



Submittal Data Sheet

Series Name:NG BLU+ SINGLE ZONE SERIES

High Wall Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	470.9 / 400.2 / 329.6 / 270.8 / 270.8	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	49.0/45/38/23/19	
Dimension (W×D×H)	inch	38.23 x 8.98 x 12.64
	mm	971.0×228.0×321.0
Package (W×D×H)	inch	41.14 x 12.01 x 15.94
	mm	1045×305×405
Net/Gross Weight	lbs	25.35/32.85
	kg	11.5/14.9

OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Compressor Model	KSN140D21UFZ	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	440	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1235.3	
Outdoor Noise Level (dBA)	58.0	
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0×330.0×554.0
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915×370×615
Net/Gross Weight	lbs	72.31/78.48
	kg	32.8/35.6

EFFICIENCY			
Cooling		Heating	
SEER2	20.2	HSPF2-4	9.1
EER2	11.5	COP	3.08

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	2600~18600
Moisture Removal(L/h)	2.5
Standard Operating Range(°F/°C)	5~122(-15~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

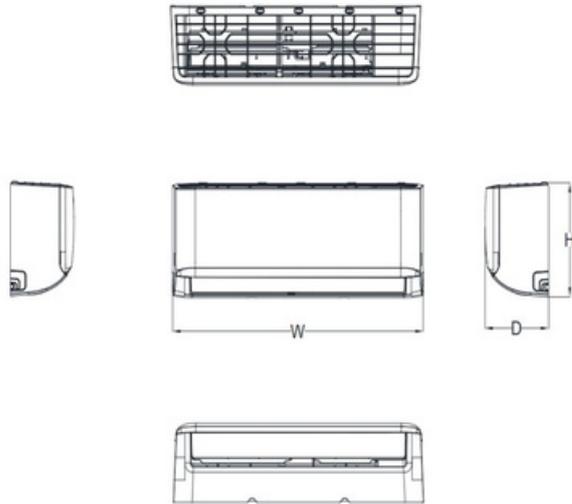
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	18800
1. @ 47°F Min/Max Capacity	6100~19200
2. @ 17°F Rated	11700
3. @ 5°F Rated: Capacity / COP	11500/2.00
3. @ 5°F Max: Capacity	11500
Standard Operating Range(°F/°C)	5~75(-15~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	15.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1565(280 ~ 1680)
System Power Input @ Heating (W)	1790(365 ~2010)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	
	W: Fan motor rated output (W)

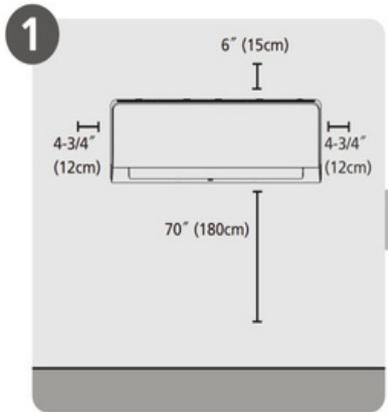
PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	40.57(1.15)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16(15)
Connection Method	Flared

NG products are subject to continuous improvements. NG reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations. Actual unit design may differ from images shown in this submittal sheet.

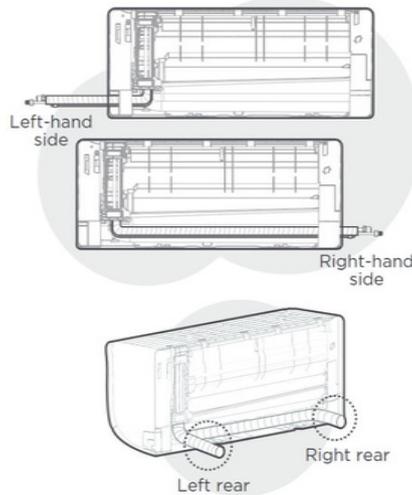
Indoor Unit Dimension



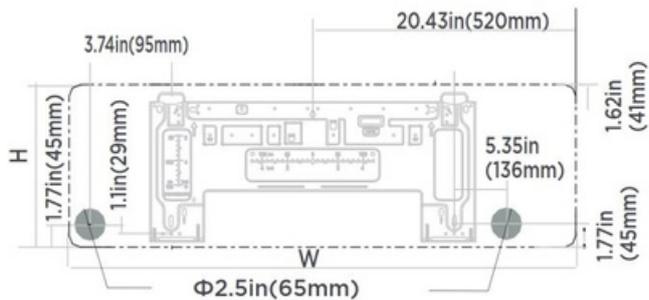
Capacity	Body Code	W(inch/mm)	D(mm/inch)	H(mm/inch)
6K~9K	A	28-3/4in /729mm	7-7/8in /200mm	11-1/2in /292mm
9K~12K	B	31-5/8in /802mm	7-7/8in /200mm	11-5/8in /295mm
18K	C	38-1/4in /971mm	9in/228mm	12-5/8in /321mm
18K~24K	D	42-5/8in /1082mm	9-1/4in/234mm	13-1/4in /337mm
30K~36K	F	49-5/8in /1259mm	11-1/8in/283mm	14-1/4in /362mm



Select Installation Location



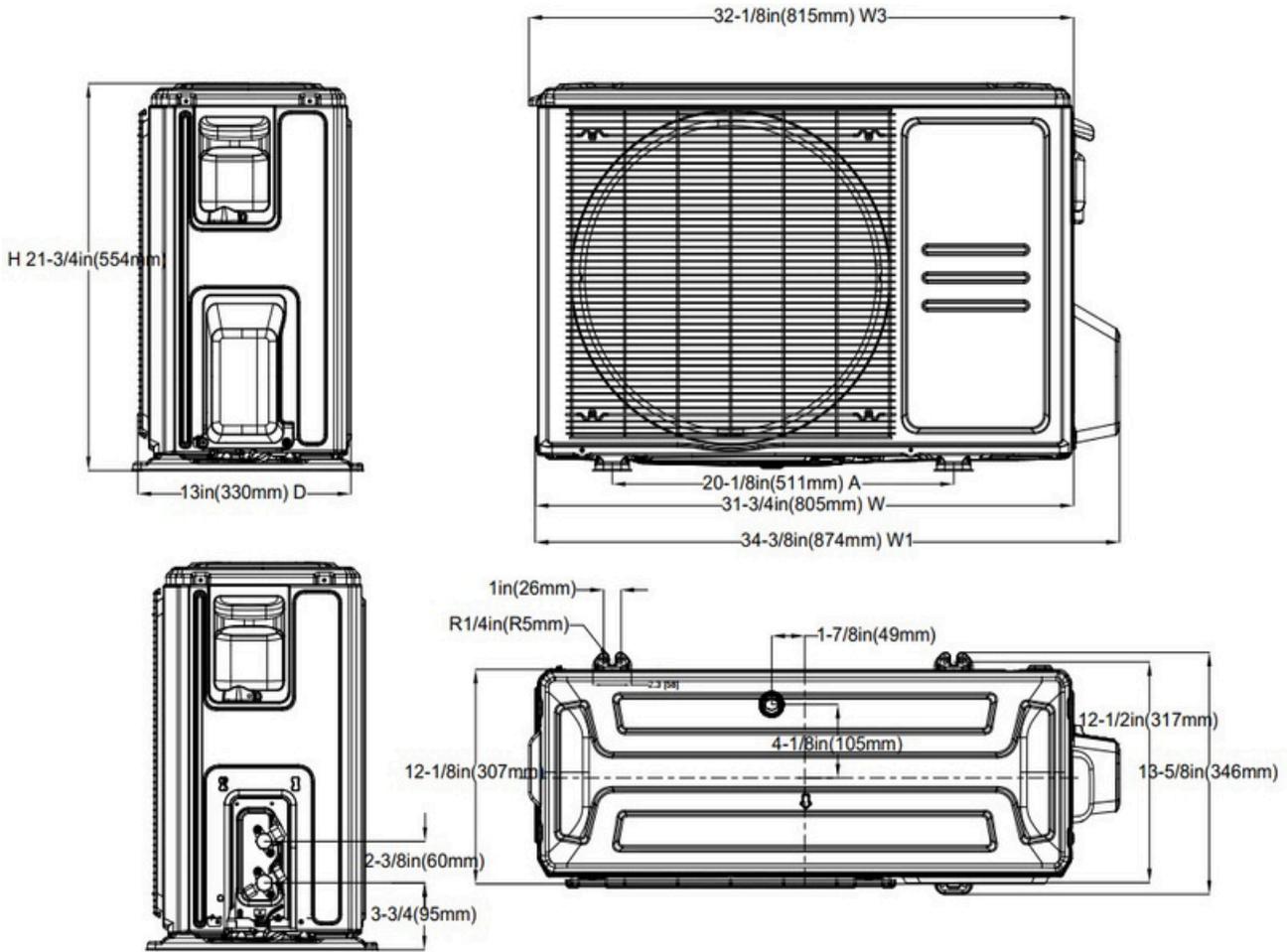
NOTE: Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



Indoor unit dimensions(WxH):
38.2in(971mm)x12.6in(321mm)

NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction

