

BNG2Z36SCN+BNGFZ36DH0

NG2 Series

36,000 BTU Heat Pump Performance Specifications

BNG2Z36SCN+BNGFZ36DH0

Cooling Performance

Indoor Temperature: 75°F | Maximum values at specified outdoor temperatures

Outdoor Temp (°F)	Total Capacity (BTU/h)	Power Input (Watts)	COP
5	29,300	2,020	4.25
15	29,300	2,030	4.23
35	29,300	2,050	4.19
45	29,300	2,110	4.07
55	29,300	2,160	3.98
75	32,100	2,260	4.16
85	32,300	2,450	3.86
95	32,300	2,670	3.30
105	28,000	2,790	2.94
110	26,000	2,740	2.78
115	23,800	2,700	2.58

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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
5	21,600	3,160	2.00
15	25,300	3,020	2.46
25	33,800	3,700	2.68
35	34,000	3,120	3.19
45	34,000	2,960	3.37
65	37,000	2,750	3.94
75	37,000	2,480	4.37

Important Performance Notes

- **COP (Coefficient of Performance):** Higher values indicate better energy efficiency
- **Cooling Performance:** Data based on indoor temperature of 75°F
- **Heating Performance:** Data based on indoor temperature of 70°F
- **Extended Temperature Range:** NG2 series operates efficiently across a wide range of outdoor conditions
- **Cold Climate Performance:** Maintains heating capacity down to 5°F outdoor temperature
- **Energy Efficiency:** Optimal performance typically occurs in moderate temperature ranges