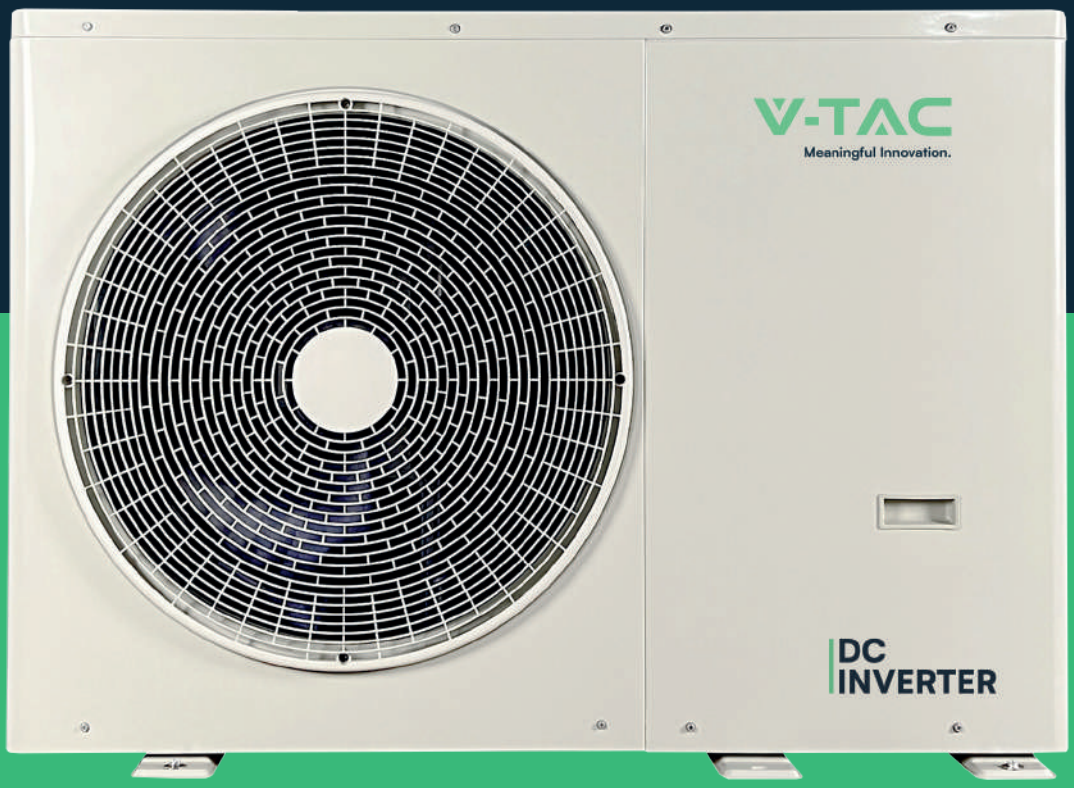
V-TAC
Meaningful Innovation.

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-M16KW-P1H3-W / VT-M16KW-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	7.65	4.01	1.91	7.86	4.12	1.91	6.65	4.01	1.66	5.91	4.38	1.35	4.91	4.23	1.16	/	/	/	/	/	/	/	/	/	/	/	/
-20	9.55	4.06	2.35	9.72	4.46	2.18	8.05	4.82	1.67	7.45	4.78	1.56	6.62	4.80	1.38	5.88	4.49	1.31	5.31	4.74	1.12	/	/	/	/	/	/
-15	11.8	4.35	2.71	11.5	4.67	2.46	10.7	4.95	2.16	10.1	5.26	1.92	9.05	5.36	1.69	7.53	5.30	1.42	6.91	5.23	1.32	6.45	5.47	1.18	/	/	/
-10	13.2	4.44	2.97	13.2	4.84	2.73	12.6	5.06	2.49	12.3	5.39	2.28	11.3	5.79	1.95	9.52	5.57	1.71	8.99	5.76	1.56	7.11	5.51	1.29	/	/	/
-7	14.5	4.63	3.13	14.4	4.98	2.89	13.9	5.19	2.68	13.2	5.41	2.44	13.5	6.11	2.21	12.9	6.23	2.07	12.8	6.37	2.01	8.31	6.07	1.37	/	/	/
-5	14.5	4.19	3.46	14.5	4.62	3.14	13.8	4.84	2.85	13.5	5.13	2.63	13.9	6.02	2.31	13.2	5.92	2.23	12.9	6.06	2.13	8.52	5.92	1.44	/	/	/
0	15.2	3.51	4.33	14.9	3.96	3.76	14.1	4.25	3.32	13.9	4.81	2.89	14.2	5.36	2.65	13.5	5.15	2.62	12.8	5.38	2.38	9.52	5.50	1.73	/	/	/
5	16.8	3.24	5.19	14.8	3.65	4.05	15.9	3.97	4.01	16.1	4.67	3.45	15.9	4.95	3.21	15.6	5.11	3.05	15.1	5.37	2.81	12.9	5.40	2.39	10.1	5.02	2.01
7	16.9	3.06	5.52	15.9	3.41	4.66	16.7	3.76	4.44	16.9	4.32	3.91	16.9	4.79	3.53	16.5	5.22	3.16	16.3	5.64	2.89	13.8	5.25	2.63	11.1	5.09	2.18
10	17.6	2.92	6.02	16.4	3.27	5.01	17.9	3.77	4.75	17.5	4.36	4.01	17.8	4.84	3.68	16.7	5.11	3.27	16.1	5.16	3.12	13.9	4.95	2.81	12.3	5.00	2.46
15	18.5	2.70	6.85	19.3	3.06	6.31	19.2	3.53	5.44	19.1	4.22	4.53	18.6	4.53	4.11	17.2	4.66	3.69	17.8	5.09	3.50	14.2	4.66	3.05	12.5	4.79	2.61
20	16.9	2.10	8.05	16.8	2.37	7.08	17.1	2.71	6.31	18.1	3.51	5.15	16.5	3.82	4.32	15.1	4.16	3.63	15.1	4.38	3.45	13.5	4.47	3.02	/	/	/
25	16.2	1.83	8.83	16.2	2.24	7.23	16.2	2.33	6.95	16.5	2.84	5.82	15.6	3.22	4.85	14.9	3.54	4.21	14.4	3.75	3.84	12.6	4.08	3.09	/	/	/
30	15.8	1.55	10.2	15.6	1.90	8.23	15.1	1.97	7.68	15.9	2.45	6.49	15.3	2.76	5.54	14.4	3.01	4.79	13.5	3.20	4.22	12.9	4.15	3.11	/	/	/
35	16.5	1.51	10.9	16.2	1.80	8.99	16.3	1.94	8.41	16.6	2.42	6.85	16.1	2.84	5.66	15.1	3.01	5.02	13.6	3.12	4.36	/	/	/	/	/	/
40	16.9	1.46	11.6	17.6	1.74	10.1	17.5	1.91	9.16	17.2	2.39	7.21	16.9	2.85	5.92	15.6	2.97	5.25	/	/	/	/	/	/	/	/	/
43	17.5	1.48	11.8	18.1	1.76	10.3	17.7	1.89	9.37	17.3	2.35	7.35	16.7	2.68	6.22	16.1	2.96	5.44	/	/	/	/	/	/	/	/	/

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	6.58	3.26	2.02	6.81	3.31	2.06	5.51	3.20	1.72	5.11	3.68	1.39	4.42	3.54	1.25	/	/	/	/	/	/	/	/	/	/	/	/
-20	8.32	3.26	2.55	8.51	3.59	2.37	7.11	3.84	1.85	6.63	3.88	1.71	5.69	4.28	1.33	5.18	3.84	1.35	4.91	4.27	1.15	/	/	/	/	/	/
-15	9.91	3.36	2.95	9.44	3.52	2.68	8.82	3.75	2.35	8.38	4.09	2.05	7.36	4.30	1.71	6.17	4.09	1.51	5.69	4.45	1.28	5.44	4.73	1.15	/	/	/
-10	11.2	3.54	3.16	11.2	3.78	2.96	10.5	3.99	2.63	10.5	4.41	2.38	9.31	4.41	2.11	8.02	4.56	1.76	7.55	4.81	1.57	6.01	4.66	1.29	/	/	/
-7	13.8	4.25	3.25	13.6	4.37	3.11	13.2	4.87	2.71	13.2	4.98	2.65	12.8	5.66	2.26	12.5	5.87	2.13	12.6	6.27	2.01	7.66	5.63	1.36	/	/	/
-5	12.3	3.26	3.77	11.8	3.50	3.37	11.6	3.77	3.08	11.5	3.95	2.91	10.3	4.26	2.42	10.3	4.79	2.15	10.1	4.53	2.23	7.11	4.71	1.51	/	/	/
0	12.1	2.56	4.72	11.6	2.87	4.04	11.2	3.10	3.61	10.7	3.44	3.11	10.8	3.83	2.82	10.2	4.05	2.52	9.79	3.90	2.51	7.67	4.31	1.78	/	/	/
5	13.5	2.36	5.71	11.7	2.65	4.42	12.6	2.88	4.38	12.3	3.27	3.76	12.3	3.58	3.44	11.5	3.90	2.95	11.3	3.82	2.96	10.2	4.06	2.51	8.78	4.33	2.03
7	16.9	2.86	5.91	15.6	3.05	5.11	15.9	3.45	4.61	16.1	4.07	3.96	15.9	4.64	3.43	15.8	4.92	3.21	15.8	6.12	2.58	13.2	4.84	2.73	10.3	4.66	2.21
10	14.5	2.18	6.66	13.1	2.41	5.44	13.5	2.62	5.16	13.6	3.11	4.38	13.2	3.32	3.98	12.5	3.67	3.41	12.1	3.72	3.25	11.2	3.89	2.88	9.95	3.95	2.52
15	15.2	1.99	7.65	15.3	2.22	6.89	14.4	2.42	5.96	14.2	2.85	4.98	14.2	3.20	4.44	13.6	3.46	3.93	13.2	3.64	3.63	11.6	3.65	3.18	10.1	3.80	2.66
20	13.5	1.49	9.05	13.5	1.71	7.89	13.1	1.91	6.87	13.3	2.34	5.69	12.3	2.62	4.69	11.2	2.91	3.85	11.6	3.14	3.69	10.6	3.34	3.17	/	/	/
25	12.9	1.29	9.97	12.8	1.59	8.06	12.5	1.62	7.73	13.1	1.81	7.23	12.2	2.27	5.37	11.1	2.48	4.48	10.6	2.58	4.11	9.72	3.01	3.23	/	/	/
30	12.5	1.11	11.3	12.2	1.35	9.06	11.6	1.36	8.51	12.2	1.53	7.96	12.1	2.10	5.75	10.9	2.15	5.08	10.1	2.31	4.38	10.3	3.21	3.21	/	/	/
35	13.6	1.12	12.1	13.5	1.36	9.91	13.1	1.43	9.13	13.3	1.79	7.42	12.9	2.13	6.05	11.6	2.18	5.33	10.3	2.26	4.56	/	/	/	/	/	/
40	14.1	1.10	12.8	15.1	1.35	11.2	14.2	1.43	9.95	13.8	1.76	7.85	13.2	2.09	6.31	12.3	2.19	5.62	/	/	/	/	/	/	/	/	/
43	15.1	1.14	13.2	15.5	1.34	11.6	13.9	1.38	10.1	14.1	1.74	8.11	13.9	2.08	6.67	13.1	2.24	5.86	/	/	/	/	/	/	/	/	/

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	4.36	2.12	2.06	4.56	2.27	2.01	4.31	2.45	1.76	4.02	2.89	1.39	3.32	2.81	1.18	/	/	/	/	/	/	/	/	/	/	/	/
-20	5.33	2.04	2.61	5.58	2.33	2.39	4.55	2.45	1.86	4.36	2.60	1.68	4.25	3.10	1.37	4.12	3.10	1.33	3.79	3.38	1.12	/	/	/	/	/	/
-15	6.45	2.14	3.01	6.37	2.34	2.72	5.96	2.50	2.38	5.75	2.79	2.06	5.76	3.35	1.72	5.16	3.56	1.45	4.72	3.69	1.28	4.59	4.10	1.12	/	/	/
-10	5.72	1.75	3.27	5.86	1.95	3.01	5.52	2.05	2.69	5.61	2.33	2.41	5.72	2.83	2.02	5.33	1.77	3.01	5.51	3.53	1.56	4.69	3.72	1.26	/	/	/
-7	5.38	1.53	3.52	4.96	1.55	3.21	4.96	1.68	2.96	5.58	2.00	2.79	6.79	2.93	2.32	6.85	3.17	2.16	7.11	3.29	2.16	5.32	3.86	1.38	/	/	/
-5	5.58	1.42	3.92	5.16	1.46	3.53	5.15	1.63	3.15	5.72	1.95	2.93	7.01	2.49	2.81	7.02	3.33	2.11	7.26	3.23	2.25	5.66	3.75	1.51	/	/	/
0	6.11	1.23	4.96	5.72	1.35	4.23	5.39	1.47	3.66	5.93	1.81	3.28	7.66	2.63	2.91	7.51	2.93	2.56	7.56	2.90	2.61	6.29	3.48	1.81	/	/	/
5	6.83	1.14	6.01	5.78	1.24	4.65	6.26	1.36	4.59	6.77	1.71	3.95	8.68	2.44	3.56	8.63	2.80	3.08	9.03	3.00	3.01	8.58	3.42	2.51	7.51	3.56	2.11
7	6.96	1.08	6.45	5.66	1.06	5.36	6.38	1.26	5.08	6.97	1.56	4.46	9.02	2.28	3.96	9.02	2.58	3.49	9.89	3.16	3.13	9.39	3.38	2.78	7.88	3.40	2.32
10	7.35	1.05	7.01	6.52	1.15	5.69	6.92	1.27	5.44	7.44	1.62	4.59	9.58	2.31	4.15	9.52	2.66	3.58	10.1	3.01	3.35	9.77	3.25	3.01	8.59	3.40	2.53
15	7.40	0.93	7.98	7.57	1.05	7.23	7.39	1.18	6.26	8.42	1.62	5.21	10.3	2.22	4.64	10.8	2.69	4.02	10.9	3.00	3.63	10.5	3.15	3.33	9.09	3.42	2.66
20	6.66	0.70	9.45	6.76	0.82	8.27	6.65	0.92	7.21	8.17	1.36	6.02	9.03	1.85	4.89	9.12	2.25	4.05	9.76	2.58	3.79	9.44	2.87	3.29	/	/	/
25	6.62	0.64	10.3	6.61	0.78	8.45	6.55	0.81	8.07	7.95	1.17	6.81	8.98	1.61	5.57	9.22	1.97	4.69	9.32	2.21	4.21	9.06	2.69	3.37	/	/	/
30	7.26	0.63	11.5	7.58	0.81	9.38	8.38	0.96	8.71	8.93	1.21	7.35	8.92	1.47	6.05	9.25	1.74	5.32	8.91	1.95	4.56	9.08	2.66	3.41	/	/	/
35	7.76	0.62	12.6	8.28	0.79	10.5	9.05	0.94	9.58	9.45	1.21	7.82	9.39	1.47	6.38	9.77	1.73	5.66	9.16	1.94	4.72	/	/	/	/	/	/
40	8.26	0.60	13.8	9.06	0.75	12.1	9.75	0.93	10.5	9.89	1.19	8.33	9.68	1.46	6.65	10.1	1.72	5.86	/	/	/	/	/	/	/	/	/
43	8.67	0.61	14.2	9.51	0.75	12.6	10.2	0.94	10.8	10.6	1.23	8.61	10.6	1.51	7.02	10.6	1.73	6.12	/	/	/	/	/	/	/	/	/

Abbreviations:

LWT:Leaving water temperature(℃)

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

HC:Total heating capacity(kW)

PI:Power input(kW)

Table **VT-M16KW-P1H3-W / VT-M16KW-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	/	/	/	/	/	/	9.91	1.32	7.52	10.2	1.38	7.38	11.6	1.38	8.41
0	/	/	/	/	/	/	9.72	1.66	5.85	10.9	1.52	7.18	12.1	1.55	7.82
5	/	/	/	/	/	/	9.51	1.75	5.44	11.5	1.56	7.38	12.6	1.63	7.71
10	/	/	/	/	/	/	11.2	2.15	5.21	12.6	1.85	6.81	13.8	1.90	7.28
15	/	/	/	10.9	2.36	4.62	13.6	2.64	5.15	15.7	2.34	6.71	16.5	2.24	7.35
20	8.91	2.43	3.67	13.8	3.49	3.95	15.9	3.40	4.68	16.1	3.03	5.31	17.2	2.99	5.75
25	11.5	3.58	3.21	15.2	4.15	3.66	16.9	3.98	4.25	17.2	3.98	4.32	17.6	3.65	4.82
30	11.2	4.36	2.57	15.3	5.07	3.02	16.7	4.61	3.62	16.9	4.66	3.63	16.8	3.99	4.21
35	11.1	5.31	2.09	15.1	6.02	2.51	16.6	5.67	2.93	16.2	4.97	3.26	15.9	4.40	3.61
40	8.87	5.13	1.73	10.8	4.89	2.21	11.6	4.38	2.65	13.1	4.60	2.85	14.5	4.35	3.33
43	5.92	4.52	1.31	7.31	4.13	1.77	9.03	3.88	2.33	10.5	4.15	2.53	11.8	3.79	3.11

DB (℃)	Normal														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	8.01	0.94	8.52	8.76	1.03	8.51	9.66	1.01	9.57
0	/	/	/	/	/	/	7.86	1.17	6.69	9.32	1.11	8.36	10.1	1.11	9.12
5	/	/	/	/	/	/	7.65	1.29	5.91	9.57	1.16	8.25	10.5	1.24	8.48
10	/	/	/	/	/	/	9.13	1.60	5.69	10.2	1.34	7.63	11.1	1.38	8.05
15	/	/	/	8.51	1.70	5.01	11.2	1.86	6.02	13.5	1.79	7.55	13.9	1.68	8.28
20	6.97	1.81	3.85	11.1	2.59	4.29	12.9	2.66	4.85	14.5	2.61	5.55	15.1	2.34	6.44
25	9.25	2.69	3.44	12.8	3.21	3.99	14.1	3.34	4.22	15.5	3.36	4.61	15.2	2.75	5.52
30	9.29	3.37	2.76	12.5	3.81	3.28	14.2	3.82	3.72	15.1	3.76	4.02	15.1	3.19	4.74
35	8.85	4.04	2.19	12.2	4.49	2.72	13.5	4.21	3.21	14.2	3.96	3.59	14.5	3.59	4.04
40	7.26	3.92	1.85	9.18	3.76	2.44	10.2	3.49	2.92	11.8	3.68	3.21	13.2	3.45	3.83
43	4.88	3.59	1.36	5.76	3.08	1.87	7.18	2.92	2.46	8.96	3.22	2.78	9.44	2.74	3.45

DB (℃)	Minimum														
	LWT(℃)														
	5			10			15			20			25		
	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER	CC	PI	EER
-5	/	/	/	/	/	/	5.18	0.58	8.89	5.75	0.65	8.86	6.26	0.62	10.05
0	/	/	/	/	/	/	5.11	0.73	6.98	6.03	0.69	8.75	6.63	0.70	9.51
5	/	/	/	/	/	/	4.12	0.65	6.36	5.22	0.59	8.81	5.63	0.62	9.12
10	/	/	/	/	/	/	5.06	0.82	6.15	5.93	0.72	8.21	6.32	0.73	8.69
15	/	/	/	5.25	0.98	5.33	6.08	0.95	6.39	6.92	0.83	8.38	8.11	0.88	9.17
20	3.56	0.88	4.05	4.95	1.10	4.51	6.55	1.27	5.16	7.98	1.37	5.81	8.66	1.26	6.86
25	4.44	1.26	3.52	5.44	1.28	4.24	6.99	1.56	4.48	8.19	1.70	4.83	8.57	1.48	5.78
30	4.41	1.57	2.81	5.32	1.55	3.44	6.93	1.77	3.92	7.92	1.86	4.25	8.15	1.66	4.91
35	4.04	1.78	2.27	5.76	2.01	2.87	6.81	1.95	3.49	7.55	1.95	3.88	8.13	1.88	4.32
40	3.26	1.76	1.85	4.31	1.72	2.51	5.02	1.66	3.03	6.44	1.94	3.32	7.52	1.92	3.91
43	1.69	1.19	1.42	2.78	1.43	1.95	3.76	1.45	2.59	4.56	1.58	2.88	6.02	1.67	3.61

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.