

3.1 Capacity tables

3.1.1 Nominal capacity-performance tables

3.1.1.1 Considerations

- The heating capacity tables show the capacity and performance data in integrated values (with defrost correction factor included).
- The nominal heating and cooling capacities are based on the EN 14511 standard: Piping length: 7.5 meters; Piping lift: 0 meters.

Keywords:

- CAP: Nominal capacity (kW)
- COP: Coefficient of performance
- EER: Energy efficiency ratio
- DB: Dry bulb; WB: Wet bulb (°C)
- OAT: Outdoor ambient temperature (°C)
- WIT: Water inlet temperature (°C)
- WOT: Water outlet temperature (°C)

3.1.1.2 Capacity-performance data

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HP				2.0 HP	2.5 HP	3.0 HP	4.0 HP	5.0 HP	6.0 HP	8.0 HP	10.0 HP
Outdoor unit model				RAS-2 WHVNP	RAS-2.5 WHVNP	RAS-3 WHVNP	RAS-4 WH(V)NPE	RAS-5 WH(V)NPE	RAS-6 WH(V)NPE	RAS-8 WHNPE	RAS-10 WHNPE
Indoor unit model				RWM-2.0 NE(-W)	RWM-2.5 NE(-W)	RWM-3.0 NE(-W)	RWM-4.0 NE(-W)	RWM-5.0 NE(-W)	RWM-6.0 NE(-W)	RWM-8.0 NE(-W)	RWM-10.0 NE(-W)
OAT (DB/WB)	WIT / WOT	-	Unit	Heating operation							
7 / 6 °C	30 / 35 °C	CAP (Min./Nom./Max.)	kW	1.85 /4.3/7.0	1.95 /6.0/9.0	2.1/ 7.5/11.0	4.3 /11.0/15.2	4.8 /14.0/16.7	5.5 /16.0/17.8	9.0 /20.0/25.5	10.0 /24.0/32.0
		COP (Nom.)	-	5.25	4.80	4.55	5.00	4.71	4.57	4.30	4.29
	40 / 45 °C	CAP (Nom./Max.)	kW	4.3/6.2	6.0/9.0	7.5/10.0	11.0/14.1	14.0/15.7	16.0/17.3	20.0/25.0	24.0/32.0
		COP (Nom.)	-	3.90	3.59	3.50	3.98	3.61	3.40	3.40	3.30
	47 / 55 °C	CAP (Nom./Max.)	kW	4.3/6.0	6.0/8.0	7.5/9.2	11.0/13.5	14.0/15.2	16.0/17.0	20.0/24.0	24.0/32.0
		COP (Nom.)	-	3.00	2.89	2.57	3.00	2.80	2.50	2.72	2.65
2 / 1 °C	30 / 35 °C	CAP (Nom./Max.)	kW	3.5/5.5	4.5/7.0	5.5/8.9	9.5/12.8	10.5/13.9	11.1/15.0	12.3/20.0	13.0/20.7
		COP (Nom.)	-	4.10	3.65	3.53	3.61	3.55	3.41	3.41	3.31
-7 / -8 °C	30 / 35 °C	CAP (Nom./Max.)	kW	4.3/4.7	5.3/5.7	5.8/6.7	9.7/10.6	11.5/12.0	12.0/13.0	14.2/17.9	16.5/21.0
		COP (Nom.)	-	2.85	2.60	2.57	2.74	2.65	2.57	2.57	2.46
	40 / 45 °C	CAP (Nom./Max.)	kW	4.3/4.6	5.0/5.5	6.0/6.4	10.0/10.0	11.0/11.6	11.5/12.5	15.0/16.6	16.5/18.5
		COP (Nom.)	-	2.45	2.25	2.25	2.45	2.25	2.15	2.08	1.74
	47 / 55 °C	CAP (Nom./Max.)	kW	4.0/4.2	4.6/5.0	5.0/5.5	8.7/9.7	9.7/11.2	10.5/12.0	12.5/14.5	15.5/17.3
		COP (Nom.)	-	1.93	1.82	1.60	1.78	1.85	1.75	1.70	1.50

OAT (DB/WB)	WIT / WOT	-	Unit	Cooling operation (Using cooling kit accessory)							
35 / -- °C	12 / 7 °C	CAP (Nom/Max)	kW	3.8/4.9	5.0/5.8	6.0/7.0	7.2/11.8	9.5/12.6	10.5/13.7	14.0/16.4	17.5/20.6
		EER (Nom.)	-	3.12	3.15	2.75	3.54	3.54	3.31	3.12	2.81
	23 / 18 °C	CAP (Nom/Max)	kW	4.1/6.1	5.5/7.4	6.0/8.5	10.4/15.0	12.9/16.0	13.5/17.5	17.0/23.5	20.0/27.0
		EER (Nom.)	-	3.81	3.81	3.81	4.50	4.02	3.81	3.81	3.61