



SUBMITTAL DATA

FLEXX Ultra 16 SEER 24KBTU

Model: GUD24AH2/E-D(U) & GUD24W2/NHE-D(U)

Job Name

Purchaser

Submitted to

Unit Designation

Location

Date

Engineer

For

Schedule No.



GUD24AH2/E-D(U)



GUD24W2/NHE-D(U)

GENERAL FEATURES:

- AHRI Certificate: [214610240](#)
- High Efficiency DC Inverter Technology
- 24VAC Thermostat Compatible
- Zero Lot Line Design
- 8 Speed Fan Motor
- Cooling down to -15°C (5°F)
- Heating down to -30°C (-22°F)
- Designed for New Construction or Replacement Market
- Compact and Quiet, as low as 56 dB(A) Side Discharge outdoor unit
- Coil (Outdoor) Copper Tube/Aluminum Fin with Anti-Corrosion
- Coil Coating (Gold Colored Fin - 1500Hr Salt Spray Rating)
- Coil (Indoor) Copper Tube/Aluminum Fin with Anti-Corrosion
- Coil Coating (Blue Colored Fin - 500Hr Salt Spray Rating)



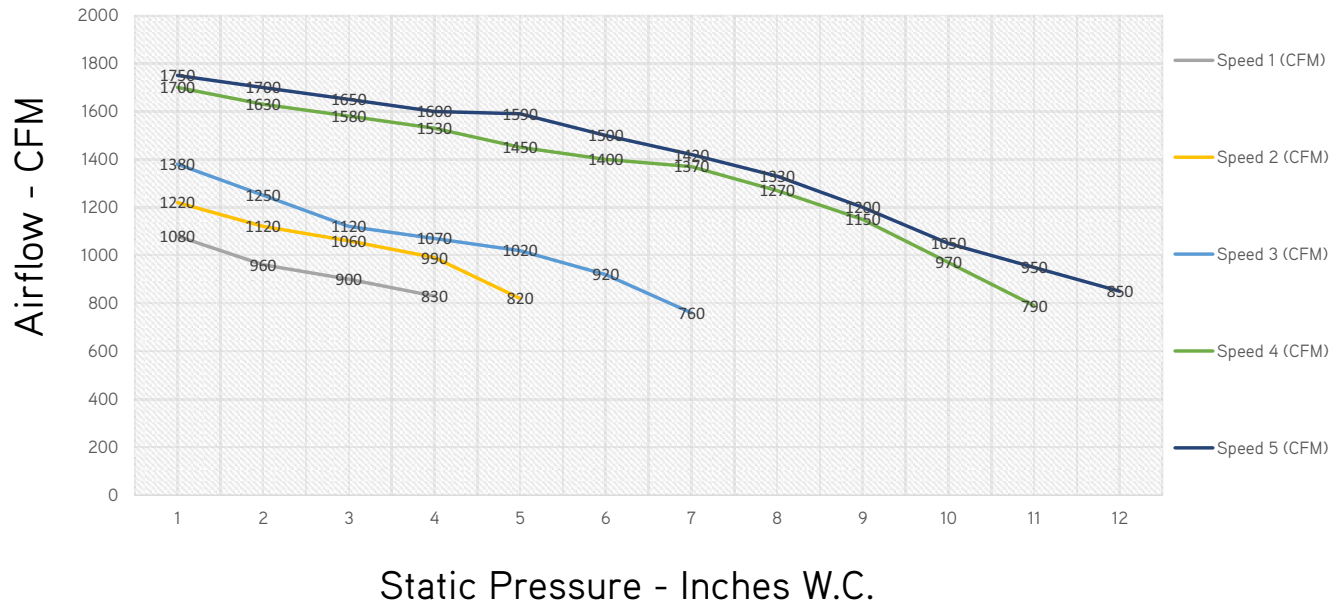
Tel: +1-604-370-5676
Email: Airtek@greehvac.ca
Website: GREEHVAC.ca

12720 Bathgate Way
Richmond, BC V6V 1Z4
Canada

SPECIFICATIONS & FUNCTIONS:

Outdoor Model			GUD24W2/NHE-D(U)
Indoor Model			GUD24AH2/E-D(U)
Power Supply		V/Ph/Hz	208/230V~ 60Hz
Cooling	Capacity	Btu/h	24000
	Power	W	2051
	EER2	Btu/h/W	11.7
	SEER2	-	16.0
Heating	Capacity	Btu/h	24000
	Power	W	2010
	COP2	W/W	3.50
	HSPF2	-	9.5
External Static Pressure	Rated	in.wc	0.5
	Range	in.wc	0~1.0
Outdoor Unit Dimension (W×D×H)	Outline	inch	39×14-9/16×37-13/16
	Package	inch	45-3/8×18-13/16×43-11/16
Outdoor Unit Weight	Net	lbs.	187.4
	Gross	lbs.	211.6
Indoor Unit Dimension (W×D×H)	Outline	inch	18-1/8×21-1/4×43-1/2
	Package	inch	20-5/8×26×45-5/8
Indoor Unit Weight	Net	lbs.	135.6
	Gross	lbs.	144.4
Connecting Pipe	Liquid	inch	3/8
	Gas	inch	3/4
	Max Height	ft	98
	Max Length	ft	165
Operation Temperature Range	Cooling	°F	5~129
	Heating	°F	-22~75

FAN PERFORMANCE



STATIC PRESSURE Inches W.C.	0	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Speed 1 - CFM	1080	960	900	830								
Speed 2 - CFM	1220	1120	1060	990	820							
Speed 3 - CFM	1380	1250	1120	1070	1020	920	760					
Speed 4 - CFM	1700	1630	1580	1530	1450	1400	1370	1270	1150	970	790	
Speed 5 - CFM	1750	1700	1650	1600	1590	1500	1420	1330	1200	1050	950	850

NOTE:

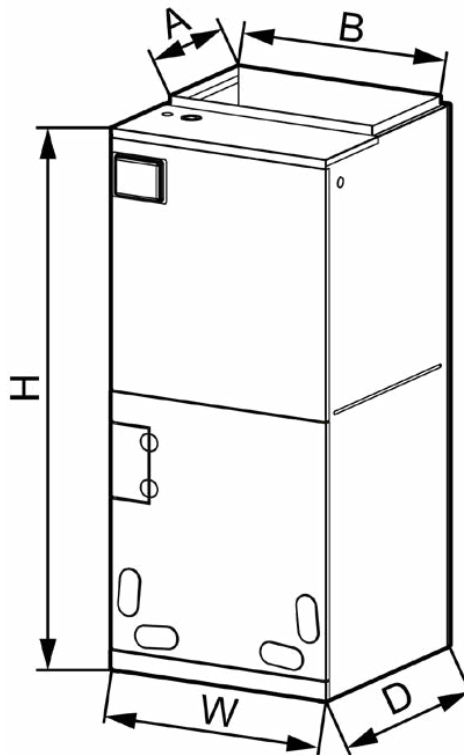
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

DIMENSIONS

INDOOR UNIT

Unit: inch

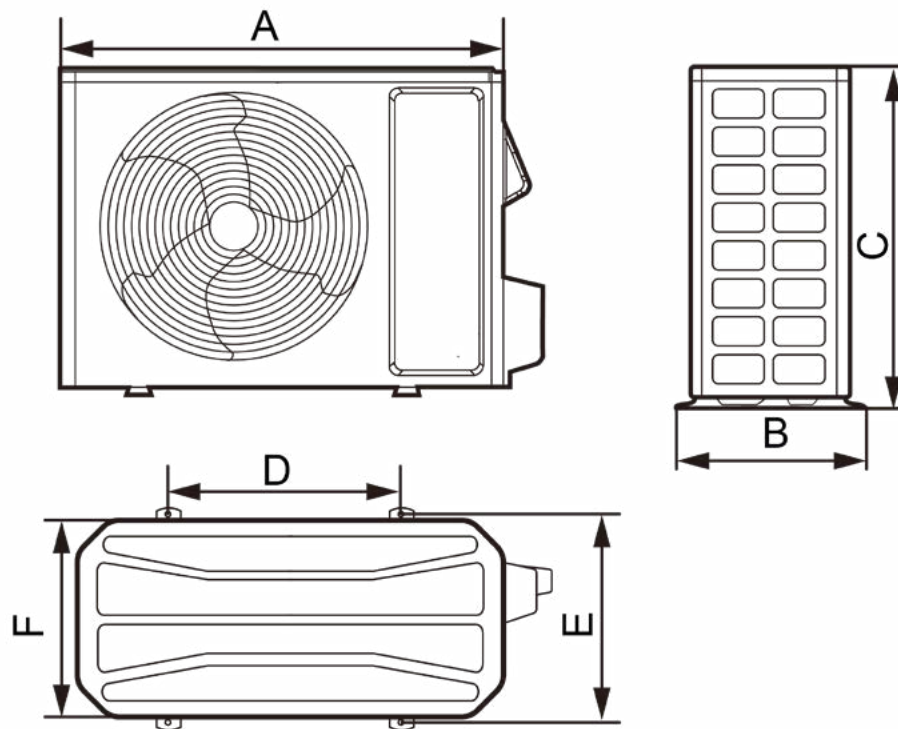
GUD24AH2/E-D(U)	
DIMENSIONS	
A	11-5/8
B	16-3/4
H	43-1/2
W	18-1/8
D	21-1/4



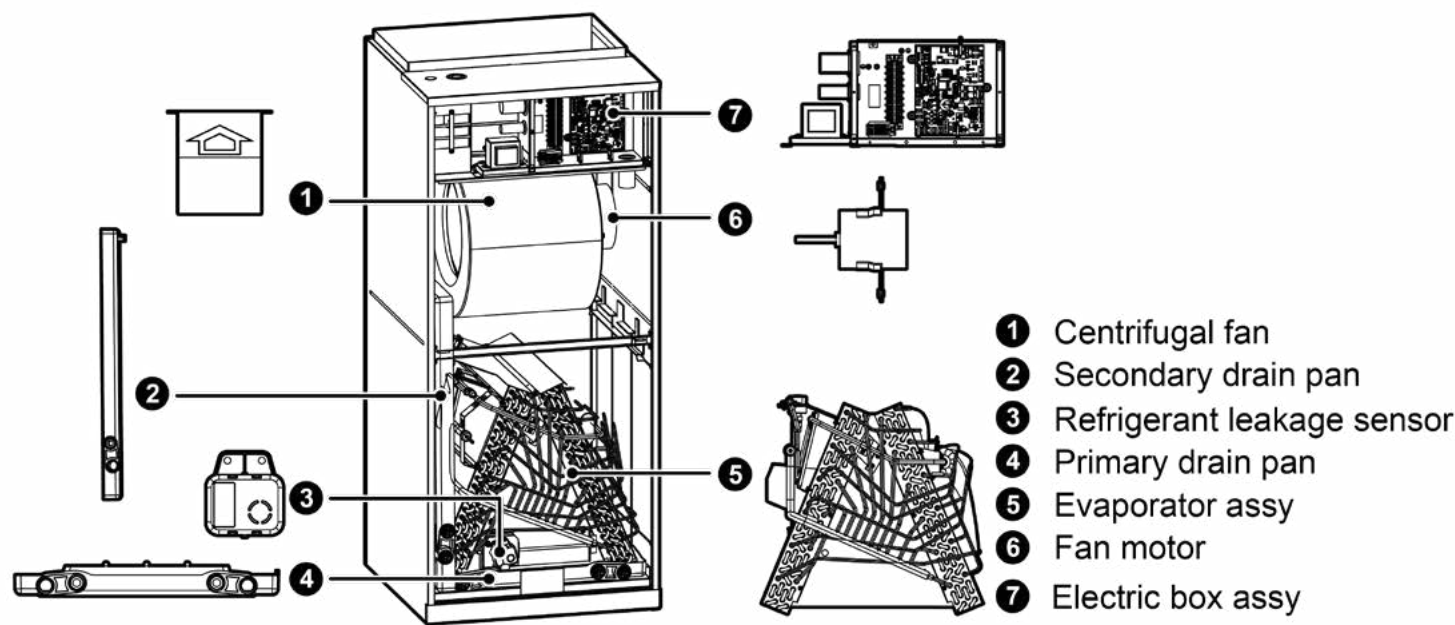
OUTDOOR UNIT

Unit: inch

GUD24W2/NhE-D(U)	
DIMENSIONS	
A	39
B	16-13/16
C	37-13/16
D	29-3/4
E	15-9/16
F	14-9/16



ACCESSORY HEATER AND GENERAL INFORMATION



MODEL	Heat Kit Model	Part Number	Electric Heat (kW)		Min. Circuit Ampacity (A)		Max Fuse or Breaker (A)	
			208V	230V	208V	230V	208V	230V
GUD24AH2/E-D(U)	320004060223	FLEXA2LHTR06	4.5	5.5	32	34.5	35	35

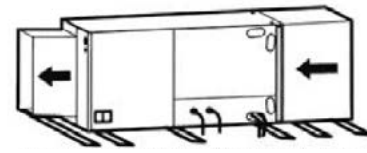
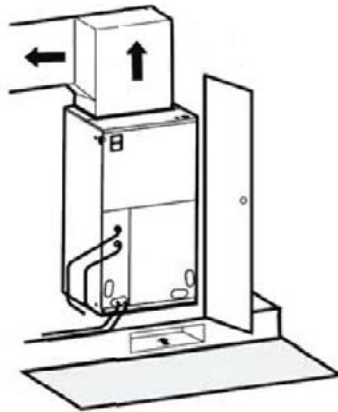
CLEARANCES

INDOOR UNIT

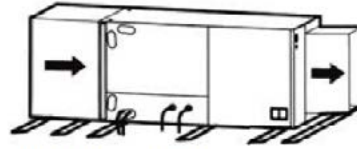
Minimum clearance

FRONT

> 24



Horizontal Left Configuration - No Modification Needed



Horizontal Right Configuration - Must Relocate Drain Pan

NOTE:

Allow a minimum of 24" in front of the unit for service clearance. When installing in an area directly over a finished ceiling (such as an attic), an emergency drain pan is required directly under the unit. **See local and state codes for requirements.** When installing this unit in an area that may become wet, elevate the unit with a sturdy, non-porous material. In installations that may lead to physical damage (i.e. a garage) it is advised to install a protective barrier to prevent such damage. This air handler is designed for a complete supply and return ductwork system.

OUTDOOR UNIT

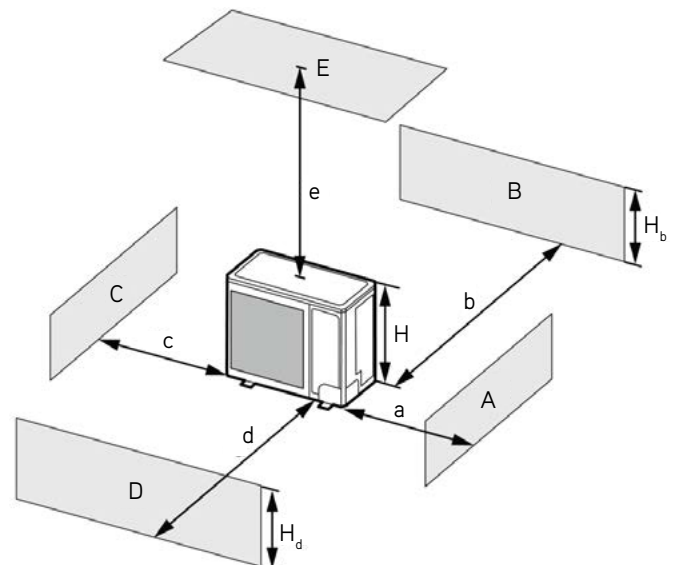
Minimum clearance

NOTE:

Install the Outdoor Unit **2 Inches** Above the Expected Snow Line

1. When one outdoor unit is to be installed.

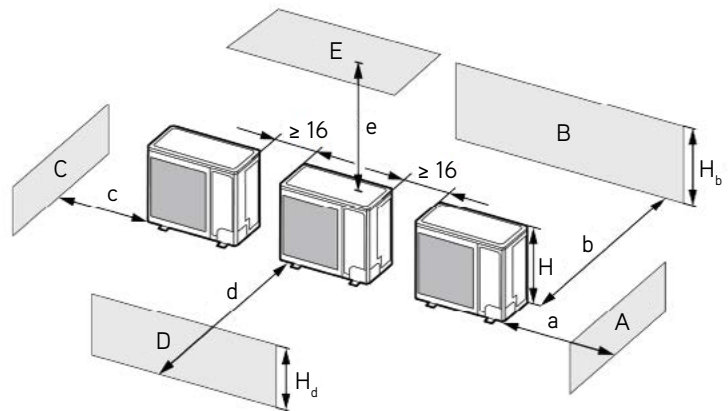
A - E	H_b H_d H	(in)				
		a	b	c	d	e
B	-	-	≥ 4	-	-	-
A, B, C	-	≥ 12	≥ 4	≥ 4	-	-
B, E	-	-	≥ 4	-	-	≥ 40
A, B, C, E	-	≥ 12	≥ 6	≥ 6	-	≥ 40
D	-	-	-	-	≥ 40	-
D, E	-	-	-	-	≥ 40	≥ 40
B, D	$H_b < H_d$ $H_d < H$	-	≥ 4	-	≥ 40	-
	$H_b > H_d$ $H_d > H$	-	≥ 4	-	≥ 40	-
B, D, E	$H_b \leq 1/2H$	-	≥ 10	-	≥ 80	≥ 40
	$H_b < H_d$ $1/2H < H_b \leq H$	-	≥ 10	-	≥ 80	≥ 40
	$H_b > H$	Prohibited				
	$H_d \leq 1/2H$	-	≥ 4	-	≥ 80	≥ 40
	$H_b > H_d$ $1/2H < H_d \leq H$	-	≥ 8	-	≥ 80	≥ 40
	$H_d > H$	Prohibited				



CLEARANCES

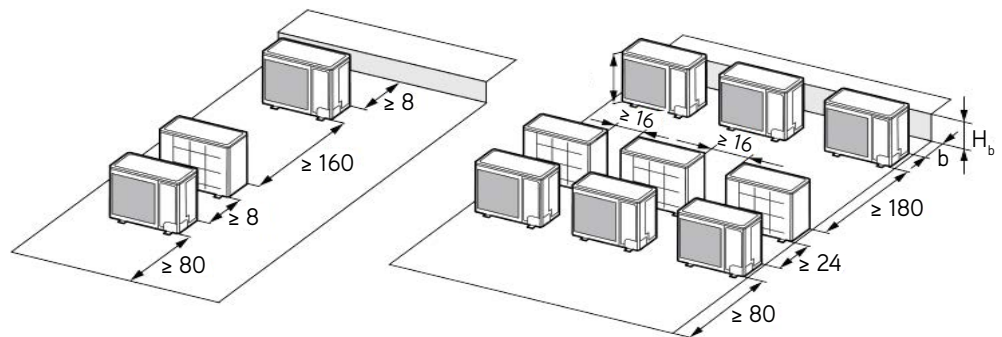
2. When two or more outdoor units are to be installed side by side.

A - E	H_b H_d H	(in)				
		a	b	c	d	e
A, B, C	-	≥ 12	≥ 12	≥ 40	-	-
A, B, C, E	-	≥ 12	≥ 12	≥ 40	-	≥ 40
D	-	-	-	-	≥ 80	-
D, E	-	-	-	-	≥ 80	≥ 40
B, D	$H_b < H_d$	$H_d > H$	-	≥ 12	-	≥ 80
	$H_b > H_d$	$H_d \leq 1/2H$	-	≥ 10	-	≥ 80
	$H_b > H_d$	$1/2H < H_d \leq H$	-	≥ 12	-	≥ 100
	$H_b > H_d$	$H_b \leq 1/2H$	-	≥ 12	-	≥ 80
B, D, E	$H_b < H_d$	$1/2H < H_b \leq H$	-	≥ 12	-	≥ 100
	$H_b < H_d$	$H_b > H$	Prohibited			
	$H_b > H_d$	$H_d \leq 1/2H$	-	≥ 10	-	≥ 100
	$H_b > H_d$	$1/2H < H_d \leq H$	-	≥ 12	-	≥ 100



3. When outdoor units are installed in rows.

H_b H_d	(in)
$H_b \leq 1/2H$	$b \leq 10$
$1/2H < H_b \leq H$	$b \leq 12$
$H_b > H_d$	Prohibited



4. When outdoor units are installed one above another.

