

SUBMITTAL DATA SHEET

Inverter Ducted Heat Pump System

Location:

Approval:

Engineer:

Date:

Submitted to:

Construction:

Submitted by:

Unit #:

Reference:

Drawing #:

SYSTEM INFORMATION

System Model		BNG3Z60UCN-60DH
Cooling Capacity	BTU/hr	53000
Heating Capacity	BTU/hr	53000
SEER2		18.5~19
HSPF2		10~10.5
EER2	(BTU/h)/W	11.7
COP	W/W	3.4

OUTDOOR UNIT SPECIFICATION

Model Number		BNG3Z60UCN
Compressor Type		Inverter Rotary
Compressor RLA	A	30.1
Fan Type		Axial-flow
Fan Quantity		2
Fan Motor Output		2×1/6 HP
Airflow	CFM	4000
Sound Pressure Level	dBA	63
Dimension (W × D × H)	inch	35.4 × 13.4 × 49.6
Net/Gross Weight	lbs	241.4 / 263.5

AIR HANDLER SPECIFICATION

Model Number		BNG3Z60DH0
Unit Type		Multi-Position Air Handler
Fan Type		Centrifugal
Fan Motor Output		1 HP
Fan Motor FLA	A	6.00
Airflow	CFM	1500
External Static Pressure	inWG	0.5
Static Pressure Range	inWG	0-1
Sound Pressure Level	dBA	53
Electric Heater Options	W	6000/9000/12000 W
Dimension (W × D × H)	inch	24.80 × 21.26 × 51.97

Net/Gross Weight	lbs	199.5 / 218.3
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ELECTRICAL	
Power Supply	208-230V / 1Ph / 60Hz
Cooling Power Input	4.53 kW
Heating Power Input	4.65 kW
Cooling Current	24.53 A
Heating Current	23.44 A
MCA (Min. Circuit Ampacity)	39.9 A
Max. Over Current Protection	45 A

REFRIGERANT	
Refrigerant Type	R32
Refrigerant Charge	162.3 oz
GWP	675

OPERATING CONDITIONS	
Cooling Ambient Temperature Range	5°F to 129°F (-15°C to 54°C)
Heating Ambient Temperature Range	-22°F to 75°F (-30°C to 24°C)

PIPING / LINE SET	
Liquid Line (OD)	3/8"
Gas/Suction Line (OD)	3/4"
Pre-Charged Line Set Length	24.6 ft
Max. Line Set Length	98.4 ft
Max. Height Difference	49.2 ft
Additional Refrigerant Charge	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: BNG3Z60UCN-60DH