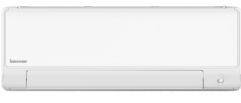
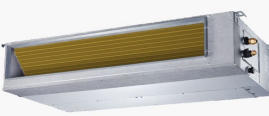


SUBMITTAL DATA SHEET

innovair®

M4 Multi-Inverter Outdoor Heat Pump

Outdoor	High Wall	Console	Low Profile Duct	High Static Duct
				
	360° Cassette	One-Way Cassette	Floor Ceiling	Air Handler
				

Outdoor Key Features
• Eco-Friendly R454B Refrigerant
• Advanced Inverter Technology
• Anti-Corrosive Gold-Fin Coating
• Thin and Compact Design
• Mix-and-Match up to 8 different indoor options
• Intelligent Defrosting
• 3 Pipe connections for 18K, 4 Pipe connections for 27K, 5 Pipe connections for 36K, 6 Pipe connections for 48K & 60K
• Heating operation at -13°F (M4) or -22°F (M4+)
• Auto-Restart
• Automatic Electronic Ball-Valve to shut off refrigerant flow in case of a leak
• Drain Pan Heater and Compressor Heating Belt
• *10 Year Warranty

Accessories

Dr. Smart Diagnostic Tool	Model	Description
	17222000A55927	• Diagnostic tool for SLIM & M4 Series • Real-Time System Communication & Simulations • Easy Navigation with Display • Lightweight with Built-in Magnets

* Warranty subject to terms and conditions. Customer is responsible for remaining up to date on all warranty requirements. Warranty is valid only when all conditions outlined in the official warranty documentation are met. Current warranty details available at <https://innovair.com/warranty/>

SUBMITTAL DATA SHEET



Series Name: M4 Multi Regular Heat Pump
Model Number: MOM18H2BM3A
AHRI Reference No. 215725489

Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
SEER2	25.1	HSPF2-4	9.8
EER2	14	COP	2.3

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	5400~21600
Moisture Removal(L/h)	0.2
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

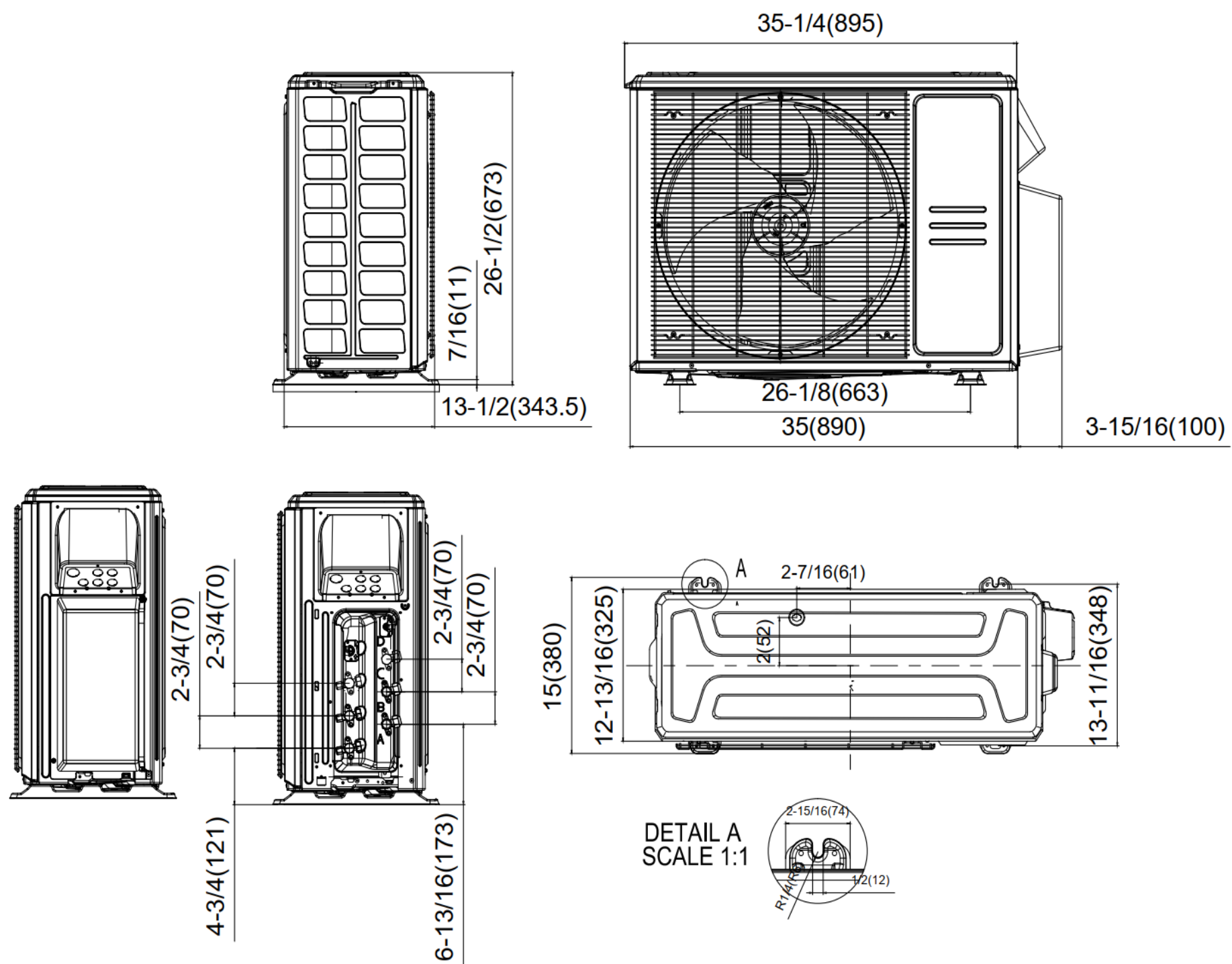
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	19000
1. @ 47°F Min/Max Capacity	5700~21600
2. @ 17°F Rated(H32)	13600
3. @ 5°F Rated: Capacity / COP(H42)	13500/2.3
3. @ 5°F Max: Capacity	13500
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F 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)		59.5
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
Net/Gross Weight	lbs	100.53/109.35
	kg	45.6/49.6

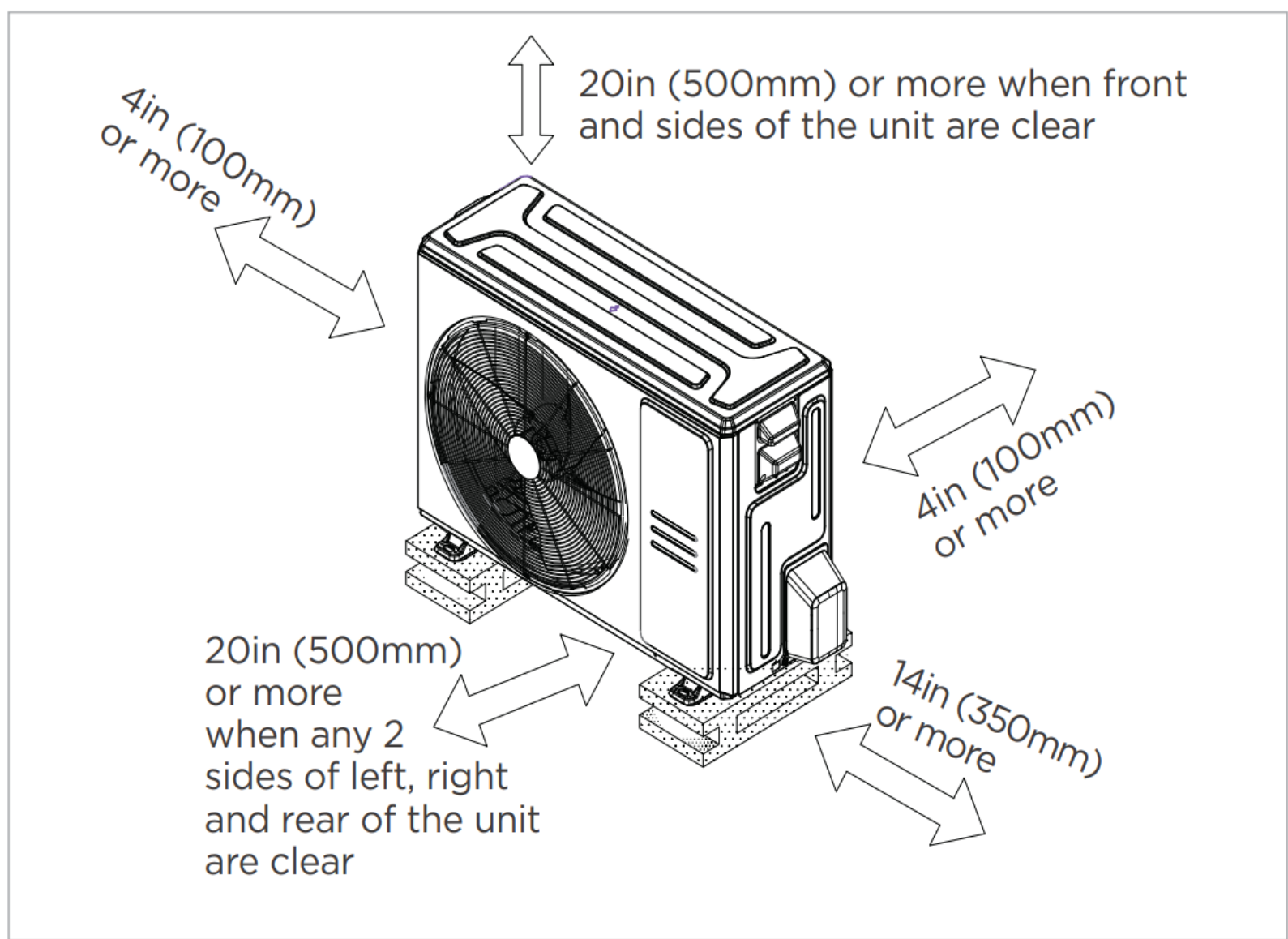
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	16
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	8.2
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1285/(400 ~ 1900)
System Power Input @ Heating (W)	1465/(350 ~1630)
MCA: Min. circuit amps (A)	MOCP: Max. 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)
Refrigearent 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

Outdoor Unit Dimension



Installation Instruction



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

SUBMITTAL DATA SHEET



Series Name: M4 Multi Regular Heat Pump
Model Number: MOM27H2BM4B
AHRI Reference No. 215725504

Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
SEER2	25.0	HSPF2-4	9.5
EER2	13	COP	2.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	27000
Min/Max Capacity	7200~32000
Moisture Removal(L/h)	0.8
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

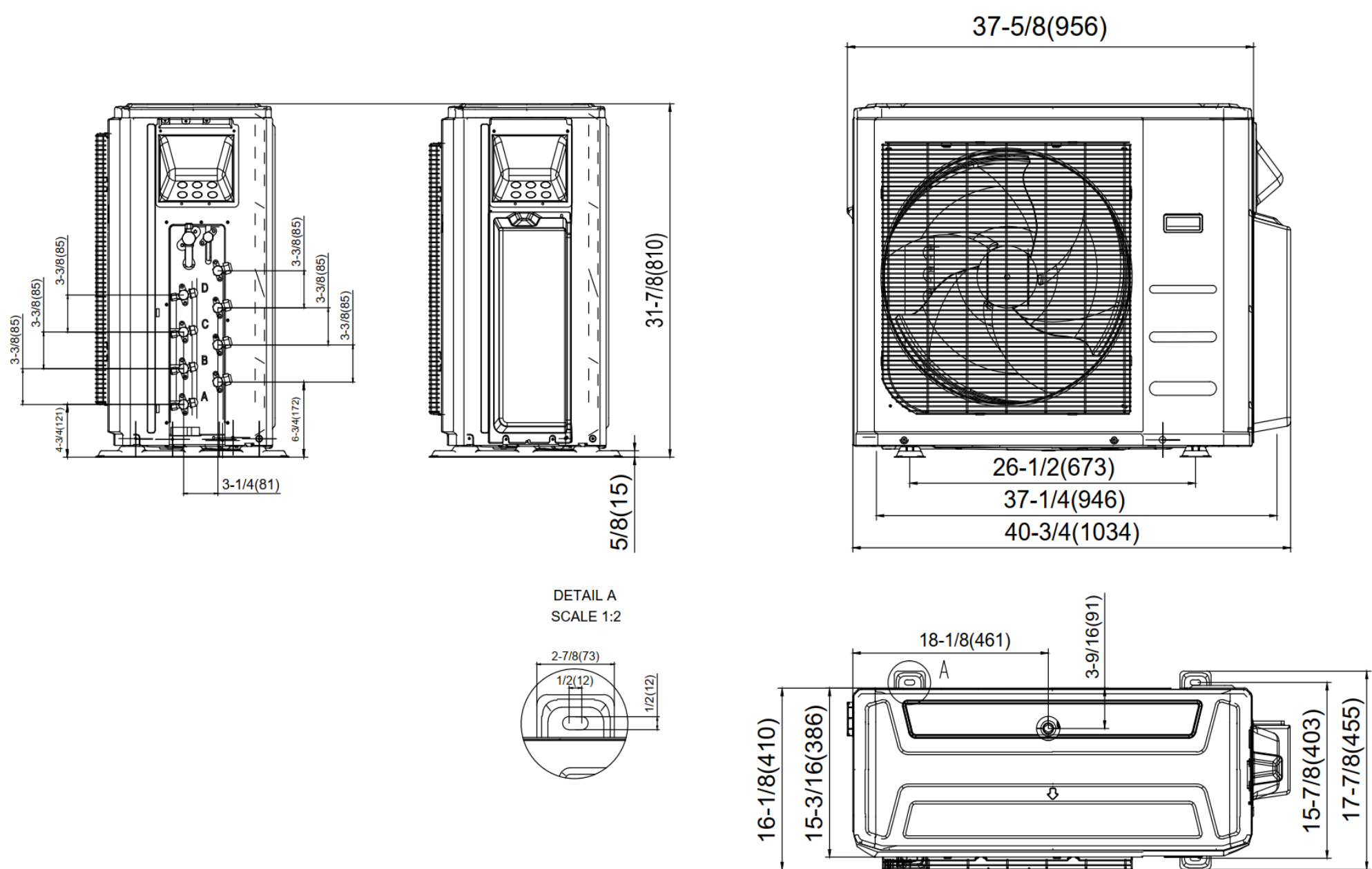
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	27000
1. @ 47°F Min/Max Capacity	8400~29000
2. @ 17°F Rated(H32)	18400
3. @ 5°F Rated: Capacity / COP(H42)	19000/2
3. @ 5°F Max: Capacity	19000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F 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

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
Net/Gross Weight	lbs	138.89/149.69
	kg	63.0/67.9

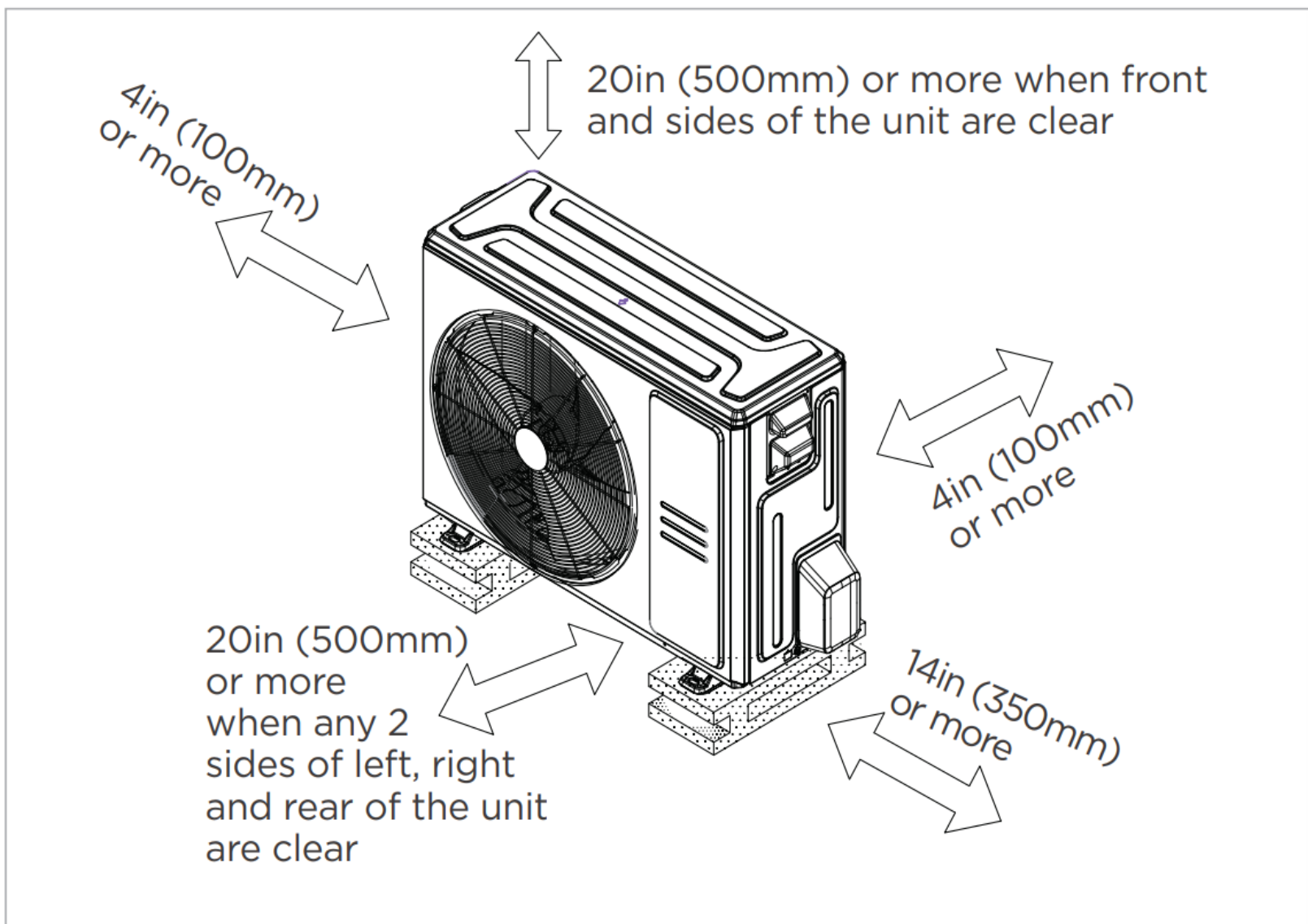
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	23
Connection Wiring	AWG 14-4
System MOCP	25
Compressor RLA	12.1
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2076/(500 ~ 2730)
System Power Input @ Heating (W)	2080/(500 ~2400)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

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)
Refrigearent 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

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

SUBMITTAL DATA SHEET

Series Name: M4 Multi Regular Heat Pump
Model Number: MOM36H2BM5B
AHRI Reference No. 215725507



Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
SEER2	24.0	HSPF2-4	9.5
EER2	12	COP	2.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	9000~42000
Moisture Removal(L/h)	0.1
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

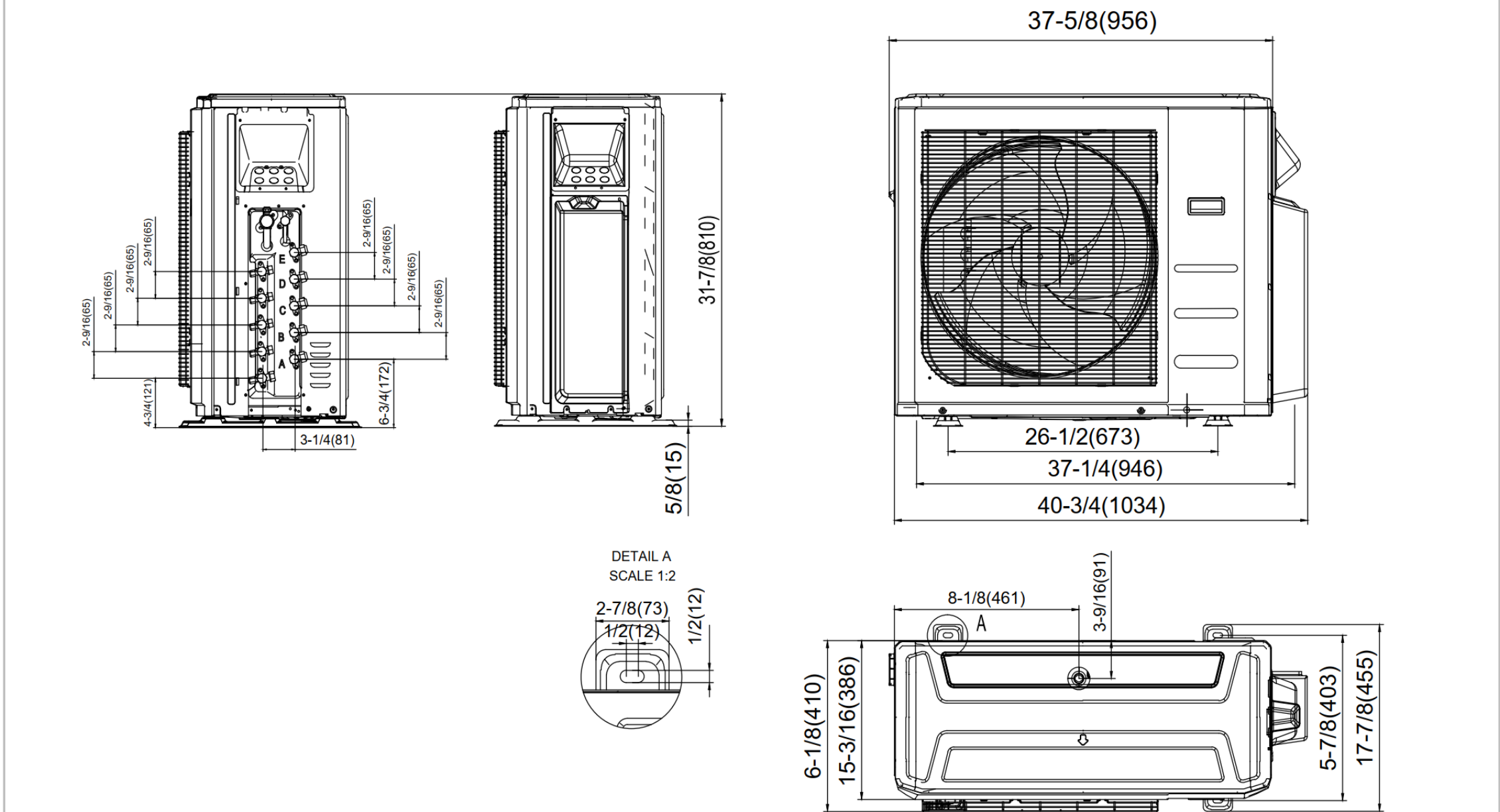
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	37000
1. @ 47°F Min/Max Capacity	10000~42500
2. @ 17°F Rated(H32)	26600
3. @ 5°F Rated: Capacity / COP(H42)	26000/2
3. @ 5°F Max: Capacity	26000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F 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

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)		64.5
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
Net/Gross Weight	lbs	168.87/180.12
	kg	76.6/81.7

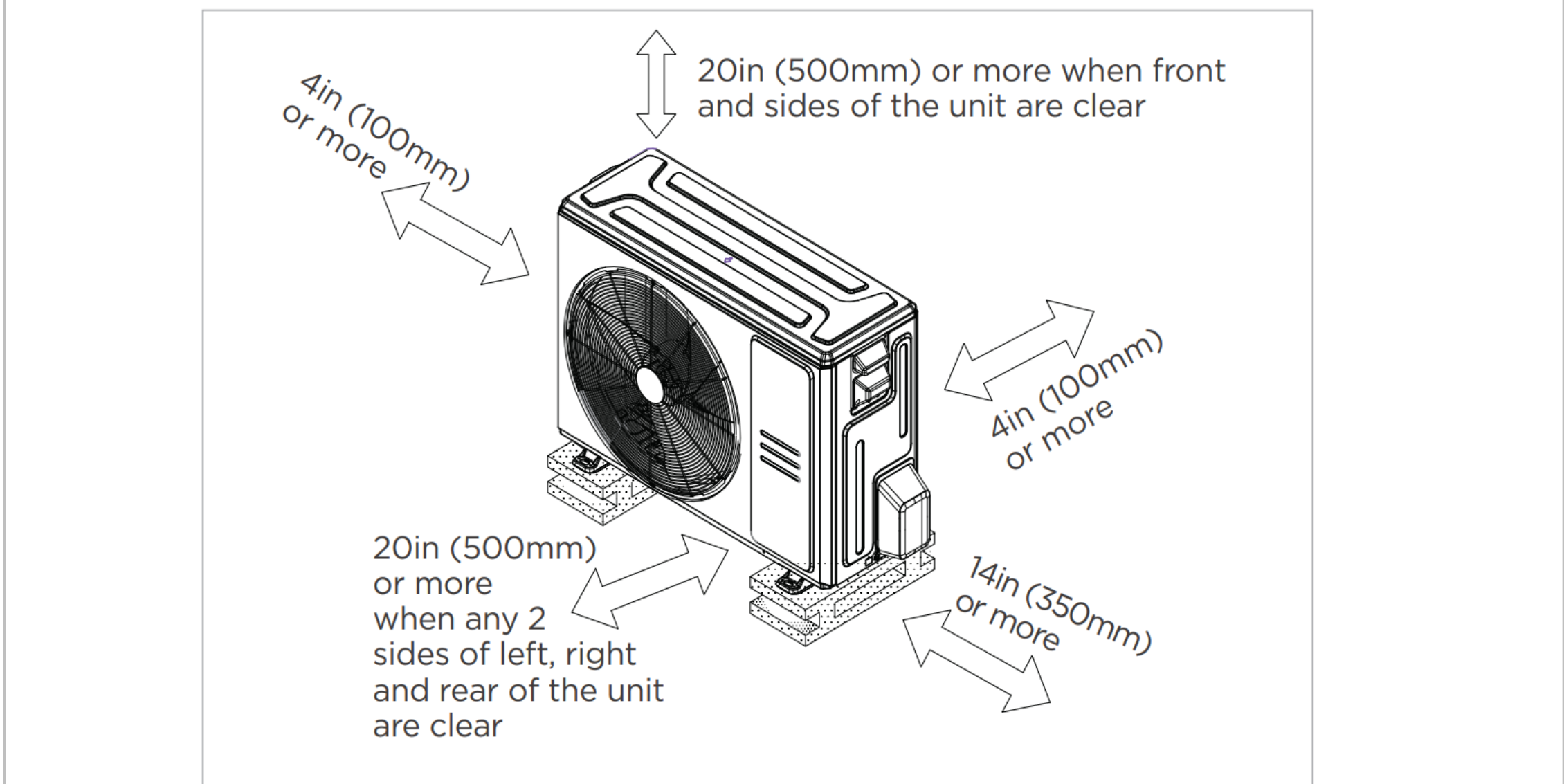
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	30.5
Connection Wiring	AWG 14-4
System MOCP	35
Compressor RLA	17
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3000/(600 ~ 4100)
System Power Input @ Heating (W)	3098/(600 ~3900)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

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)
Refrigearent 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

Outdoor Unit Dimension



Installation Instruction



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

SUBMITTAL DATA SHEET

Series Name: M4 Multi Regular Heat Pump
Model Number: MOM48H2BM6B
AHRI Reference No. 215725510



Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
SEER2	24.0	HSPF2-4	10.3
EER2	12.5	COP	2.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	47000
Min/Max Capacity	12000~55000
Moisture Removal(L/h)	3.3
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

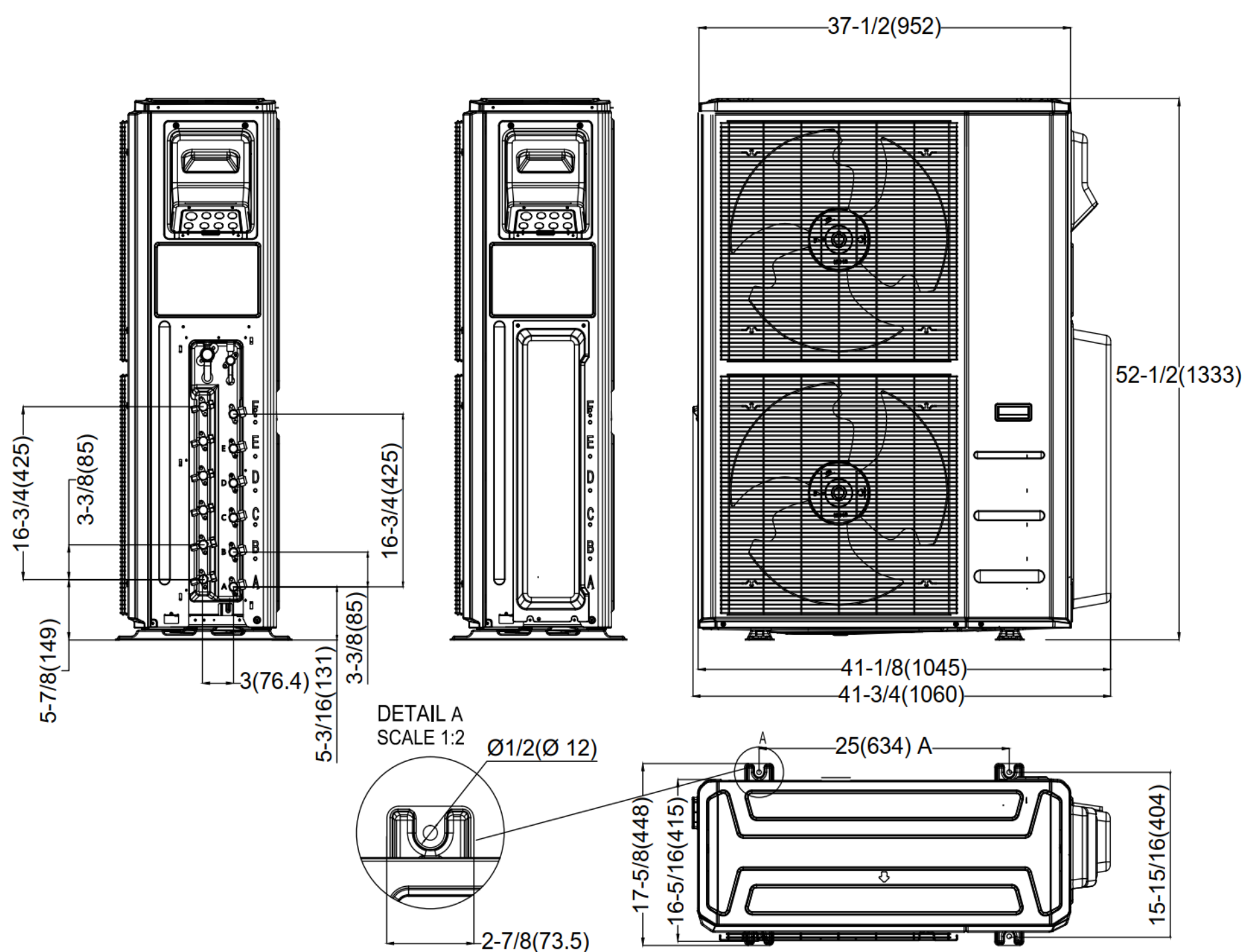
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	48000
1. @ 47°F Min/Max Capacity	13000~53000
2. @ 17°F Rated(H32)	38000
3. @ 5°F Rated: Capacity / COP(H42)	36000/2
3. @ 5°F Max: Capacity	36000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F 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

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)		63
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
Net/Gross Weight	lbs	222.00/254.19
	kg	100.7/115.3

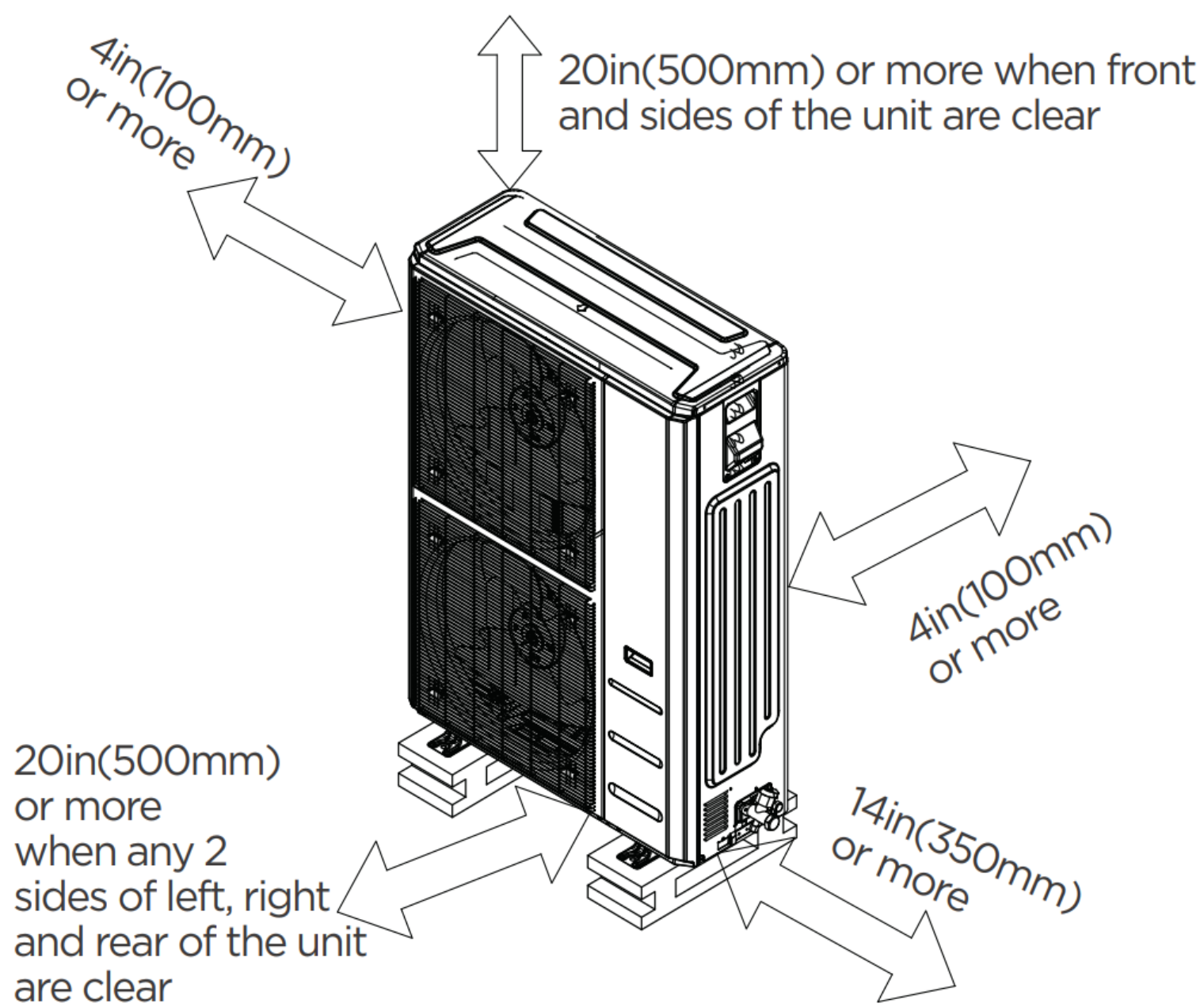
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	34
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3764/(800 ~ 5800)
System Power Input @ Heating (W)	3702/(800 ~5200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

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)
Refrigearent 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

Outdoor Unit Dimension



Installation Instruction



SUBMITTAL DATA SHEET

Series Name: M4 Multi Regular Heat Pump
Model Number: MOM60H2BM6B
AHRI Reference No. 215835699



Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
SEER2	22.0	HSPF2-4	9.5
EER2	10	COP	2.2

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	60000
Min/Max Capacity	19000~62000
Moisture Removal(L/h)	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

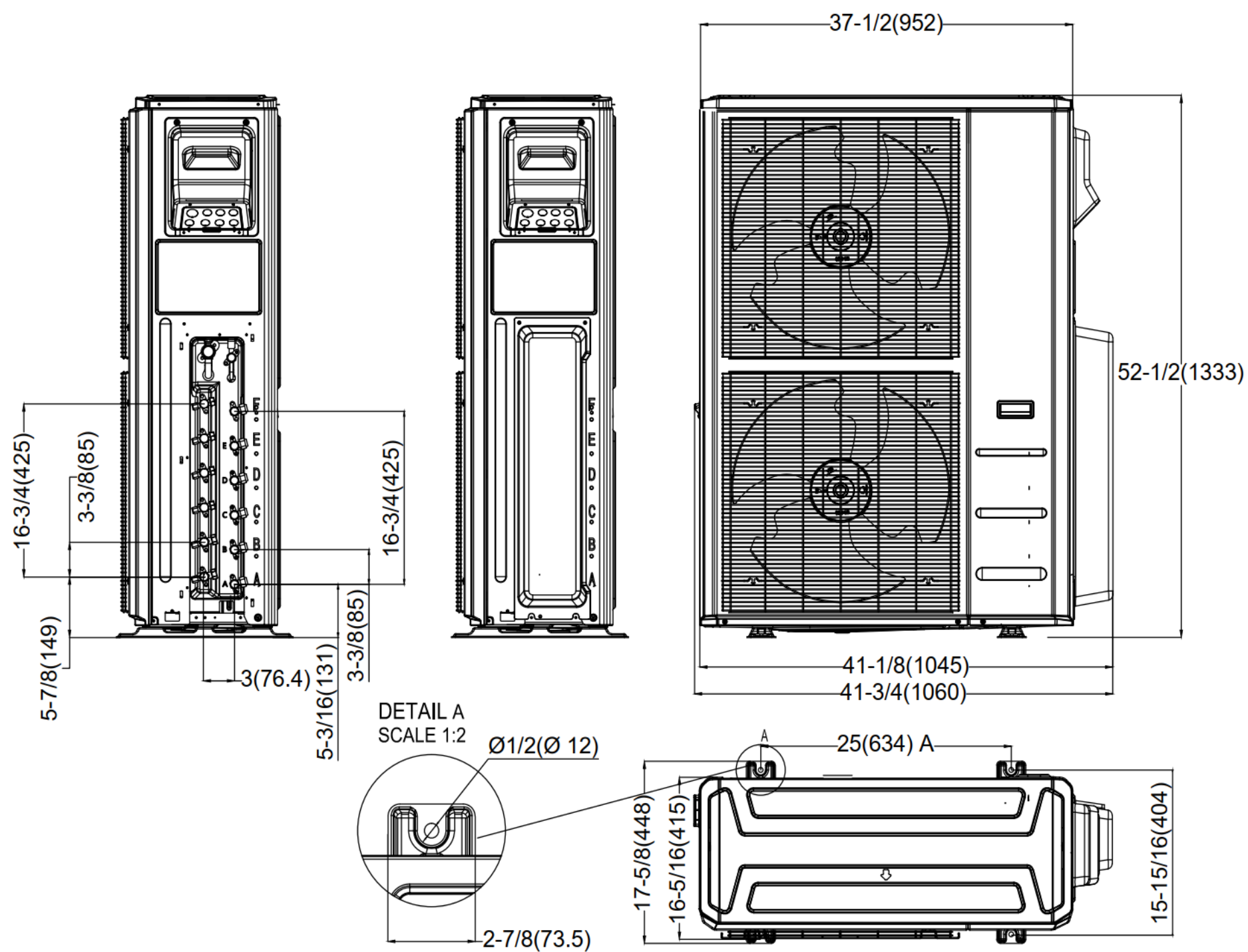
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	60000
1. @ 47°F Min/Max Capacity	20000~60000
2. @ 17°F Rated(H32)	39000
3. @ 5°F Rated: Capacity / COP(H42)	39000/2.2
3. @ 5°F Max: Capacity	39000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 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		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
Net/Gross Weight	lbs	237.88/270.28
	kg	107.9/122.6

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	36
Connection Wiring	AWG 14-4
System MOCP	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 ~ 5800)
System Power Input @ Heating (W)	4753/(1200 ~4800)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

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)
Refrigearent 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

Outdoor Unit Dimension



Installation Instruction

