V-TAC
Meaningful Innovation.

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-M10KW-P1H3-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	4.97	2.21	2.25	4.07	2.05	1.99	3.55	2.13	1.67	3.45	2.16	1.60	2.94	2.26	1.30	/	/	/	/	/	/	/	/	/	/	/	/
-20	5.88	2.08	2.83	5.23	2.19	2.39	4.91	2.32	2.12	4.82	2.66	1.81	4.02	2.42	1.66	3.61	2.58	1.40	2.78	2.16	1.29	/	/	/	/	/	/
-15	7.29	2.15	3.39	6.61	2.26	2.92	6.67	2.68	2.49	5.78	2.56	2.26	5.31	2.66	2.00	5.18	2.93	1.77	5.49	3.19	1.72	3.99	2.85	1.40	/	/	/
-10	8.58	2.40	3.57	8.06	2.50	3.22	7.77	2.60	2.99	7.76	2.87	2.70	7.39	3.07	2.41	7.11	3.37	2.11	6.42	3.51	1.83	5.64	3.34	1.69	/	/	/
-7	8.83	2.31	3.83	8.71	2.56	3.40	8.52	2.71	3.14	8.14	2.87	2.84	7.75	3.06	2.53	7.61	3.37	2.26	7.29	3.65	2.00	5.41	2.99	1.81	/	/	/
-5	9.02	2.17	4.15	8.73	2.43	3.60	9.03	2.70	3.35	8.17	2.87	2.85	7.96	3.04	2.62	8.21	3.30	2.49	7.38	3.29	2.24	6.02	3.06	1.97	/	/	/
0	9.19	1.87	4.92	9.49	2.34	4.06	9.72	2.57	3.78	9.08	2.86	3.17	8.86	3.08	2.88	9.01	3.32	2.71	8.35	3.34	2.50	6.99	3.33	2.10	/	/	/
5	10.03	1.74	5.77	9.96	2.07	4.81	10.1	2.24	4.51	9.91	2.59	3.83	9.63	2.86	3.37	9.24	3.05	3.03	9.14	3.26	2.80	7.97	3.24	2.46	4.31	3.19	1.35
7	10.41	1.76	5.91	10.51	2.03	5.19	10.27	2.09	4.91	10.35	2.48	4.17	10.26	2.74	3.74	9.71	3.01	3.23	10.01	3.30	3.03	8.34	3.00	2.78	5.15	3.24	1.59
10	11.40	1.61	7.06	10.15	1.81	5.61	10.11	1.96	5.16	10.18	2.45	4.16	9.8	2.66	3.69	9.55	2.89	3.31	9.28	3.02	3.07	8.53	3.14	2.72	6.61	3.13	2.11
15	11.51	1.42	8.11	10.71	1.64	6.52	9.98	1.70	5.87	9.91	2.07	4.78	10.23	2.44	4.20	9.97	2.61	3.82	9.73	2.73	3.57	8.29	2.62	3.16	6.55	2.71	2.42
20	10.71	1.19	9.03	10.82	1.36	7.96	10.73	1.59	6.74	10.55	1.86	5.68	10.16	2.10	4.84	10.28	2.44	4.22	9.79	2.54	3.86	8.69	2.50	3.48	/	/	/
25	10.01	1.04	9.62	9.81	1.16	8.45	9.74	1.36	7.15	9.82	1.64	5.97	9.72	1.88	5.17	9.22	2.05	4.49	9.07	2.19	4.14	8.31	2.25	3.70	/	/	/
30	9.82	0.96	10.19	8.96	1.02	8.76	8.88	1.11	7.97	8.81	1.31	6.75	9.72	1.58	6.16	9.02	1.82	4.96	8.83	1.83	4.83	7.51	1.95	3.85	/	/	/
35	10.05	0.94	10.72	9.51	1.04	9.13	9.13	1.10	8.30	9.01	1.29	6.99	10.15	1.58	6.41	9.85	1.90	5.19	9.67	1.96	4.93	/	/	/	/	/	/
40	10.68	0.93	11.50	9.69	0.98	9.84	9.84	1.16	8.45	9.97	1.35	7.36	10.91	1.60	6.82	10.31	1.85	5.56	/	/	/	/	/	/	/	/	/
43	10.73	0.90	11.98	10.38	0.98	10.60	9.87	1.07	9.26	9.88	1.22	8.08	10.92	1.44	7.58	10.51	1.68	6.24	/	/	/	/	/	/	/	/	/

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	4.47	1.92	2.33	3.76	1.84	2.04	3.47	2.10	1.65	3.05	1.91	1.60	2.96	2.33	1.27	/	/	/	/	/	/	/	/	/	/	/	/
-20	5.27	1.82	2.90	5.04	2.07	2.43	4.61	2.09	2.21	4.07	2.25	1.81	3.82	2.36	1.62	3.17	2.23	1.42	2.67	2.09	1.28	/	/	/	/	/	/
-15	6.83	1.92	3.55	6.05	2.00	3.02	5.89	2.31	2.55	5.02	2.12	2.37	4.87	2.35	2.07	4.09	2.26	1.81	5.06	2.88	1.76	3.95	2.84	1.39	/	/	/
-10	7.68	2.01	3.83	7.09	2.12	3.34	6.73	2.20	3.06	6.65	2.41	2.76	6.73	2.78	2.42	6.12	2.85	2.15	5.88	3.08	1.91	5.01	2.93	1.71	/	/	/
-7	8.44	2.17	3.89	8.41	2.40	3.50	8.08	2.68	3.02	7.16	2.44	2.94	7.28	2.82	2.58	6.9	2.99	2.31	6.56	3.23	2.03	5.31	2.85	1.86	/	/	/
-5	8.08	1.86	4.34	7.92	2.11	3.76	7.50	2.14	3.50	7.21	2.39	3.02	7.03	2.53	2.78	7.11	2.83	2.51	6.67	2.86	2.33	5.31	2.66	2.00	/	/	/
0	8.63	1.70	5.08	8.43	2.04	4.14	8.59	2.24	3.83	8.37	2.62	3.20	8.05	2.71	2.97	8.03	2.92	2.75	7.58	2.98	2.54	6.41	3.05	2.10	/	/	/
5	8.81	1.48	5.97	8.81	1.76	5.00	9.09	1.95	4.67	9.14	2.31	3.95	8.41	2.37	3.55	8.79	2.82	3.12	8.31	3.06	2.72	6.59	2.66	2.48	3.68	2.65	1.39
7	10.22	1.68	6.08	9.85	1.83	5.37	10.20	2.04	5.01	9.80	2.27	4.32	10.20	2.79	3.65	9.28	2.85	3.26	9.6	3.37	2.85	8.01	2.85	2.81	4.51	2.78	1.62
10	10.08	1.35	7.48	9.36	1.59	5.88	8.88	1.68	5.29	8.61	1.97	4.37	8.99	2.43	3.70	8.71	2.55	3.42	8.08	2.59	3.12	7.31	2.66	2.75	5.63	2.64	2.13
15	10.04	1.14	8.80	9.28	1.34	6.93	9.20	1.47	6.25	9.32	1.82	5.11	9.29	2.13	4.37	8.94	2.25	3.97	8.84	2.42	3.65	7.54	2.32	3.25	5.68	2.26	2.51
20	10.06	1.01	9.92	9.51	1.10	8.61	9.30	1.31	7.11	9.76	1.61	6.05	9.28	1.82	5.11	9.42	2.10	4.49	8.97	2.23	4.02	8.28	2.37	3.50	/	/	/
25	9.15	0.87	10.57	9.01	0.98	9.20	9.11	1.19	7.63	8.96	1.39	6.46	8.80	1.62	5.42	8.99	1.88	4.79	8.23	1.91	4.30	8.06	2.14	3.76	/	/	/
30	8.53	0.75	11.32	8.26	0.86	9.63	8.26	0.97	8.55	8.05	1.10	7.33	9.65	1.48	6.52	8.93	1.68	5.32	8.03	1.58	5.08	7.39	1.89	3.92	/	/	/
35	9.37	0.78	11.99	8.61	0.85	10.09	8.83	0.98	8.98	8.70	1.14	7.66	10.10	1.47	6.86	9.38	1.68	5.58	8.84	1.67	5.30	/	/	/	/	/	/
40	9.85	0.76	13.03	8.82	0.81	10.91	8.80	0.95	9.28	8.95	1.10	8.11	10.30	1.41	7.33	9.44	1.57	6.01	/	/	/	/	/	/	/	/	/
43	10.02	0.73	13.71	9.38	0.79	11.89	8.86	0.87	10.18	9.34	1.04	8.95	10.18	1.24	8.21	9.77	1.43	6.82	/	/	/	/	/	/	/	/	/

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	3.01	1.26	2.38	2.91	1.41	2.06	2.68	1.54	1.74	2.26	1.43	1.58	1.81	1.37	1.32	/	/	/	/	/	/	/	/	/	/	/	/
-20	3.32	1.10	3.02	2.86	1.13	2.52	2.67	1.18	2.27	2.64	1.45	1.82	2.35	1.44	1.63	2.51	1.77	1.42	1.99	1.57	1.27	/	/	/	/	/	/
-15	3.18	0.87	3.64	3.59	1.17	3.06	2.96	1.14	2.59	3.55	1.47	2.42	3.71	1.78	2.09	3.43	1.90	1.81	3.36	1.94	1.73	3.09	2.12	1.46	/	/	/
-10	3.02	0.78	3.88	3.11	0.90	3.45	3.11	0.99	3.14	3.98	1.41	2.83	4.34	1.77	2.45	4.68	2.14	2.19	4.62	2.43	1.90	3.61	2.04	1.77	/	/	/
-7	2.03	0.49	4.12	1.71	0.47	3.66	2.31	0.68	3.38	3.78	1.24	3.05	3.61	1.34	2.69	3.96	1.66	2.39	3.92	1.89	2.07	3.76	2.02	1.86	/	/	/
-5	2.54	0.57	4.49	2.31	0.60	3.85	2.62	0.73	3.58	3.61	1.14	3.16	3.72	1.33	2.80	3.96	1.55	2.55	4.51	1.91	2.36	3.85	1.88	2.05	/	/	/
0	2.45	0.47	5.23	2.79	0.65	4.28	2.63	0.66	4.00	4.01	1.22	3.30	4.08	1.35	3.03	4.65	1.63	2.85	4.32	1.64	2.64	4.06	1.90	2.14	/	/	/
5	3.48	0.57	6.15	3.68	0.71	5.17	3.68	0.75	4.89	4.42	1.09	4.05	4.55	1.24	3.66	5.05	1.60	3.15	5.21	1.80	2.89	4.72	1.87	2.52	2.68	1.85	1.45
7	4.02	0.62	6.45	4.15	0.73	5.66	3.62	0.68	5.36	4.65	1.02	4.54	5.27	1.28	4.11	6.38	1.83	3.48	6.01	1.84	3.27	5.46	1.88	2.91	3.37	2.03	1.66
10	3.15	0.40	7.85	3.02	0.49	6.19	3.02	0.54	5.57	4.41	0.97	4.53	5.26	1.35	3.89	5.75	1.62	3.54	6.02	1.83	3.29	5.37	1.85	2.91	4.11	1.83	2.25
15	4.31	0.46	9.30	4.46	0.61	7.35	3.98	0.61	6.55	4.81	0.90	5.37	5.47	1.18	4.62	5.98	1.43	4.17	6.92	1.80	3.84	6.32	1.94	3.26	4.59	1.81	2.53
20	4.61	0.44	10.51	5.35	0.59	9.13	5.59	0.74	7.57	6.79	1.05	6.46	6.46	1.21	5.35	6.78	1.46	4.65	6.87	1.61	4.27	5.88	1.60	3.67	/	/	
25	4.62	0.41	11.21	5.89	0.61	9.73	6.17	0.76	8.09	7.05	1.03	6.85	6.64	1.17	5.67	6.83	1.37	4.97	6.61	1.45	4.55	6.21	1.57	3.95	/	/	/
30	4.62	0.39	11.98	5.63	0.55	10.22	5.54	0.61	9.11	5.77	0.74	7.78	7.54	1.10	6.86	7.27	1.31	5.57	6.91	1.29	5.35	5.52	1.34	4.12	/	/	/
35	4.61	0.36	12.72	6.41	0.60	10.73	6.1	0.64	9.58	6.12	0.76	8.07	7.59	1.06	7.18	7.78	1.32	5.89	7.49		5.58	/	/	/	/	/	/
40	4.59	0.33	13.81	6.81	0.59	11.50	6.84	0.70	9.78	6.66	0.78	8.59	8.14	1.06	7.71	8.37	1.32	6.32	/	/	/	/	/	/	/	/	/
43	4.62	0.32	14.53	7.21	0.57	12.63	7.03	0.65	10.83	7.52	0.79	9.48	8.81	1.02	8.65	8.67	1.21	7.19	/	/	/	/	/	/	/	/	/

Abbreviations:

LWT:Leaving water temperature(℃)

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

HC:Total heating capacity(kW)

PI:Power input(kW)

Table **VT-M10KW-P1H3-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	/	/	/	/	/	/	6.71	0.68	9.93	8.99	0.84	10.65	9.32	0.77	12.16
0	/	/	/	/	/	/	6.35	0.74	8.56	7.55	0.78	9.62	8.25	0.76	10.85
5	/	/	/	/	/	/	6.53	0.91	7.20	6.92	0.81	8.53	7.51	0.78	9.62
10	/	/	/	/	/	/	6.35	0.73	8.74	8.07	0.79	10.19	9.09	0.89	10.22
15	/	/	/	6.57	1.12	5.87	7.82	1.06	7.35	9.69	1.16	8.37	10.42	1.18	8.86
20	6.49	1.34	4.84	7.09	1.36	5.20	8.51	1.43	5.94	10.66	1.63	6.55	12.61	1.69	7.48
25	6.99	1.64	4.26	8.28	1.82	4.55	9.98	1.90	5.26	12.21	2.12	5.77	13.68	2.13	6.42
30	8.34	2.24	3.72	9.13	2.24	4.07	11.36	2.44	4.65	13.23	2.59	5.11	15.61	2.83	5.52
35	8.09	2.61	3.10	9.42	2.51	3.75	10.78	2.57	4.19	12.71	2.68	4.74	14.32	2.84	5.05
40	6.61	2.54	2.60	7.32	2.31	3.17	9.02	2.58	3.49	10.14	2.49	4.07	12.41	2.85	4.35
43	4.85	2.17	2.24	5.92	2.31	2.56	6.47	2.06	3.14	8.14	2.15	3.78	10.14	2.53	4.01

DB (℃)	Normal														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	5.32	0.48	11.18	7.16	0.58	12.29	7.51	0.54	13.80
0	/	/	/	/	/	/	5.08	0.52	9.76	6.09	0.55	11.17	6.91	0.55	12.64
5	/	/	/	/	/	/	5.42	0.69	7.81	5.51	0.58	9.52	5.83	0.55	10.60
10	/	/	/	/	/	/	5.23	0.55	9.53	6.58	0.58	11.38	7.18	0.64	11.29
15	/	/	/	4.75	0.76	6.27	6.29	0.80	7.83	8.29	0.90	9.19	9.13	0.93	9.77
20	4.96	0.97	5.12	5.91	1.07	5.53	7.28	1.13	6.45	9.16	1.28	7.13	10.69	1.30	8.23
25	5.39	1.20	4.48	7.01	1.42	4.92	8.18	1.47	5.55	10.55	1.67	6.31	12.09	1.69	7.15
30	6.68	1.70	3.94	7.81	1.82	4.30	9.68	1.95	4.96	11.41	2.07	5.50	13.61	2.25	6.05
35	6.47	1.96	3.30	7.79	1.93	4.03	8.98	1.98	4.53	10.93	2.15	5.09	12.99	2.35	5.52
40	5.69	2.01	2.83	6.07	1.79	3.39	8.02	2.12	3.78	9.06	2.02	4.48	11.34	2.32	4.89
43	4.46	1.95	2.29	4.27	1.61	2.65	5.65	1.72	3.29	6.69	1.64	4.08	7.78	1.78	4.38

DB (℃)	Minimum														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	3.37	0.29	11.66	4.29	0.34	12.68	4.56	0.31	14.51
0	/	/	/	/	/	/	3.45	0.34	10.22	3.81	0.33	11.58	4.08	0.31	13.13
5	/	/	/	/	/	/	2.56	0.30	8.41	2.68	0.26	10.14	2.88	0.25	11.42
10	/	/	/	/	/	/	2.87	0.28	10.30	3.63	0.30	12.15	3.72	0.30	12.21
15	/	/	/	2.77	0.36	7.65	3.22	0.39	8.35	3.92	0.39	10.17	4.62	0.43	10.83
20	2.54	0.48	5.28	2.38	0.40	5.98	3.59	0.53	6.83	4.86	0.65	7.50	5.51	0.64	8.67
25	2.82	0.61	4.62	2.65	0.51	5.15	3.71	0.63	5.87	5.13	0.77	6.65	6.08	0.81	7.51
30	3.3	0.82	4.04	2.95	0.66	4.50	4.02	0.78	5.16	5.62	0.97	5.80	6.87	1.09	6.29
35	2.81	0.83	3.38	3.32	0.79	4.21	4.21	0.86	4.87	5.38	0.97	5.53	6.82	1.15	5.92
40	2.18	0.77	2.82	2.91	0.84	3.46	3.72	0.95	3.91	4.89	1.05	4.65	6.33	1.27	4.97
43	1.66	0.71	2.34	2.11	0.77	2.73	2.52	0.73	3.44	3.52	0.85	4.16	5.05	1.11	4.57

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.