

SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH18H/I44P
Outdoor unit model:	AH18H/O44P

Certifications:



Electrical Specification

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253

SYSTEM PERFORMANCE DATA

Cooling*		
Capacity Rated (Range)	(Btu/h)	18000(5350~18700)
Power Input Rated (Range)	(W)	1660(220~1800)
Current Rated (Range)	(A)	7.4(2~7.9)
SEER2	(Btu/W)	17
EER2	(Btu/W)	10.9

Heating*		
Capacity Rated (Range)	(Btu/h)	18000(5600~18700)
Power Input Rated (Range)	(W)	1530(340~1560)
Current Rated (Range)	(A)	6.8(2.6~6.9)
HSPF2-4	(Btu/W)	8.8
HSPF2-5	(Btu/W)	6.9
COP	W/W	3.45
Heat at 17°F(-8.3 °C)	(Btu/h)	12000
Heat at 5°F(-15 °C)	(Btu/h)	11000
COP at 5°F(-15 °C)	W/W	2

REFRIGERANT PIPING DATA

Throttle Type	EXV
Design Pressure	(PSIG) 550/340
Refrigerant Type	- R410A
Refrigerant Charge	(oz) 56.4384
Refrigerant Precharge	(ft) 25
	(m) 7.5
Connection method	Flared

Additional Charge For Each ft	(oz/ft) 0.69
Additional Charge For Each m	(g/m) 65
Liquid Side/ Gas Side	(inch) 3/8" / 3/4"
	(mm) 9.52/19
Max. pipe length	(ft) 98.42
	(m) 30
Max. difference in level	(ft) 65.62
	(m) 20

INDOOR UNIT DATA

Indoor Fan Motor		
Type		Centrifugal
Qty		1
RLA	(A)	2
Air flow & Noise level		
Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	617.65/576.47/529.41/488.24
Indoor Noise Level (Hi/Med/Lo)	(dB)	34/32/30
External Static Pressure Range (ESP)	(Pa)	0-200
	(W.C)	0-0.8
Electrical		
Minimum Circuit Ampacity	(A)	2.5
Max. Fuse	(A)	15

Dehumidification		
Dehumidification	(L/H)	1.86
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x17.52x45.00
	(mm)	534x445x1143
Packing(WxDxH)	(inch)	26.57x20.87x48.62
	(mm)	675x530x1235
Net/Gross weight	(lbs.)	105.82/129.41
	(kg)	48/58.7
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	60～90 / 32～86
	(Deg. °C)	16～32 / 0～30

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Capacity	(Btu/h)	14962
Input	(W)	1140
Rated Current (RLA)	(A)	9
Refrigerant Oil/Oil Charge	(ml)	VG74 440
Outdoor fan motor		
Qty		1
Output	(W)	34
RLA	(A)	1
Speed	(r/min)	840/700/650
Electrical		
Minimum Circuit Ampacity	(A)	16
Max. Fuse	(A)	20

Air flow & Noise level		
Outdoor Air Flow (Max.)	(CFM)	1450
Outdoor Noise Level	(dB)	52
Outdoor unit		
Dimension (W×D×H)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (W×D×H)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	75.84/81.35
	(kg)	34.4/36.9
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15 ~ 50 / -15 ~ 24

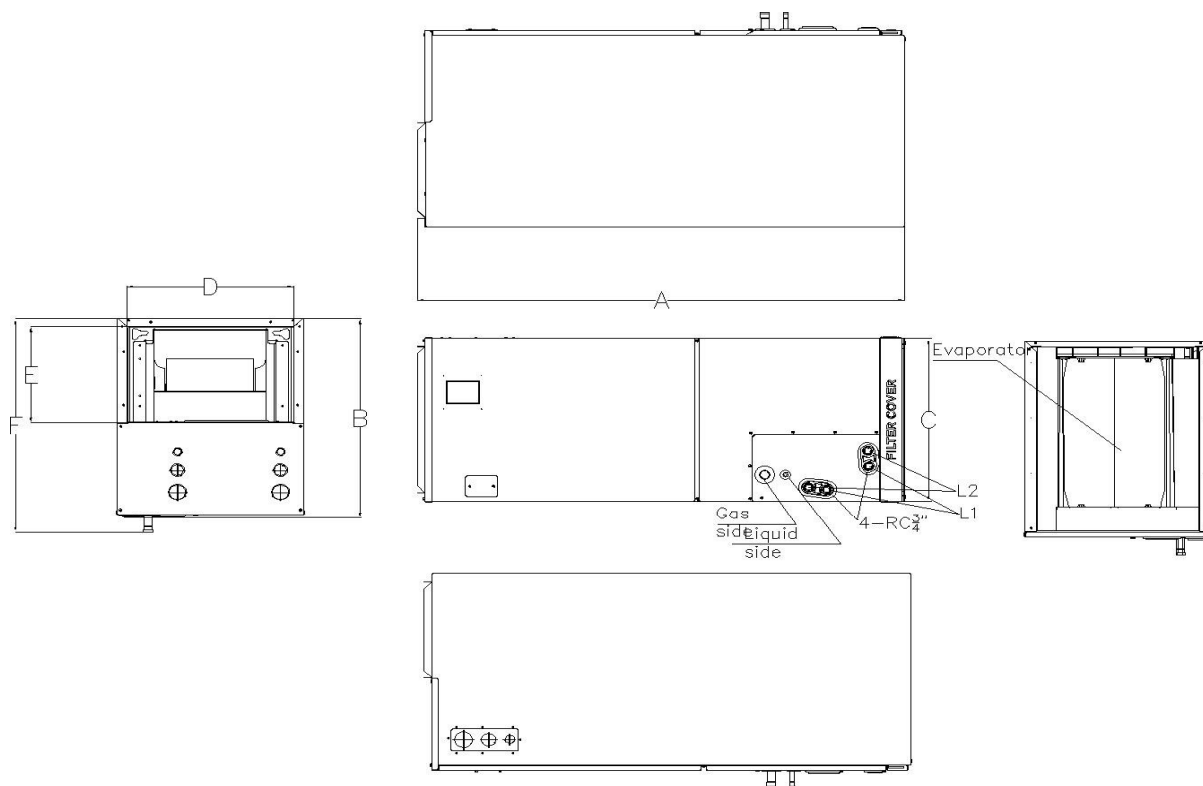
*Rating Conditions per AHRI Standard:

Cooling | Indoor: 80°F (27° C) DB / 67°F (19° C) WB
Cooling | Outdoor: 95°F (35° C) DB / 23.9° C (75° F) WB

Heating at 47°F | Indoor: 70°F (21° C) DB / 60°F (16° C) WB
Heating at 47°F | Outdoor: 47°F (8° C) DB / 43°F (6° C) WB

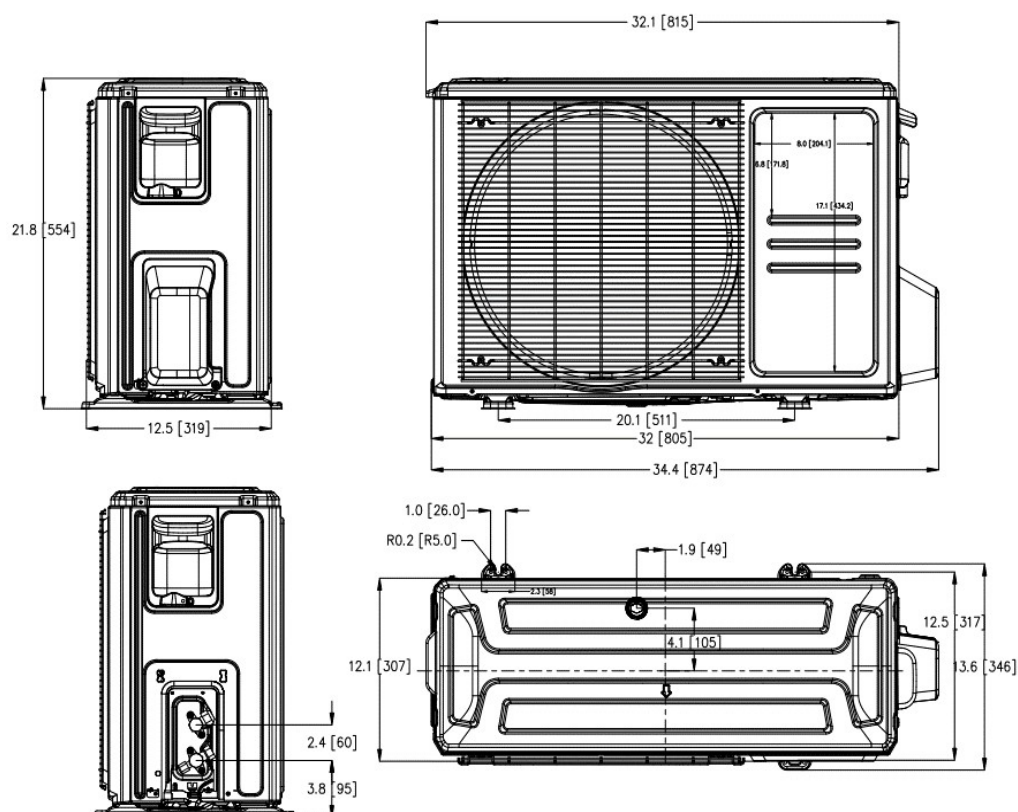
Heating at 17°F | Indoor: 70°F (21° C) DB
Heating at 17°F | Outdoor: 17°F (-8° C) DB / 15° F (-9° C) WB

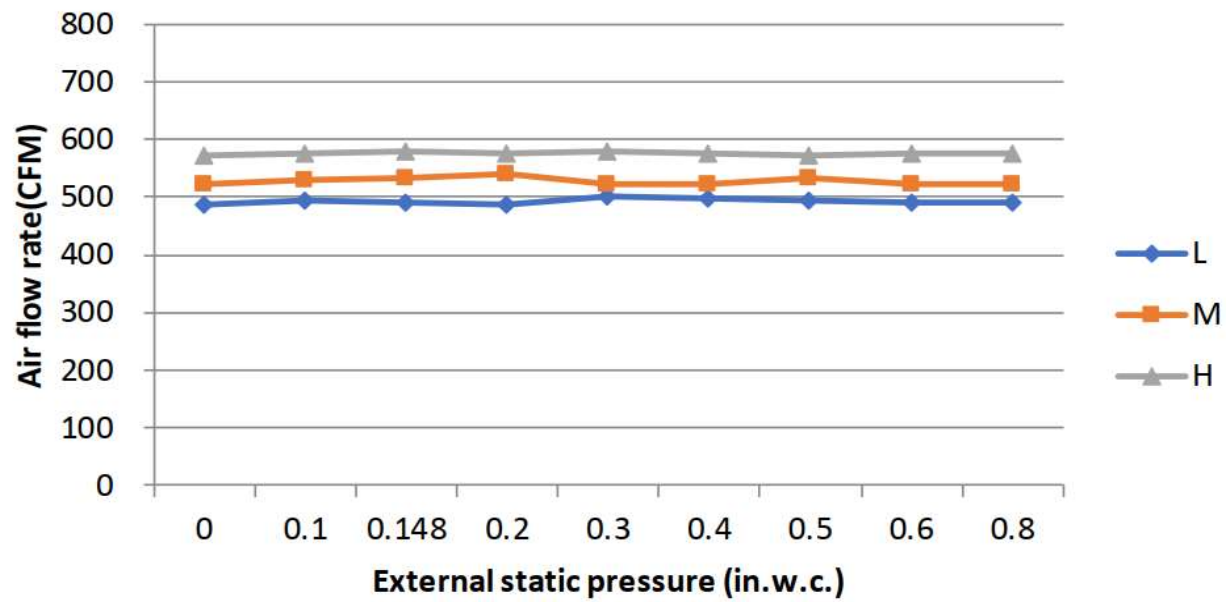
INDOOR UNIT DIMENSION



Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	280	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION



18K

SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH24H/I44P
Outdoor unit model:	AH24H/O44P

Certifications:



Electrical Specification

Power supply	
Normal Operational Voltage	(V, Ph, Hz) 208/230, 1, 60
Voltage Range	(V) 187-253

SYSTEM PERFORMANCE DATA

Cooling*		
Capacity Rated (Range)	(Btu/h)	24000(7500-26000)
Power Input Rated (Range)	(W)	2280(280-3450)
Current Rated (Range)	(A)	10.1(2.4-18)
SEER2	(Btu/W)	17
EER2	(Btu/W)	10.5

Heating*		
Capacity Rated (Range)	(Btu/h)	26000(5600-30000)
Power Input Rated (Range)	(W)	2240(350-3000)
Current Rated (Range)	(A)	9.9(2.7-16)
HSPF2-4	(Btu/W)	9.2
HSPF2-5	(Btu/W)	7.6
COP	W/W	3.4
Heat at 17°F(-8.3 °C)	(Btu/h)	21000
Heat at 5°F(-15 °C)	(Btu/h)	19400
COP at 5°F(-15 °C)	W/W	2.1

REFRIGERANT PIPING DATA

Throttle Type	EXV
Design Pressure	(PSIG) 550/340
Refrigerant Type	- R410A
Refrigerant Charge	(oz) 74.08
Refrigerant Precharge	(ft) 25
	(m) 7.5
Connection method	Flared

Additional Charge For Each ft	(oz/ft)	0.69
Additional Charge For Each m	(g/m)	65
Liquid Side/ Gas Side	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	164.04
	(m)	50
Max. difference in level	(ft)	82.02
	(m)	25

INDOOR UNIT DATA

Indoor Fan Motor		
Type		Centrifugal
Qty		1
RLA	(A)	3
Air flow & Noise level		
Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/758.82/694.12/629.41
Indoor Noise Level (Hi/Med/Lo)	(dB)	42/40/37
External Static Pressure Range (ESP)	(Pa)	0-200
	(W.C)	0-0.8
Electrical		
Minimum Circuit Ampacity	(A)	4
Max. Fuse	(A)	15

Dehumidification		
Dehumidification	(L/H)	2.38
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x17.52x45.00
	(mm)	534x445x1143
Packing(WxDxH)	(inch)	26.57x20.87x48.62
	(mm)	675x530x1235
Net/Gross weight	(lbs.)	105.60/127.43
	(kg)	47.9/57.8
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30

OUTDOOR UNIT DATA

Compressor		
Type		Twin-ROTARY
Capacity	(Btu/h)	26409
Input	(W)	2085
Rated Current (RLA)	(A)	14
Refrigerant Oil/Oil Charge	(ml)	ESTER OIL VG74 670
Outdoor fan motor		
Qty		1
Output	(W)	80
RLA	(A)	1
Speed	(r/min)	810/720
Electrical		
Minimum Circuit Ampacity	(A)	19
Max. Fuse	(A)	30

Air flow & Noise level		
Outdoor Air Flow (Max.)	(CFM)	1765
Outdoor Noise Level	(dB)	60
Outdoor unit		
Dimension (W×D×H)	(inch)	35.04x13.46x26.50
	(mm)	890x342x673
Packing (W×D×H)	(inch)	39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight	(lbs.)	102.29/109.13
	(kg)	46.4/49.5
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24

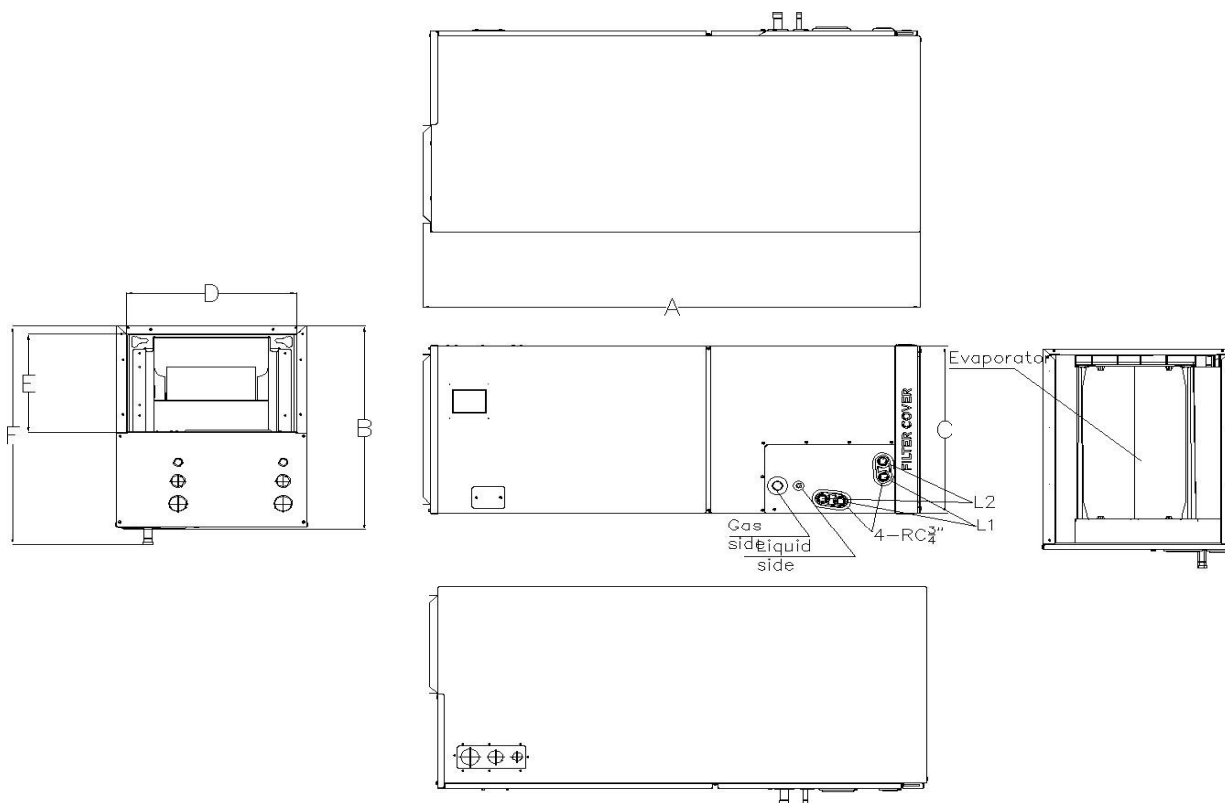
*Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

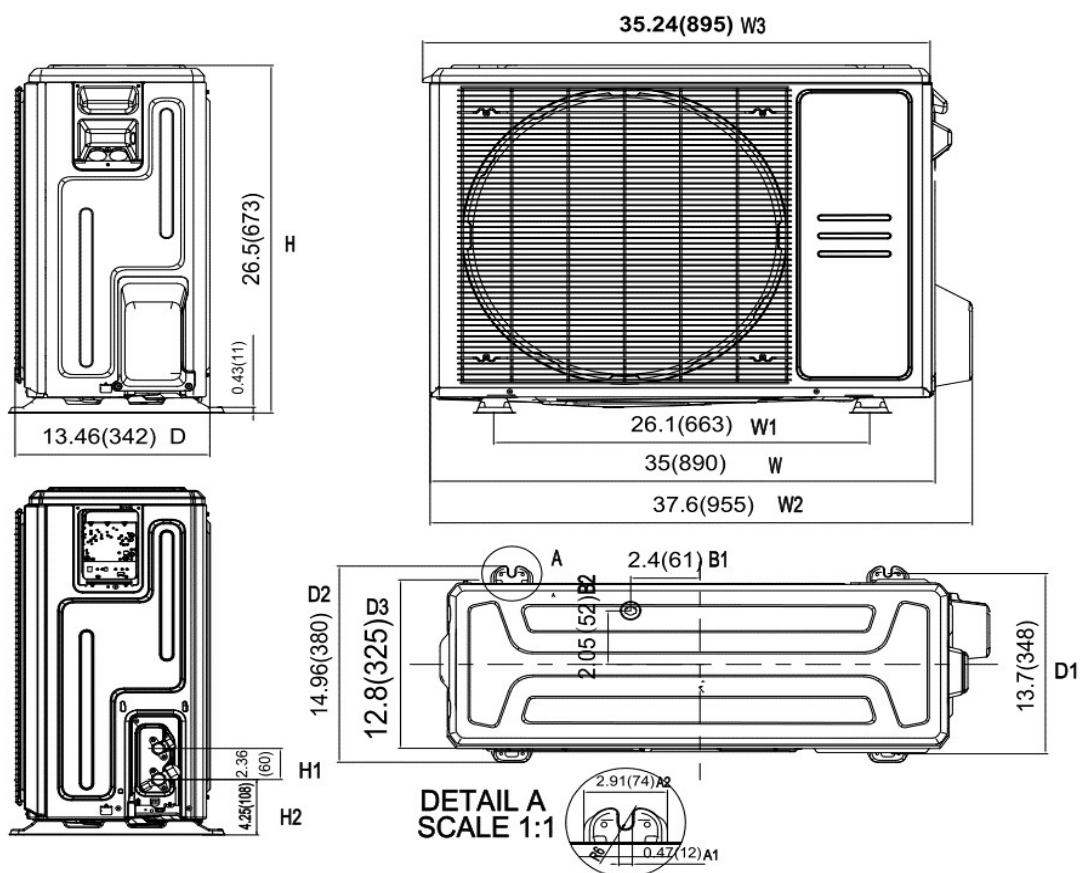
Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

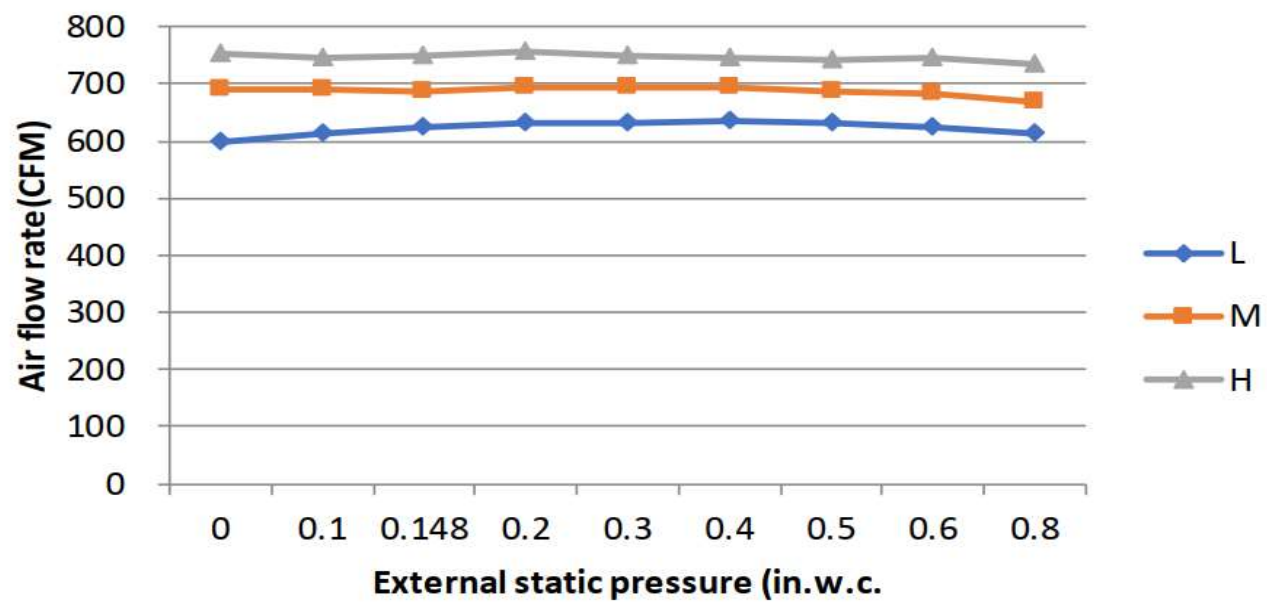
INDOOR UNIT DIMENSION



Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	260	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION



24K

SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH30H/I44P
Outdoor unit model:	AH30H/O44P

Certifications:



Electrical Specification

Power supply	
Normal Operational Voltage	(V, Ph, Hz) 208/230, 1, 60
Voltage Range	(V) 187-253

SYSTEM PERFORMANCE DATA

Cooling*		
Capacity Rated (Range)	(Btu/h)	30000(9500-33000)
Power Input Rated (Range)	(W)	2835(720-3330)
Current Rated (Range)	(A)	13.20(4.80-14.90)
SEER2	(Btu/W)	17.3
EER2	(Btu/W)	10.6

Heating*		
Capacity Rated (Range)	(Btu/h)	31000(12200-32000)
Power Input Rated (Range)	(W)	2795(1000-2960)
Current Rated (Range)	(A)	12.40(6.70-12.80)
HSPF2-4	(Btu/W)	8.5
HSPF2-5	(Btu/W)	6.6
COP	W/W	3.25
Heat at 17°F(-8.3 °C)	(Btu/h)	20000
Heat at 5°F(-15 °C)	(Btu/h)	17800
COP at 5°F(-15 °C)	W/W	1.7

REFRIGERANT PIPING DATA

Throttle Type	EXV
Design Pressure	(PSIG) 550/340
Refrigerant Type	- R410A
Refrigerant Charge	(oz) 107.5857
Refrigerant Precharge	(ft) 25
	(m) 7.5
Connection method	Flared

Additional Charge For Each ft	(oz/ft)	0.69
Additional Charge For Each m	(g/m)	65
Liquid Side/ Gas Side	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	164.04
	(m)	50
Max. difference in level	(ft)	82.02
	(m)	25

INDOOR UNIT DATA

Indoor Fan Motor		
Type		Centrifugal
Qty		1
RLA	(A)	3.5
Air flow & Noise level		
Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	1088.24/894.12/805.88/711.76
Indoor Noise Level (Hi/Med/Lo)	(dB)	40.5/37.5/28
External Static Pressure Range (ESP)	(Pa)	0-200
	(W.C)	0-0.8
Electrical		
Minimum Circuit Ampacity	(A)	4.5
Max. Fuse	(A)	15

Dehumidification		
Dehumidification	(L/H)	3.41
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	26.57x24.41x52.56
	(mm)	675x620x1335
Net/Gross weight	(lbs.)	129.19/155.64
	(kg)	58.6/70.6
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Capacity	(Btu/h)	27620
Input	(W)	2200
Rated Current (RLA)	(A)	16
Refrigerant Oil/Oil Charge	(ml)	VG74/670
Outdoor fan motor		
Qty		1
Output	(W)	120
RLA	(A)	1
Speed	(r/min)	1150/1050/900/850
Electrical		
Minimum Circuit Ampacity	(A)	20
Max. Fuse	(A)	35

Air flow & Noise level		
Outdoor Air Flow (Max.)	(CFM)	3000
Outdoor Noise Level	(dB)	60
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	141.76/151.46
	(kg)	64.3/68.7
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24

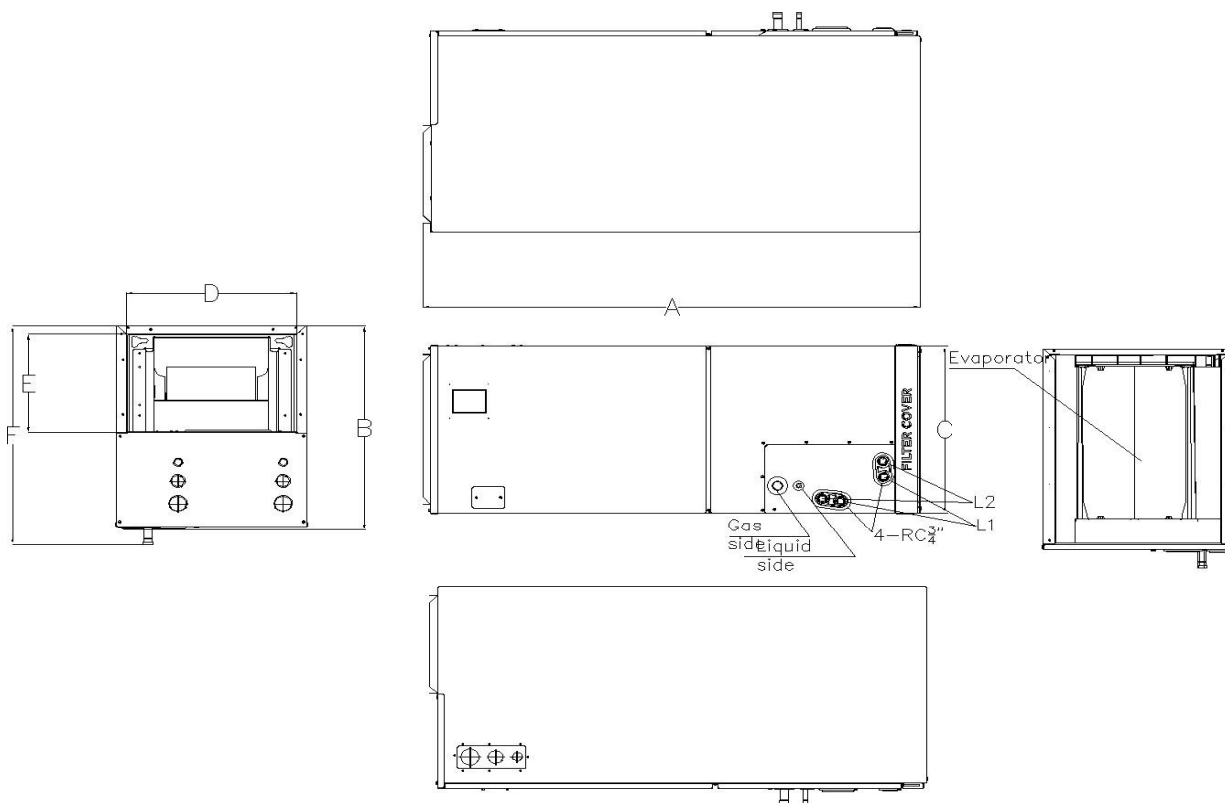
*Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 73° F (23° C) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

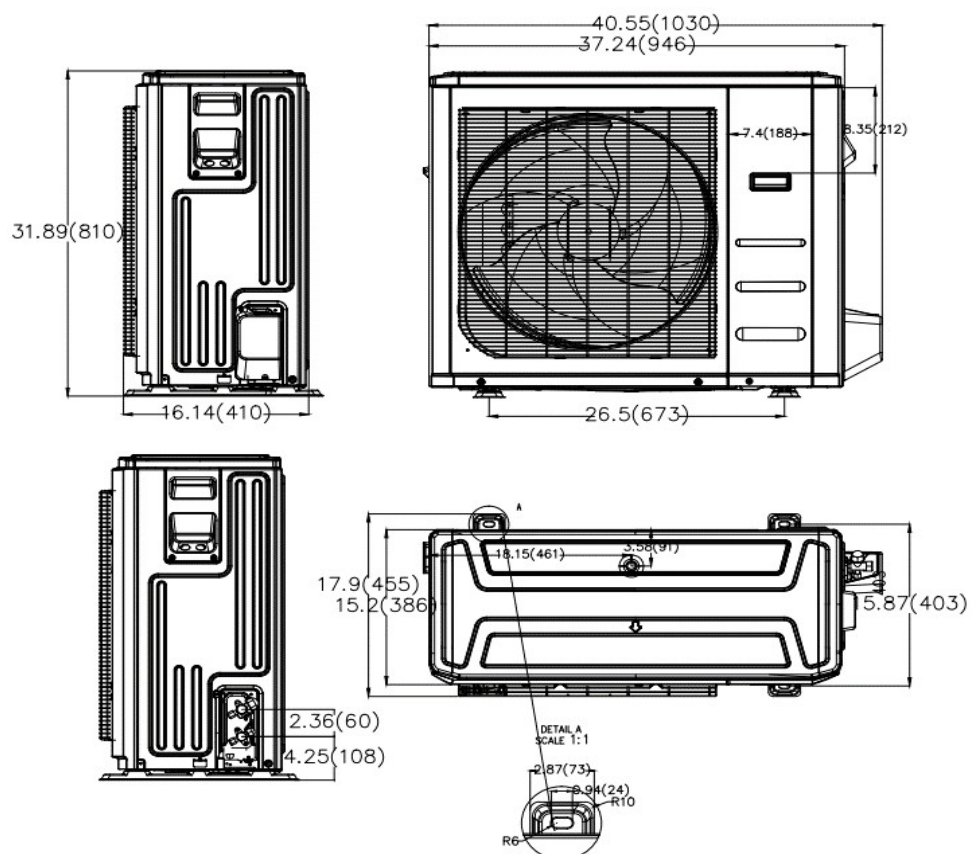
Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

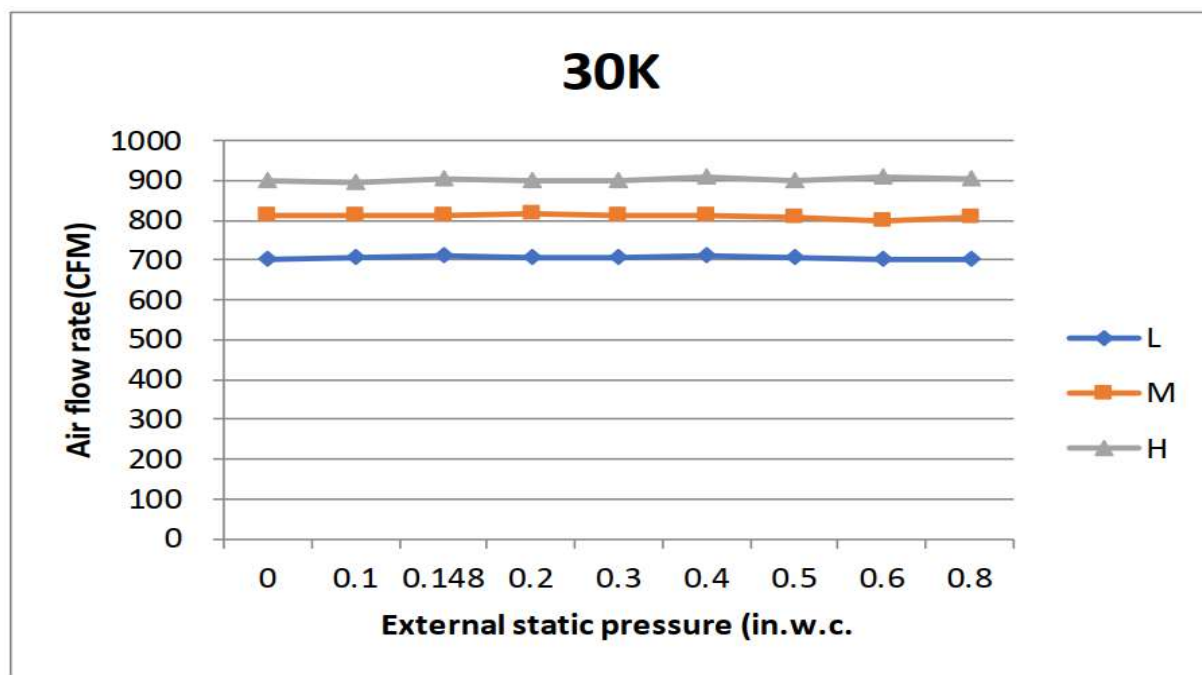
INDOOR UNIT DIMENSION



Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	260	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION





SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH36H/I44P
Outdoor unit model:	AH36H/O44P

Certifications:



Electrical Specification

Power supply

Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253

SYSTEM PERFORMANCE DATA

Cooling*

Capacity Rated (Range)	(Btu/h)	36000(8900~38900)
Power Input Rated (Range)	(W)	3560(320~4030)
Current Rated (Range)	(A)	15.82(2.60~17.90)
SEER2	(Btu/W)	16.9
EER2	(Btu/W)	10.1

Heating*

Capacity Rated (Range)	(Btu/h)	36000(9700~36400)
Power Input Rated (Range)	(W)	3110(470~3690)
Current Rated (Range)	(A)	15.8(3.5~15.5)
HSPF2-4	(Btu/W)	8.2
HSPF2-5	(Btu/W)	6.1
COP	W/W	3.39
Heat at 17°F(-8.3 °C)	(Btu/h)	20500
Heat at 5°F(-15 °C)	(Btu/h)	21000
COP at 5°F(-15 °C)	W/W	1.9

REFRIGERANT PIPING DATA

Throttle Type	EXV
Design Pressure	(PSIG) 550/340
Refrigerant Type	- R410A
Refrigerant Charge	(oz) 130.5138
Refrigerant Precharge	(ft) 25
	(m) 7.5
Connection method	Flared

Additional Charge For Each ft	(oz/ft)	0.69
Additional Charge For Each m	(g/m)	65
Liquid Side/ Gas Side	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	213.25
	(m)	65
Max. difference in level	(ft)	98.42
	(m)	30

INDOOR UNIT DATA

Indoor Fan Motor

Type	Centrifugal
Qty	1
RLA	(A) 4

Air flow & Noise level

Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	1188.24/1082.35/970.59/864.71
Indoor Noise Level (Hi/Med/Lo)	(dB)	45.5/42.5/40
External Static Pressure Range (ESP)	(Pa)	0~200
	(W.C)	0~0.8

Electrical

Minimum Circuit Ampacity	(A)	5
Max. Fuse	(A)	15

Dehumidification

Dehumidification	(L/H)	3.62
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Indoor unit

Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	26.57x24.41x52.56
	(mm)	675x620x1335
Net/Gross weight	(lbs.)	129.19/155.64
	(kg)	58.6/70.6

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30

OUTDOOR UNIT DATA

Compressor

Type	ROTARY
Capacity	(Btu/h) 27620
Input	(W) 2200
Rated Current (RLA)	(A) 17.6
Refrigerant Oil/Oil Charge	(ml) VG74/670

Outdoor fan motor

Qty	1
Output	(W) 120
RLA	(A) 1
Speed	(r/min) 1150/1050/900/850

Electrical

Minimum Circuit Ampacity	(A)	24
Max. Fuse	(A)	40

Air flow & Noise level

Outdoor Air Flow (Max.)	(CFM)	2235
Outdoor Noise Level	(dB)	60

Outdoor unit

Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	151.68/161.16
	(kg)	68.8/73.1

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24

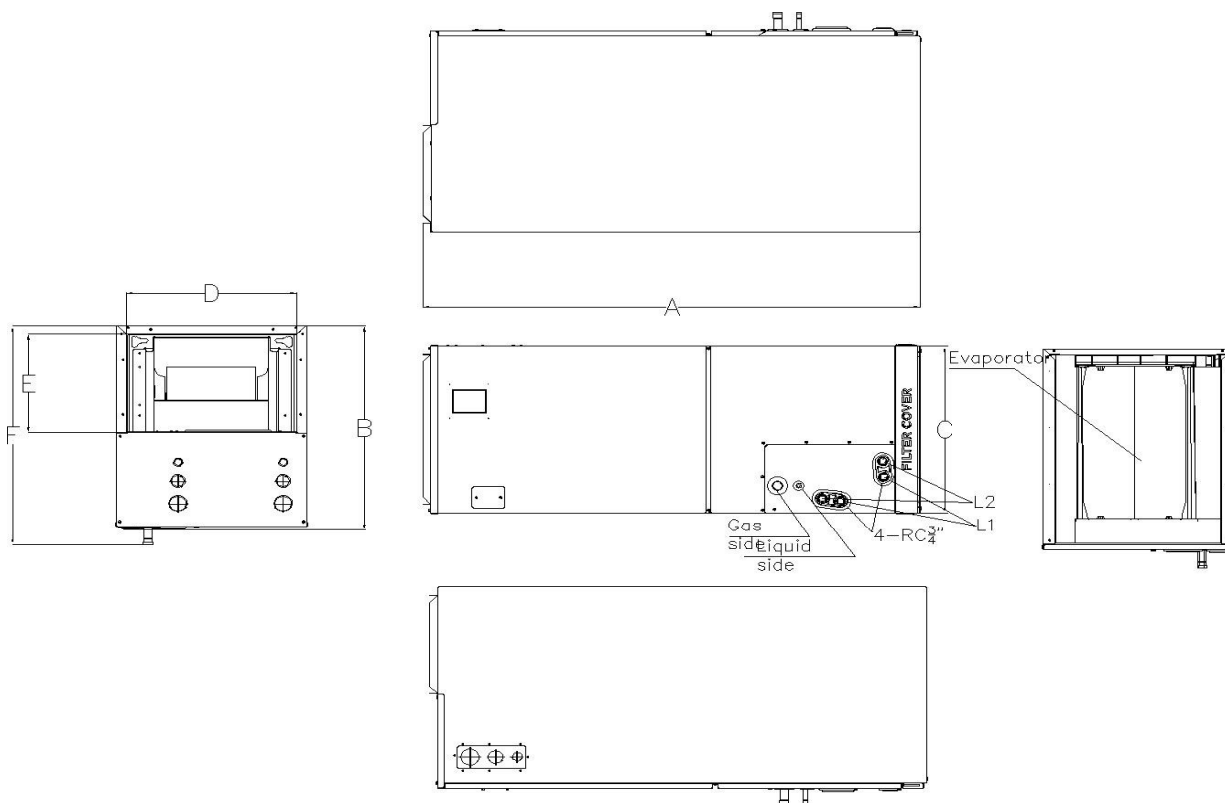
*Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

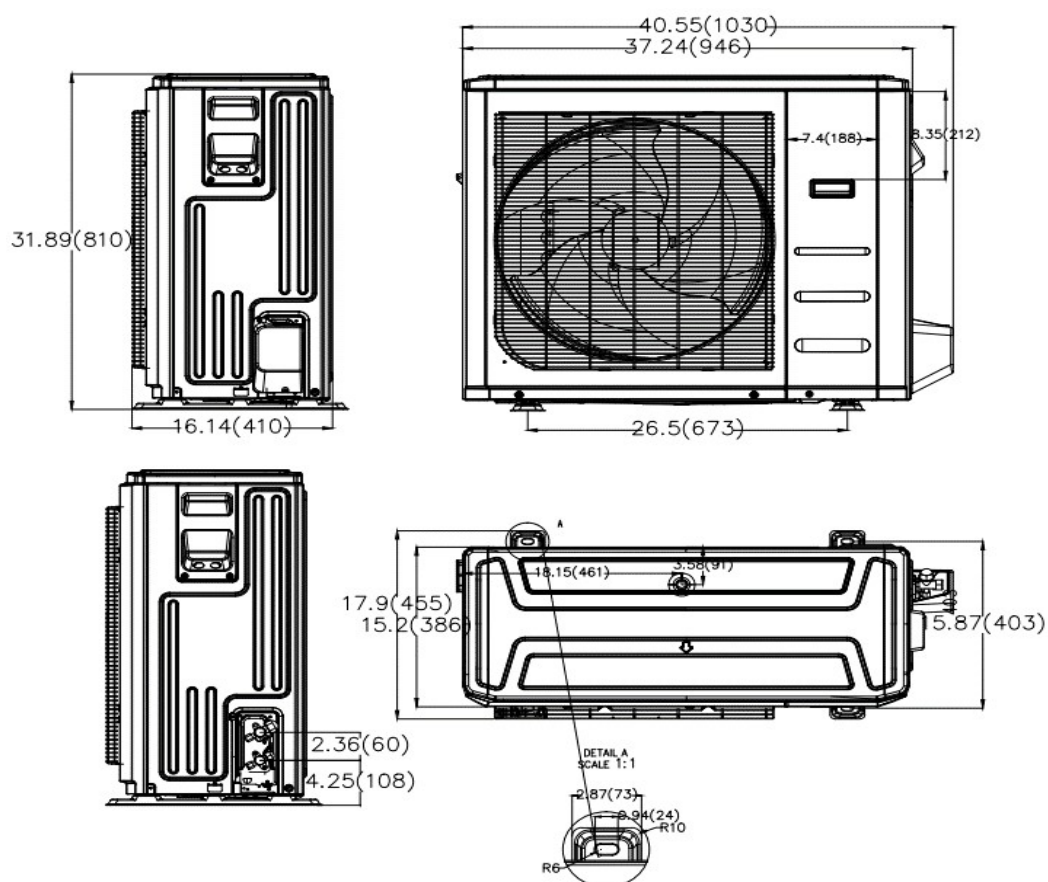
Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

INDOOR UNIT DIMENSION

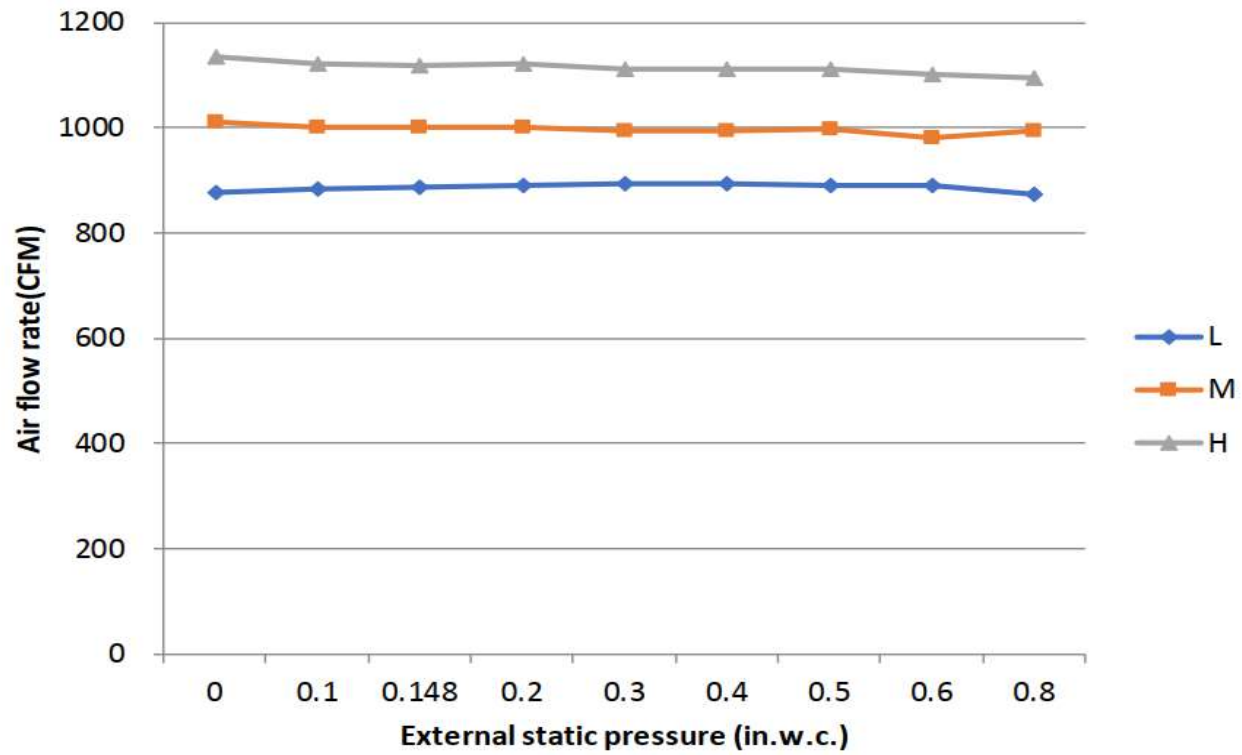


Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	260	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION



36K



SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH48H/I44P
Outdoor unit model:	AH48H/O44P

Certifications:



Electrical Specification

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253

SYSTEM PERFORMANCE DATA

Cooling*			Heating*		
Capacity Rated (Range)	(Btu/h)	47000(10500~48000)	Capacity Rated (Range)	(Btu/h)	55000(13500~57000)
Power Input Rated (Range)	(W)	5320(380~5290)	Power Input Rated (Range)	(W)	5117(760~5500)
Current Rated (Range)	(A)	23.2(2.9~24.1)	Current Rated (Range)	(A)	22.5(5.0~24.52)
SEER2	(Btu/W)	15.8	HSPF2-4	(Btu/W)	9.4
EER2	(Btu/W)	8.8	HSPF2-5	(Btu/W)	7.5
			COP	W/W	3.15
			Heat at 17°F(-8.3 °C)	(Btu/h)	37000
			Heat at 5°F(-15 °C)	(Btu/h)	36000
			COP at 5°F(-15 °C)	W/W	1.95

REFRIGERANT PIPING DATA

Throttle Type		EXV	Additional Charge For Each ft	(oz/ft)	0.69
Design Pressure	(PSIG)	550/340	Additional Charge For Each m	(g/m)	65
Refrigerant Type	-	R410A	Liquid Side/ Gas Side	(inch)	3/8" / 3/4"
Refrigerant Charge	(oz)	165.7878		(mm)	9.52/19
Refrigerant Precharge	(ft)	25	Max. pipe length	(ft)	213.25
	(m)	7.5		(m)	65
Connection method		Flared	Max. difference in level	(ft)	98.42
				(m)	30

INDOOR UNIT DATA

Indoor Fan Motor		
Type	Centrifugal	
Qty	1	
RLA	(A)	6
Air flow & Noise level		
Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	1470.59/1282.35/1094.12/905.88
Indoor Noise Level (Hi/Med/Lo)	(dB)	53/50/46
External Static Pressure Range (ESP)	(Pa)	0~200
	(W.C)	0~0.8
Electrical		
Minimum Circuit Ampacity	(A)	7.5
Max. Fuse	(A)	15

Dehumidification		
Dehumidification	(L/H)	4.64
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	26.57x24.41x52.56
	(mm)	675x620x1335
Net/Gross weight	(lbs.)	130.51/156.31
	(kg)	59.2/70.9
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30

OUTDOOR UNIT DATA

Compressor		
Type	ROTARY	
Capacity	(Btu/h)	46744
Input	(W)	3700
Rated Current (RLA)	(A)	24
Refrigerant Oil/Oil Charge	(ml)	VG74/1400
Outdoor fan motor		
Qty	2	
Output	(W)	85
RLA	(A)	2
Speed	(r/min)	850/750/650
Electrical		
Minimum Circuit Ampacity	(A)	34
Max. Fuse	(A)	50

Air flow & Noise level		
Outdoor Air Flow (Max.)	(CFM)	4500
Outdoor Noise Level	(dB)	59
Outdoor unit		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.59/248.68
	(kg)	98.7/112.8
Operating Temperature Range		
Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24

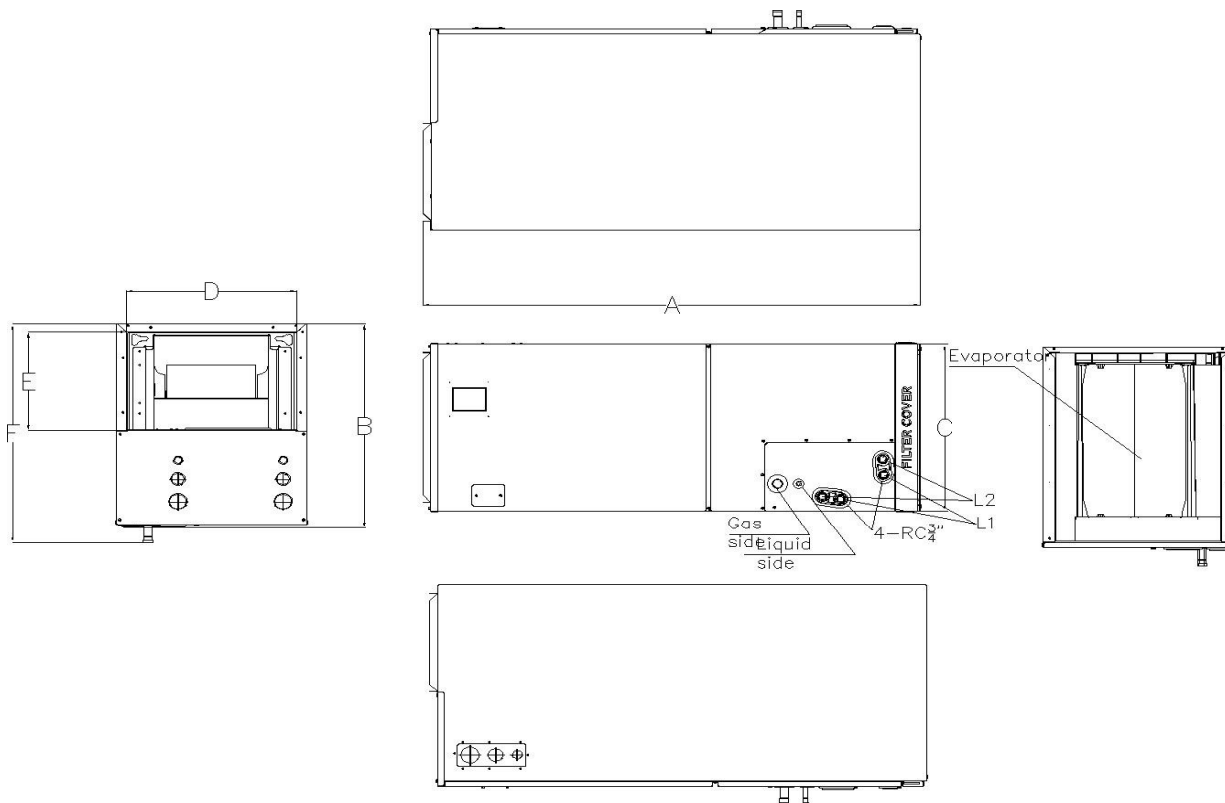
*Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

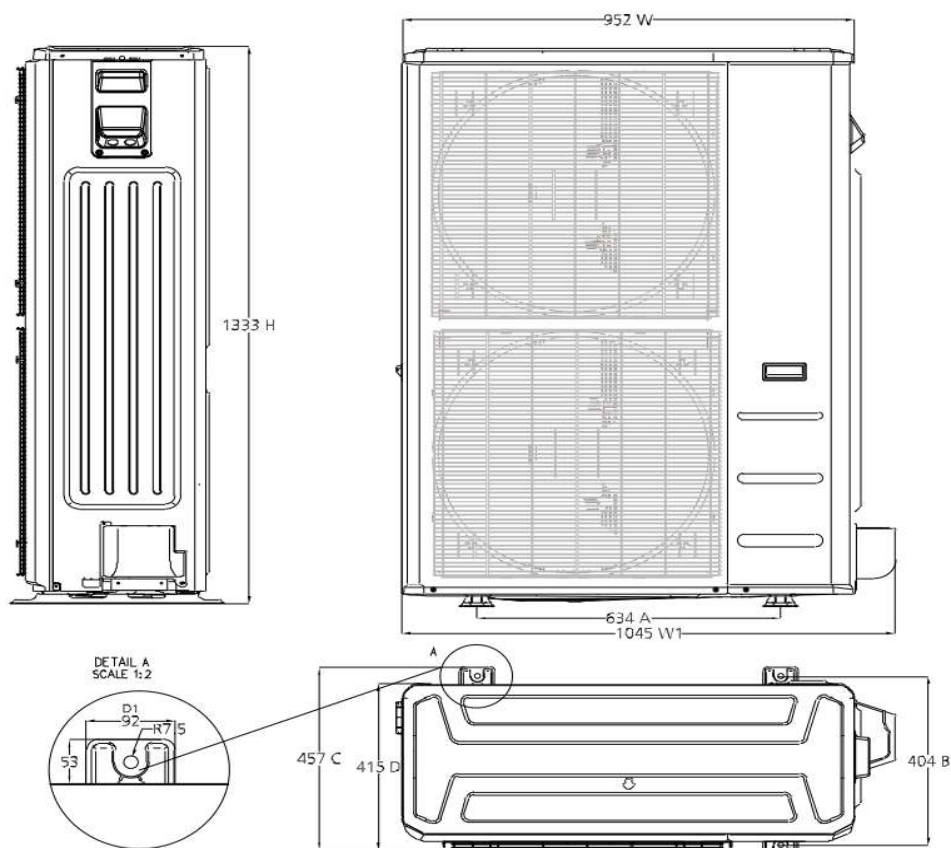
Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

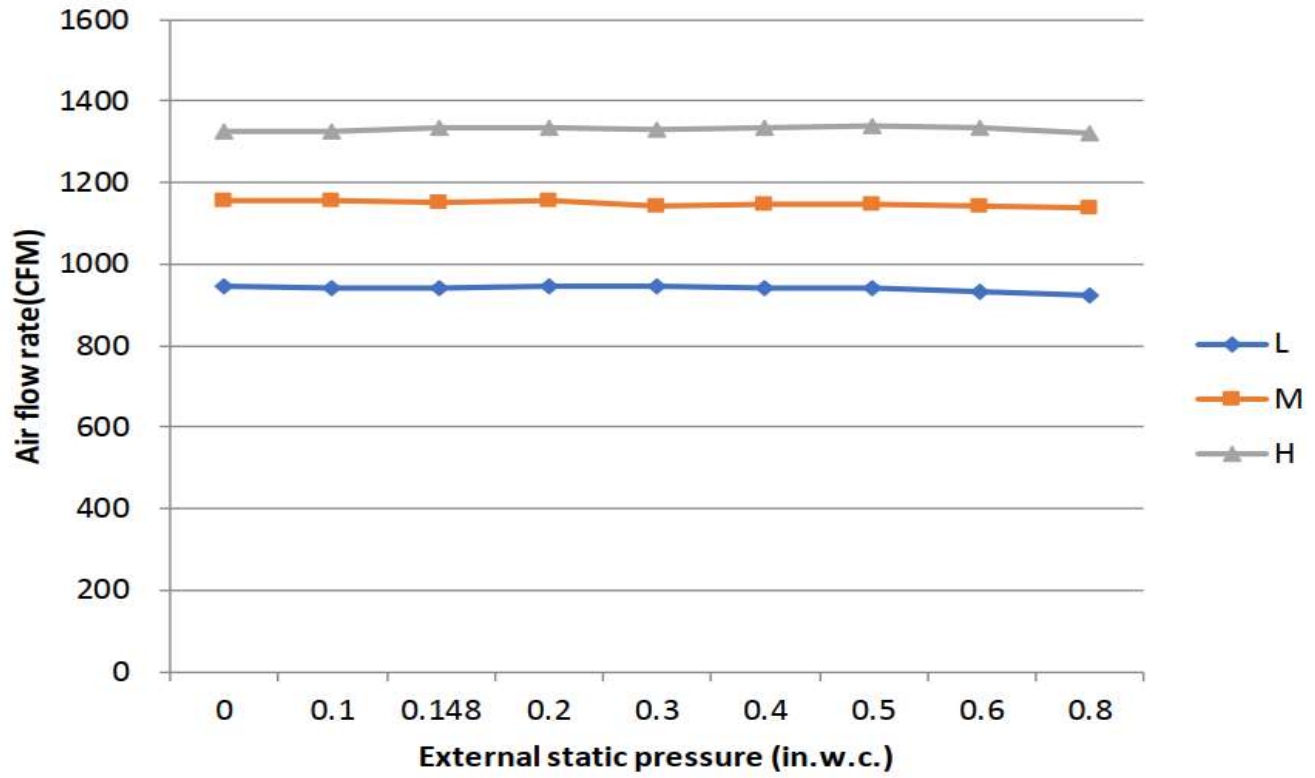
INDOOR UNIT DIMENSION



Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	260	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION



48K

SUBMITTAL DATA

Job Name:	Location:
Engineer:	Drawing #:
Submitted to:	Reference ☐ Approval ☐ Construction ☐

SET MODEL

Indoor unit model:	AH60H/I44P
Outdoor unit model:	AH60H/O44P

Certifications:



Electrical Specification

Power supply

Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253

SYSTEM PERFORMANCE DATA

Cooling*

Capacity Rated (Range)	(Btu/h)	57000(12800~60200)
Power Input Rated (Range)	(W)	6475(700~6450)
Current Rated (Range)	(A)	29(5.0~29)
SEER2	(Btu/W)	14.9
EER2	(Btu/W)	8.8
Cooling at 109 F (43°C)	(Btu/h)	42500

Heating*

Capacity Rated (Range)	(Btu/h)	60000(12000~63100)
Power Input Rated (Range)	(W)	5085(865~6086)
Current Rated (Range)	(A)	20.9(6.4~26.5)
HSPF2-4	(Btu/W)	8.5
HSPF2-5	(Btu/W)	6.7
COP	W/W	3.46
Heat at 17°F(-8.3 °C)	(Btu/h)	37000
Heat at 5°F(-15 °C)	(Btu/h)	34600
COP at 5°F(-15 °C)	W/W	1.9

REFRIGERANT PIPING DATA

Throttle Type	EXV
Design Pressure	(PSIG) 550/340
Refrigerant Type	- R410A
Refrigerant Charge	(oz) 172.8426
Refrigerant Precharge	(ft) 25
	(m) 7.5
Connection method	Flared

Additional Charge For Each ft	(oz/ft)	0.69
Additional Charge For Each m	(g/m)	65
Liquid Side/ Gas Side	(inch)	3/8" / 7/8"
	(mm)	9.52/22
Max. pipe length	(ft)	213.25
	(m)	65
Max. difference in level	(ft)	98.42
	(m)	30

INDOOR UNIT DATA

Indoor Fan Motor

Type	Centrifugal
Qty	1
RLA	(A) 7

Air flow & Noise level

Indoor Air Flow (Hi/Med/Lo) (No duct)	(CFM)	1805.88/1582.35/1358.82/1135.29
Indoor Noise Level (Hi/Med/Lo)	(dB)	52/48/43
External Static Pressure Range (ESP)	(Pa)	0~200
	(W.C)	0~0.8

Electrical

Minimum Circuit Ampacity	(A)	9
Max. Fuse	(A)	15

Dehumidification

Dehumidification	(L/H)	5.2
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Indoor unit

Dimension (WxDxH)	(inch)	21.02x24.49x52.99
	(mm)	534x622x1346
Packing(WxDxH)	(inch)	27.95x26.77x56.50
	(mm)	710x680x1435
Net/Gross weight	(lbs.)	162.70/192.90
	(kg)	73.8/87.5

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30

OUTDOOR UNIT DATA

Compressor

Type	ROTARY
Capacity	(Btu/h) 46744
Input	(W) 3700
Rated Current (RLA)	(A) 24.6
Refrigerant Oil/Oil Charge	(ml) VG74/1400

Outdoor fan motor

Qty	2
Output	(W) 85
RLA	(A) 2
Speed	(r/min) 900/850/650

Electrical

Minimum Circuit Ampacity	(A)	34
Max. Fuse	(A)	60

Air flow & Noise level

Outdoor Air Flow (Max.)	(CFM)	4412
Outdoor Noise Level	(dB)	60

Outdoor unit

Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.15/248.46
	(kg)	98.5/112.7

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24

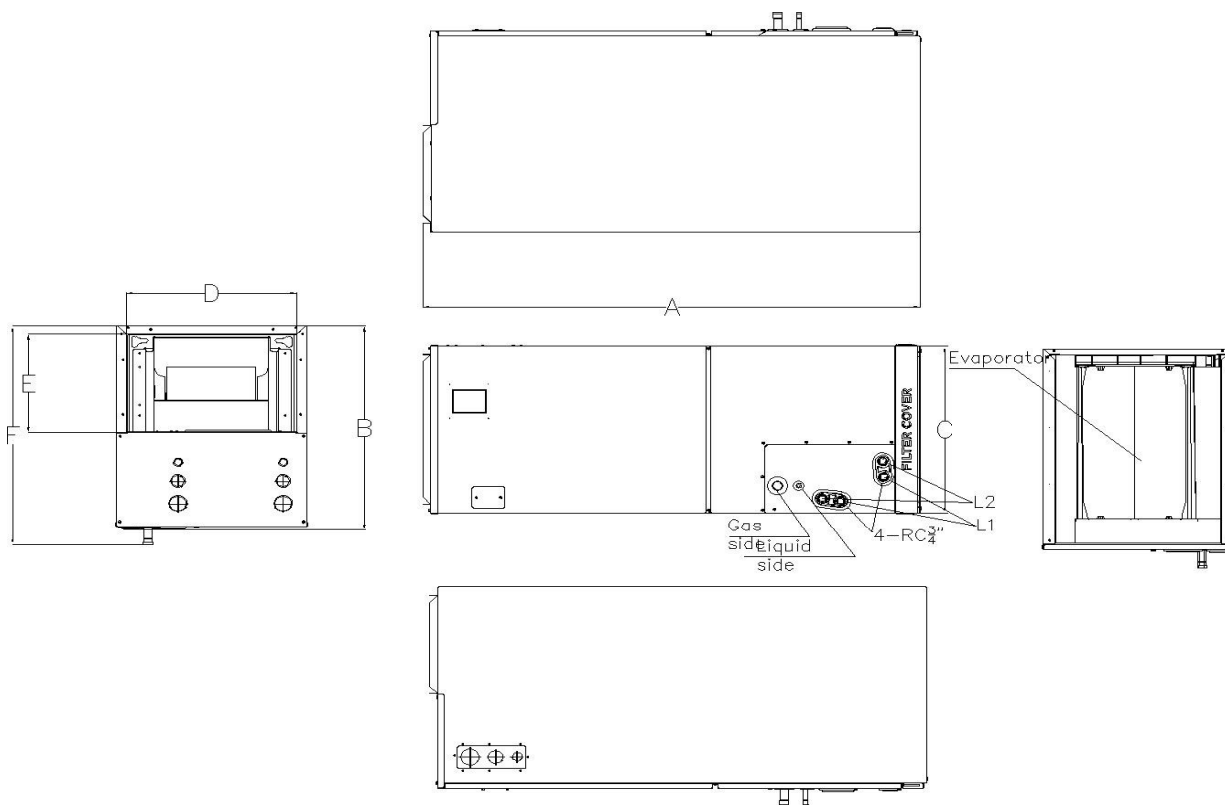
*Rating Conditions per AHRI Standard:

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Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

INDOOR UNIT DIMENSION



Model	Unit	Dimensions (mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
12K~24K	mm	1143	534	445	400	260	585	Main drain hole	Overflow drain hole
	inch	45	21	17 1/2	15 3/4	10 1/4	23		
30K~48K	mm	1245	534	534	490	260	585		
	inch	49	21	21	19 5/16	10 1/4	23		
60K	mm	1346	534	622	580	260	585		
	inch	53	21	24 1/2	22 7/8	10 1/4	23		

OUTDOOR UNIT DIMENSION

