

SUBMITTAL

Single-zone Infinity Series



Submittal Data Sheet

Series Name: **Single-zone Infinity Series**

Model Number: OUS09H/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	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge(mL)	310
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1235.3
Outdoor Noise Level (dBA)	52.5
Dimension (W×D×H)	inch 30.12 x 11.93 x 21.85
	mm 765.0×303.0×555.0
Package (W×D×H)	inch 34.92 x 13.27 x 24.02
	mm 887×337×610
	lbs 62.17/67.68
Net/Gross Weight	kg 28.2/30.7

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	12.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	612(210 ~ 820)
System Power Input @ Heating (W)	800(230 ~1240)
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	24.6	HSPF2-4	13.0
EER2	14.7	COP	3.66

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	3100~10900
Moisture Removal(L/h)	0.7
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	10000
1. @ 47°F Min/Max Capacity	4200~14200
2. @ 17°F Rated(H32)	8600
3. @ 5°F Rated: Capacity / COP(H42)	8200/2.33
3. @ 5°F Max: Capacity	8200
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

Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Submittal Data Sheet

Series Name: **Single-zone Infinity Series**

Model Number: **OUS12H/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	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge(mL)	310
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1235.3
Outdoor Noise Level (dBA)	54.0
Dimension (W×D×H)	inch 30.12 x 11.93 x 21.85
	mm 765.0×303.0×555.0
Package (W×D×H)	inch 34.92 x 13.27 x 24.02
	mm 887×337×610
	lbs 62.17/67.68
Net/Gross Weight	kg 28.2/30.7

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	12.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	984(175 ~ 1210)
System Power Input @ Heating (W)	953(225 ~1290)
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 11.5
EER2 12.2	COP 3.69

PERFORMANCE of Cooling

Cooling (Btu/hr)
Rated Capacity 12000
Min/Max Capacity 2600~13700
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 12000
1. @ 47°F Min/Max Capacity 4100~14400
2. @ 17°F Rated(H32) 9600
3. @ 5°F Rated: Capacity / COP(H42) 8600/2.35
3. @ 5°F Max: Capacity 8600
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

Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Submittal Data Sheet

Series Name: Single-zone Infinity Series

Model Number: OUS18H/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		KSN140D58UFZ
Refrigerant		R454B
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1764.7
Outdoor Noise Level (dBA)		59.0
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890.0×342.0×673.0
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
	mm	995×398×740
	lbs	92.59/100.31
	kg	42.0/45.5

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	18.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1333(355 ~ 1700)
System Power Input @ Heating (W)	1385(410 ~ 1750)
MCA :Min. circuit amps (A)	MOCR Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	24.0	HSPF2-4	11.1
EER2	13.5	COP	3.81

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	3600~20000
Moisture Removal(L/h)	1.4
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	18000
1. @ 47°F Min/Max Capacity	7600~22000
2. @ 17°F Rated(H32)	13000
3. @ 5°F Rated: Capacity / COP(H42)	13000/2.35
3. @ 5°F Max: Capacity	13000
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

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	47.97(1.36)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Submittal Data Sheet

Series Name: Single-zone Infinity Series

Model Number: OUS24H/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	VG74
Outdoor Air Flow (Max) (CFM)	2235.3
Outdoor Noise Level (dBA)	60.0
Dimension (W×D×H)	inch 37.24 x 16.14 x 31.89
Package (W×D×H)	mm 946.0×410.0×810.0
	inch 42.91 x 19.68 x 34.84
	mm 1090×500×885
	lbs 122.13/132.28
Net/Gross Weight	kg 55.4/60.0

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	24.0
Connection Wiring	14#x4
System MOCP	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1846(860 ~ 2550)
System Power Input @ Heating (W)	2379(645 ~ 3320)
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	23.5	HSPF2-4	10.0
EER2	13.0	COP	3.08

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	9700~27000
Moisture Removal(L/h)	2.7
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	25000
1. @ 47°F Min/Max Capacity	11300~32700
2. @ 17°F Rated(H32)	19500
3. @ 5°F Rated: Capacity / COP(H42)	17800/2.15
3. @ 5°F Max: Capacity	17800
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

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	70.55(2)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: **Single-zone Infinity Series**

Model Number: **OUS36H/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	2765
Outdoor Air Flow (Max) (CFM)	2413.3
Outdoor Noise Level (dBA)	63.0
Dimension (W×D×H)	inch 37.24 x 16.14 x 31.89
	mm 946.0×410.0×810.0
Package (W×D×H)	inch 42.91 x 19.68 x 34.84
	mm 1090×500×885
	lbs 152.34/162.48
Net/Gross Weight	kg 69.1/73.7

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	33.00
Connection Wiring	14#x2
System MOCP	35
Compressor RLA	21.5
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3720(560 ~ 4360)
System Power Input @ Heating (W)	3365(840 ~3580)
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	20.0	HSPF2-4	10.3)
EER2	9.6	COP	3.31

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	6400~39800
Moisture Removal(L/h)	4.23
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	38000
1. @ 47°F Min/Max Capacity	14400~42200
2. @ 17°F Rated(H32)	26800
3. @ 5°F Rated: Capacity / COP(H42)	26600/2.20
3. @ 5°F Max: Capacity	26600
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

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246.00(75)
Max. Height Difference(ft/m)	98.40(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	91.71(2.60)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: **Single-zone Infinity Series**

Model Number: **OUS48H/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	3700
Outdoor Air Flow (Max) (CFM)	4237.9
Outdoor Noise Level (dBA)	62.5
Dimension (W×D×H)	inch 37.48 x 16.34 x 52.48
	mm 952.0×415.0×1333.0
Package (W×D×H)	inch 43.11 x 19.49 x 57.48
	mm 1095×495×1460
	lbs 208.78/239.86
Net/Gross Weight	kg 94.7/108.8

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	39.00
Connection Wiring	14#x2
System MOCP	40
Compressor RLA	24.0
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	125
System Power Input @ Cooling (W)	5053(800 ~ 5320)
System Power Input @ Heating (W)	4950(1140 ~5940)
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	19.0	HSPF2-4	9.9
EER2	9.5	COP	2.96

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	48000
Min/Max Capacity	10600~50400
Moisture Removal(L/h)	6.27
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	50000
1. @ 47°F Min/Max Capacity	19900~61700
2. @ 17°F Rated(H32)	36600
3. @ 5°F Rated: Capacity / COP(H42)	40500/2.11
3. @ 5°F Max: Capacity	40500
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

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246.00(75)
Max. Height Difference(ft/m)	98.40(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	126.99(3.60)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Submittal Data Sheet

Series Name: **Single-zone Infinity Series**

Model Number: **OUS60H/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	VG74
Outdoor Air Flow (Max) (CFM)	4237.9
Outdoor Noise Level (dBA)	63.5
Dimension (W×D×H)	inch 37.48 x 16.34 x 52.48
	mm 952.0×415.0×1333.0
Package (W×D×H)	inch 43.11 x 19.49 x 58.27
	mm 1095×495×1480
	lbs 209.44/240.08
Net/Gross Weight	kg 95/108.9

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	42.00
Connection Wiring	14#x3
System MOCP	45
Compressor RLA	25.0
Outdoor Fan Motor RLA	2.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	2.0
Indoor Fan Motor W	160
System Power Input @ Cooling (W)	5625(1400 ~ 6050)
System Power Input @ Heating (W)	5765(1150 ~5765)
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	19.5	HSPF2-4	9.5
EER2	9.5	COP	3.05

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	54000
Min/Max Capacity	15000~54500
Moisture Removal(L/h)	7.48
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	20200~60000
2. @ 17°F Rated(H32)	37200
3. @ 5°F Rated: Capacity / COP(H42)	35000/2.01
3. @ 5°F Max: Capacity	35000
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

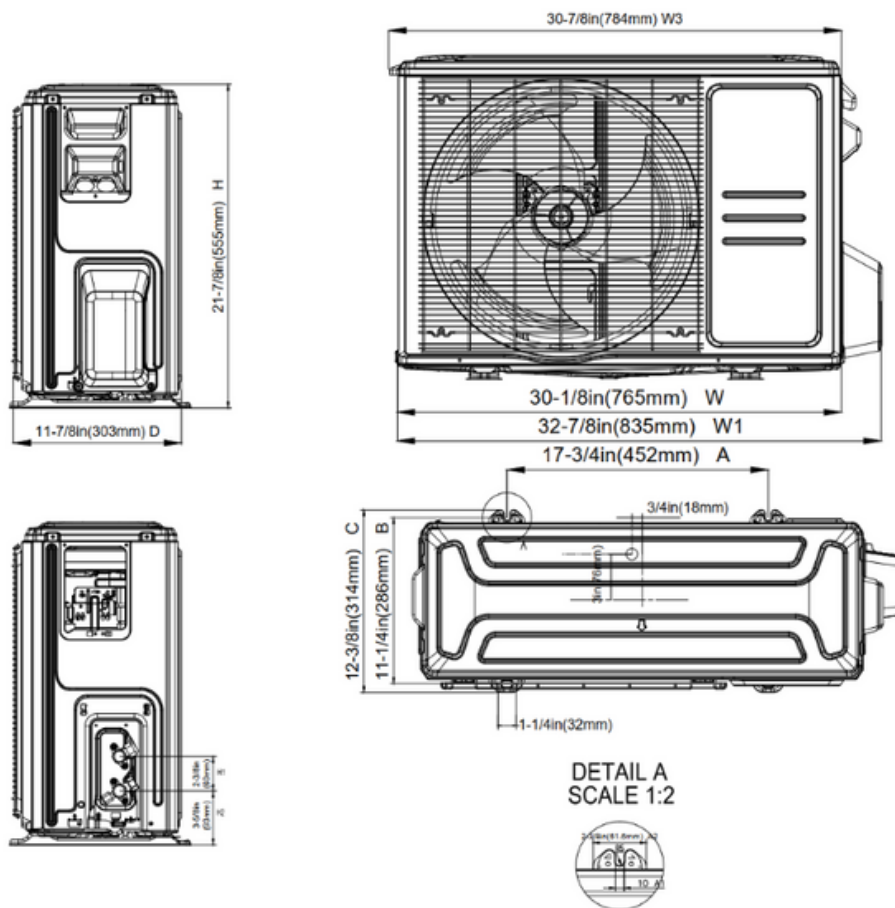
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246.00(75)
Max. Height Difference(ft/m)	98.40(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	144.62(4.10)
Additional Charge of Refrigerant(oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

SUBMITTAL

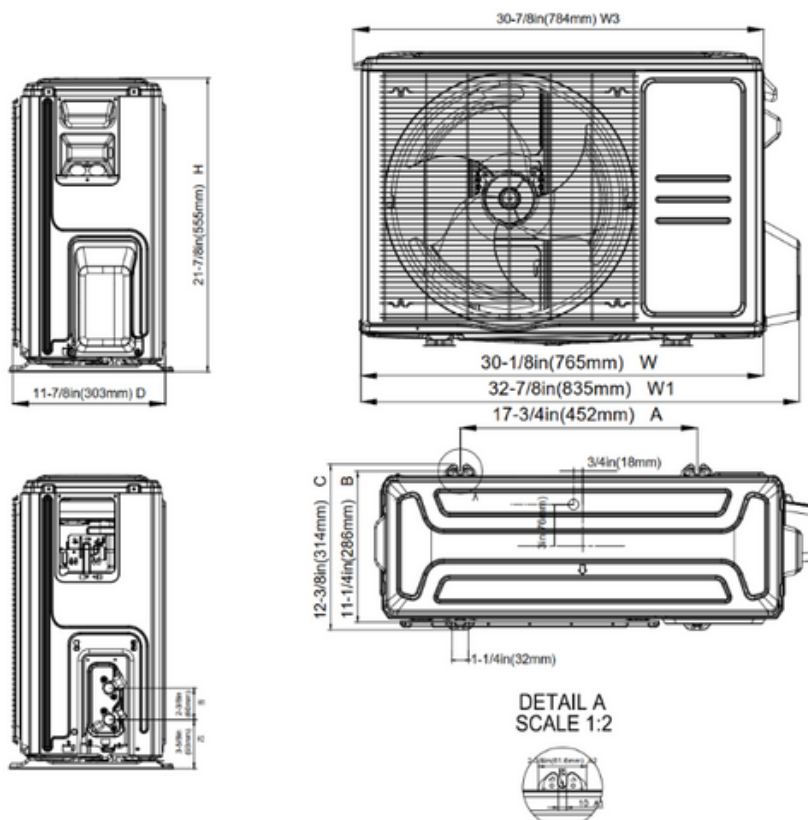
Dimensions & Installation Manual



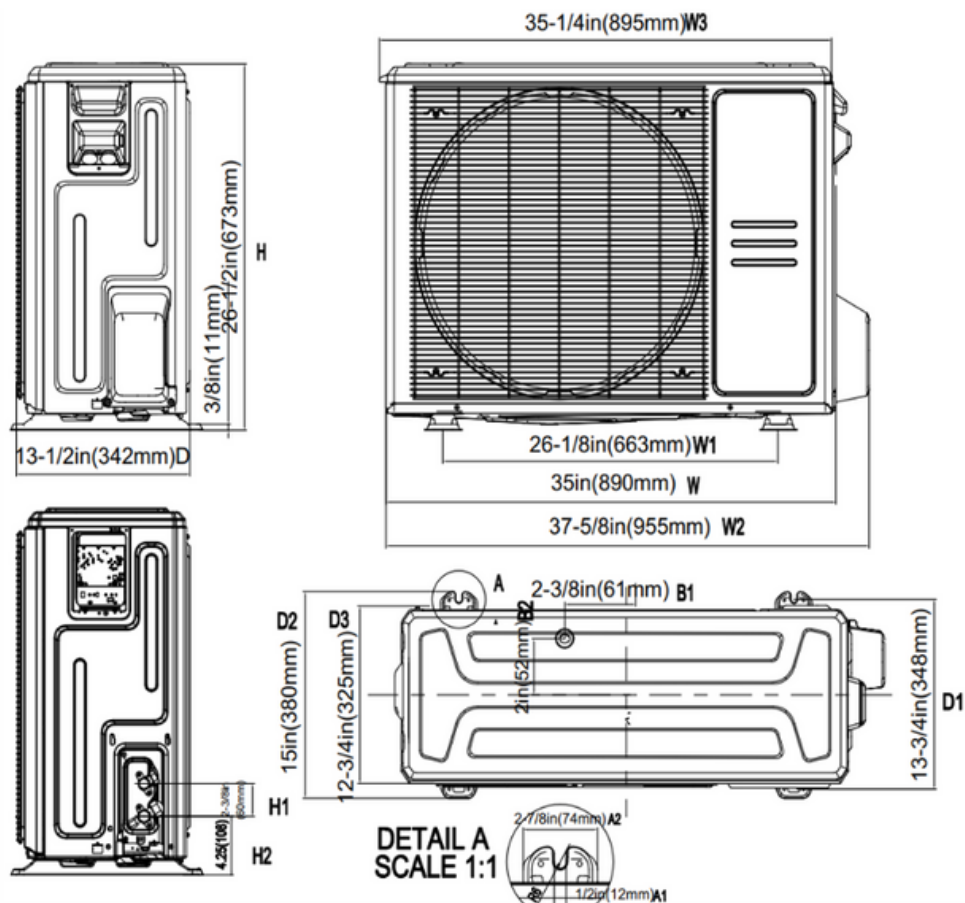
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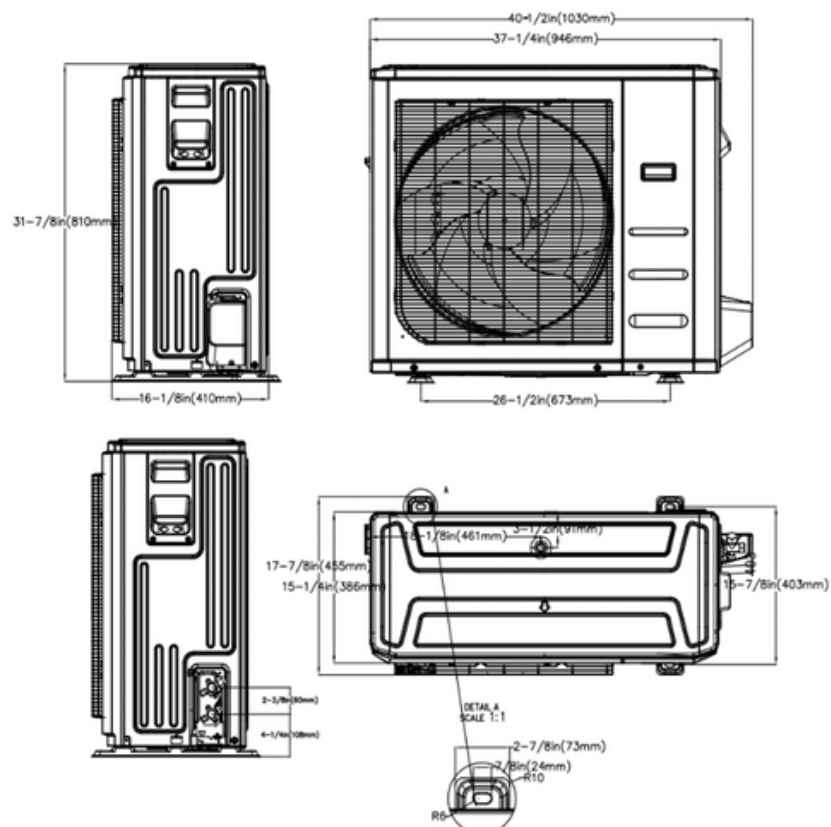
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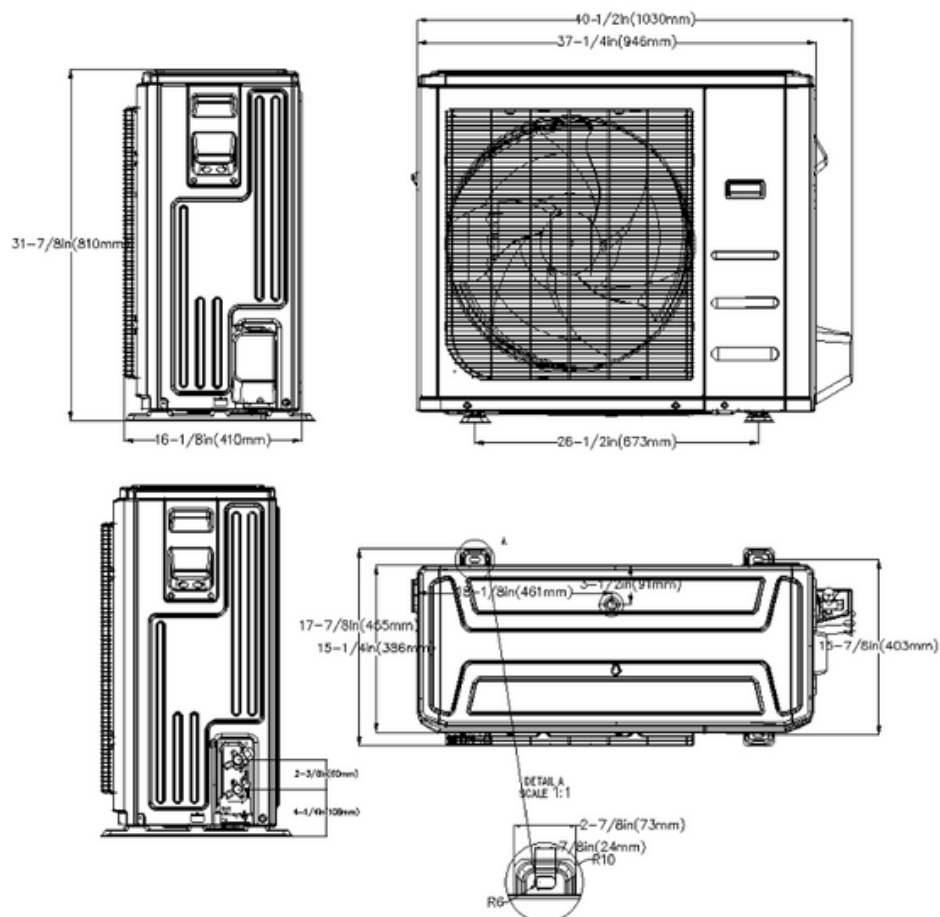
18k



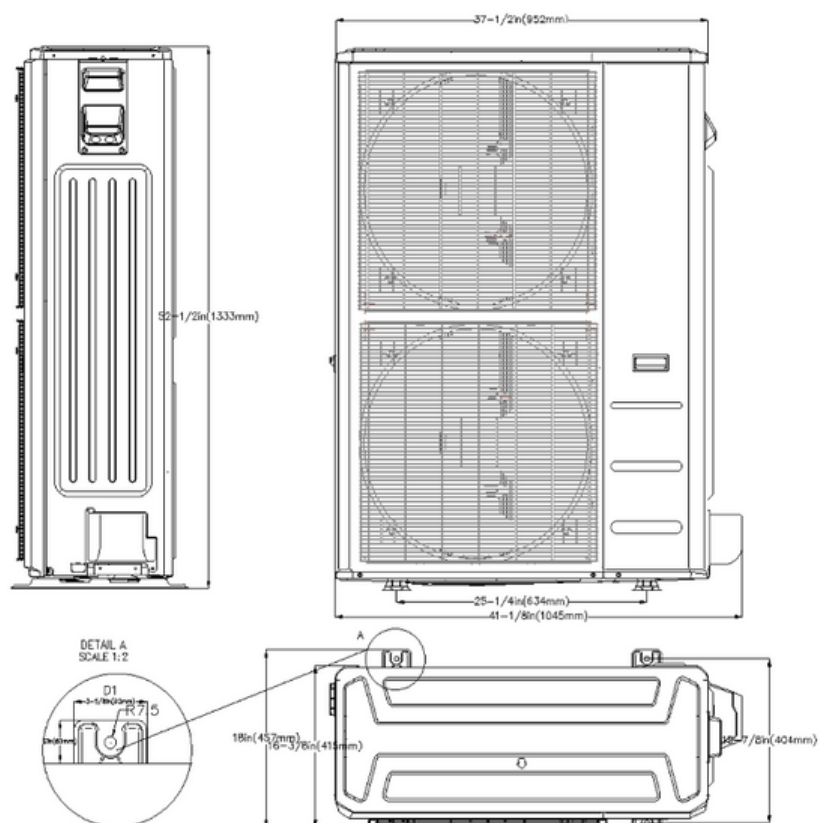
24k



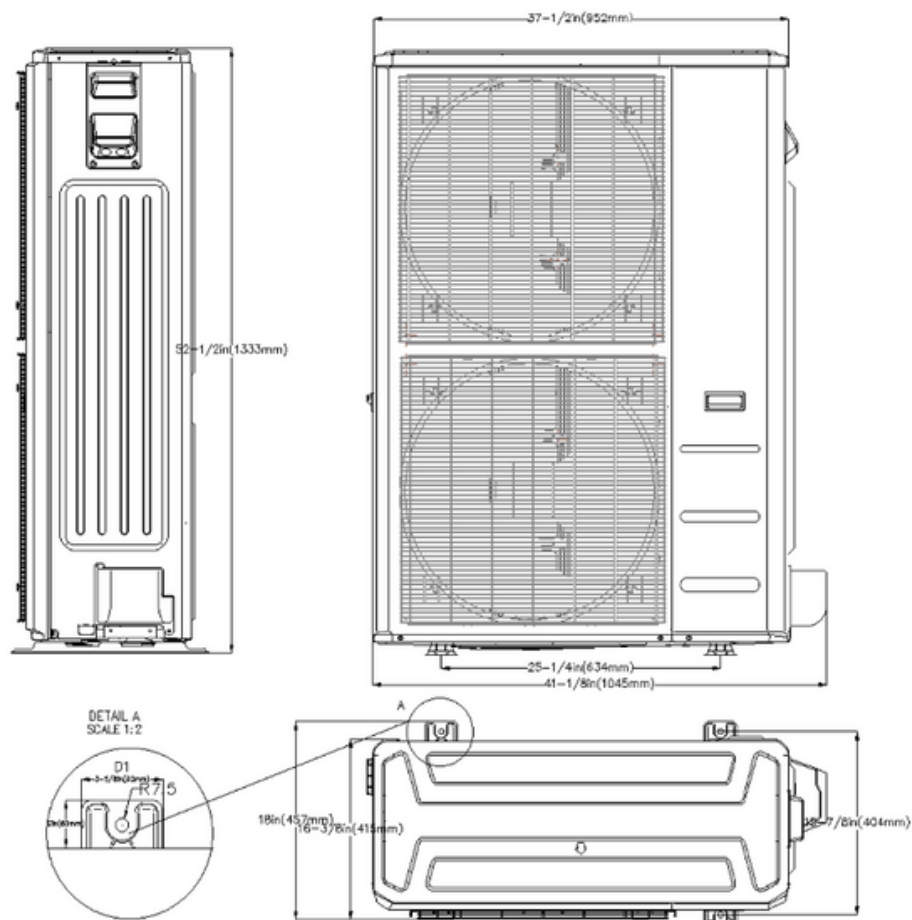
36k



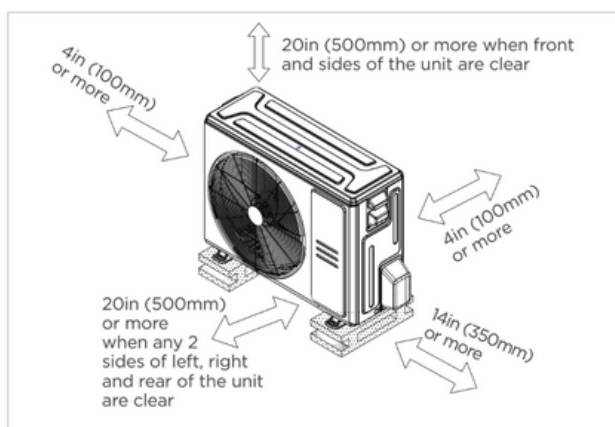
48k



60k



Installation Instructions



- ☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

REQUIRED CLEARANCE

*1 20in. (500mm) or more when front and sides of the unit are clear

