

SUBMITTAL

Multi-zone Infinity Series



Submittal Data Sheet

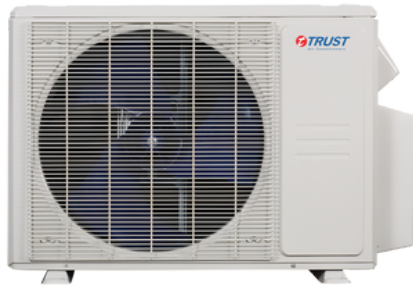
Series Name: Multi-zone Infinity Series

Model Number: M3S18HN/O6S4P



Multi Zone Heat Pump System

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



EFFICIENCY

Cooling		Heating	
SEER2	23.0	HSPF2-4	10.0)
EER2	12.5	COP	3.8)

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	5400~21600
Moisture Removal(L/h)	1.3
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling 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	19000
1. @ 47°F Min/Max Capacity	5700~21600
2. @ 17°F Rated(H32)	13500
3. @ 5°F Rated: Capacity / COP(H42)	13500/2.2
3. @ 5°F Max: Capacity	13500
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

OUTDOOR SPECIFICATION

Compressor Type	Twin-ROTARY
Compressor Model	KTN150D30UFZA
Refrigerant	R454B
Refrigerant Oil Charge(mL)	450
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	1766
Outdoor Noise Level (dBA)	60
Dimension (W×D×H)	inch 35.04 x 13.46 x 26.50
	mm 890×342×673
Package (W×D×H)	inch 40.55 x 17.24 x 29.53
	mm 1030×438×750
	lbs 100.53/109.35
Net/Gross Weight	kg 45.6/49.6

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	16
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	8.2
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1440/(400 ~ 1900)
System Power Input @ Heating (W)	1465/(350 ~ 1900)
MCA :Min. circuit amps (A)	MOCMax. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

Liquid Size	3x6.35mm(3x1/4in)
Gas Size	3x9.52mm(3x3/8in)
Max. Piping Length for all rooms(ft/m)	196.8/(60)
Max. Piping Length for one IDU(ft/m)	98.4/(30)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	61.73/(1.75)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x3
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: Multi-zone Infinity Series
Model Number: M4S27HS/O6S4P



Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		2131
Outdoor Noise Level (dBA)		61
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946×410×810
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090×500×885
	lbs	138.89/149.69
	kg	63.0/67.9
Net/Gross Weight		

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	23
Connection Wiring	AWG 14-4
System MOCP	25
Compressor RLA	12.1
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2130/(500 ~ 2730)
System Power Input @ Heating (W)	2198/(500 ~2560)
MCA :Min. circuit amps (A)	MOCPMax. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	23.0	HSPF2-4	9.5)
EER2	12.2	COP	3.6)

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	26000
Min/Max Capacity	7200~32000
Moisture Removal(L/h)	2
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling 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	27000
1. @ 47°F Min/Max Capacity	8400~29200
2. @ 17°F Rated(H32)	18000
3. @ 5°F Rated: Capacity / COP(H42)	19000/2
3. @ 5°F Max: Capacity	19000
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

PIPING

Liquid Size	4x6.35mm(4x1/4in)
Gas Size	3x9.52mm+1x12.7mm(3x3/8in+1x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	84.66/(2.4)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x4
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: Multi-zone Infinity Series

Model Number: M5S36HS/O6S4P



Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTF310D43UMT
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1000
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	2148
Outdoor Noise Level (dBA)	63
Dimension (W×D×H)	inch 37.24 x 16.14 x 31.89
	mm 946×410×810
Package (W×D×H)	inch 42.91 x 19.68 x 34.84
	mm 1090×500×885
	lbs 168.87/180.12
Net/Gross Weight	kg 76.6/81.7

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	30.5
Connection Wiring	AWG 14-4
System MOCP	35
Compressor RLA	17
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2915/(600 ~ 4100)
System Power Input @ Heating (W)	3098/(600 ~ 3950)
MCA :Min. circuit amps (A)	MOCP:Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	23.1	HSPF2-4	10.0)
EER2	12	COP	3.5)

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	35000
Min/Max Capacity	9000~40000
Moisture Removal(L/h)	0.5
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling 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	37000
1. @ 47°F Min/Max Capacity	10000~40000
2. @ 17°F Rated(H32)	27000
3. @ 5°F Rated: Capacity / COP(H42)	26000/2
3. @ 5°F Max: Capacity	26000
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

PIPING

Liquid Size	5x6.35mm(5x1/4in)
Gas Size	4x9.52mm+1x12.7mm(4x3/8in+1x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	120.63/(3.42)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x5
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: Multi-zone Infinity Series
Model Number: M6S48HS/O6S4P



Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTQ420D1UMU
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1400
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	4503
Outdoor Noise Level (dBA)	65
Dimension (W×D×H)	inch 37.48 x 16.34 x 52.48
	mm 952×415×1333
Package (W×D×H)	inch 43.11 x 19.49 x 58.27
	mm 1095×495×1480
	lbs 222.00/254.19
Net/Gross Weight	kg 100.7/115.3

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	34
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3850/(800 ~ 5900)
System Power Input @ Heating (W)	3908/(800 ~5200)
MCA :Min. circuit amps (A)	MOC:Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	21.3	HSPF2-4	10.0)
EER2	11.7	COP	3.6)

PERFORMANCE of Cooling

Cooling (Btu/hr)

Rated Capacity	45000
Min/Max Capacity	12000~49000
Moisture Removal(L/h)	3.5
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling 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	48000
1. @ 47°F Min/Max Capacity	13000~55000
2. @ 17°F Rated(H32)	34000
3. @ 5°F Rated: Capacity / COP(H42)	36000/2.1
3. @ 5°F Max: Capacity	36000
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

PIPING

Liquid Size	6x6.35mm(6x1/4in)
Gas Size	4x9.52mm+2x12.7mm(4x3/8in+2x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	148.15/(4.2)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x6
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: **Multi-zone Infinity Series**
Model Number: M6S60HS/O6S4P



Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTQ420D1UMU
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1400
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		4503
Outdoor Noise Level (dBA)		65
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952×415×1333
Package (W×D×H)	inch	43.11 x 19.49 x 58.27
	mm	1095×495×1480
lbs		237.88/270.28
Net/Gross Weight		107.9/122.6

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	36
Connection Wiring	AWG 14-4
System MOC	40
Compressor RLA	25
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	6000/(1200 ~ 6000)
System Power Input @ Heating (W)	5024/(1200 ~5200)
MCA :Min. circuit amps (A)	MOC :Max. over current protection (A)
RLA : Rated load amps (A)	W : Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	19.2	HSPF2-4	9.6)
EER2	10	COP	3.5)

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	60000
Min/Max Capacity	19000~62000
Moisture Removal(L/h)	5.6
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling 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	60000
1. @ 47°F Min/Max Capacity	20000~60000
2. @ 17°F Rated(H32)	39000
3. @ 5°F Rated: Capacity / COP(H42)	36000/2
3. @ 5°F Max: Capacity	36000
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

PIPING

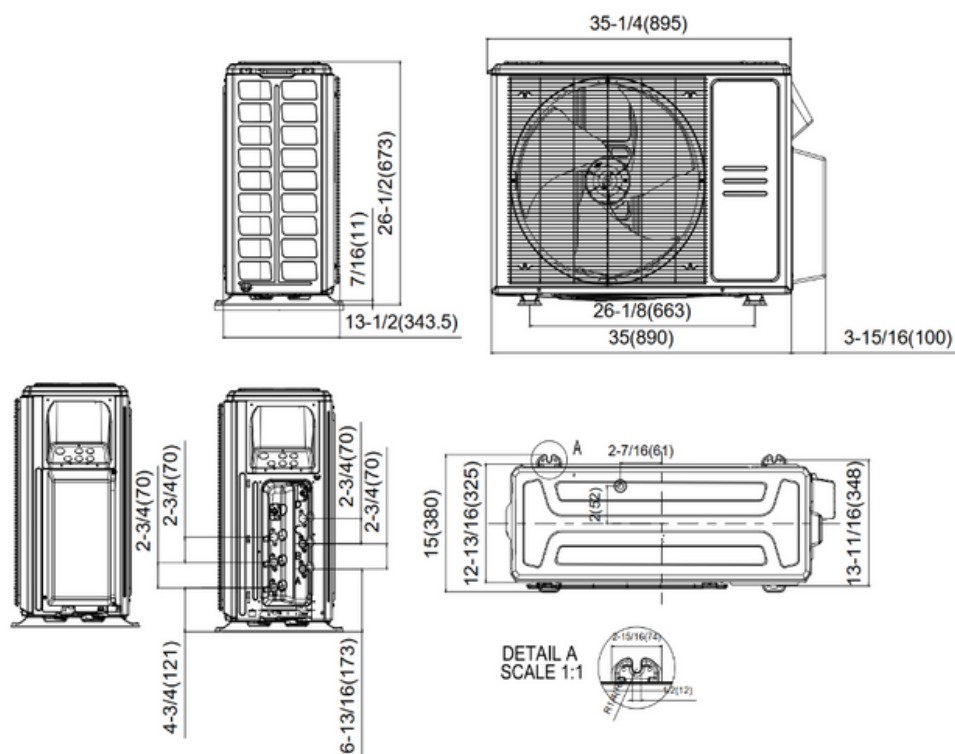
Liquid Size	6x6.35mm(6x1/4in)
Gas Size	4x9.52mm+2x12.7mm(4x3/8in+2x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	151.68/(4.3)
Refrigerant Precharge Length(ft/m)	24.6/(7.5)x6
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32/(30)
Connection Method	Flared

SUBMITTAL

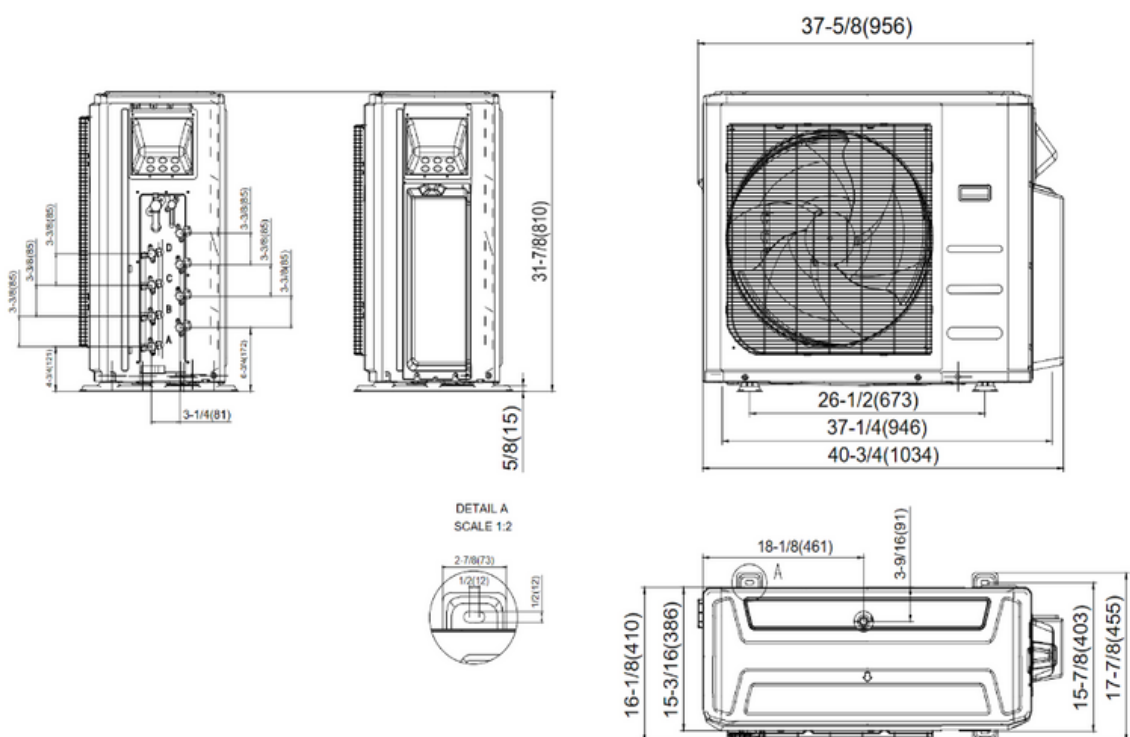
Dimensions & Installation Manual



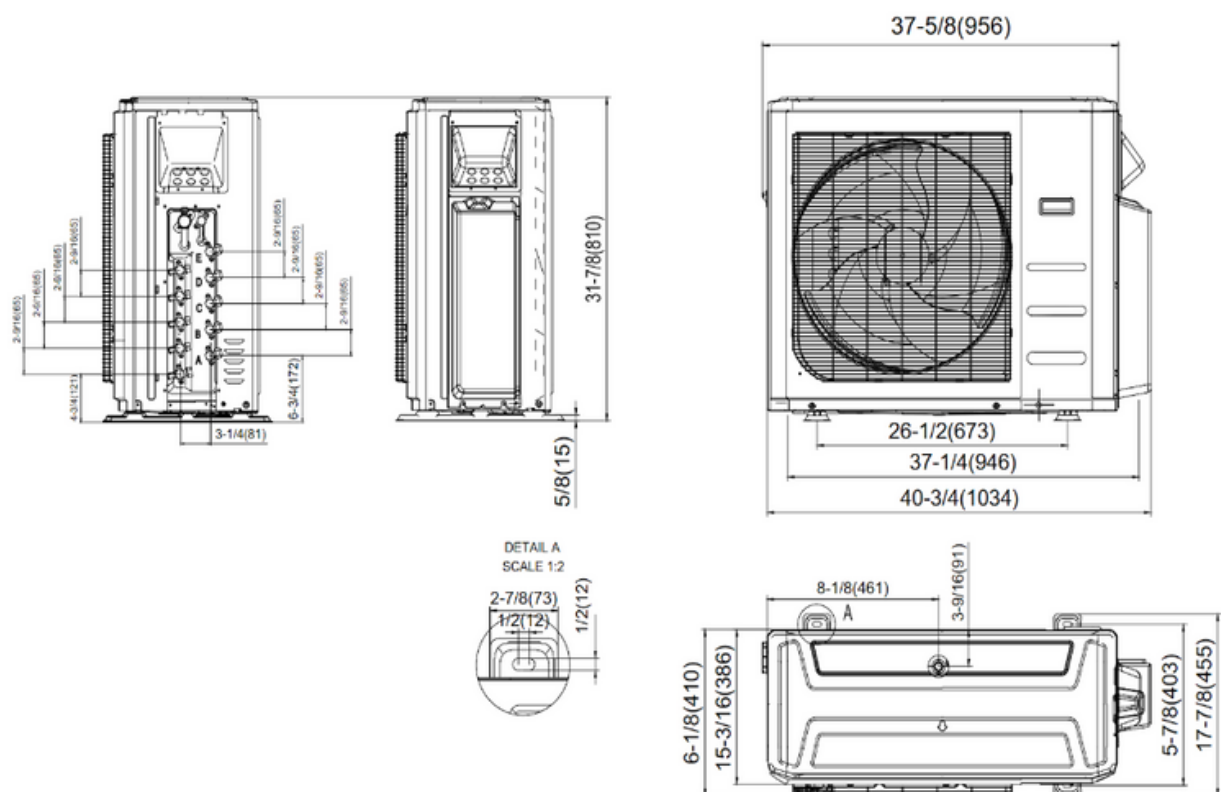
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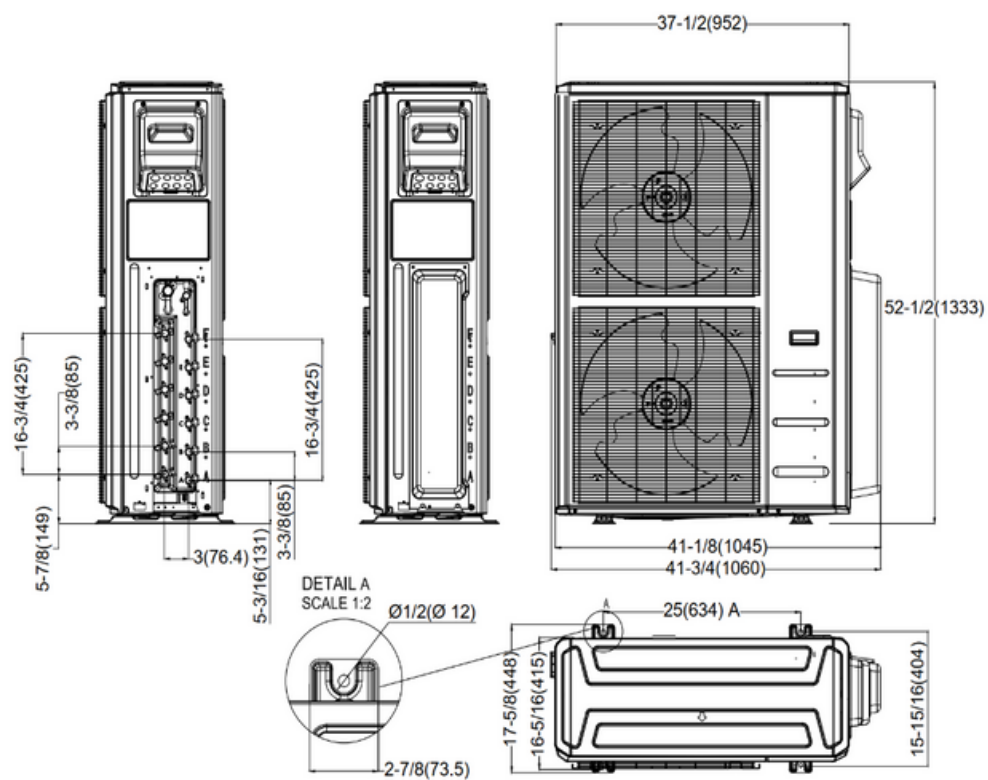
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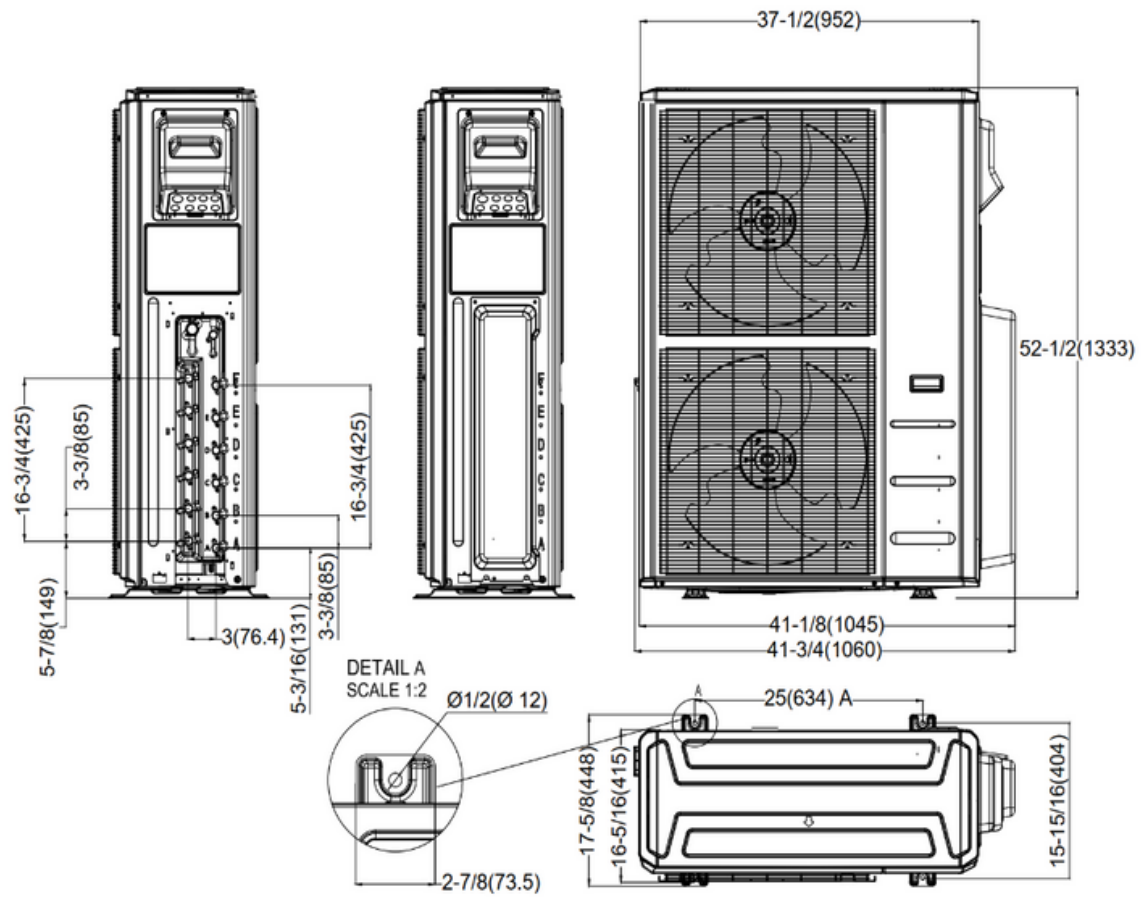
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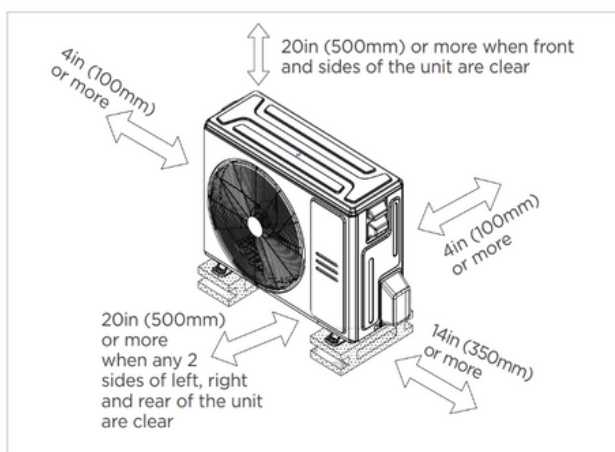
48k



60k



Installation Instructions



☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

