

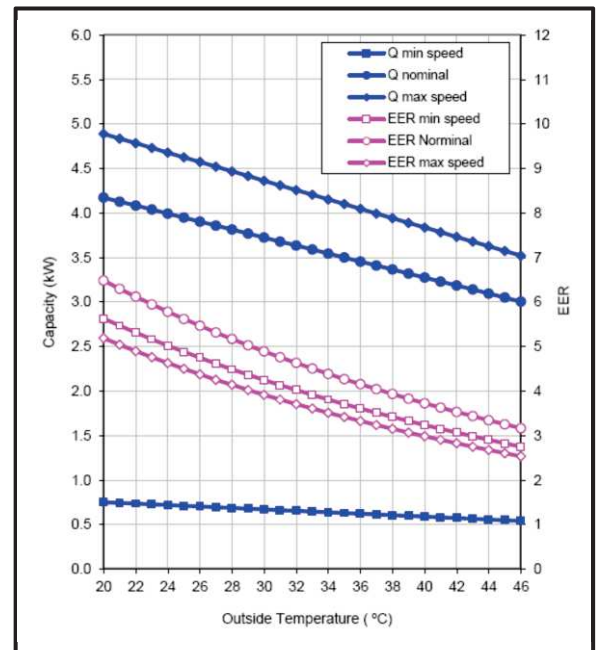
# Performance characteristic

Model: RAS-13G2KVP-E / RAS-13G2AVP-E  
 Product specification:

Condition		Capacity (kW)	Power (kW)	EER or COP
Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°C WB	Min	0.63	0.170	3.71
	Rated	3.50	0.820	4.27
	Max	4.10	1.200	3.42
Heating JIS In: 20°C DB/15°C WB Out: 7°C DB/6°C WB	Min	0.65	0.140	4.64
	Rated	4.00	0.800	5.00
	Max	6.30	1.770	3.56
Heating Low Temp. In: 20°C DB/15°C WB Out: 2°C DB/1°C WB	Max	4.80	1.550	3.10

Cooling performance characteristic:

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	0.75	0.13	5.63	4.17	0.64	6.48	4.89	0.94	5.19
21	0.74	0.14	5.47	4.13	0.66	6.30	4.84	0.96	5.04
22	0.74	0.14	5.31	4.08	0.67	6.12	4.78	0.98	4.90
23	0.73	0.14	5.16	4.04	0.68	5.95	4.73	0.99	4.76
24	0.72	0.14	5.02	3.99	0.69	5.78	4.68	1.01	4.63
25	0.71	0.15	4.88	3.95	0.70	5.62	4.63	1.03	4.50
26	0.70	0.15	4.75	3.90	0.71	5.47	4.57	1.05	4.38
27	0.69	0.15	4.62	3.86	0.73	5.32	4.52	1.06	4.26
28	0.69	0.15	4.49	3.81	0.74	5.17	4.47	1.08	4.14
29	0.68	0.16	4.37	3.77	0.75	5.03	4.42	1.10	4.03
30	0.67	0.16	4.25	3.72	0.76	4.89	4.36	1.11	3.92
31	0.66	0.16	4.13	3.68	0.77	4.76	4.31	1.13	3.81
32	0.65	0.16	4.02	3.63	0.78	4.63	4.26	1.15	3.71
33	0.65	0.17	3.91	3.59	0.80	4.51	4.21	1.17	3.61
34	0.64	0.17	3.81	3.54	0.81	4.39	4.15	1.18	3.51
35	<b>0.63</b>	<b>0.17</b>	<b>3.71</b>	<b>3.50</b>	<b>0.82</b>	<b>4.27</b>	<b>4.10</b>	<b>1.20</b>	<b>3.42</b>
36	0.62	0.17	3.61	3.46	0.83	4.15	4.05	1.22	3.33
37	0.61	0.17	3.51	3.41	0.84	4.04	3.99	1.23	3.24
38	0.61	0.18	3.42	3.37	0.86	3.93	3.94	1.25	3.15
39	0.60	0.18	3.33	3.32	0.87	3.83	3.89	1.27	3.07
40	0.59	0.18	3.24	3.28	0.88	3.73	3.84	1.29	2.98
41	0.58	0.18	3.15	3.23	0.89	3.63	3.78	1.30	2.90
42	0.57	0.19	3.07	3.19	0.90	3.53	3.73	1.32	2.83
43	0.57	0.19	2.98	3.14	0.91	3.44	3.68	1.34	2.75
44	0.56	0.19	2.90	3.10	0.93	3.34	3.63	1.35	2.68
45	0.55	0.19	2.83	3.05	0.94	3.25	3.57	1.37	2.60
46	0.54	0.20	2.75	3.01	0.95	3.17	3.52	1.39	2.53



Heating performance characteristic:

Outside Temp (°C)	Min capacity			Rated capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-15	0.28	0.09	3.04	1.73	0.53	3.28	2.72	1.17	2.33
-10	0.38	0.10	3.64	2.25	0.59	3.81	3.54	1.30	2.71
-9	0.39	0.11	3.66	2.35	0.60	3.90	3.70	1.33	2.78
-8	0.39	0.11	3.67	2.42	0.61	3.96	3.83	1.35	2.83
-7	<b>0.40</b>	<b>0.11</b>	<b>3.69</b>	<b>2.47</b>	<b>0.62</b>	<b>3.97</b>	<b>3.93</b>	<b>1.37</b>	<b>2.86</b>
-6	0.41	0.11	3.70	2.52	0.63	3.99	4.02	1.39	2.89
-5	0.42	0.11	3.72	2.57	0.64	4.00	4.12	1.41	2.91
-4	0.42	0.11	3.73	2.61	0.65	4.02	4.22	1.43	2.94
-3	0.43	0.12	3.74	2.66	0.66	4.03	4.31	1.45	2.97
-2	0.44	0.12	3.75	2.71	0.67	4.04	4.41	1.47	3.00
-1	0.45	0.12	3.77	2.76	0.68	4.06	4.51	1.49	3.02
0	0.46	0.12	3.78	2.80	0.69	4.07	4.61	1.51	3.05
1	0.46	0.12	3.79	2.85	0.70	4.08	4.70	1.53	3.07
2	<b>0.47</b>	<b>0.12</b>	<b>3.80</b>	<b>2.90</b>	<b>0.71</b>	<b>4.09</b>	<b>4.80</b>	<b>1.55</b>	<b>3.10</b>
3	0.58	0.13	4.44	2.95	0.72	4.11	4.90	1.57	3.12
4	0.60	0.13	4.49	2.99	0.73	4.12	4.99	1.59	3.14
5	0.62	0.14	4.54	3.04	0.74	4.13	5.09	1.61	3.17
6	0.63	0.14	4.59	3.09	0.79	4.95	6.14	1.74	3.52
7	<b>0.65</b>	<b>0.14</b>	<b>4.64</b>	<b>4.00</b>	<b>0.80</b>	<b>5.00</b>	<b>6.30</b>	<b>1.77</b>	<b>3.56</b>
8	0.67	0.14	4.69	4.10	0.81	5.05	6.46	1.80	3.60
9	0.68	0.14	4.74	4.21	0.82	5.10	6.63	1.82	3.63
10	0.70	0.15	4.78	4.31	0.84	5.15	6.79	1.85	3.66
11	0.72	0.15	4.82	4.41	0.85	5.19	6.95	1.88	3.70
12	0.73	0.15	4.87	4.52	0.86	5.24	7.11	1.91	3.73
13	0.75	0.15	4.91	4.62	0.87	5.28	7.28	1.93	3.76
14	0.77	0.16	4.95	4.72	0.89	5.33	7.44	1.96	3.79
15	0.78	0.16	4.98	4.83	0.90	5.37	7.60	1.99	3.82
16	0.80	0.16	5.02	4.93	0.91	5.41	7.76	2.02	3.85
17	0.82	0.16	5.06	5.03	0.92	5.45	7.93	2.04	3.88
18	0.83	0.16	5.09	5.14	0.94	5.49	8.09	2.07	3.90
19	0.85	0.17	5.13	5.24	0.95	5.52	8.25	2.10	3.93
20	0.87	0.17	5.16	5.34	0.96	5.56	8.41	2.13	3.96
21	0.88	0.17	5.19	5.45	0.97	5.59	8.58	2.15	3.98
22	0.90	0.17	5.23	5.55	0.99	5.63	8.74	2.18	4.01
23	0.92	0.17	5.26	5.65	1.00	5.66	8.90	2.21	4.03
24	0.94	0.18	5.29	5.75	1.01	5.69	9.06	2.24	4.05

