

BMKH2420FCC-OSA

24,000 BTU Heat Pump Performance Specifications

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Cooling Performance

Indoor Temperature: 75°F DB / 63°F WB | Maximum values at specified outdoor temperatures

Outdoor Temp (°F)	Total Capacity (BTU/h)	Power Input (Watts)	COP
-15°F	13,122	1,528	2.52
-5°F	14,553	1,536	2.78
5°F	16,118	1,609	2.94
15°F	17,630	1,632	3.17
35°F	18,869	1,793	3.08
45°F	21,541	1,902	3.32
60°F	23,729	2,023	3.44
75°F	25,397	2,115	3.52
85°F	26,342	2,279	3.39
95°F	27,567	2,390	3.38
105°F	26,748	2,506	3.13
115°F	24,927	2,575	2.84
122°F	21,884	2,625	2.44

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Heating Performance

Indoor Temperature: 70°F DB | Maximum values at specified outdoor temperatures

Outdoor Temp (°F)	Total Capacity (BTU/h)	Power Input (Watts)	COP
-22°F	15,311	2,292	1.96
-15°F	16,250	2,338	2.04
-5°F	17,909	2,386	2.20
5°F	19,225	2,485	2.27
17°F	22,103	2,621	2.47
25°F	23,521	2,694	2.56
35°F	25,842	2,786	2.72
47°F	30,708	2,920	3.08
55°F	32,486	3,008	3.17
65°F	34,712	3,312	3.07

Important Performance Notes

- **COP (Coefficient of Performance):** Higher values indicate better energy efficiency
- **Cooling Performance:** Data based on indoor temperature of 75°F DB / 63°F WB
- **Heating Performance:** Data based on indoor temperature of 70°F DB
- **Extended Temperature Range:** operates efficiently from -22°F to 129°F outdoor conditions
- **Cold Climate Performance:** Maintains heating capacity even at sub-zero temperatures
- **Energy Efficiency:** Optimal performance typically occurs in moderate temperature ranges