



Submittal Data Sheet

Series Name: Advantage
Model Number: A-09-HP-C-115D-O / A-09-HP-WMAH-115D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	282.5/235.4/206/164.8/117.7
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	43/37.5/33.5/25/18
Dimension (WxDxH)	inch	28.43 x 7.36 x 11.42
	mm	722 x 187 x 290
Package (WxDxH)	inch	31.1 x 10.63 x 14.76
	mm	790 x 270 x 375
Net/Gross Weight	lbs	17.42/22.93
	kg	7.9/10.4

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	310
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1294.1
Outdoor Noise Level	dBA	52.5
Dimension (WxDxH)	inch	30.12 x 11.93 x 21.85
	mm	765 x 303 x 555
Package (WxDxH)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	56.66/62.17
	kg	25.7/28.2

EFFICIENCY			
Cooling		Heating	
SEER2	21.5	HSPF2-4	9
EER2	12.5	COP	3.29

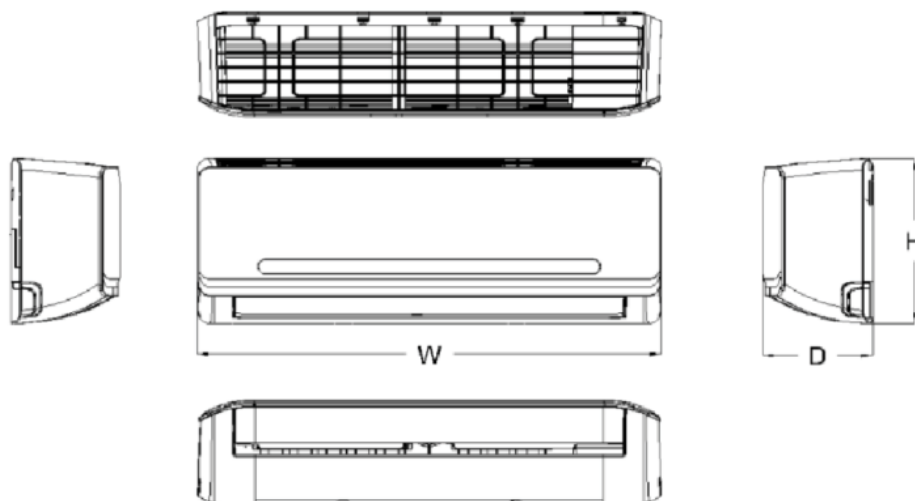
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	9000	
Min/Max Capacity	2200	9900
Moisture Removal(L/h)	1	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	10000	
1. @ 47°F Min/Max Capacity	4200	10200
2. @ 17°F Rated	6500	
3. @ 5°F Rated: Capacity / COP	6500	1.96
3. @ 5°F Max: Capacity	6500	
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	V, Hz, Ph	115V, 60Hz, 1Ph
System MCA	A	18
Connection Wiring	-	14#x4
System MOCP	A	20
Compressor RLA	A	13.5
Outdoor Fan Motor RLA	A	0.5
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.5
Indoor Fan Motor	W	20
System Power Input @ Cooling (W)		720 (120~790)
System Power Input @ Heating (W)		890 (260~950)

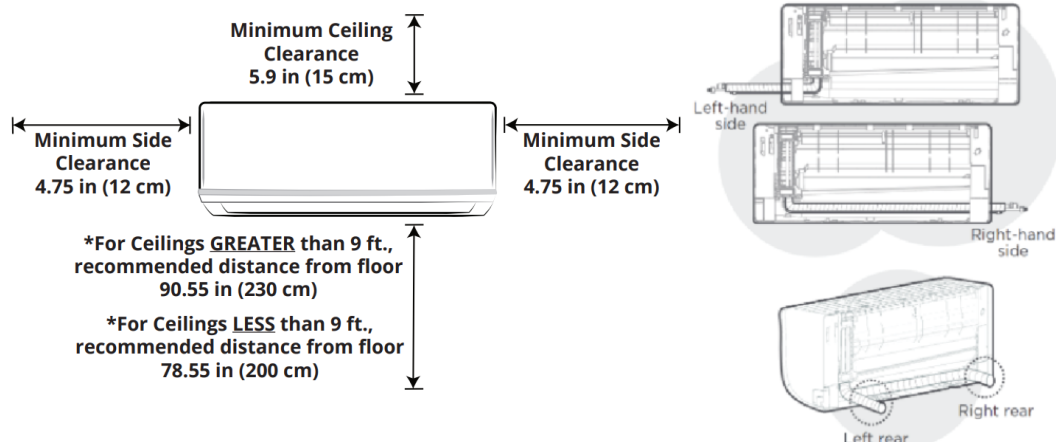
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Capillary
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.2 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	21.52 (0.61)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension

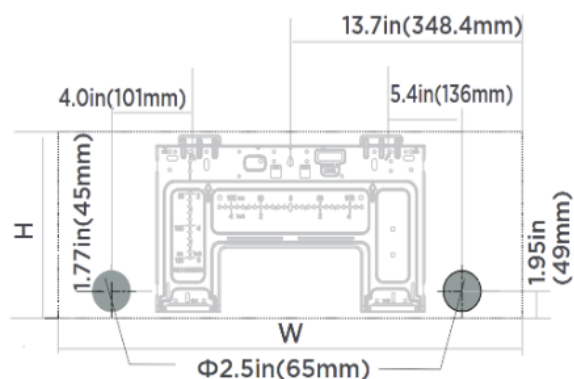


Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (266mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

Installation Instruction



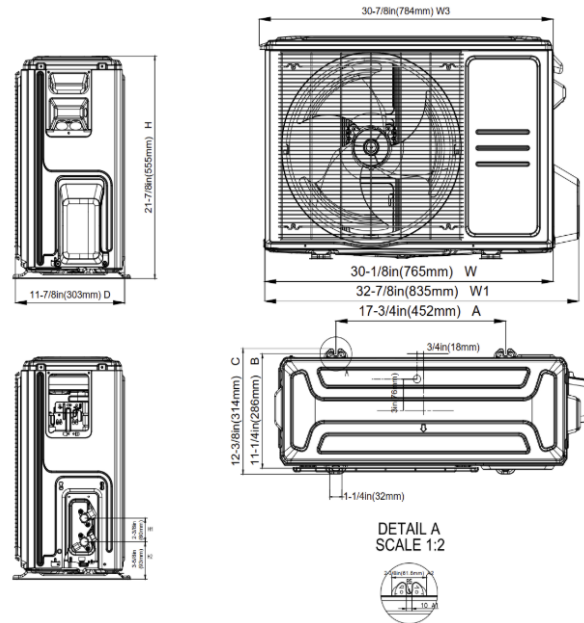
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



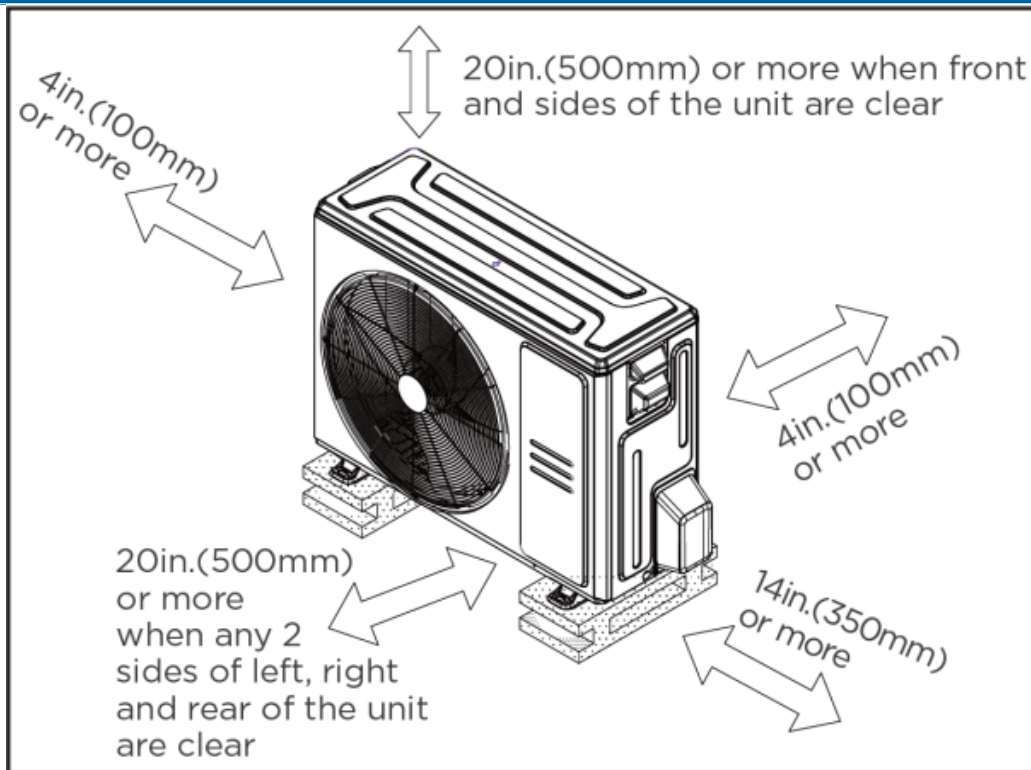
NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Indoor unit dimensions(WxH):
28.45in(722mm)x11.4in(290mm)

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle

- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-09-HP-C-230D-O / A-09-HP-WMAH-230D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	312/264.9/194.2/153/105.9
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	40.5/35.5/31.5/23/18.5
Dimension (WxDxH)	inch	28.43 x 7.36 x 11.42
	mm	722 x 187 x 290
Package (WxDxH)	inch	31.1 x 10.63 x 14.76
	mm	790 x 270 x 375
Net/Gross Weight	lbs	16.98/22.27
	kg	7.7/10.1

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	310
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1294.1
Outdoor Noise Level	dBA	53.5
Dimension (WxDxH)	inch	30.12 x 11.93 x 21.85
	mm	765 x 303 x 555
Package (WxDxH)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	54.23/59.74
	kg	24.6/27.1

EFFICIENCY			
Cooling		Heating	
SEER2	21.2	HSPF2-4	9.1
EER2	12.6	COP	3.2

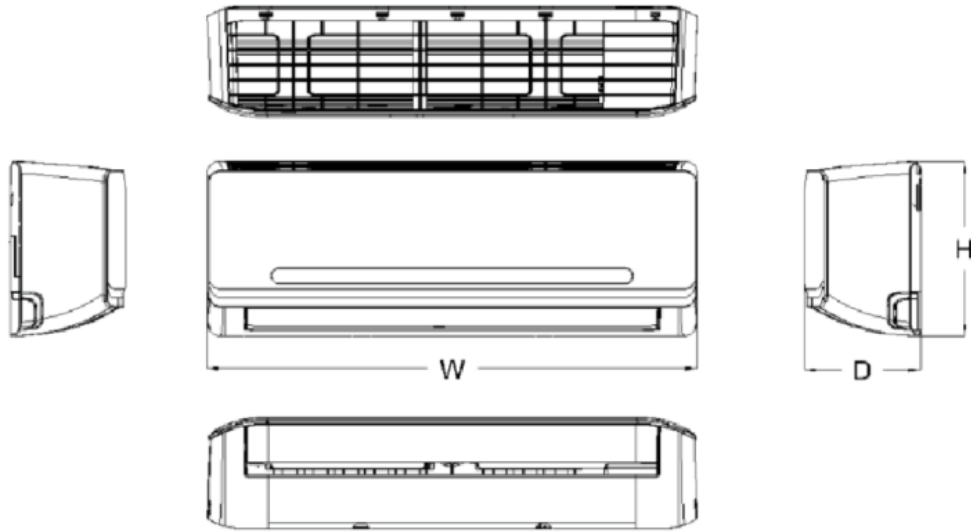
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	9000	
Min/Max Capacity	2300	9700
Moisture Removal(L/h)	0.9	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	10000	
1. @ 47°F Min/Max Capacity	4300	11100
2. @ 17°F Rated	6800	
3. @ 5°F Rated: Capacity / COP	7000	2.07
3. @ 5°F Max: Capacity	7000	
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	V, Hz, Ph	208/230V, 60Hz, 1PH
System MCA	A	12
Connection Wiring	-	14#x4
System MOCP	A	15
Compressor RLA	A	7
Outdoor Fan Motor RLA	A	0.3
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.3
Indoor Fan Motor	W	20
System Power Input @ Cooling (W)		714 (230~800)
System Power Input @ Heating (W)		916 (255~1050)

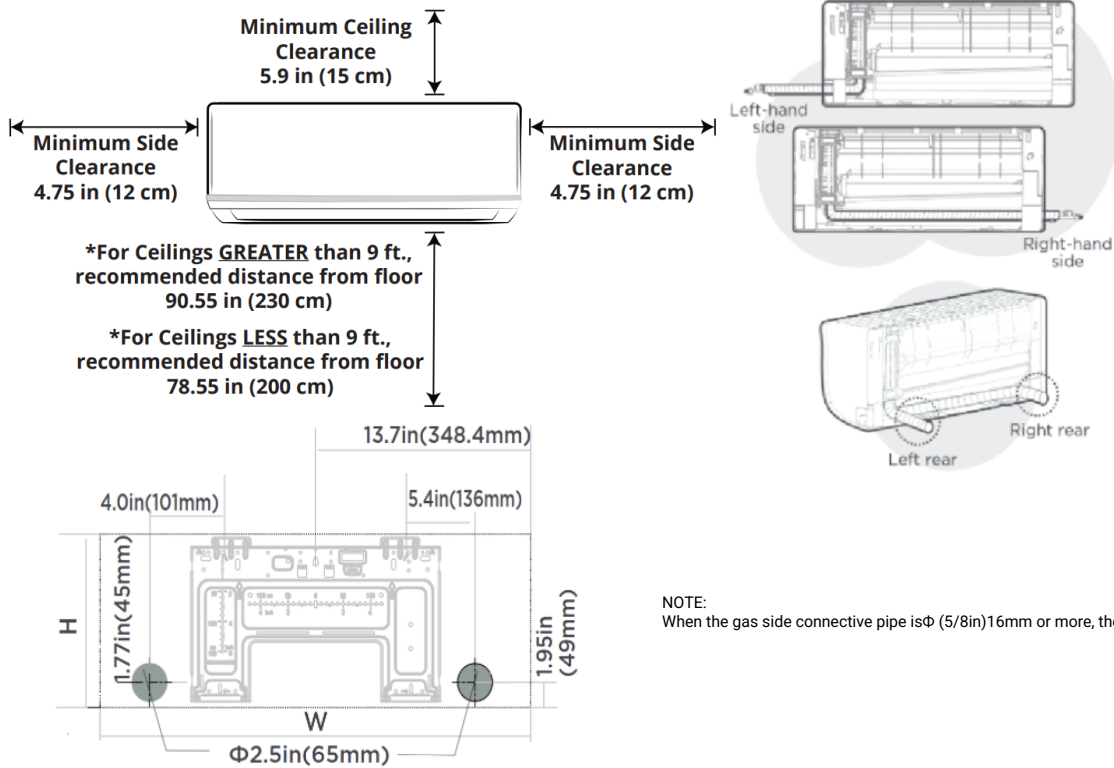
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Capillary
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.20 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	21.52 (0.61)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension



Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (266mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

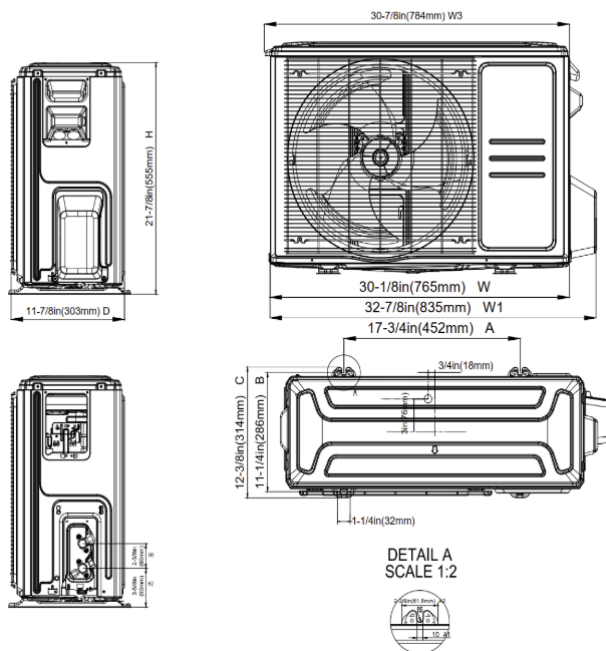
Installation Instruction



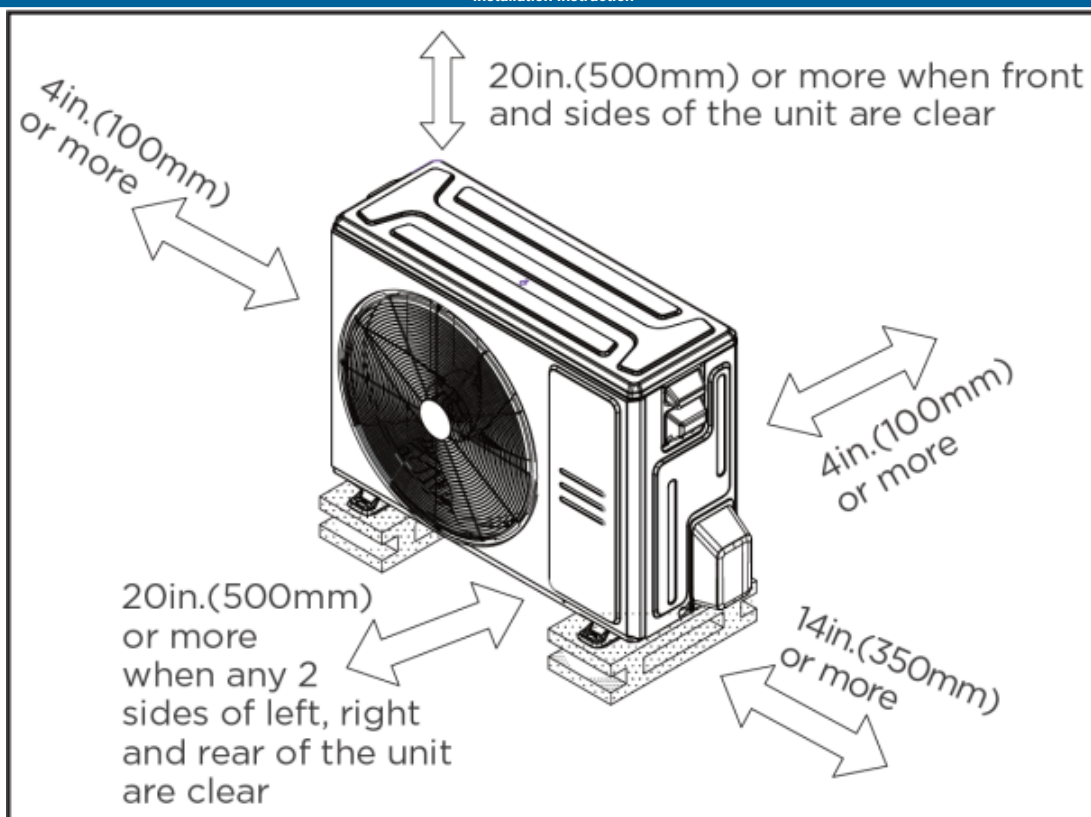
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

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

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-12-HP-C-115D-O / A-12-HP-WMAH-115D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	341.4/309/206/176.6/94.2
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	45/40.5/32.5/25/17.5
Dimension (WxDxH)	inch	31.57 x 7.44 x 11.69
	mm	802 x 189 x 297
Package (WxDxH)	inch	34.45 x 11.22 x 14.96
	mm	875 x 285 x 380
Net/Gross Weight	lbs	19.4/25.13
	kg	8.8/11.4

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN98D64UFZ3
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	300
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1235.3
Outdoor Noise Level	dBA	54
Dimension (WxDxH)	inch	30.12 x 11.93 x 21.85
	mm	765 x 303 x 555
Package (WxDxH)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	61.29/67.02
	kg	27.8/30.4

EFFICIENCY			
Cooling		Heating	
SEER2	21.2	HSPF2-4	8.7
EER2	10.1	COP	3.3

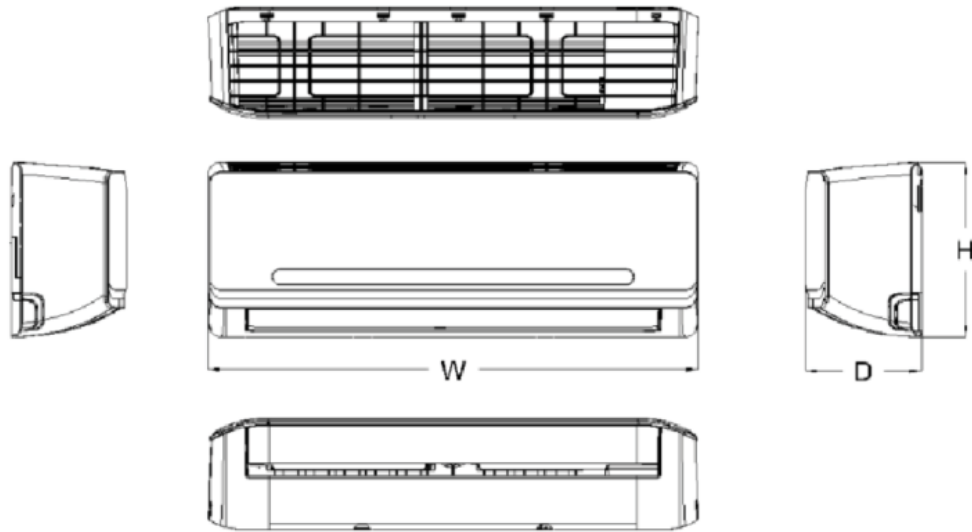
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	12000	
Min/Max Capacity	2200	12300
Moisture Removal(L/h)	1.4	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	12000	
1. @ 47°F Min/Max Capacity	3400	12200
2. @ 17°F Rated	7300	
3. @ 5°F Rated: Capacity / COP	6600	1.85
3. @ 5°F Max: Capacity	6600	
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	V, Hz, Ph	115V, 60Hz, 1Ph
System MCA	A	19
Connection Wiring	-	14#x4
System MOCP	A	20
Compressor RLA	A	14
Outdoor Fan Motor RLA	A	0.6
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.6
Indoor Fan Motor	W	20
System Power Input @ Cooling (W)		1188 (140~1200)
System Power Input @ Heating (W)		1065 (200~1230)

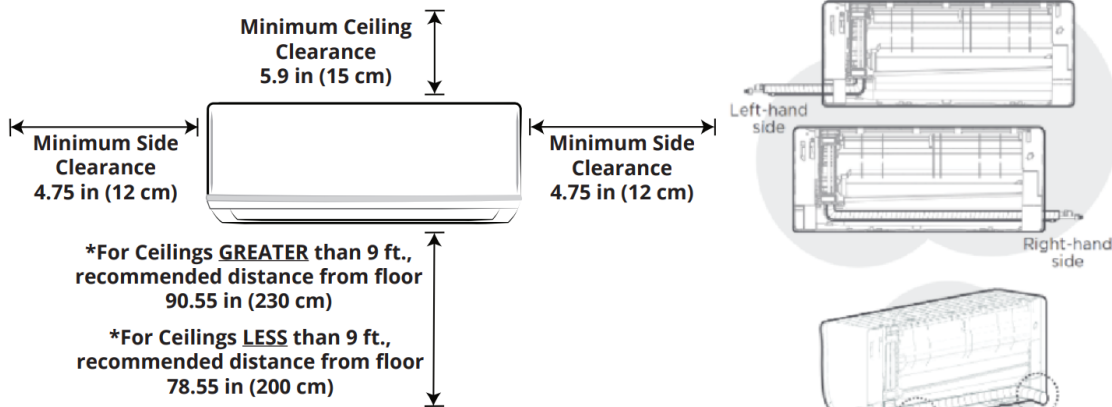
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Capillary
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.2 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	24.34 (0.69)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension

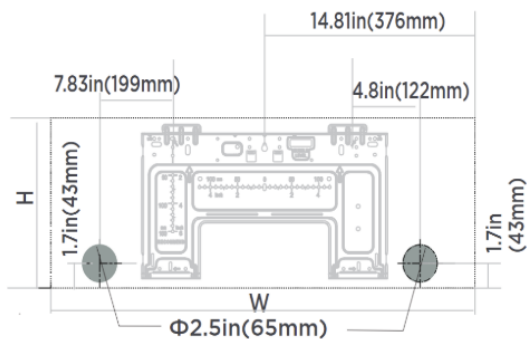
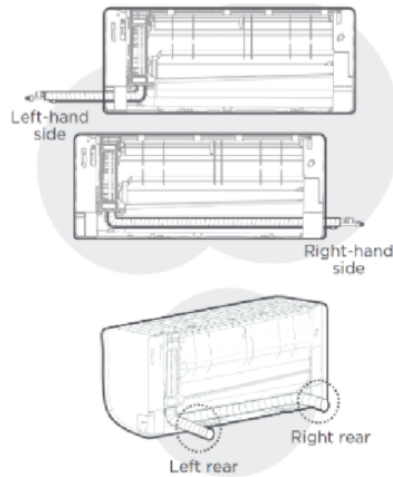


Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (226mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

Installation Instruction



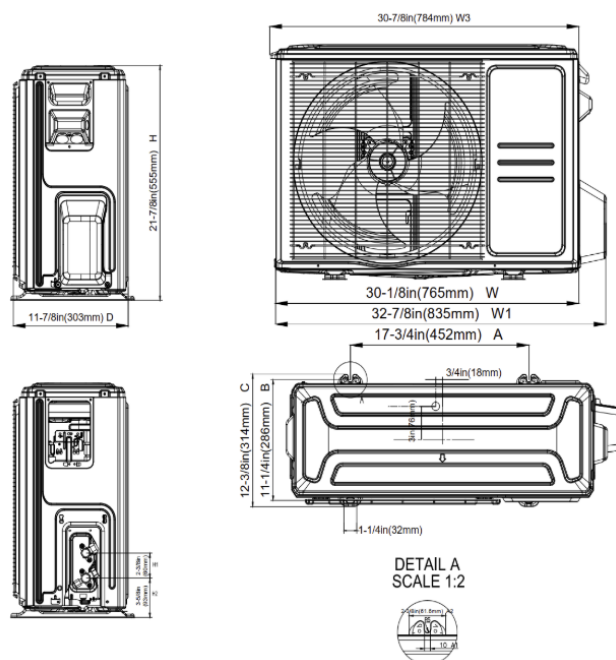
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



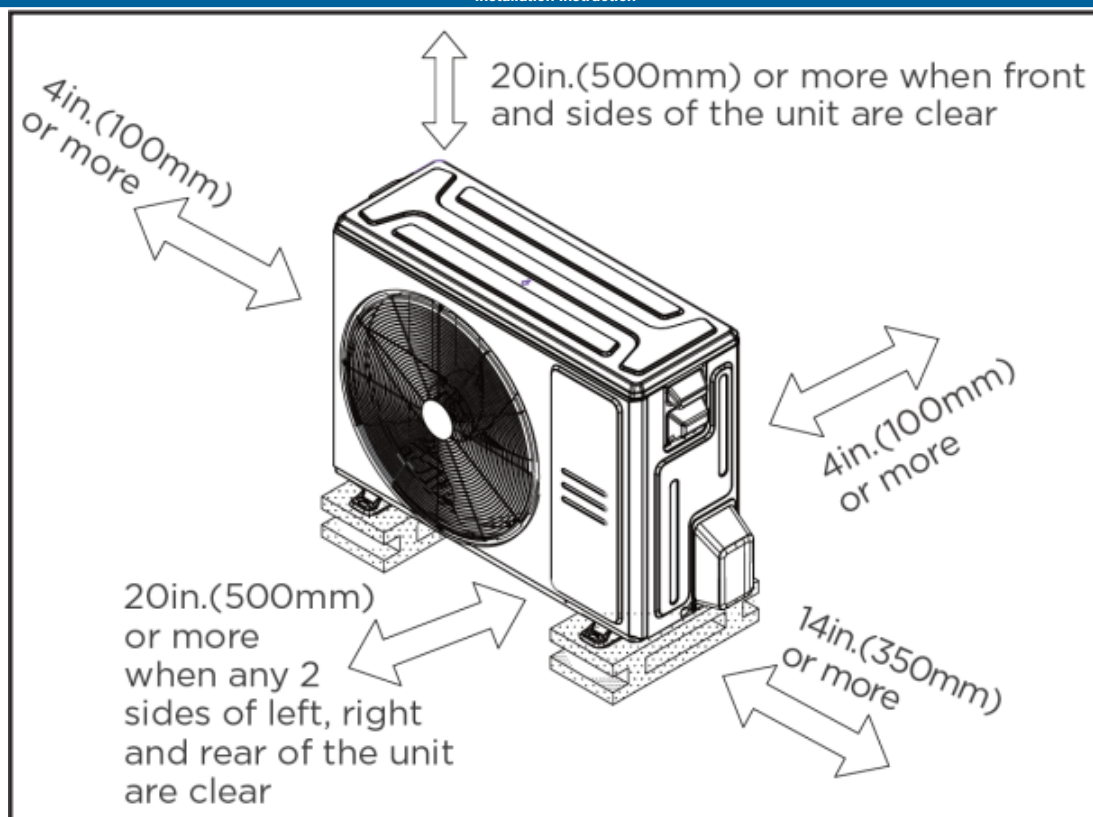
Indoor unit dimensions(WxH):
31.54in(802mm)x11.69in(297mm)

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

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-12-HP-C-230D-O / A-12-HP-WMAH-230D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	359/306.1/206/144.2
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	44/38/32/22.5/21
Dimension (WxDxH)	inch	31.57 x 7.44 x 11.69
	mm	802 x 189 x 297
Package (WxDxH)	inch	34.45 x 11.22 x 14.96
	mm	875 x 285 x 380
Net/Gross Weight	lbs	19.4/25.13
	kg	8.8/11.4

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN98D64UFZ3
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	300
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1235.3
Outdoor Noise Level	dBA	54
Dimension (WxDxH)	inch	30.12 x 11.93 x 21.85
	mm	765 x 303 x 555
Package (WxDxH)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	59.08/64.37
	kg	26.8/29.2

EFFICIENCY			
Cooling		Heating	
SEER2	21.3	HSPF2-4	9.1
EER2	10.8	COP	3.18

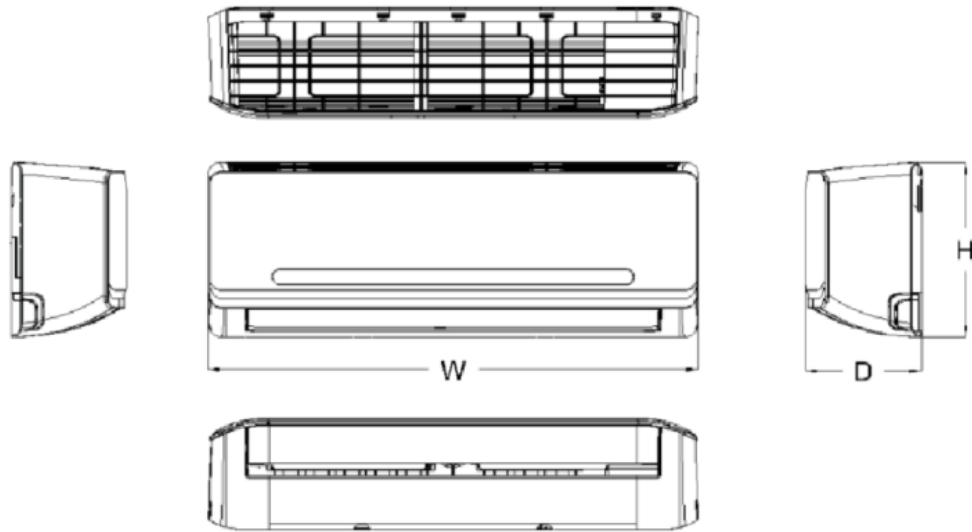
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	12000	
Min/Max Capacity	1700	13300
Moisture Removal(L/h)	1.5	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	12000	
1. @ 47°F Min/Max Capacity	3500	13400
2. @ 17°F Rated	8700	
3. @ 5°F Rated: Capacity / COP	8000	1.9
3. @ 5°F Max: Capacity	8000	
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	V, Hz, Ph	208/230V, 60Hz, 1PH
System MCA	A	13
Connection Wiring	-	14#x4
System MOCP	A	15
Compressor RLA	A	7.5
Outdoor Fan Motor RLA	A	0.4
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.2
Indoor Fan Motor	W	20
System Power Input @ Cooling (W)		1111 (140~1400)
System Power Input @ Heating (W)		1106 (325~1350)

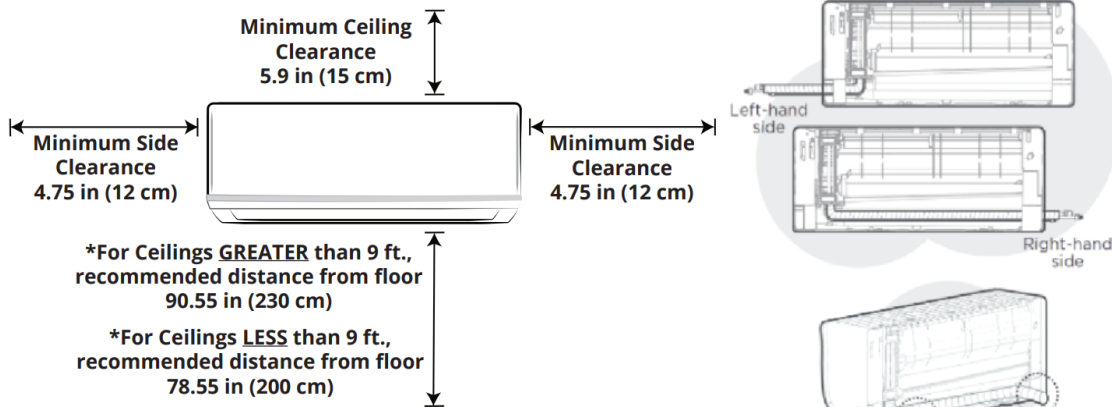
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Capillary
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	9.52mm (3/8in)
Max. Piping Length	ft (m)	82 (25)
Max. Height Difference	ft (m)	49.2 (15)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	24.69 (0.7)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension

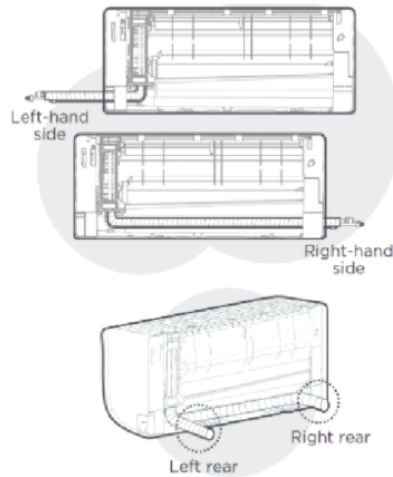


Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (226mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

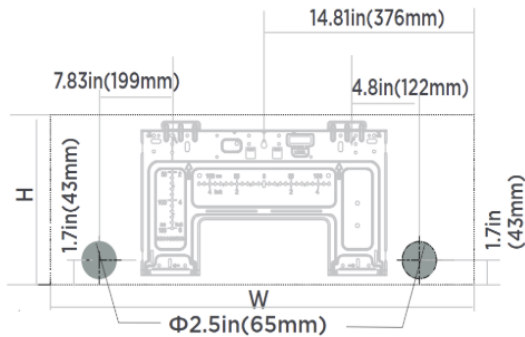
Installation Instruction



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.

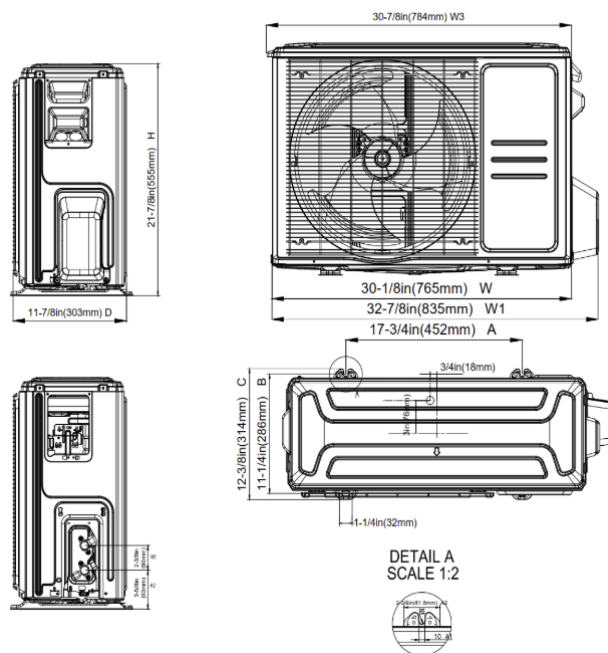


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

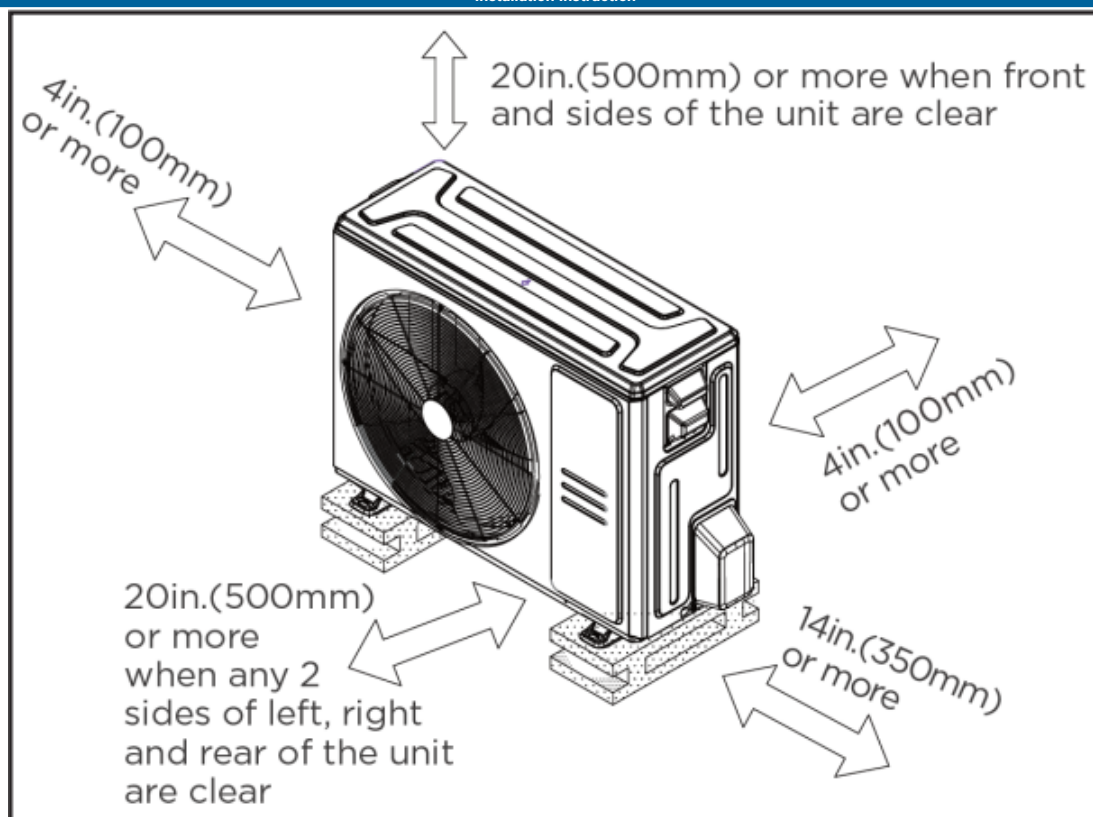


Indoor unit dimensions(WxH):
31.54in(802mm)x11.69in(297mm)

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-18-HP-C-230D-O / A-18-HP-WMAH-230D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	429.7/388.5/259/217.8
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	50.5/45/36/24/19
Dimension (WxDxH)	inch	37.99 x 8.46 x 12.56
	mm	965 x 215 x 319
Package (WxDxH)	inch	41.14 x 12.01 x 16.14
	mm	1045 x 305 x 410
Net/Gross Weight	lbs	24.47/32.63
	kg	11.1/14.8

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN140D21UFZ
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	440
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1235.3
Outdoor Noise Level	dBA	56
Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81
	mm	805 x 330 x 554
Package (WxDxH)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	72.31/78.48
	kg	32.8/35.6

EFFICIENCY			
Cooling		Heating	
SEER2	19.2	HSPF2-4	9.6
EER2	10.8	COP	3.06

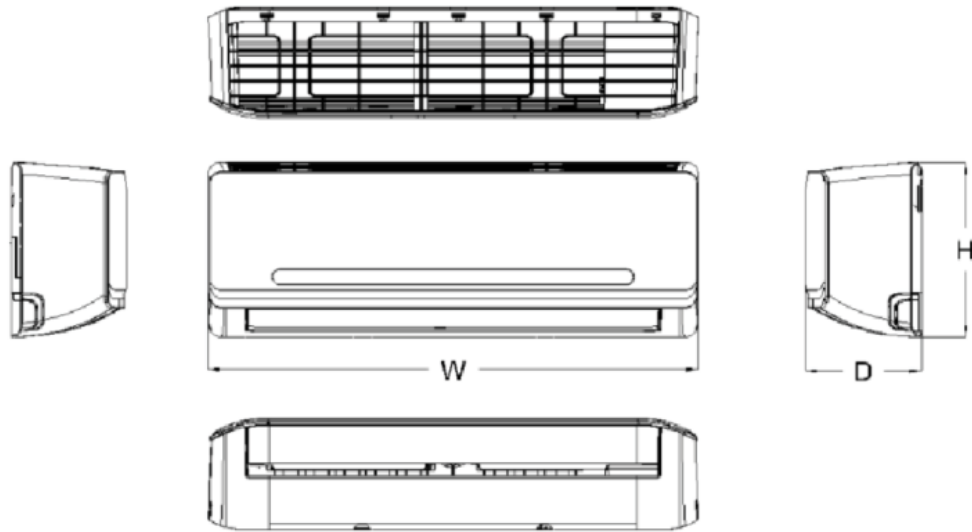
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	18000	
Min/Max Capacity	4100	19000
Moisture Removal(L/h)	2.5	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	18800	
1. @ 47°F Min/Max Capacity	6200	20200
2. @ 17°F Rated	12300	
3. @ 5°F Rated: Capacity / COP	11500	2.14
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	V, Hz, Ph	208/230V, 60Hz, 1PH
System MCA	A	15
Connection Wiring	-	14#x4
System MOCP	A	20
Compressor RLA	A	10
Outdoor Fan Motor RLA	A	0.4
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	0.5
Indoor Fan Motor	W	30
System Power Input @ Cooling (W)		1667 (365~1720)
System Power Input @ Heating (W)		1801 (380~1850)

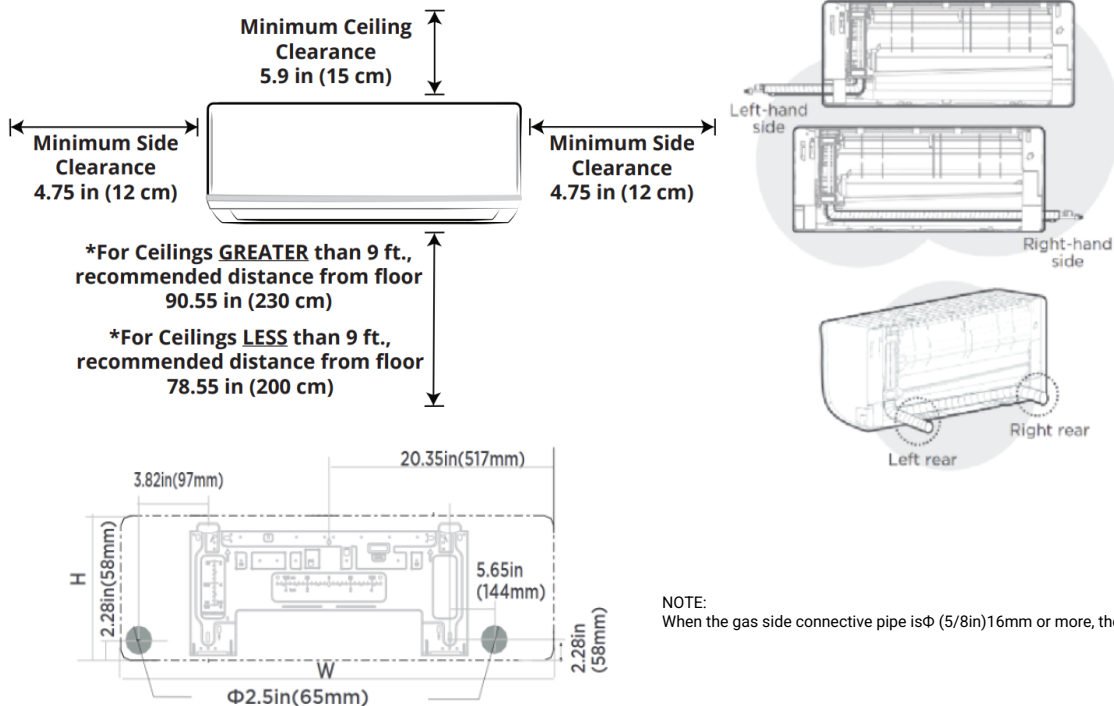
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Capillary
Liquid Size	mm (in)	6.35mm (1/4in)
Gas Size	mm (in)	12.7mm (1/2in)
Max. Piping Length	ft (m)	98.4 (30)
Max. Height Difference	ft (m)	65.6 (20)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	40.57 (1.15)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.16 (15)
Connection Method		Flared

Indoor Unit Dimension



Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (226mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

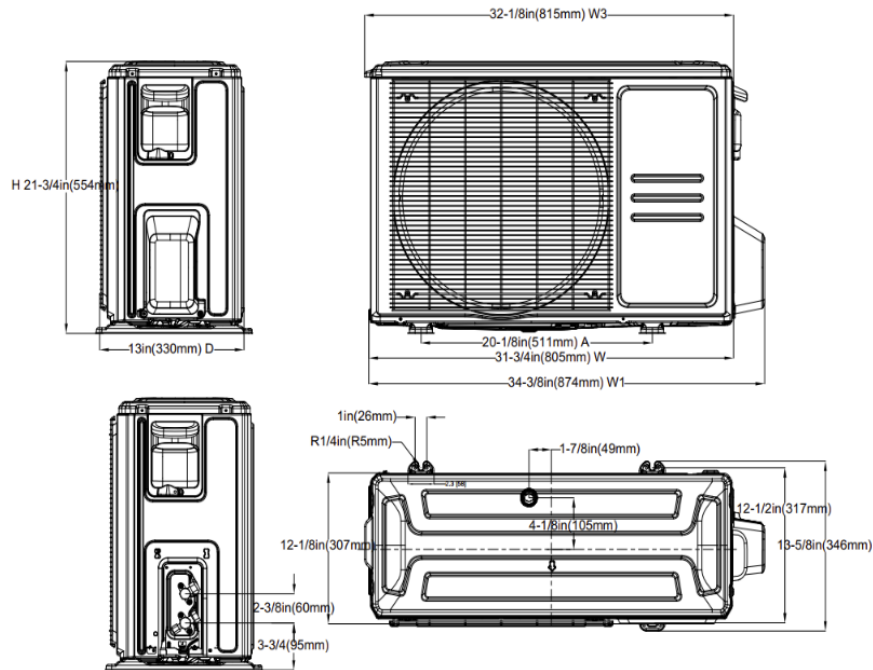
Installation Instruction



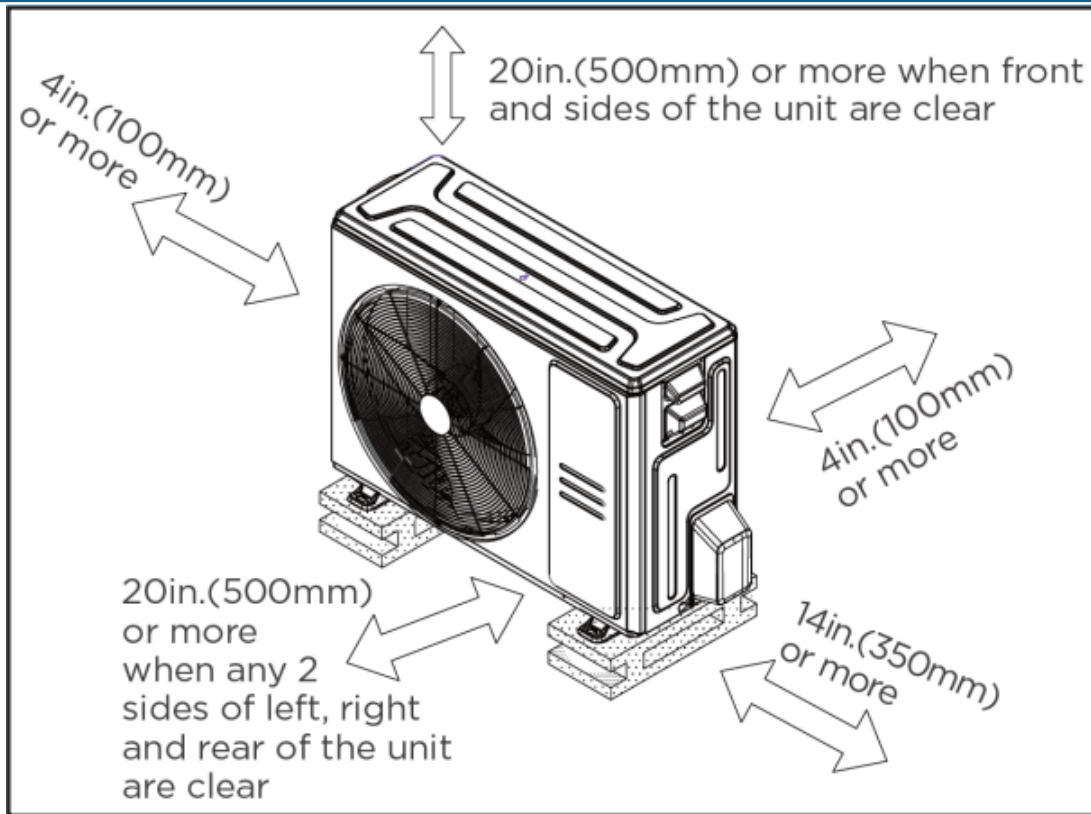
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

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



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-24-HP-C-230D-O / A-24-HP-WMAH-230D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	729.9/529.7/400.2/329.6
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	54/45/41.5/27/21.5
Dimension (WxDxH)	inch	42.52 x 8.9 x 13.19
	mm	1080 x 226 x 335
Package (WxDxH)	inch	45.47 x 16.34 x 12.6
	mm	1155 x 415 x 320
Net/Gross Weight	lbs	30.64/39.46
	kg	13.9/17.9

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	620
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1764.7
Outdoor Noise Level	dBA	59.5
Dimension (WxDxH)	inch	35.04 x 13.46 x 26.5
	mm	890 x 342 x 673
Package (WxDxH)	inch	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	lbs	94.58/102.29
	kg	42.9/46.4

EFFICIENCY			
Cooling		Heating	
SEER2	18.7	HSPF2-4	9.3
EER2	10	COP	3.31

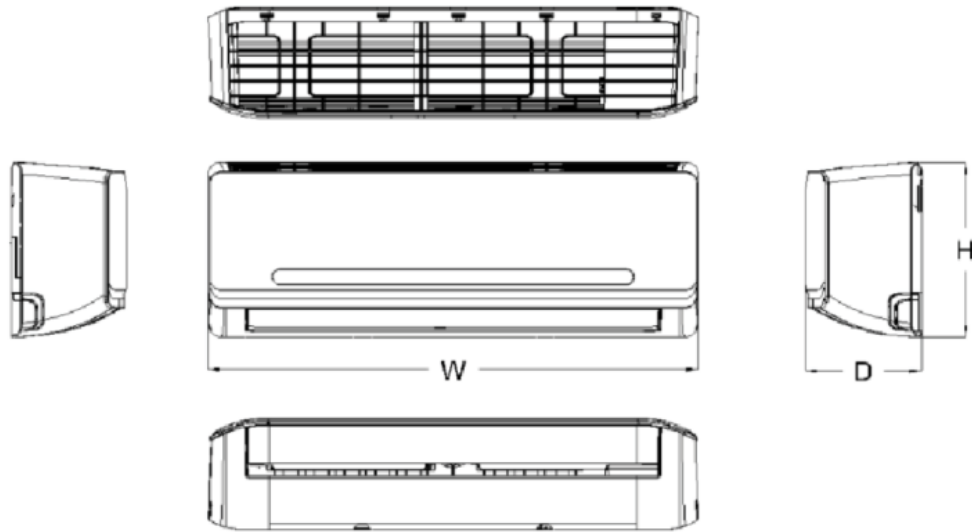
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	24000	
Min/Max Capacity	5500	24200
Moisture Removal(L/h)	3	
Standard Operating Range(°F/°C)	5~122 (-15~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	24000	
1. @ 47°F Min/Max Capacity	6300	27000
2. @ 17°F Rated	16900	
3. @ 5°F Rated: Capacity / COP	17000	2.14
3. @ 5°F Max: Capacity	17000	
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	V, Hz, Ph	208/230V, 60Hz, 1PH
System MCA	A	19
Connection Wiring	-	14#x4
System MOCP	A	20
Compressor RLA	A	13.8
Outdoor Fan Motor RLA	A	0.8
Outdoor Fan Motor	W	80
Indoor Fan Motor RLA	A	0.6
Indoor Fan Motor	W	58
System Power Input @ Cooling (W)		2400 (480~2590)
System Power Input @ Heating (W)		2125 (410~2690)

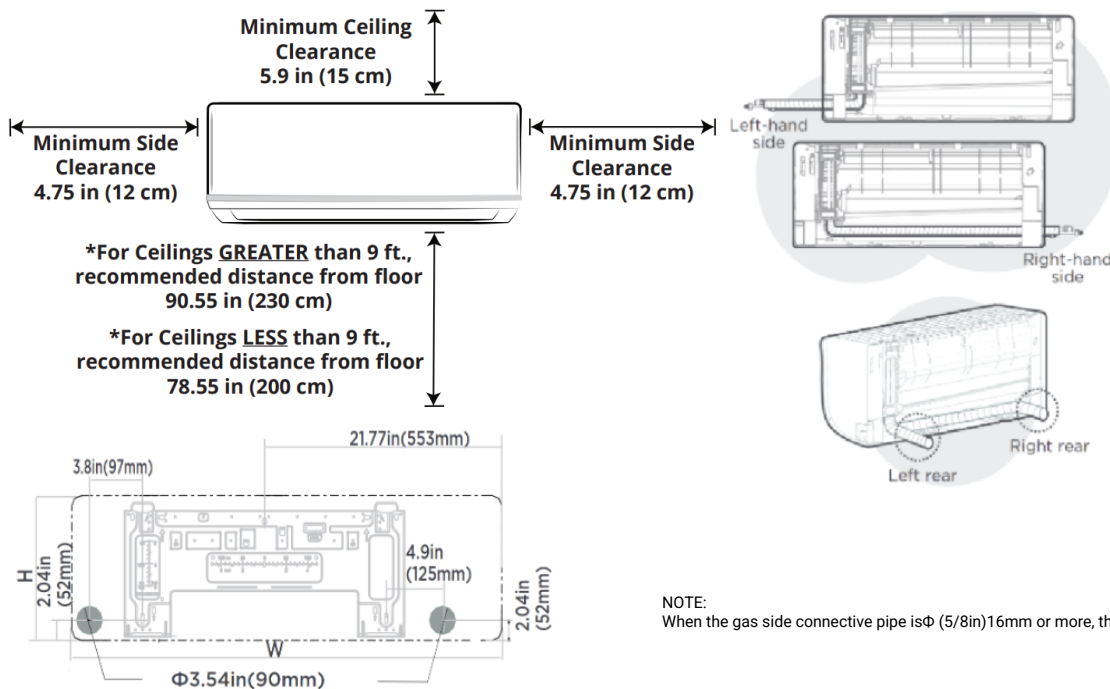
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	Throttle Valve
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	15.9mm (5/8in)
Max. Piping Length	ft (m)	164 (50)
Max. Height Difference	ft (m)	82 (25)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	53.62 (1.52)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.32 (30)
Connection Method		Flared

Indoor Unit Dimension



Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (226mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

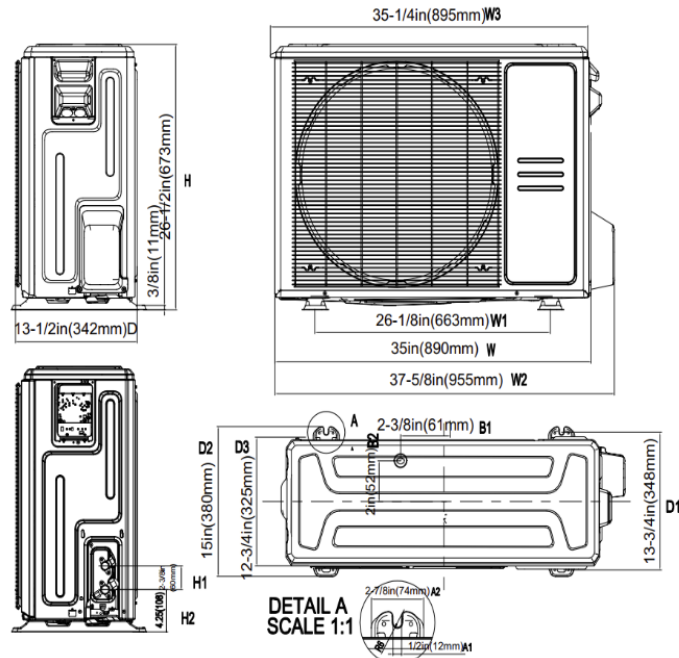
Installation Instruction



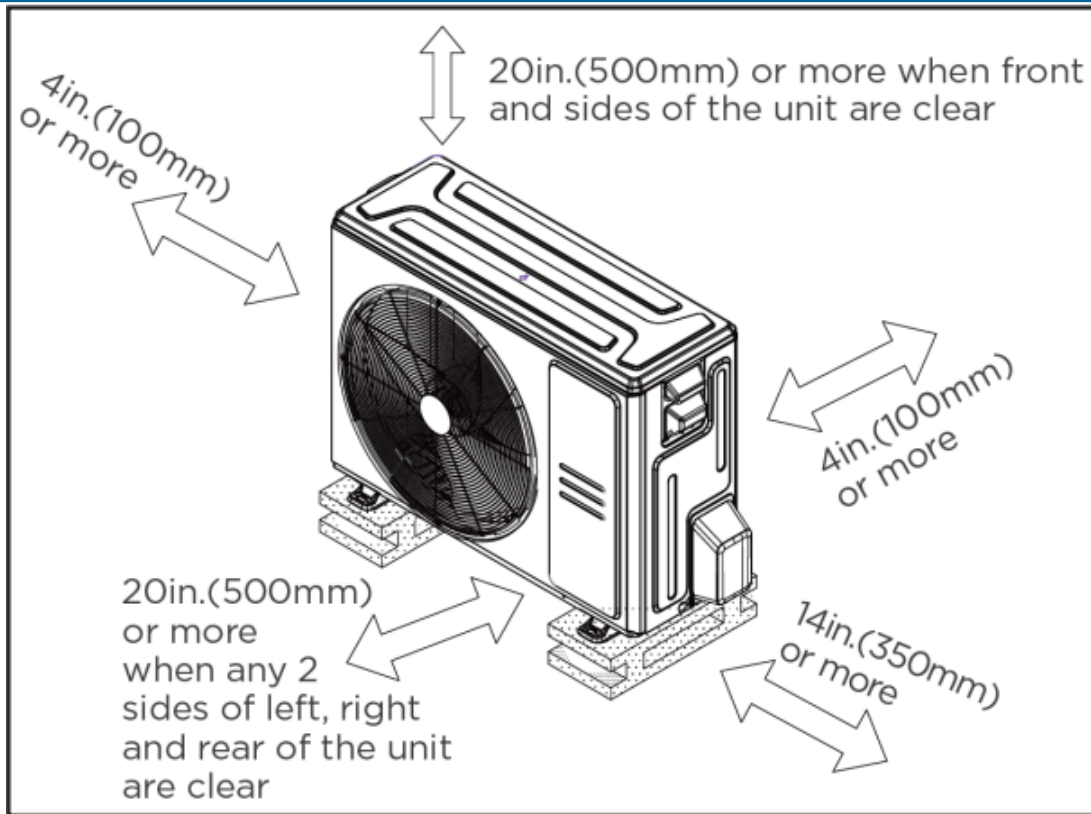
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

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

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller



Submittal Data Sheet

Series Name: Advantage
Model Number: A-36-HP-C-230D-O / A-36-HP-WMAH-230D-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	882.9/732.8/518/400.2
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	56.5/50.5/44.5/34/28
Dimension (WxDxH)	inch	49.57 x 11.1 x 14.25
	mm	1259 x 282 x 362
Package (WxDxH)	inch	52.76 x 17.72 x 15.16
	mm	1340 x 450 x 385
Net/Gross Weight	lbs	40.34/54.01
	kg	18.3/24.5

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF250D22UMT
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	670
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	2235.3
Outdoor Noise Level	dBA	60.5
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	150.35/160.27
	kg	68.2/72.7

EFFICIENCY			
Cooling		Heating	
SEER2	18	HSPF2-4	8.5
EER2	9	COP	2.82

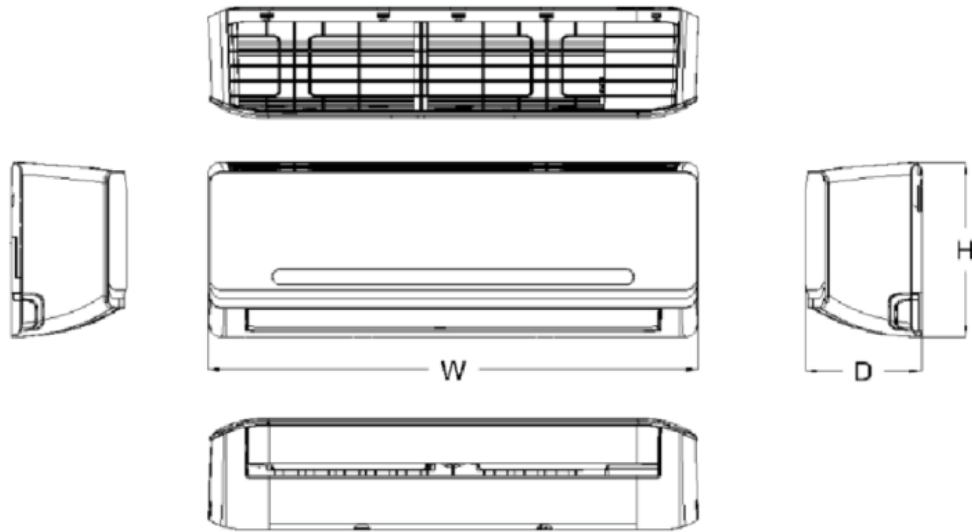
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	36000	
Min/Max Capacity	2900	36200
Moisture Removal(L/h)	4.9	
Standard Operating Range(°F/°C)	-13~122 (-25~50)	
Conditions:	Indoor: 80°F DB / 67°F WB	
	Outdoor: 95°F DB / 75°F WB	

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	36000	
1. @ 47°F Min/Max Capacity	3600	36600
2. @ 17°F Rated	24600	
3. @ 5°F Rated: Capacity / COP	21400	1.8
3. @ 5°F Max: Capacity	21400	
Standard Operating Range(°F/°C)	-13~75 (-25~24)	
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	V, Hz, Ph	208/230V, 60Hz, 1PH
System MCA	A	33
Connection Wiring	-	14#x4
System MOCP	A	35
Compressor RLA	A	21.5
Outdoor Fan Motor RLA	A	1.3
Outdoor Fan Motor	W	120
Indoor Fan Motor RLA	A	0.7
Indoor Fan Motor	W	58
System Power Input @ Cooling (W)		4000 (380~4140)
System Power Input @ Heating (W)		3741 (445~3950)

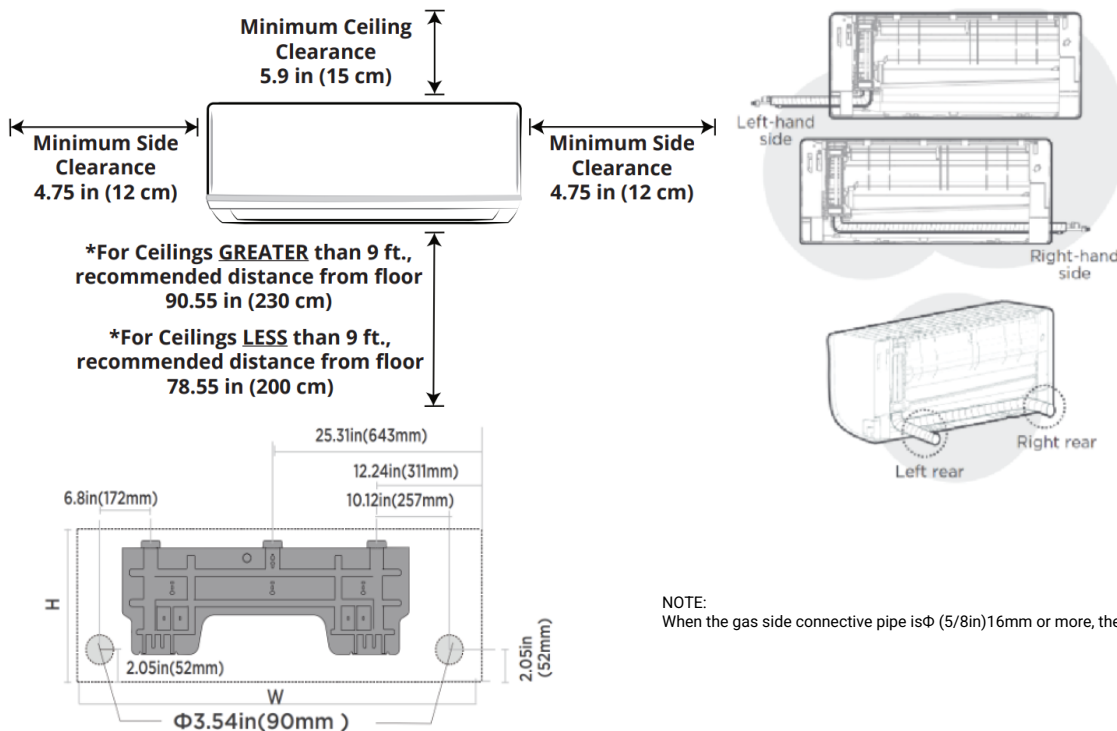
PIPING		
Throttle Type	Indoor	N/A
Throttle Type	Outdoor	EXV + Throttle Valve
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	15.9mm (5/8in)
Max. Piping Length	ft (m)	213.2 (65)
Max. Height Difference	ft (m)	98.4 (30)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	112.88 (3.2)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.32 (30)
Connection Method		Flared

Indoor Unit Dimension



Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
9K	A	38-1/2 (722mm)	7-3/8in (187mm)	11-3/8in (290mm)
12K	B	31-1/2in (802mm)	7-1/2in (189mm)	11-3/4in (297mm)
18K	C	38in (965mm)	8-1/2in (215mm)	12-1/2in (319mm)
24K	D	42-1/2in (1080mm)	8-7/8in (266mm)	13-1/4in (335mm)
36K	E	49-1/2in (1259mm)	11-1/8in (282mm)	14-1/4in (362mm)

Installation Instruction

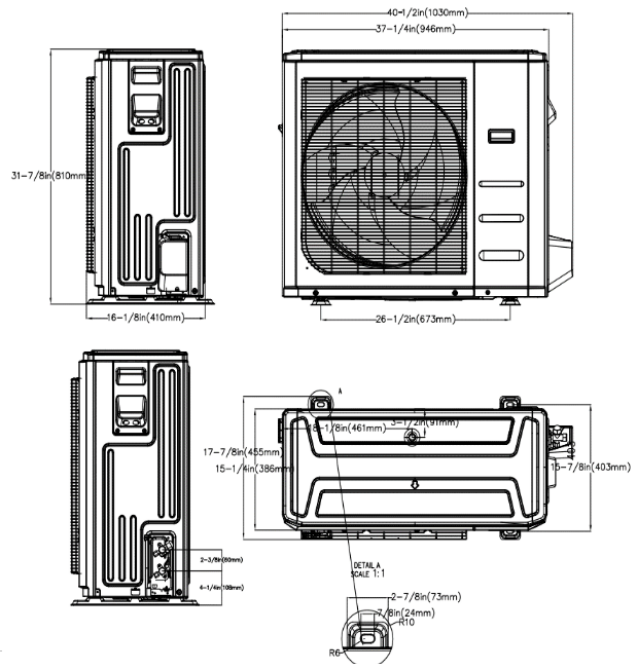


NOTE:
Based on the position of the wall hole
relative to the mounting plate, choose
the side from which the piping will exit
the unit. You have four options for the
exit direction of the piping.

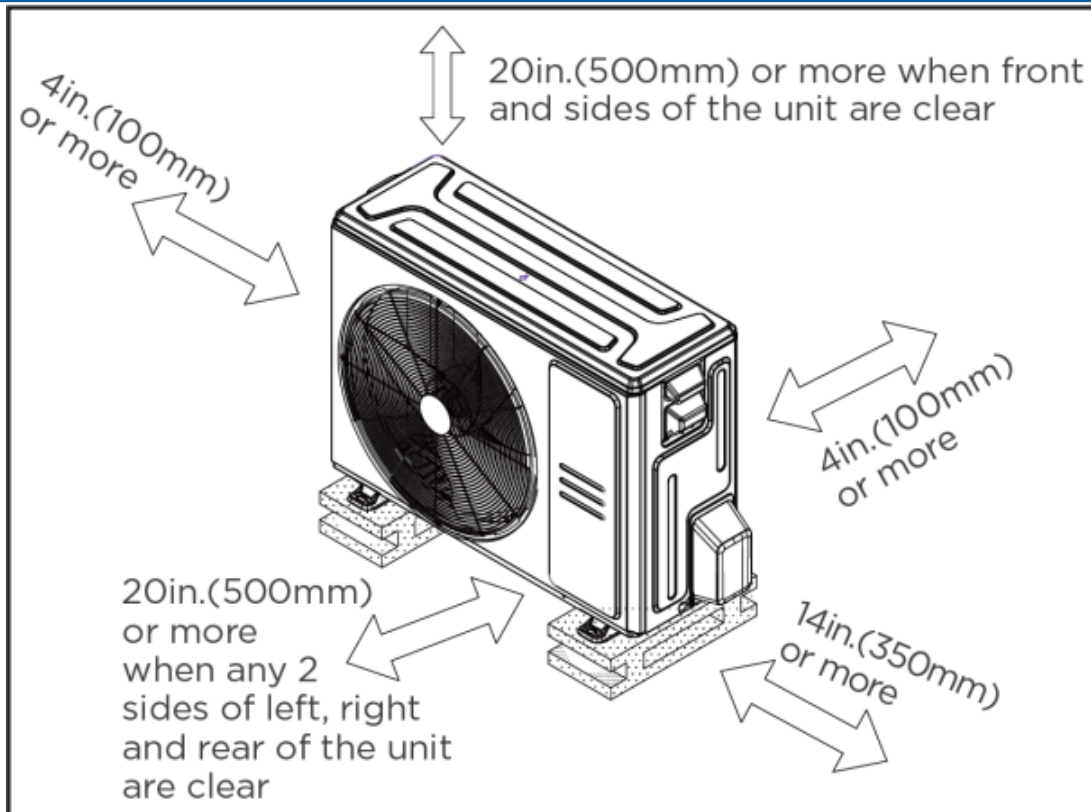
NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Indoor unit dimensions(WxH):
49.57in(1259mm)x14.25in(362mm)

Outdoor Unit Dimension



Installation Instruction



FEATURES

- Indoor unit TU1 copper coil

- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Control options available:
 - Wireless remote controller