

Indoor	KEENOWAH12AA	Outdoor	KEENUMHP12AA
One Way Cassette Heat Pump System			
Location:		Approval:	
Engineer:		Date:	
Submitted to:		Construction:	
Submitted by:		Unit #:	
Reference:		Drawing #:	



INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		353.2 / 312.0 / 282.5 / 247.2 / 176.6
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		41 / 41 / 37 / 33 / 24
Dimension (W×D×H)	inch	50.31 x 13.19 x 8.98
	mm	1278.0 x 335.0 x 228.0
Package (W×D×H)	inch	57.60 x 22.48 x 22.64
	mm	1463 x 571 x 575
Net/Gross Weight	lbs	45.19 / 82.45
	kg	20.5 / 37.4

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTN110D42UFZ
Refrigerant		R454B
Refrigerant Oil Charge (mL)		350
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1471.5
Outdoor Noise Level (dBA)		56
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0 x 330.0 x 554.0
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	72.75 / 78.70
	kg	33 / 35.7

EFFICIENCY			
Cooling		Heating	
SEER2	23	HSPF2-4	10.0
EER2	13	COP	3.56

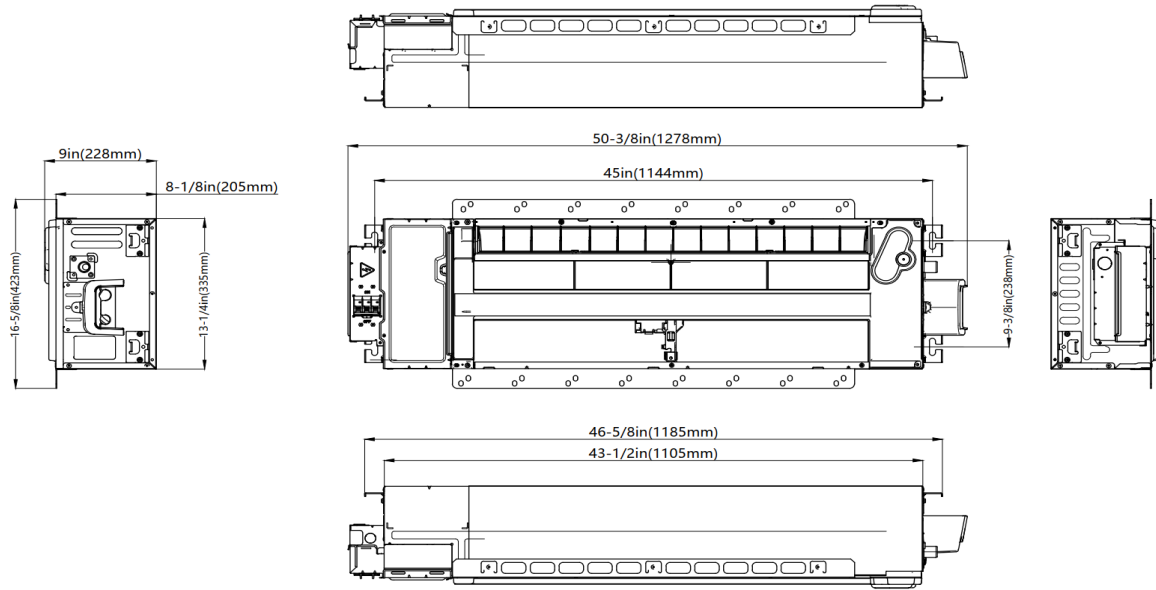
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	4000 ~ 13900
Moisture Removal (L/h)	1.69
Standard Operating Range (°F/°C)	-22~122 (-30~50)
Conditions:	Indoor: 80°F DB / 67°F WB Outdoor: 95°F DB / 75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	12500
1. @ 47°F Min/Max Capacity	4600 ~ 15200
2. @ 17°F Rated	9600
3. @ 5°F Rated: Capacity / COP	11500 / 2.0
3. @ 5°F Max: Capacity	11500
Standard Operating Range (°F/°C)	-22~75 (-30~24)
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

ELECTRICAL		
Power Supply		208/230V, 60Hz, 1Ph
System MCA		15.00
Connection Wiring		14#x4
System MOC		15
Compressor RLA		11.6
Outdoor Fan Motor RLA		0.5
Outdoor Fan Motor W		34
Indoor Fan Motor RLA		1.0
Indoor Fan Motor W		30
System Power Input @ Cooling (W)		923 (147 ~ 1230)
System Power Input @ Heating (W)		1030 (362 ~ 1377)
MCA: Min. circuit amps (A)		MOCP: Max. over current protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

PIPING		
Throttle type (Indoor)		N/A
Throttle type (Outdoor)		EXV
Liquid Size		6.35mm (1/4in)
Gas Size		9.52mm (3/8in)
Max. Piping Length (ft/m)		82.02 (25)
Max. Height Difference (ft/m)		49.21 (15)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)		35.27 (1.00)
Additional Charge of Refrigerant ((oz/ft) / (g/m))		0.16 (15)
Connection Method		Flared

Indoor Unit Dimension

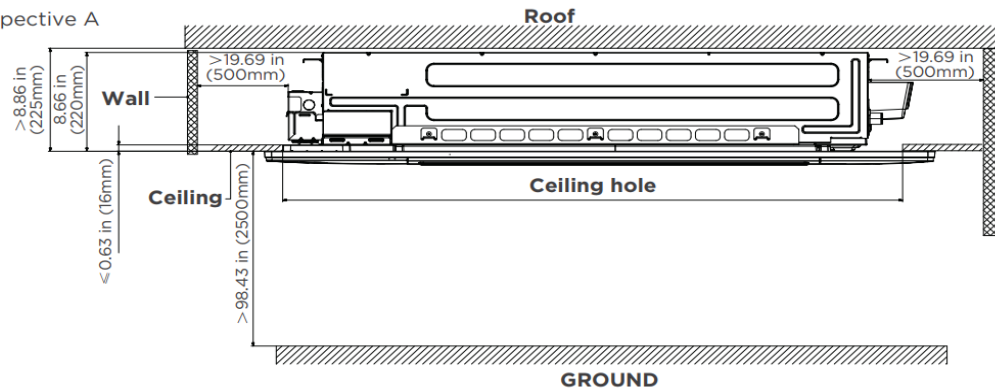


Installation Instruction

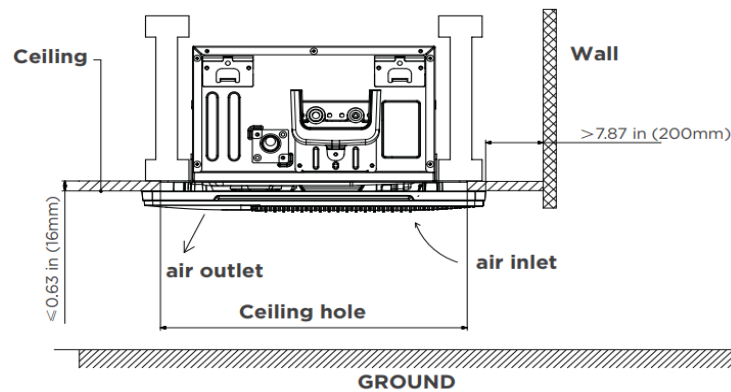
Installation place

(unit: inch/mm)

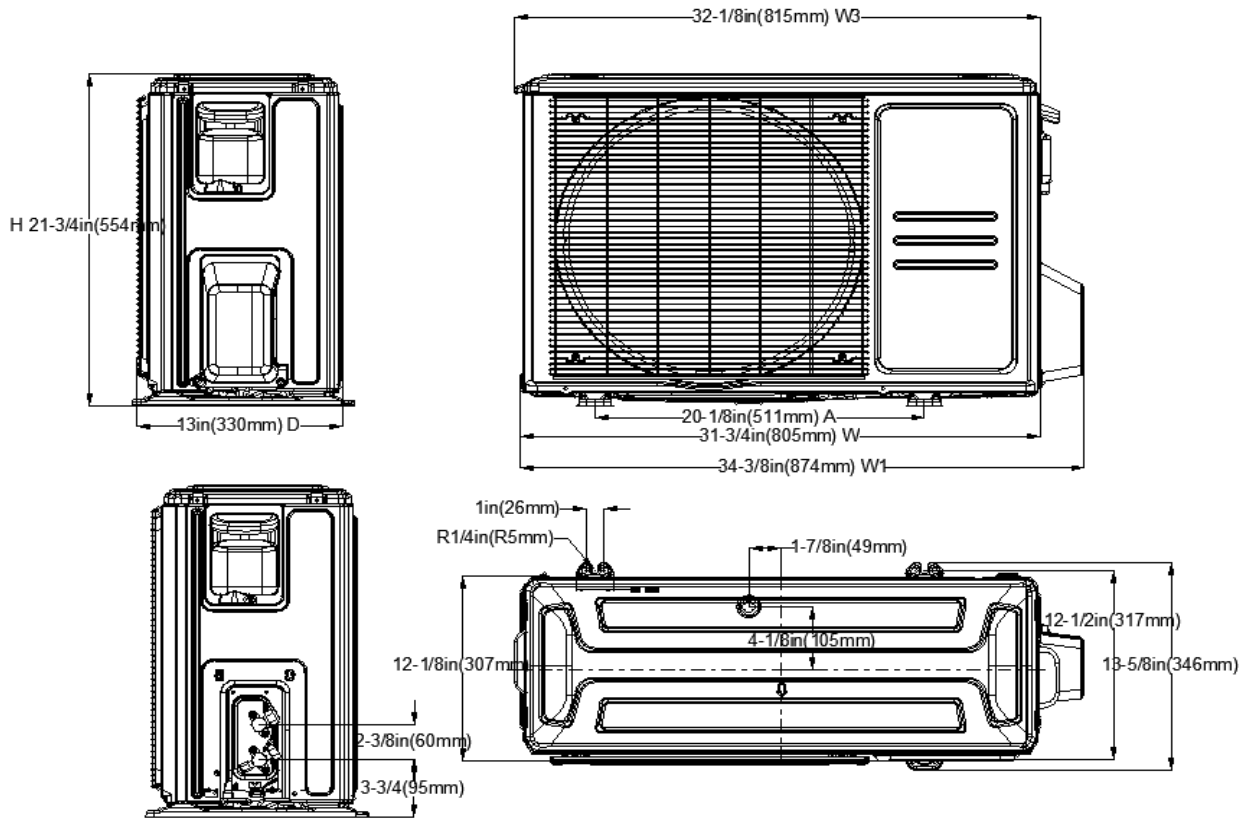
Perspective A



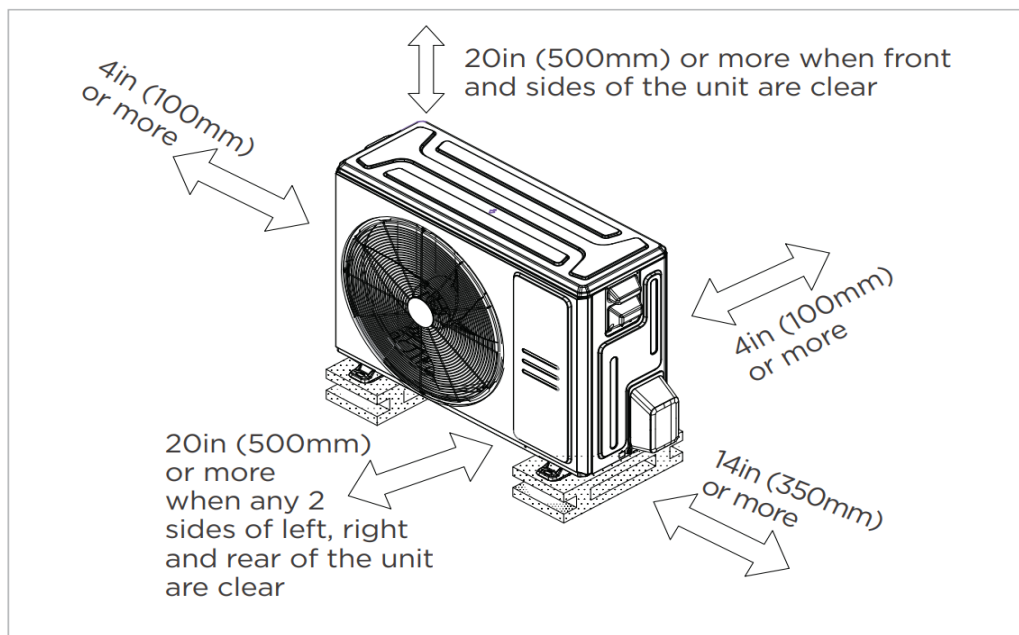
Perspective B



Outdoor Unit Dimension



Installation Instruction



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