

BNG2A30SCN-36EN(B/C)

NG2 Series

30,000 BTU Heat Pump Performance Specifications



BNG2A30SCN-36EN(B/C)

Cooling Performance

Indoor Temperature: 73.4°F | Maximum values at specified outdoor temperatures

Outdoor Temp (°F)	Total Capacity (BTU/h)	Power Input (Watts)	COP
-13	33,610	1,630	6.04
-4	36,196	1,690	6.28
5	38,678	1,750	6.48
17	37,714	1,820	6.07
35	34,632	1,830	5.55
47	33,309	1,840	5.31
59	31,345	1,950	4.71
77	28,403	2,110	3.95
86	30,154	2,570	3.44
95	33,727	3,240	3.05
104	33,072	3,380	2.87
110	32,677	3,470	2.76
115	25,218	2,580	2.86
122	15,097	1,400	3.16

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Heating Performance

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

Outdoor Temp (°F)	Total Capacity (BTU/h)	Power Input (Watts)	COP
-13	15,525	2,880	1.58
-4	18,009	2,860	1.85
5	20,813	3,110	1.96
17	24,573	2,930	2.46
27	24,249	2,920	2.43
37	25,392	2,890	3.00
47	32,404	2,760	3.44
57	26,429	2,230	3.47
64.4	22,007	1,830	3.52

Important Performance Notes

- COP (Coefficient of Performance):** Higher values indicate better energy efficiency
- Cooling Performance:** Data based on indoor temperature of 73.4°F
- Heating Performance:** Data based on indoor temperature of 70°F
- Extended Temperature Range:** NG2 series operates efficiently from -13°F to 122°F outdoor conditions
- Cold Climate Performance:** Maintains heating capacity even at sub-zero temperatures
- Energy Efficiency:** Optimal performance typically occurs in moderate temperature ranges