

SUBMITTAL DATA SHEET

Inverter Heat Pump Condensing Unit

Location:

Approval:

Engineer:

Date:

Submitted to:

Construction:

Submitted by:

Unit #:

Reference:

Drawing #:

UNIT SPECIFICATION

Model Number		BNG2Z36SCN
Series		Next Gen
Cooling Capacity	BTU/hr	34,000
Heating Capacity	BTU/hr	34,000
SEER2		19
HSPF2		8.3
EER2	(BTU/h)/W	11.7
COP	W/W	3.48

COMPRESSOR

Type		Inverter Rotary
Model		FTz-SM240AHAD
RLA	A	17.5
LRA	A	N/A
Oil Type		FW68L

OUTDOOR FAN

Fan Type		Axial-flow
Fan Quantity		1
Motor Output		2×1/8 HP
Motor Speed		800 rpm
Airflow	CFM	2235
Sound Pressure Level	dBA	60
Sound Power Level	dBA	70

ELECTRICAL

Power Supply	208-230V / 1Ph / 60Hz
Voltage Range	187-253 V
Cooling Power Input	2.91 kW
Heating Power Input	2.85 kW
Max Cooling Power	3.1 kW
Max Heating Power	2.6 kW

Cooling Current	14.1 A
Heating Current	13.8 A
MCA (Min. Circuit Ampacity)	21.6 A
Max. Over Current Protection	25 A

REFRIGERANT	
Refrigerant Type	R32
Refrigerant Charge	98.8 oz
GWP	675

DIMENSIONS	
Dimension (W × D × H)	36.25" × 14.56" × 29.38"
Net Weight	125.0 lbs
Gross Weight	133.4 lbs

OPERATING CONDITIONS / PIPING	
Cooling Ambient Range	5°F to 118°F (-15°C to 48°C)
Heating Ambient Range	5°F to 75°F (-15°C to 24°C)
Liquid Line (OD)	3/8"
Gas Line (OD)	3/4"
Pre-Charged Line Set	24.6 ft
Max. Line Set Length	98.4 ft
Max. Height Difference	49.2 ft
Additional Refrigerant	0.215 oz/ft

RLA: Rated Load Amps | FLA: Full Load Amps | MCA: Minimum Circuit Ampacity | GWP: Global Warming Potential

AHRI Certified | ETL Listed

Model: BNG2Z36SCN