

SUBMITTAL DATA

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

SET MODEL

Indoor unit model:	IUMW106H/I41P
Outdoor unit model:	OUS09H/O4S4P

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)	6000(3400-12000)
Power Input Rated (Range)	(W)	380
Current Rated (Range)	(A)	3.3
SEER	(Btu/W)	26.5
EER	(Btu/W)	15.8

Heating*

Capacity Rated (Range)	(Btu/h)	7000(3300-11500)
Power Input Rated (Range)	(W)	449
Current Rated (Range)	(A)	3.92
COP	W/W	3.92
HSPF 4	(Btu/W)	14
HSPF 5	(Btu/W)	11
Heating at 17°F (-8.3 °C)	(Btu/h)	9000
Heating at 5°F (-15°C)	(Btu/h)	7500
COP at 5°F (-15°C)	W/W	2.2

REFRIGERANT PIPING DATA

Throttle Type	Capillary +EXV	Liquid Side/ Gas Side	(inch)	1/4" / 3/8"
Design Pressure	(PSIG)		(mm)	6.35 / 9.52
Refrigerant Type/Charge	(g)		(ft)	82.02
	(oz)		(m)	25
Additional Charge For Each ft	(oz/ft)		(ft)	32.81
Additional Charge For Each m	(g/m)		(m)	10

INDOOR UNIT DATA

Indoor Fan Motor

Qty		1
Input	(W)	50.0
Speed(Hi/Mi/Lo)	(r/min)	1050/930/870

Air flow & Noise level & Moisture

Indoor Air Flow (Turbo/Hi/Med/Lo)	(CFM)	317.65/217.65/167.65
Indoor Noise Level (Hi/Med/Lo)	(dB)	36/32/23

Operating Temperature Range

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

Indoor unit

Dimension (WxDxH)	(inch)	33.40x9.18x11.76
	(mm)	848.4x233.2x298.6
Packing(WxDxH)	(inch)	36.22x12.20x14.57
	(mm)	920x310x370
Net/Gross weight	(lbs.)	22.71/28.88
	(kg)	10.3/13.1

OUTDOOR UNIT DATA

Compressor

Type		ROTARY
Capacity	(Btu/h)	6944 / 11107
Input	(W)	100.3
Refrigerant Oil/Oil Charge	(ml)	VG74/310

Outdoor fan motor

Qty		1
Output	(W)	34
Speed	(r/min)	800/600

Electrical

Minimum Circuit Ampacity	(A)	13
Max. Fuse	(A)	15

Air flow & Noise level

Outdoor Air Flow (Max.)	(CFM)	1294
Outdoor Noise Level	(dB)	53

Outdoor unit

Dimension (W×D×H)	(inch)	30.12x11.93x21.85
	(mm)	765x303x555
Packing (W×D×H)	(inch)	887x337x610
	(mm)	30.12x11.93x21.85
Net/ Gross weight	(lbs.)	63.71/69.00
	(kg)	28.9/31.3

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	-13-122 / -13-75
	(Deg. °C)	-25~50 / -25~24

ACCESSORIES

Standard Wired Controller (Optional)

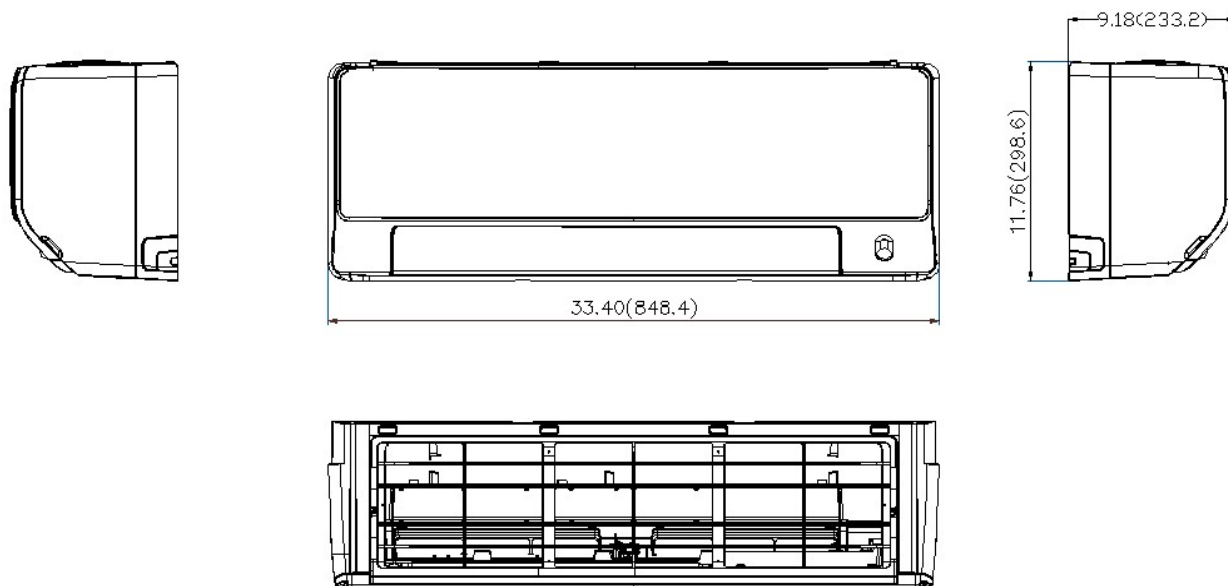
*Rating Conditions per AHRI Standard:

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

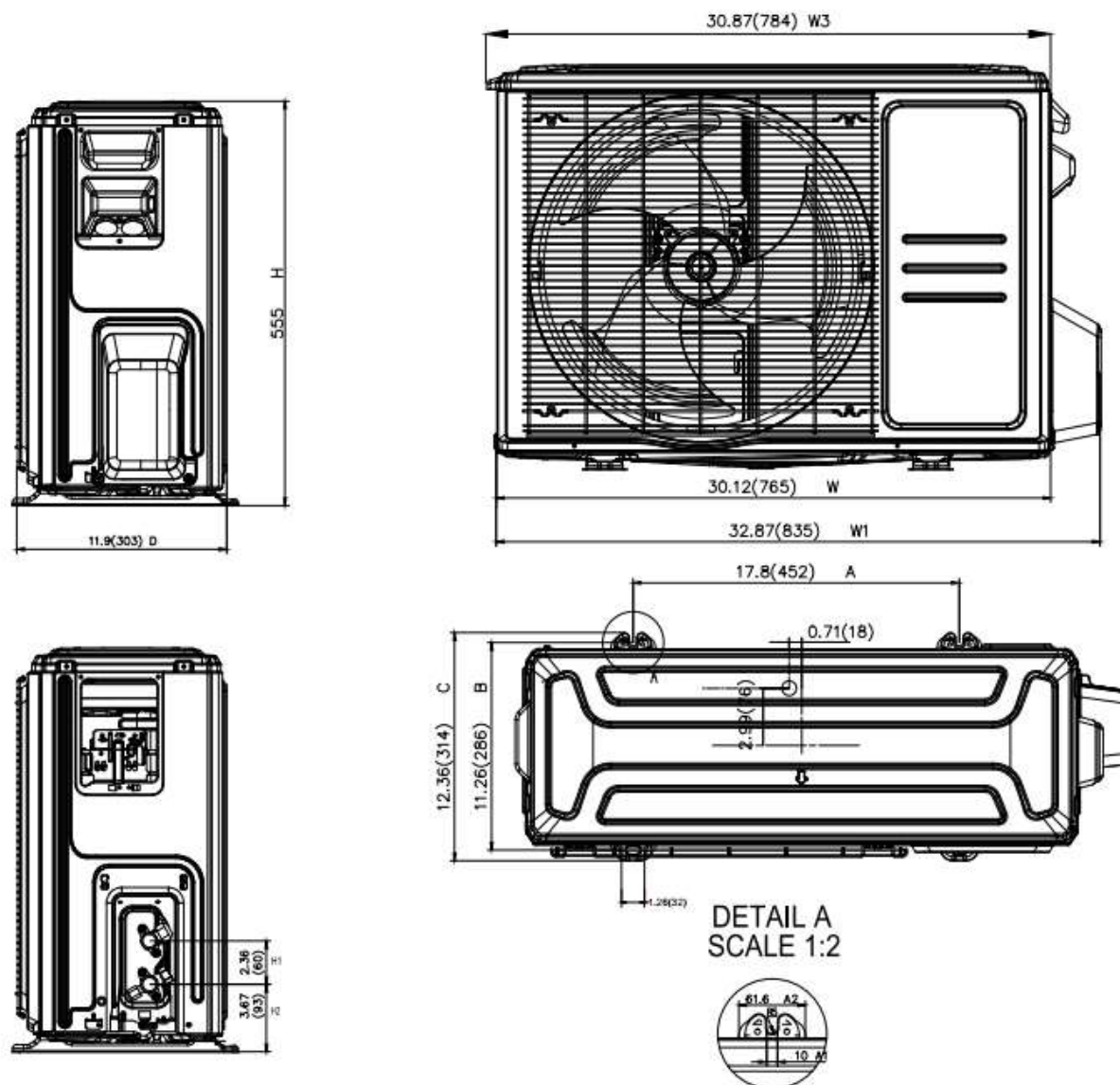
Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

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



OUTDOOR UNIT DIMENSION



SUBMITTAL DATA

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

SET MODEL

Indoor unit model:	IUMW109H/I41P
Outdoor unit model:	OAH09H/O4S4P

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)	9000(3300-14300)	Capacity Rated (Range)	(Btu/h)	11800(5000-15200)
Power Input Rated (Range)	(W)	556	Power Input Rated (Range)	(W)	907
Current Rated (Range)	(A)	2.5	Current Rated (Range)	(A)	4.1
SEER	(Btu/W)	28.1	COP	W/W	3.81
EER	(Btu/W)	16.2	HSPF 4	(Btu/W)	13.0
			HSPF 5	(Btu/W)	11.0
			Heating at 17°F (-8.3 °C)	(Btu/h)	12000
			Heating at 5°F (-15°C)	(Btu/h)	10500
			COP at 5°F (-15°C)	W/W	1.8

REFRIGERANT PIPING DATA

Throttle Type	Capillary +EXV	Liquid Side/ Gas Side	(inch)	1/4" / 3/8"
Design Pressure	(PSIG) 550/340		(mm)	6.35 / 9.52
Refrigerant Type/Charge	(g) R410A/1180	Max. pipe length	(ft)	82.02
	(oz) R410A/41.62		(m)	25
Additional Charge For Each ft	(oz/ft) 0.16	Max. difference in level	(ft)	32.81
Additional Charge For Each m	(g/m) 15		(m)	10

INDOOR UNIT DATA

Indoor Fan Motor			Indoor unit		
Qty		1	Dimension (WxDxH)	(inch)	33.40x9.18x11.76
Input	(W)	50.0		(mm)	848.4x233.2x298.6
Speed(Hi/Mi/Lo)	(r/min)	1100/850/700	Packing(WxDxH)	(inch)	36.22x12.20x14.57
				(mm)	920x310x370
Air flow & Noise level & Moisture			Net/Gross weight	(lbs.)	22.71/28.88
Indoor Air Flow (Turbo/Hi/Med/Lo)	(CFM)	335.29/229.41/176.47		(kg)	10.3/13.1
Indoor Noise Level (Hi/Med/Lo)	(dB)	38/33.5/23.5			
Operating Temperature Range					
Cooling/ Heating	(Deg. °F)	60~90 / 32~86			
	(Deg. °C)	16~32 / 0~30			

OUTDOOR UNIT DATA

Compressor			Air flow & Noise level		
Type	DUAL ROTARY		Outdoor Air Flow (Max.)	(CFM)	1324
Capacity	(Btu/h)	11823	Outdoor Noise Level	(dB)	54.5
Input	(W)	100.3			
Refrigerant Oil/Oil Charge	(ml)	VG74/350			
Outdoor fan motor			Outdoor unit		
Qty		1	Dimension (W×D×H)	(inch)	31.69x12.99x21.81
Output	(W)	34		(mm)	805x330x554
Speed	(r/min)	850/680/450	Packing (W×D×H)	(inch)	915x370x615
				(mm)	31.69x12.99x21.81
Electrical			Net/ Gross weight	(lbs.)	74.07/80.25
Minimum Circuit Ampacity	(A)	15		(kg)	33.6/36.4
Max. Fuse	(A)	15			
			Operating Temperature Range		
			Cooling/ Heating	(Deg. °F)	-22-122 / -32-75
				(Deg. °C)	-30~50 / -30~24

ACCESSORIES

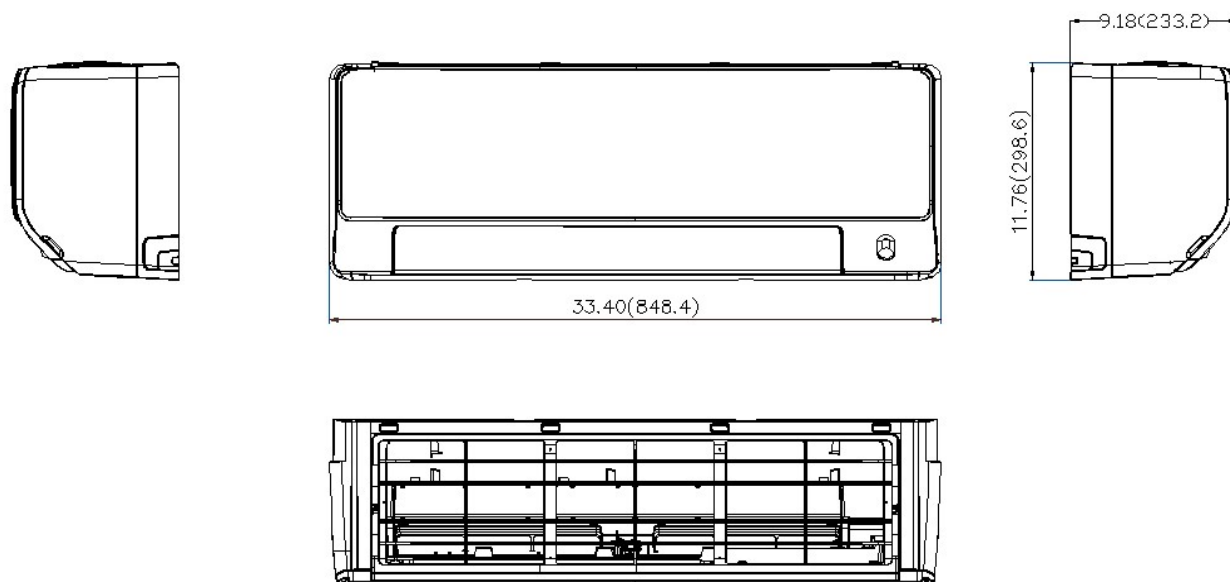
Standard Wired Controller (Optional)

*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

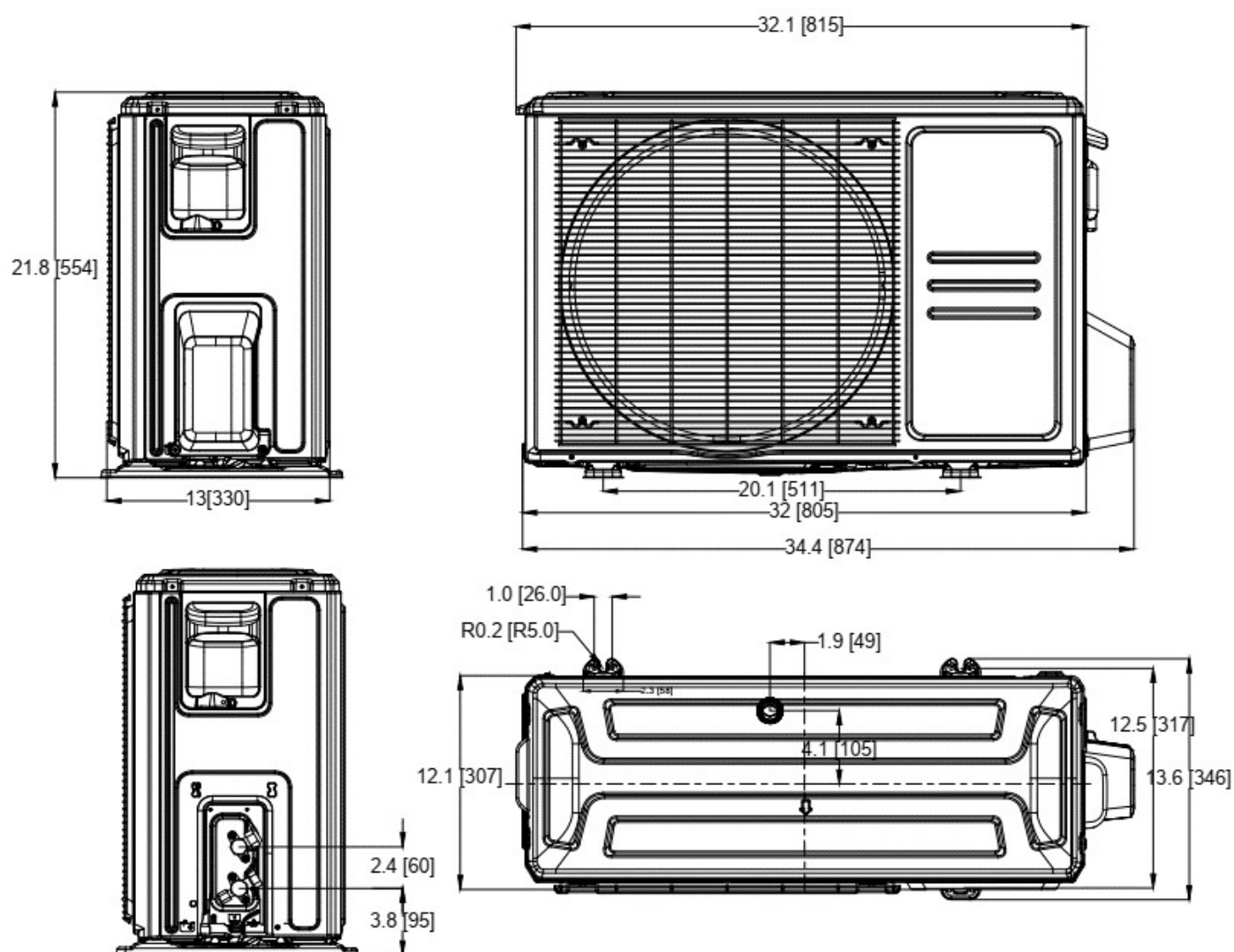
Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

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



OUTDOOR UNIT DIMENSION



SUBMITTAL DATA

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

SET MODEL

Indoor unit model:	IUMW112H/I41P
Outdoor unit model:	OAHT12H/O4S4P

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)	12000(3300~14300)
Power Input Rated (Range)	(W)	857
Current Rated (Range)	(A)	3.72
SEER	(Btu/W)	25.5
EER	(Btu/W)	14

Heating*

Capacity Rated (Range)	(Btu/h)	12000(5000~15300)
Power Input Rated (Range)	(W)	907
Current Rated (Range)	(A)	4.1
COP	W/W	3.88
HSPF 4	(Btu/W)	13
HSPF 5	(Btu/W)	10.5
Heating at 17°F (-8.3 °C)	(Btu/h)	12000
Heating at 5°F (-15°C)	(Btu/h)	12000
COP at 5°F (-15°C)	W/W	1.75

REFRIGERANT PIPING DATA

Throttle Type	Capillary +EXV	Liquid Side/ Gas Side	(inch)	1/4" / 1/2"
Design Pressure	(PSIG)		(mm)	6.35/12.7
Refrigerant Type/Charge	(g)		(ft)	82.02
	(oz)		(m)	25
Additional Charge For Each ft	(oz/ft)		(ft)	32.81
Additional Charge For Each m	(g/m)		(m)	10

INDOOR UNIT DATA

Indoor Fan Motor

Qty		1
Input	(W)	50.0
Speed(Hi/Mi/Lo)	(r/min)	1050/930/870

Air flow & Noise level & Moisture

Indoor Air Flow (Turbo/Hi/Med/Lo)	(CFM)	335.29/229.41/176.47
Indoor Noise Level (Hi/Med/Lo)	(dB)	38/33.5/23.5

Operating Temperature Range

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

Indoor unit

Dimension (WxDxH)	(inch)	33.40x9.18x11.76
	(mm)	848.4x233.2x298.6
Packing(WxDxH)	(inch)	36.22x12.20x14.57
	(mm)	920x310x370
Net/Gross weight	(lbs.)	22.93/28.88
	(kg)	10.4/13.1

OUTDOOR UNIT DATA

Compressor

Type		DUAL ROTARY
Capacity	(Btu/h)	11823
Input	(W)	100.3
Refrigerant Oil/Oil Charge	(mL)	VG74/350

Outdoor fan motor

Qty		1
Output	(W)	34
Speed	(r/min)	850/680/450

Electrical

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

Air flow & Noise level

Outdoor Air Flow (Max.)	(CFM)	1324
Outdoor Noise Level	(dB)	56

Outdoor unit

Dimension (W×D×H)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (W×D×H)	(inch)	915x370x615
	(mm)	31.69x12.99x21.81
Net/ Gross weight	(lbs.)	73.63/79.37
	(kg)	33.4/36

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	-22~122 / -22~75
	(Deg. °C)	-30~50 / -30~24

ACCESSORIES

Standard Wired Controller (Optional)

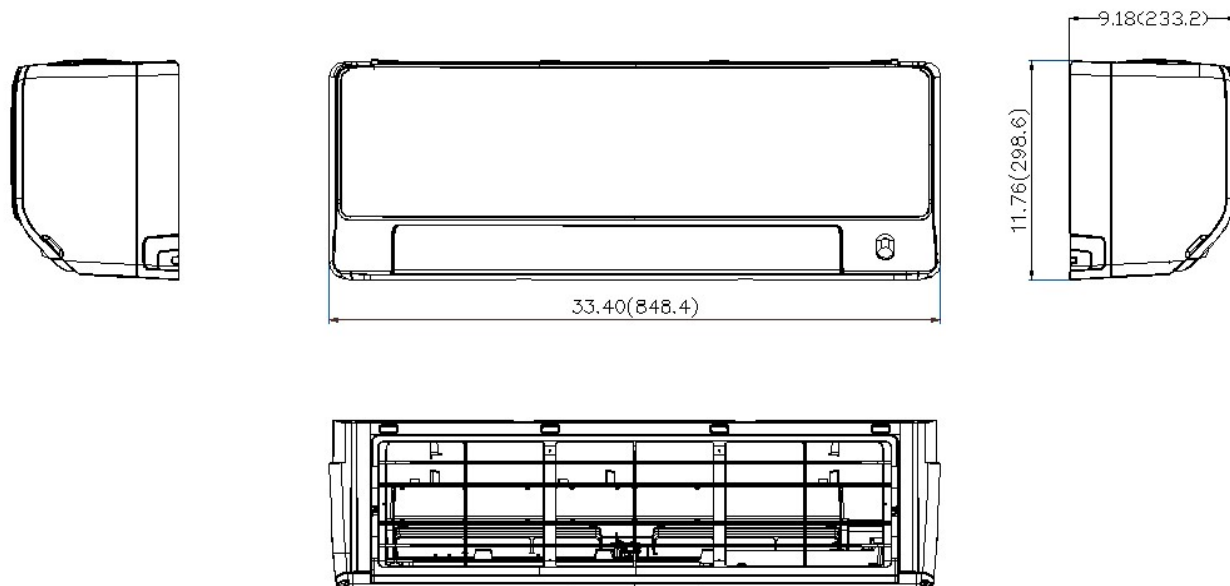
*Rating Conditions per AHRI Standard:

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

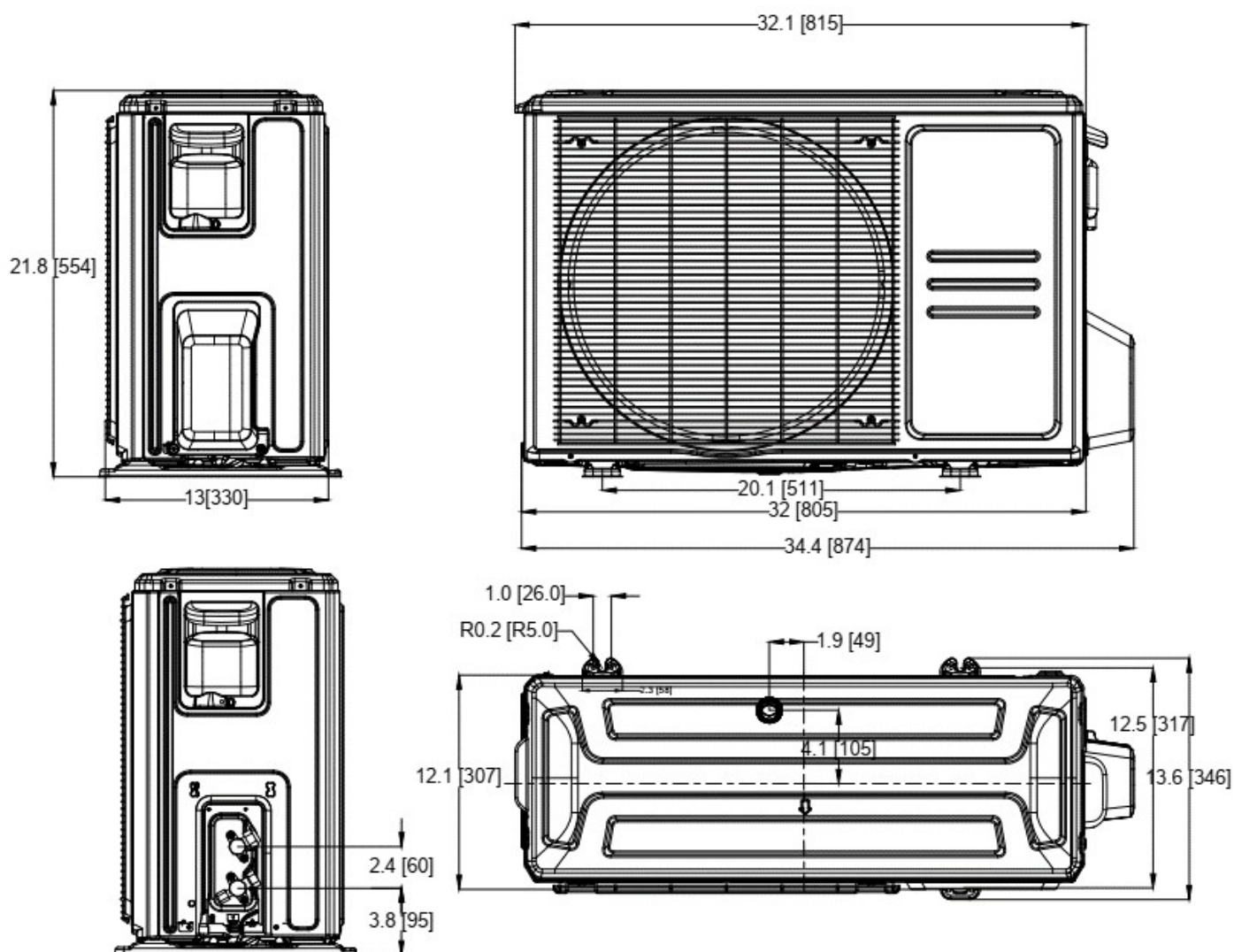
Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

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



OUTDOOR UNIT DIMENSION



SUBMITTAL DATA

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

SET MODEL

Indoor unit model:	IUMW118H/I41P
Outdoor unit model:	OAH18H/O4S4P

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)	18000(8870-19400)	Capacity Rated (Range)	(Btu/h)	18000(15100-19500)
Power Input Rated (Range)	(W)	1440	Power Input Rated (Range)	(W)	1700
Current Rated (Range)	(A)	6.3	Current Rated (Range)	(A)	7.3
SEER	(Btu/W)	21.5	COP	W/W	3.10
EER	(Btu/W)	12.5	HSPF 4	(Btu/W)	13
			HSPF 5	(Btu/W)	11
			Heating at 17°F (-8.3 °C)	(Btu/h)	20270
			Heating at 5°F (-15°C)	(Btu/h)	18000
			COP at 5°F (-15°C)	W/W	1.78

REFRIGERANT PIPING DATA

Throttle Type	Capillary +EXV	Liquid Side/ Gas Side	(inch)	1/4" / 1/2"
Design Pressure	(PSIG) 550/340		(mm)	6.35/12.7
Refrigerant Type/Charge	(g) R410A/1850	Max. pipe length	(ft)	98
	(oz) R410A/65.2		(m)	30
Additional Charge For Each ft	(oz/ft) 0.16	Max. difference in level	(ft)	66
Additional Charge For Each m	(g/m) 15		(m)	20

INDOOR UNIT DATA

Indoor Fan Motor			Indoor unit		
Qty	1		Dimension (WxDxH)	(inch)	40.06x9.72x12.60
Input	(W) 36.0			(mm)	1017.4x246.9x320
Speed(Hi/Mi/Lo)	(r/min) 1240/1024/916		Packing(WxDxH)	(inch)	43.11x12.80x15.75
Air flow & Noise level & Moisture				(mm)	1095x325x400
Indoor Air Flow (Turbo/Hi/Med/Lo)	(CFM) 523.53/376.47/305.88		Net/Gross weight	(lbs.)	27.12/35.71
Indoor Noise Level (Hi/Med/Lo)	(dB) 46/42/24			(kg)	12.3/16.2
Operating Temperature Range					
Cooling/ Heating	(Deg. °F) 63~90 / 32~86				
	(Deg. °C) 17~32 / 0~30				

OUTDOOR UNIT DATA

Compressor			Air flow & Noise level		
Type	DUAL ROTARY		Outdoor Air Flow (Max.)	(CFM)	1765
Capacity	(Btu/h) 25932		Outdoor Noise Level	(dB)	59
Input	(W) 88		Outdoor unit		
Refrigerant Oil/Oil Charge	(ml) VG74/620		Dimension (W×D×H)	(inch)	35.04x13.46x26.50
Outdoor fan motor				(mm)	890x342x673
Qty	1		Packing (W×D×H)	(inch)	995x398x740
Output	(W) 80			(mm)	35.04x13.46x26.50
Speed	(r/min) 810/720		Net/ Gross weight	(lbs.)	100.97/108.03
Electrical				(kg)	45.8/49
Minimum Circuit Ampacity	(A) 16		Operating Temperature Range		
Max. Fuse	(A) 25		Cooling/ Heating	(Deg. °F)	-22-122 / -22-75
				(Deg. °C)	-30~50 / -30~24

ACCESSORIES

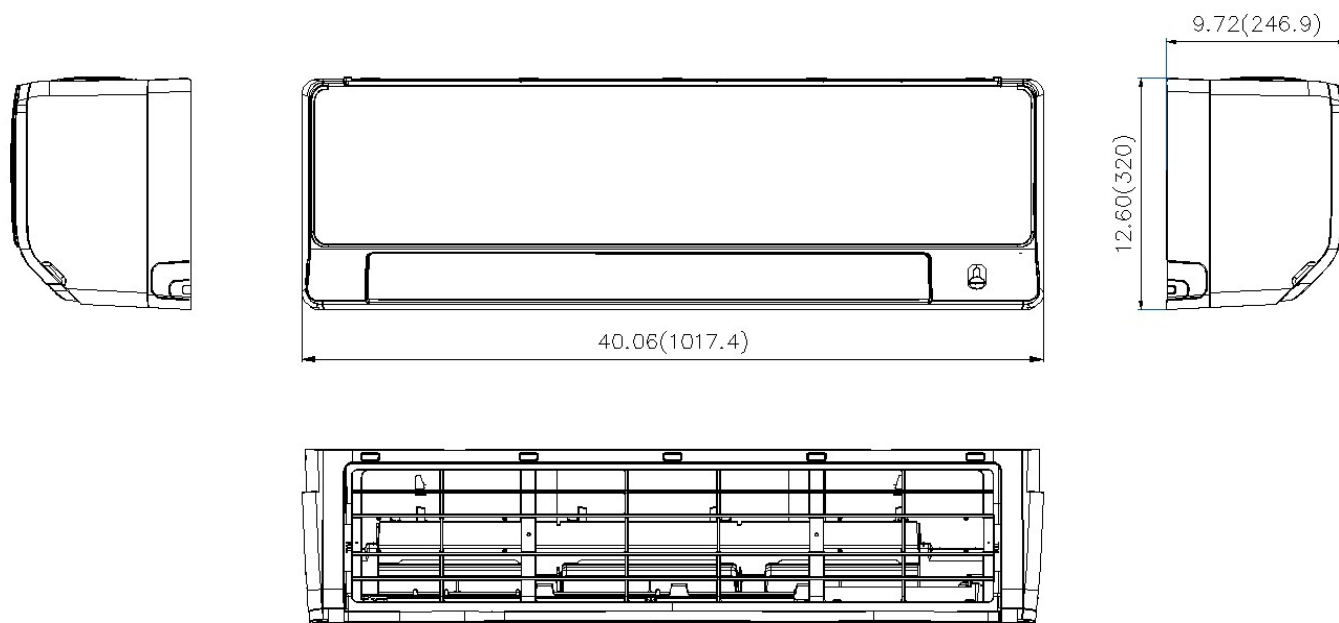
Standard Wired Controller (Optional)

*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

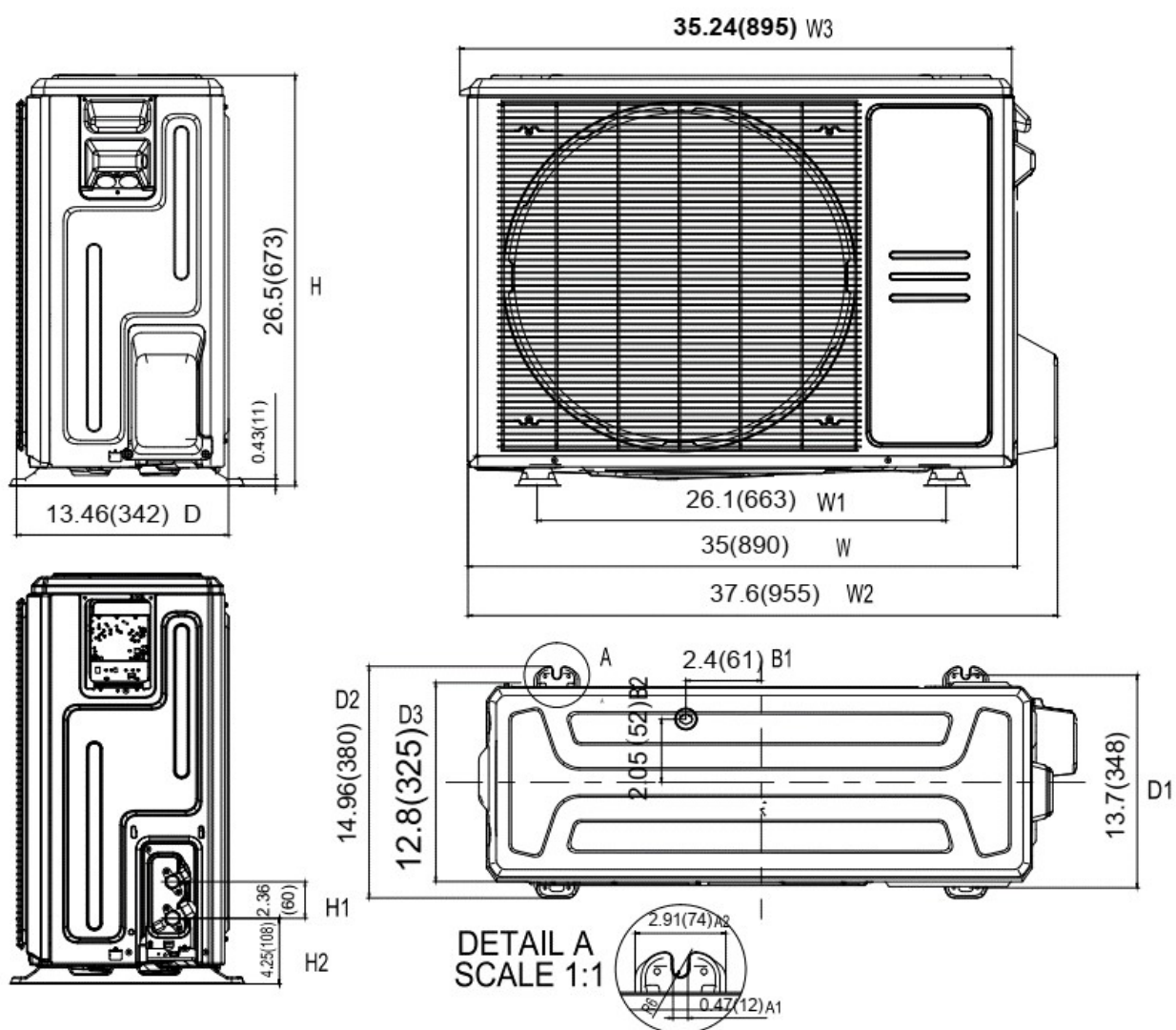
Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

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



OUTDOOR UNIT DIMENSION



SUBMITTAL DATA

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

SET MODEL

Indoor unit model:	IUMW124H/I41P
Outdoor unit model:	OAH24H/O4S4P

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(6850-27000)
Power Input Rated (Range)	(W)	1845
Current Rated (Range)	(A)	8.1
SEER	(Btu/W)	21.5
EER	(Btu/W)	13

Heating*

Capacity Rated (Range)	(Btu/h)	29000(11900-31000)
Power Input Rated (Range)	(W)	2500
Current Rated (Range)	(A)	10.9
COP	W/W	3.40
HSPF 4	(Btu/W)	12
HSPF 5	(Btu/W)	10
Heating at 17°F (-8.3 °C)	(Btu/h)	19800
Heating at 5°F (-15°C)	(Btu/h)	25400
COP at 5°F (-15°C)	W/W	1.75

REFRIGERANT PIPING DATA

Throttle Type	Capillary +EXV	Liquid Side/ Gas Side	(inch)	3/8" / 5/8"
Design Pressure	(PSIG)		(mm)	9.52/15.9
Refrigerant Type/Charge	(g)		(ft)	164
	(oz)		(m)	50
Additional Charge For Each ft	(oz/ft)		(ft)	82
Additional Charge For Each m	(g/m)		(m)	25

INDOOR UNIT DATA

Indoor Fan Motor

Qty		1
Input	(W)	58.0
Speed(Hi/Mi/Lo)	(r/min)	1000/850/700

Air flow & Noise level & Moisture

Indoor Air Flow (Turbo/Hi/Med/Lo)	(CFM)	611.18/414.12/318.82
Indoor Noise Level (Hi/Med/Lo)	(dB)	46/39/34

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	63~90 / 32~86
	(Deg. °C)	17~32 / 0~30

Indoor unit

Dimension (WxDxH)	(inch)	46.85x11.20x14.59
	(mm)	1190x284.6x370.6
Packing(WxDxH)	(inch)	50.39x14.17x17.91
	(mm)	1280x360x455
Net/Gross weight	(lbs.)	43.65/54.89
	(kg)	19.8/24.9

OUTDOOR UNIT DATA

Compressor

Type	DUAL ROTARY	
Capacity	(Btu/h)	25932
Input	(W)	150.0
Refrigerant Oil/Oil Charge	(ml)	VG74/620

Outdoor fan motor

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

Electrical

Minimum Circuit Ampacity	(A)	25
Max. Fuse	(A)	35

Air flow & Noise level

Outdoor Air Flow (Max.)	(CFM)	2235
Outdoor Noise Level	(dB)	62

Outdoor unit

Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	1090x500x885
	(mm)	37.24x16.14x31.89
Net/ Gross weight	(lbs.)	134.48/144.40
	(kg)	61/65.5

Operating Temperature Range

Cooling/ Heating	(Deg. °F)	-22-122 / -22-75
	(Deg. °C)	-30~50 / -30~24

ACCESSORIES

Standard Wired Controller (Optional)

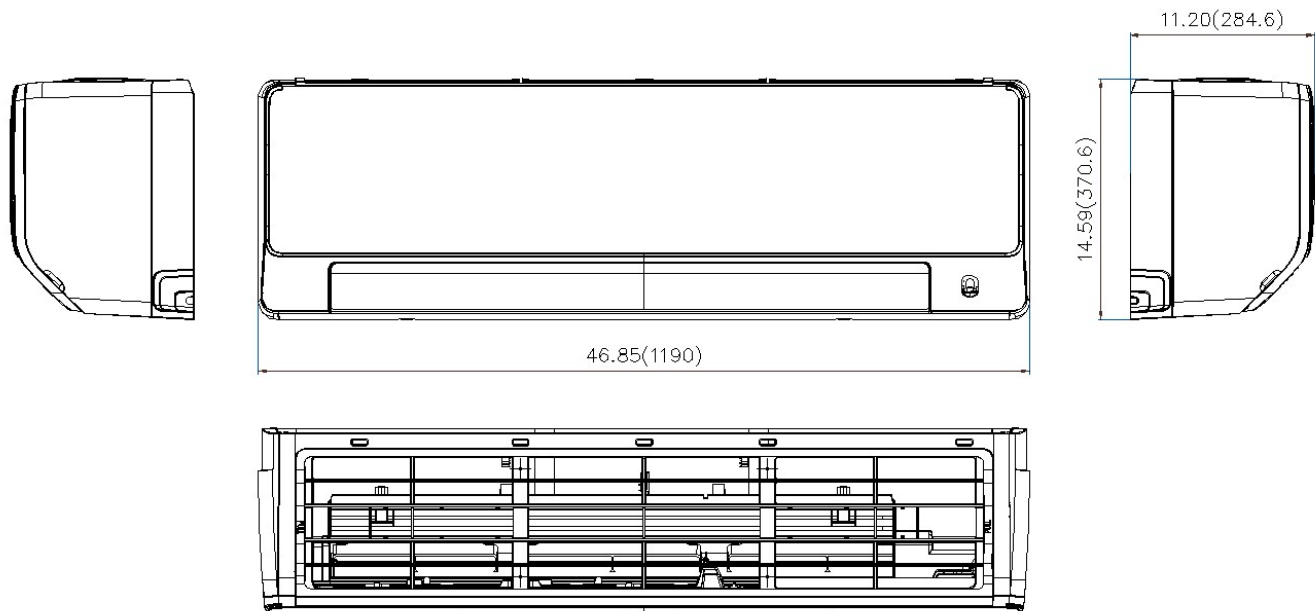
*Rating Conditions per AHRI Standard:

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



OUTDOOR UNIT DIMENSION

