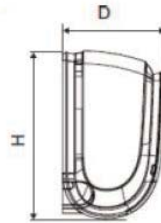
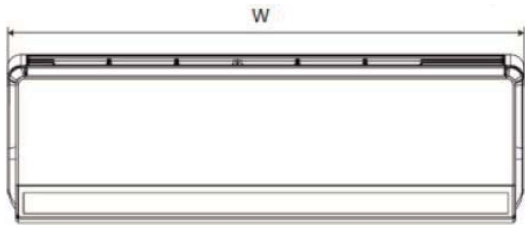


SPLIT TYPE
ORCHID
**Model:
KW18HUCA4D**

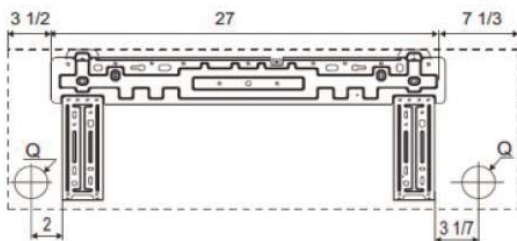

Item	Unit	Specification
ODU Model	—	KW18HUCA4DO
IDU Model	—	KW18HUCA4DI
System Ratings		
Cooling Capacity	Btu/h	18,000
Heating Capacity (47°F)	Btu/h	19,000
Heating Capacity (17°F)	Btu/h	12,700
Cooling Capacity Range	Btu/h	4,436 -21,496
Heating Capacity Range	Btu/h	3,753 -24,566
Cooling Power Input (Max)	W	2,400
Heating Power Input (Max)	W	2,500
SEER	—	21.0
HSPF	—	10.5
EER	W/W	12.5
COP	W/W	3.1
Cooling Operation Range	°F(°C)	0 ~ 129.0 (–18.0 ~ 54.0)
Heating Operation Range	°F(°C)	-22.0 ~ 75.0 (–30.0 ~ 24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	1/4
Connection Method	—	Flared
Factory Charge	oz	70.6
Additional Charge	oz/ft	0.54
Pre-Charge Length	ft.	25
MAX Refrigerant Length	ft.	82
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	33
Indoor Unit Data		
Fan Motor Power Output	W	20
Fan Motor FLA	A	0.2
Air Flow Volume	CFM	324/530
Sound Pressure Level	dB(A)	26/48
Dehumidification	pt/hr	3.80
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
MCA	A	19.0
MOCP/Breaker Size	A	30.0
Interconnecting Cable Wire Size	—	14-4 AWG
Outdoor Unit Data		
Compressor Type	—	DC Inverter Rotary
Compressor RLA	A	14.5
Refrigerant Type	—	R410A
Fan Motor Power Output	W	90
Fan Motor FLA	A	0.65
Sound Pressure Level	dB(A)	59
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
Main Supply Wire Size	—	10-2 AWG
MCA	A	19.0
MOCP/Breaker Size	A	30.0

Job Name:
Schedule Reference:
Date:

Outline and Physical Dimension of KW18HUCA4D.

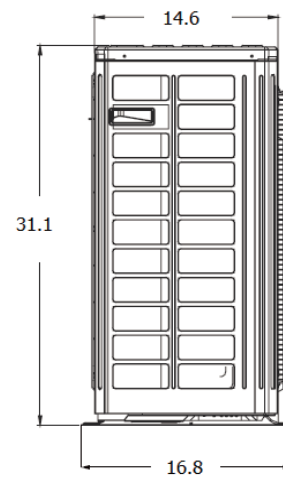
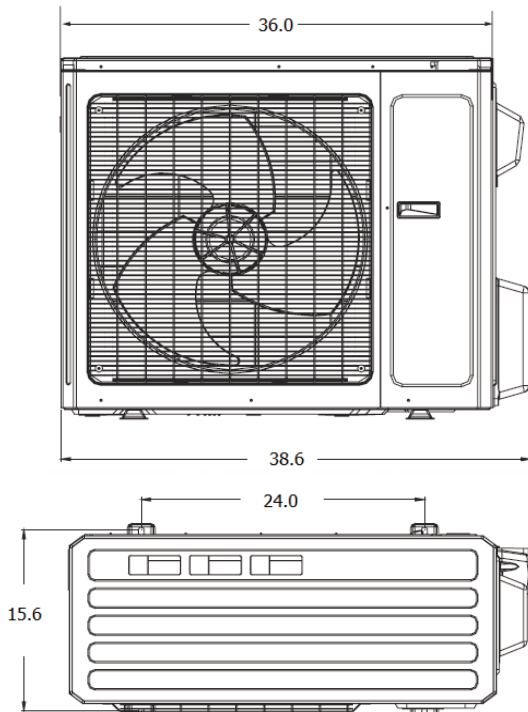


Dimensions	
W	37 3/4
H	12 5/8
D	8



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD

Units: inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared

Net Weight IDU	lb
Gross Weight IDU	lb
Net Weight ODU	141.1 lb
Gross Weight ODU	152.1 lb



COOLING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures							
	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	SHC	TC	SHC	TC	SHC	TC	SHC
5°F	9,980	7,820	10,900	8,550	11,540	9,050	12,370	9,720
14°F	10,480	8,220	11,480	9,010	12,130	9,510	12,950	10,160
23°F	11,710	9,180	12,580	9,870	13,460	10,560	14,330	11,240
32°F	12,330	9,680	13,250	10,400	14,180	11,120	15,090	11,830
41°F	12,950	10,170	13,920	10,920	14,890	11,680	15,800	12,430
50°F	13,580	10,660	14,590	11,450	15,610	12,240	16,500	13,030
59°F	14,200	11,130	15,260	11,970	16,320	12,800	17,380	13,630
68°F	16,200	12,710	17,280	13,550	18,360	14,400	19,080	14,960
77°F	15,990	12,540	17,080	13,390	18,160	14,250	18,900	14,820
86°F	15,160	11,890	16,240	12,730	17,320	13,580	18,180	14,260
95°F	14,300	11,210	15,370	12,050	16,440	12,890	17,510	13,740
104°F	13,550	10,620	14,620	11,470	15,690	12,310	16,760	13,150
113°F	12,800	10,040	13,870	10,880	14,940	11,720	16,010	12,560
122°F	12,420	9,740	13,500	10,590	14,400	11,290	15,480	12,140

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures							
	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	SHC	TC	SHC	TC	SHC	TC	SHC
-22°F	15,990	15,990	15,510	15,510	15,350	15,350	15,200	15,200
-4°F	17,790	17,790	17,250	17,250	17,080	17,080	16,910	16,910
0°F	19,190	19,190	18,610	18,610	18,420	18,420	18,240	18,240
6°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
10°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
16°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
19°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
24°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
32°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
41°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
43°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
47°F	19,990	19,990	19,390	19,390	19,190	19,190	19,000	19,000
53°F	20,190	20,190	19,580	19,580	19,380	19,380	19,190	19,190
59°F	20,650	20,650	20,030	20,030	19,830	19,830	19,630	19,630
64°F	21,090	21,090	20,450	20,450	20,250	20,250	20,050	20,050
70°F	21,490	21,490	20,840	20,840	20,630	20,630	20,430	20,430
75°F	21,790	21,790	21,130	21,130	20,920	20,920	20,710	20,710
78°F	21,990	21,990	21,330	21,330	21,110	21,110	20,900	20,900

* Maximum system capacity

TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)



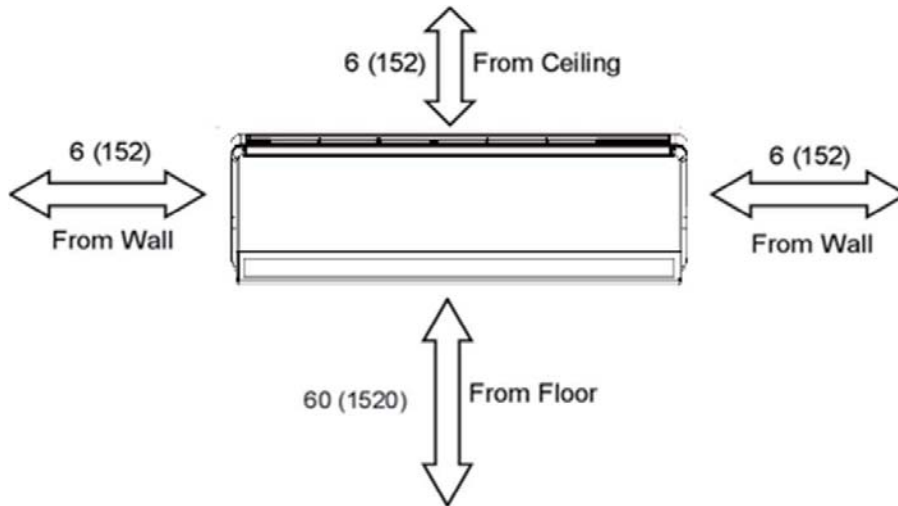
DIMENSIONAL SPECIFICATIONS

KW18HUCA4D

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

