

Gibson

Heating and Cooling Products

R410-A

Inverter



AIR CERTIFIED



Submittal: GXH12(3.5)KSK4DH Ultra High Efficiency Heat Pump

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted To:	For:	
Unit Designation:	Schedule #:	

Features:

- Inverter-driven Two Stage Compressor
- Flared Piping Connections
- Wireless IR/RF Remote Controller Included
- Anti-corrosion coils
- Intelligent defrost
- Wifi Enabled with App
- Ultra Heating
- Limited 5-year parts & 7-year compressor warranty



SYSTEM RATINGS

Rated Cooling Capacity (Btu):	12,000
Minimum Cooling Capacity (Btu):	2,900
Maximum Cooling Capacity (Btu):	15,354
Rated Heating Capacity (Btu):	13,000
Minimum Heating Capacity (Btu):	3,071
Maximum Heating Capacity (Btu):	18,766
SEER:	23.00
EER:	12.77
HSPF:	10.50
COP:	10.66

METERING DEVICE

Location	ODU
Type	EEV

OUTDOOR UNIT DATA

Compressor

Type:	Rotary
RLA:	9.5

Fan Motor

Output Power(W):	30
RLA:	0.36

Sound Pressure (dBA): 55

Physical Characteristics

Net Weight (lbs): 97.02

Dimensions

W:	35-7/16"
H:	23-1/2"
D:	14-7/8"

Operation Range (Outdoor Ambient)

Cooling (Min-Max)°F:	0~129
Heating (Min-Max)°F:	-22~75

Power Supply

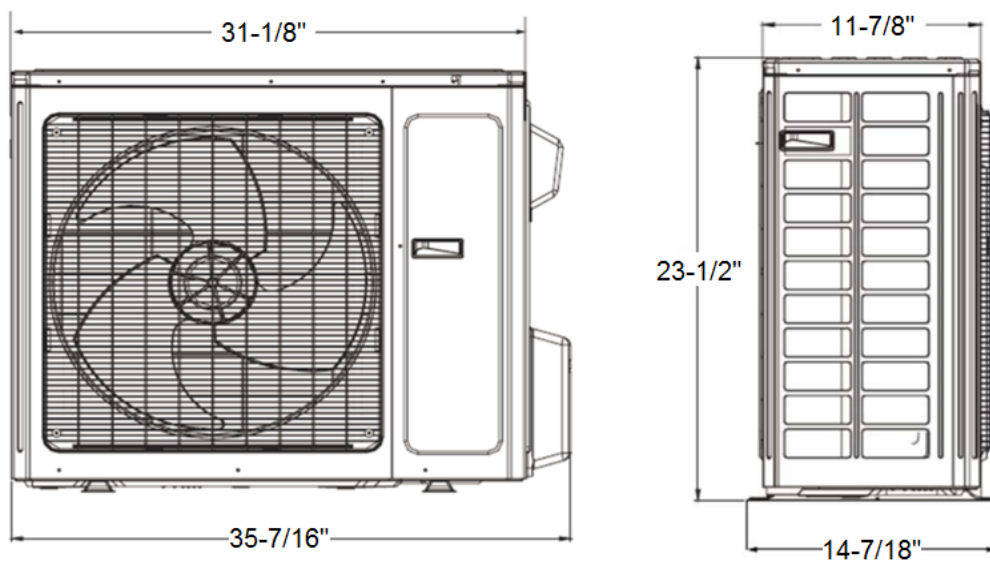
Voltage (Min-Max):	187/253
Minimum Circuit Ampacity (MCA):	13
Max. Overcurrent Protection (MOCP):	20

Refrigerant Piping Data

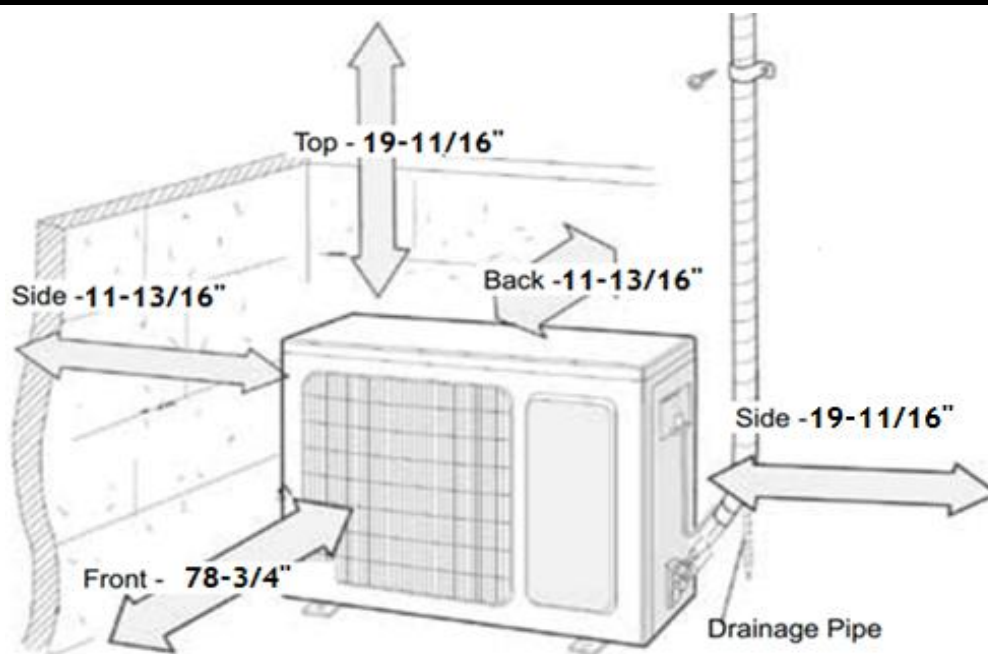
Refrigerant Type:	R-410A
Pre-charged Amount (Oz):	49.4
Pre-Charged Length (ft):	24.6
Additional amount (Oz/ft.):	0.215
Max. Piping Length (ft):	65.6
Max. Piping Height (ft):	32.8
ODU Connection Size (Gas):	1/2"
ODU Connection Size (Liquid):	1/4"

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Outdoor Unit Dimensions



Outdoor Unit Minimum Clearances



Specifications are subject to change without notice.

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Submittal: GHH12(3.5)KSK4DH

Ultra High Efficiency Heat Pump

Features:

- Inverter-driven Variable Speed Blower
- Flared Piping Connections
- Wireless IR/RF Remote Controller Included
- Wifi Enabled with App
- iFeel Operation
- Air Filters Included
- Turbo Cooling
- Intelligent Preheating
- Child Lock Function



Indoor Unit Data

Blower Data

CFM (Max/Min):	471/265
Output (W):	20
RLA:	0.200
Capacitor Rating (μF):	N/A

Sound Pressure

Cooling dB (A) (Min/Max):	23/42
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Physical Characteristics

Net Weight (lbs): 30.87

Dimensions (in.)

W: 38-3/16

H: 11-13/16

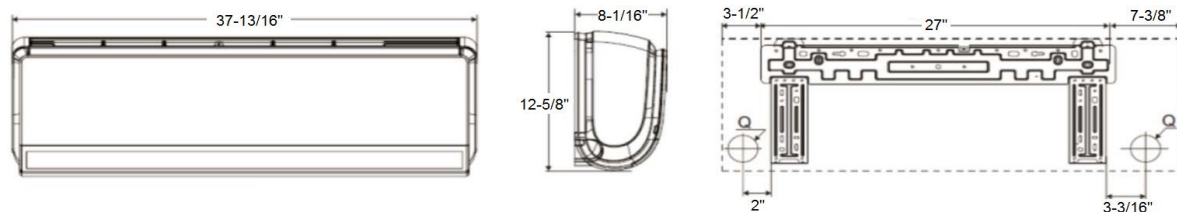
D: 8-13/16

Piping Connection Size

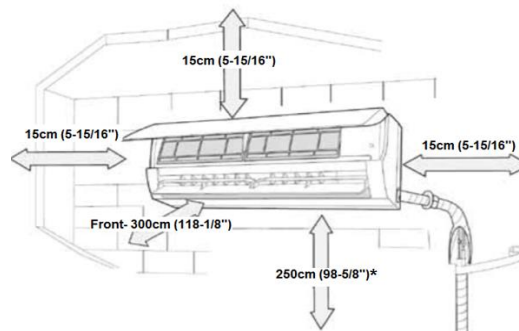
"Liquid": 1/4"

Gas: 1/2"

Dimensions



Clearances



*A mounting height of 98-5/8" from the floor is recommended, however, this height may not be available for installations with lower ceilings. In these cases, the unit should be placed as high on the wall as possible, while maintaining a ceiling clearance of 5-15/16" or greater

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ODU SKU: 1014652

IDU SKU: 1014651

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Extended Cooling Capacity Ratings				
GXH12(3.5)KSK4DH / GHH12(3.5)KSK4DH				
Outdoor Ambient Dry Bulb Temperature	Indoor Entering Air Temperature			
	65°F DB	68°F DB	73°F DB	79°F DB
	55°F WB	57°F WB	61°F WB	64°F WB
	TC	TC	TC	TC
5°F	9,980	10,900	11,540	12,370
14°F	10,480	11,480	12,160	12,950
23°F	11,710	12,580	13,460	14,330
32°F	12,330	13,250	14,180	15,090
41°F	12,950	13,920	14,890	15,800
50°F	13,580	14,590	15,610	16,500
59°F	14,200	15,260	16,320	17,380
68°F	16,200	17,280	18,360	19,080
77°F	15,990	17,080	18,160	18,900
86°F	15,130	16,240	17,320	18,180
95°F	14,300	15,370	16,440	17,510
104°F	13,550	14,620	15,690	16,760
113°F	12,800	13,870	14,940	16,010
122°F	12,420	13,500	14,400	15,480

Extended Heating Capacity Ratings				
GXH12(3.5)KSK4DH / GHH12(3.5)KSK4DH				
Outdoor Ambient Dry Bulb Temperature	Indoor Entering Air Temperature			
	65°F DB	68°F DB	73°F DB	79°F DB
	55°F WB	57°F WB	61°F WB	64°F WB
	TC	TC	TC	TC
-22°F	15,990	15,510	15,350	15,200
-4°F	17,790	17,250	17,080	16,910
0°F	19,190	18,610	18,420	18,240
6°F	19,990	19,390	19,190	19,000
10°F	19,990	19,390	19,190	19,000
16°F	19,990	19,390	19,190	19,000
19°F	19,990	19,390	19,190	19,000
24°F	19,990	19,390	19,190	19,000
32°F	19,990	19,390	19,190	19,000
41°F	19,990	19,390	19,190	19,000
43°F	19,990	19,390	19,190	19,000
47°F	19,990	19,390	19,190	19,000
53°F	20,190	19,580	19,380	19,190
59°F	20,650	20,030	19,830	19,630
64°F	21,090	20,450	20,250	20,050
70°F	21,490	20,840	20,630	20,430
75°F	21,790	21,130	20,920	20,710
78°F	21,990	21,330	21,110	20,900

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