



[Wall-mounted type]

ORCHID

Features: Standard Optional



Wifi Control



3D Airflow



I Feel



-30 °C Heating



54 °C Cooling



4 Sleep curves



Dehumidifying



Light Function



R32



Auto Restart



Quiet Design



7 Fan Speeds



Lock



LED Display



Auto Clean



46.4°F Heating



Timer



Intelligent Preheating



130° Swing Angle Left-right



180° Swing Angle Up-down



LED Remote Control



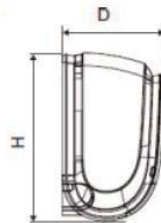
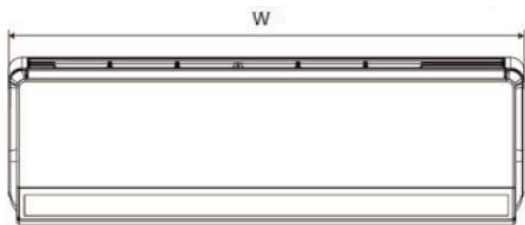
Mono&Multi Compatible

SPLIT TYPE
'CF7 <=8
**Model:
KW09HUCA4D**

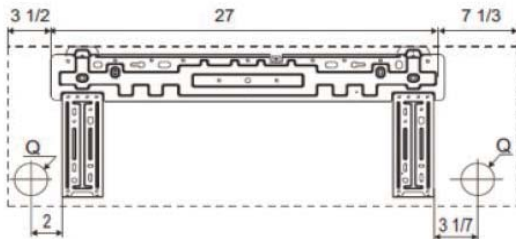

Item	Unit	Specification
ODU Model	—	KW09HUCA4DO
IDU Model	—	KW09HUCA4DI
System Ratings		
Cooling Capacity	Btu/h	9,000
Heating Capacity (47°F)	Btu/h	9,000
Heating Capacity (17°F)	Btu/h	5,500
Cooling Capacity Range	Btu/h	1,535-12,966
Heating Capacity Range	Btu/h	2,388-13,648
Cooling Power Input (Max)	W	1,400
Heating Power Input (Max)	W	1,500
SEER	—	30.5
HSPF	—	11.0
EER	W/W	15.7
COP	W/W	4.2
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	1/2
Liquid Pipe Size (OD)	Inch	1/4
Connection Method	—	Flared
Factory Charge	oz	49.4
Additional Charge	oz/ft	0.21
Pre-Charge Length	ft.	25
MAX Refrigerant Length	ft.	50
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	206/412
Sound Pressure Level	dB(A)	22/41
Dehumidification	pt/hr	1.7
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
MCA	A	12.0
MOCP/Breaker Size	A	15.0
Interconnecting Cable Wire Size	—	14-4 AWG
Outdoor Unit Data		
Compressor Type	—	DC Inverter Rotary
Compressor RLA	A	8.5
Refrigerant Type	—	R410A
Fan Motor Power Output	W	30
Fan Motor FLA	A	0.36
Sound Pressure Level	dB(A)	53
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
Main Supply Wire Size	—	14-2 AWG
MCA	A	12.0
MOCP/Breaker Size	A	15.0

Job Name:
Schedule Reference:
Date:

Outline and Physical Dimension of KW09HUCA4D.



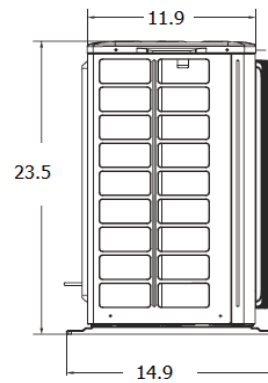
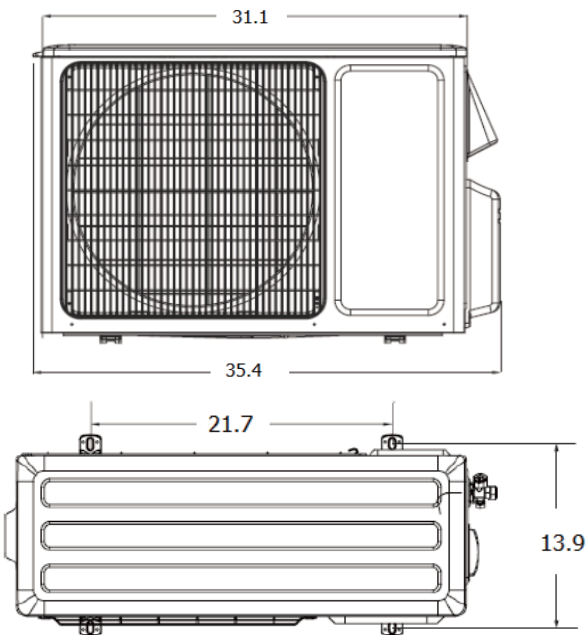
Dimensions	
W	37 3/4
H	12 5/8
D	8



Weight (Net/Shipping) 31/37 LBS

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD

Units: inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Net Weight IDU	lb
Gross Weight IDU	lb
Net Weight ODU	lb
Gross Weight ODU	lb

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures							
	65 DB		68 DB		73 DB		79 DB	
	55 WB		57 WB		61 WB		64 WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5 °F	5,030	3,940	5,480	4,290	5,810	4,560	6,200	4,860
14 °F	5,240	4,110	5,740	4,500	6,070	4,760	6,480	5,080
23 °F	5,850	4,590	6,290	4,930	6,730	5,280	7,170	5,620
32 °F	6,160	4,840	6,630	5,190	7,090	5,560	7,550	5,920
41 °F	6,470	5,080	6,970	5,450	7,450	5,840	7,930	6,220
50 °F	6,780	5,330	7,310	5,710	7,810	6,120	8,310	6,520
59 °F	7,100	5,570	7,630	5,980	8,160	6,400	8,690	6,820
68 °F	8,100	6,350	8,640	6,780	9,180	7,200	9,540	7,480
77 °F	8,000	6,270	8,540	6,700	9,080	7,120	9,450	7,410
86 °F	7,580	5,940	8,120	6,370	8,660	6,790	9,090	7,130
95 °F	7,150	5,610	7,680	6,030	8,220	6,450	8,750	6,870
104 °F	6,770	5,310	7,310	5,730	7,850	6,150	8,380	6,570
113 °F	6,400	5,020	6,940	5,440	7,470	5,860	8,010	6,280
122 °F	6,210	4,870	6,750	5,290	7,200	5,650	7,740	6,070

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures							
	65 DB		68 DB		73 DB		79 DB	
	55 WB		57 WB		61 WB		64 WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-22 °F	8,330	8,330	8,080	8,080	8,000	8,000	7,920	7,920
-13 °F	8,710	8,710	8,450	8,450	8,360	8,360	8,280	8,280
-4 °F	9,280	9,280	9,000	9,000	8,910	8,910	8,820	8,820
0 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
6 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
10 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
16 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
19 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
24 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
32 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
41 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
43 °F	9,470	9,470	9,180	9,180	9,090	9,090	9,000	9,000
47 °F	9,570	9,570	9,280	9,280	9,180	9,180	9,090	9,090
53 °F	9,780	9,780	9,490	9,490	9,390	9,390	9,300	9,300
59 °F	9,990	9,990	9,690	9,690	9,590	9,590	9,500	9,500
64 °F	10,180	10,180	9,870	9,870	9,770	9,770	9,680	9,680
70 °F	10,320	10,320	10,010	10,010	9,910	9,910	9,810	9,810
75 °F	10,420	10,420	10,100	10,100	10,000	10,000	9,900	9,900
78 °F	10,420	10,420	10,100	10,100	10,000	10,000	9,900	9,900

* Maximum system capacity

TC- Total Capacity (BtuH)

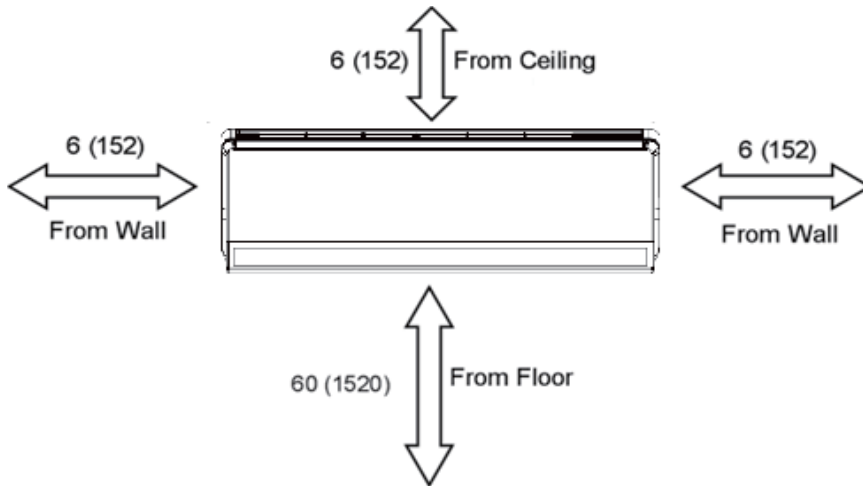
SHC- Sensible Capacity (BtuH)



DIMENSIONAL SPECIFICATIONS **KW09HUCA4D**
MINIMUM SPACING REQUIREMENTS

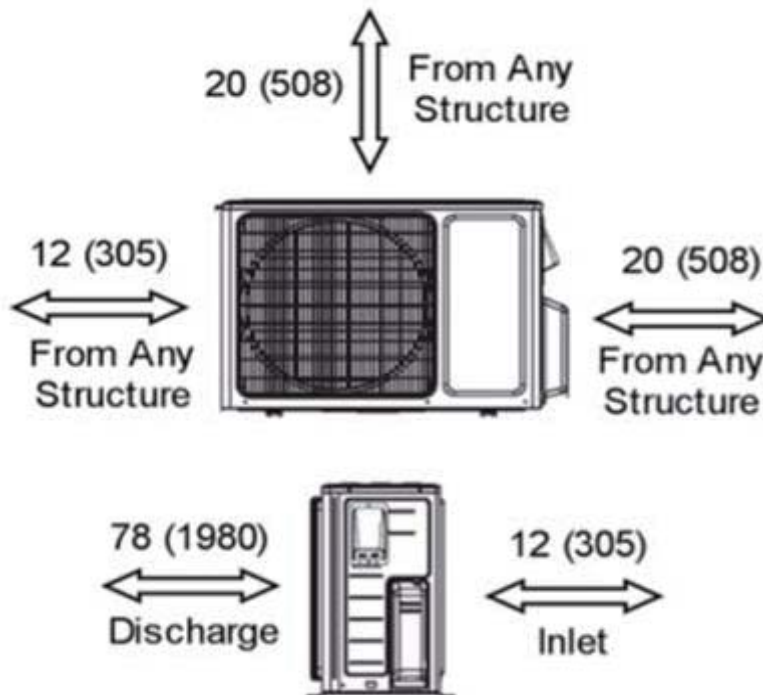
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INDOOR



Units: inch (mm)

OUTDOOR

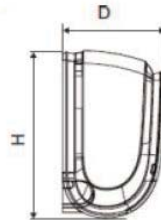
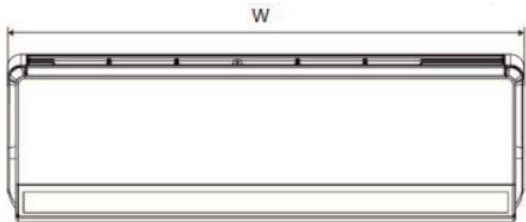


SPLIT TYPE
ORCHID
**Model:
KW12HUCA4D**

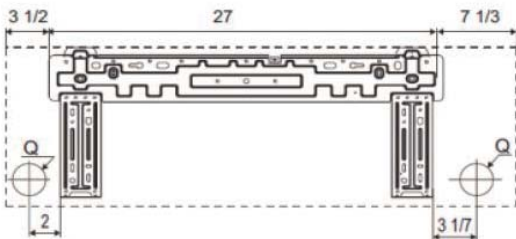

Item	Unit	Specification
ODU Model	—	KW12HUCA4DO
IDU Model	—	KW12HUCA4DI
System Ratings		
Cooling Capacity	Btu/h	12,000
Heating Capacity (47°F)	Btu/h	13,000
Heating Capacity (17°F)	Btu/h	8,500
Cooling Capacity Range	Btu/h	2,900 -15,354
Heating Capacity Range	Btu/h	3,071 -18,766
Cooling Power Input (Max)	W	1,500
Heating Power Input (Max)	W	1,600
SEER	—	23.0
HSPF	—	11.0
EER	W/W	12.7
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	1/2
Liquid Pipe Size (OD)	Inch	1/4
Connection Method	—	Flared
Factory Charge	oz	49.4
Additional Charge	oz/ft	0.21
Pre-Charge Length	ft.	25
MAX Refrigerant Length	ft.	66
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	265/471
Sound Pressure Level	dB(A)	23/42
Dehumidication	pt/hr	3.0
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
MCA	A	13.0
MOCP/Breaker Size	A	20.0
Interconnecting Cable Wire Size	—	14-4 AWG
Outdoor Unit Data		
Compressor Type	—	DC Inverter Rotary
Compressor RLA	A	9.5
Refrigerant Type	—	R410A
Fan Motor Power Output	W	30
Fan Motor FLA	A	0.36
Sound Pressure Level	dB(A)	55
Power Supply	—	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
Main Supply Wire Size	—	12-2 AWG
MCA	A	13.0
MOCP/Breaker Size	A	20.0

Job Name:
Schedule Reference:
Date:

Outline and Physical Dimension of KW12HUCA4D

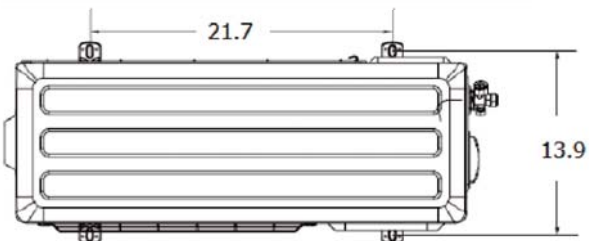
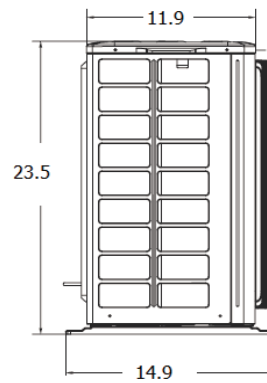
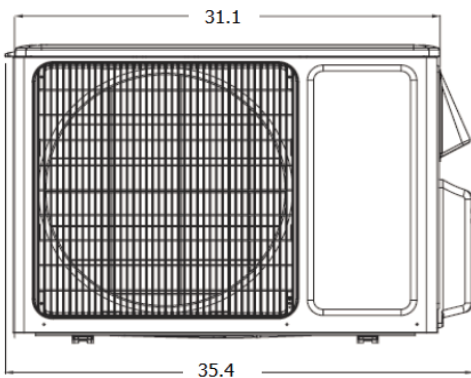


Dimensions	
W	37 3/4
H	12 5/8
D	8



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD

Units: inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Net Weight IDU	lb
Gross Weight IDU	lb
Net Weight ODU	lb
Gross Weight ODU	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	6,690	5,240	7,290	5,720	7,730	6,060	8,260	6,480
14°F	6,990	5,480	7,660	6,000	8,090	6,340	8,640	6,770
23°F	7,800	6,120	8,390	6,580	8,970	7,040	9,560	7,500
32°F	8,220	6,440	8,830	6,930	9,450	7,410	10,060	7,890
41°F	8,870	6,950	9,500	7,460	10,150	7,960	10,730	8,410
50°F	9,320	7,300	9,970	7,830	10,640	8,340	11,200	8,780
59°F	9,460	7,420	10,170	7,980	10,880	8,530	11,590	9,090
68°F	10,800	8,470	11,520	9,040	12,240	9,600	12,720	9,980
77°F	10,660	8,360	11,380	8,930	12,110	9,500	12,600	9,880
86°F	10,110	7,930	10,820	8,490	11,540	9,060	12,120	9,510
95°F	9,530	7,480	10,240	8,030	10,960	8,590	11,670	9,160
104°F	9,030	7,080	9,750	7,650	10,460	8,200	11,170	8,760
113°F	8,530	6,690	9,250	7,250	9,960	7,810	10,680	8,370
122°F	8,280	6,490	9,000	7,060	9,600	7,530	10,320	8,100

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	10,100	10,100	9,800	9,800	9,700	9,700	9,600	9,600
-4°F	11,110	11,110	10,770	10,770	10,670	10,670	10,560	10,560
0°F	11,990	11,990	11,630	11,630	11,510	11,510	11,400	11,400
6°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
10°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
16°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
19°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
24°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
32°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
41°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
43°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
47°F	12,630	12,630	12,240	12,240	12,120	12,120	12,000	12,000
53°F	12,750	12,750	12,370	12,370	12,240	12,240	12,120	12,120
59°F	13,040	13,040	12,650	12,650	12,520	12,520	12,400	12,400
64°F	13,320	13,320	12,920	12,920	12,790	12,790	12,660	12,660
70°F	13,580	13,580	13,160	13,160	13,030	13,030	12,900	12,900
75°F	13,760	13,760	13,350	13,350	13,210	13,210	13,080	13,080
78°F	13,890	13,890	13,470	13,470	13,330	13,330	13,200	13,200

* Maximum system capacity

TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)



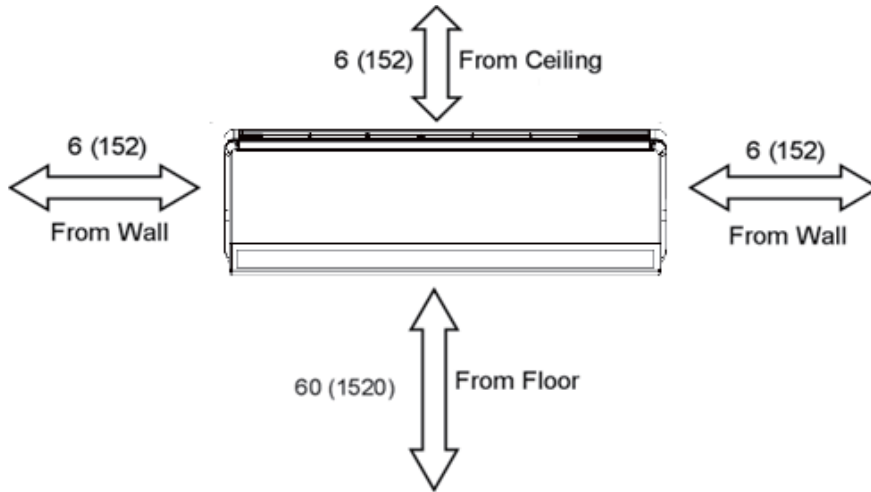
DIMENSIONAL SPECIFICATIONS

KW12HUCA4D

MINIMUM SPACING REQUIREMENTS

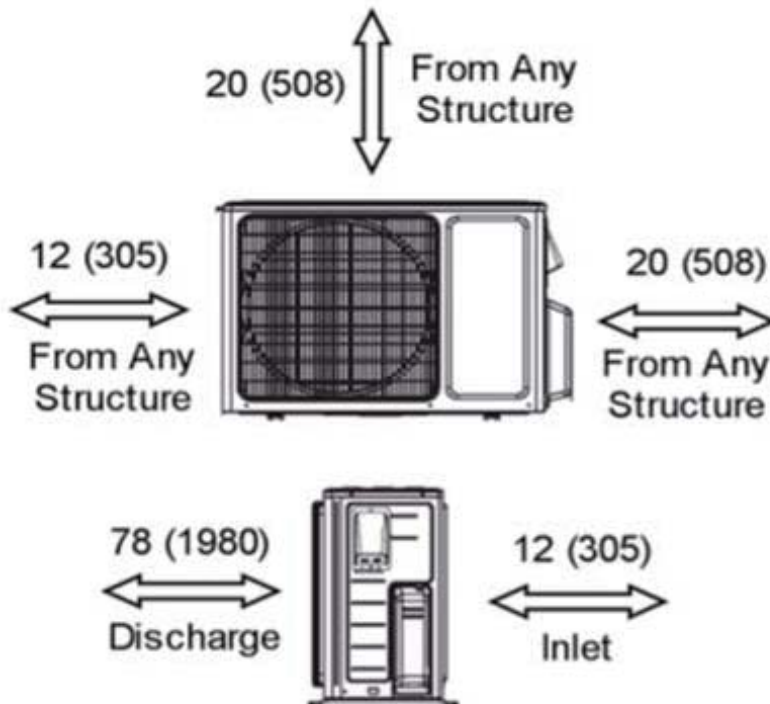
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

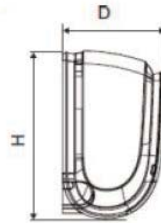
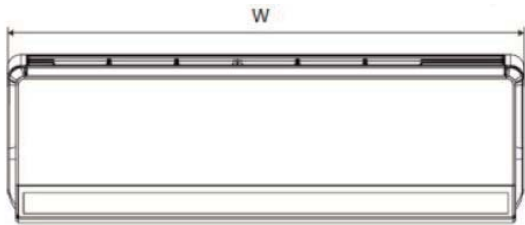


SPLIT TYPE
ORCHID
**Model:
KW18HUCA4D**

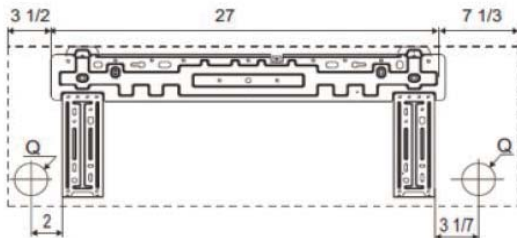

Item	Unit	Specification
ODU Model	—	KW18HUCA4DO
IDU Model	—	KW18HUCA4DI
System Ratings		
Cooling Capacity	Btu/h	18,000
Heating Capacity (47°F)	Btu/h	19,000
Heating Capacity (17°F)	Btu/h	12,700
Cooling Capacity Range	Btu/h	4,436 -21,496
Heating Capacity Range	Btu/h	3,753 -24,566
Cooling Power Input (Max)	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.

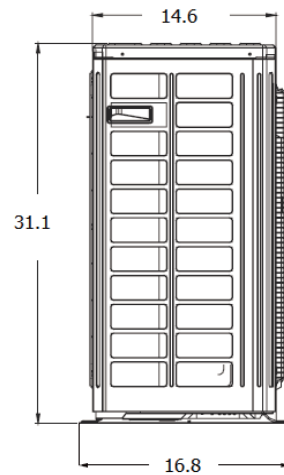
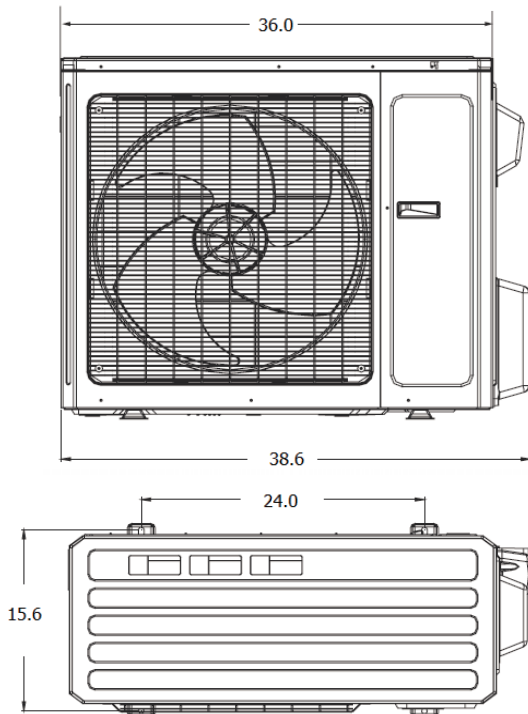


Dimensions	
W	37 3/4
H	12 5/8
D	8



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)



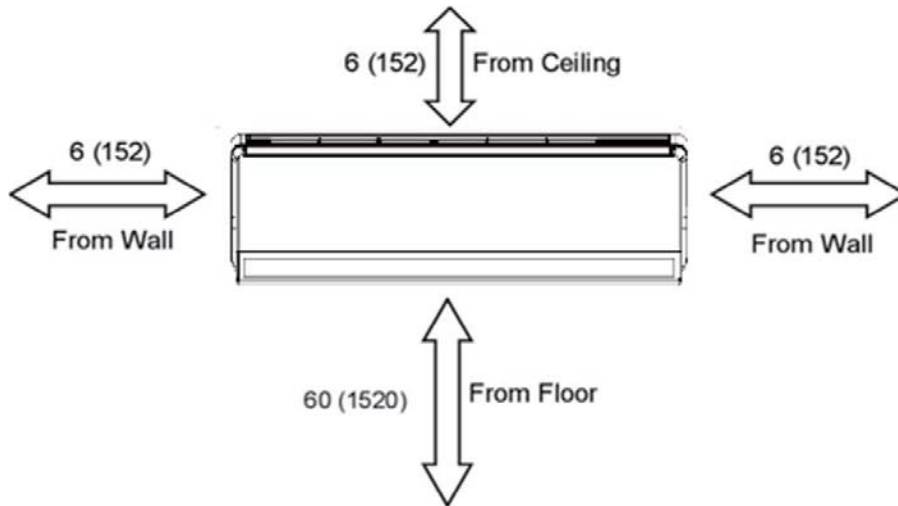
DIMENSIONAL SPECIFICATIONS

KW18HUCA4D

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

