

Indoor	KEENOWAH09AA	Outdoor	KEENUMHP09AA
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)	341.4 / 294.3 / 259.0 / 235.4 / 235.4
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	38 / 38 / 36 / 33 / 24
Dimension (W×D×H)	inch
	mm
Package (W×D×H)	inch
	mm
Net/Gross Weight	lbs
	kg

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)	54.5
Dimension (W×D×H)	inch
	mm
Package (W×D×H)	inch
	mm
Net/Gross Weight	lbs
	kg

EFFICIENCY			
Cooling		Heating	
SEER2	24.0	HSPF2-4	12.1
EER2	14.6	COP	3.71

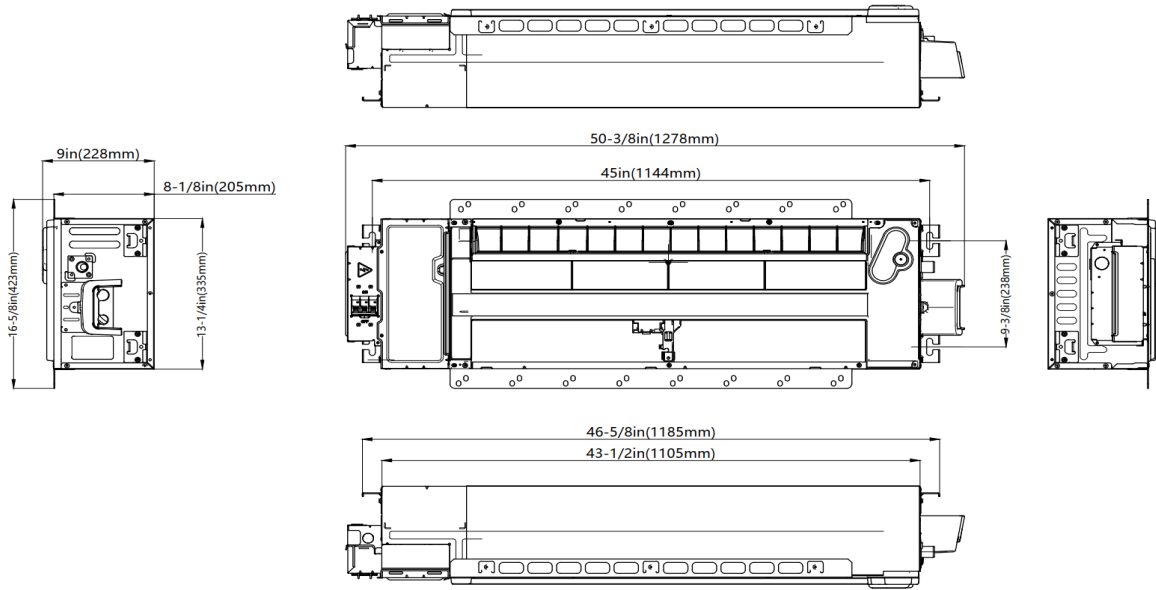
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	4000 ~ 12900
Moisture Removal (L/h)	0.98
Standard Operating Range (*F/°C)	-22 ~ 122 (-30 ~ 50)
Conditions:	Indoor: 80°F DB / 67°F WB Outdoor: 95°F DB / 75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	10900
1. @ 47°F Min/Max Capacity	3800 ~ 13900
2. @ 17°F Rated	9000
3. @ 5°F Rated: Capacity / COP	10600 / 1.83
3. @ 5°F Max: Capacity	10600
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 MOCP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	610 (147 ~ 1150)
System Power Input @ Heating (W)	860 (300 ~ 1350)
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

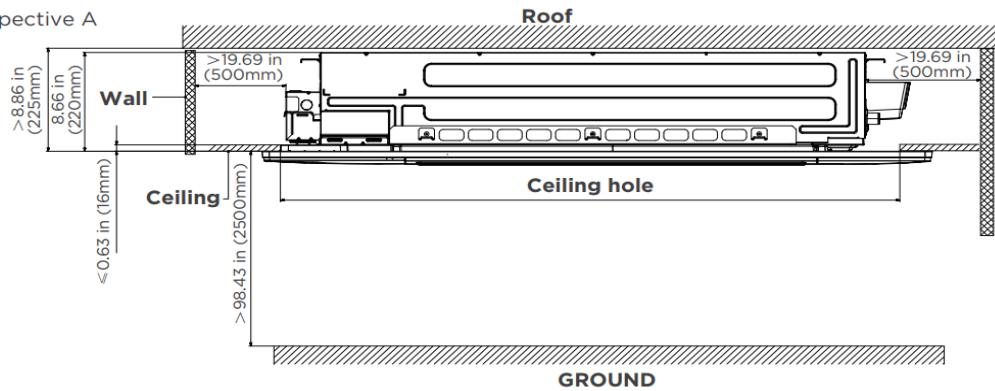


Installation Instruction

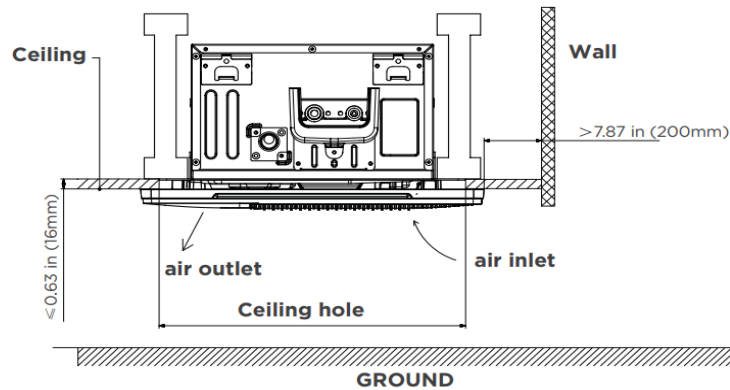
Installation place

(unit: inch/mm)

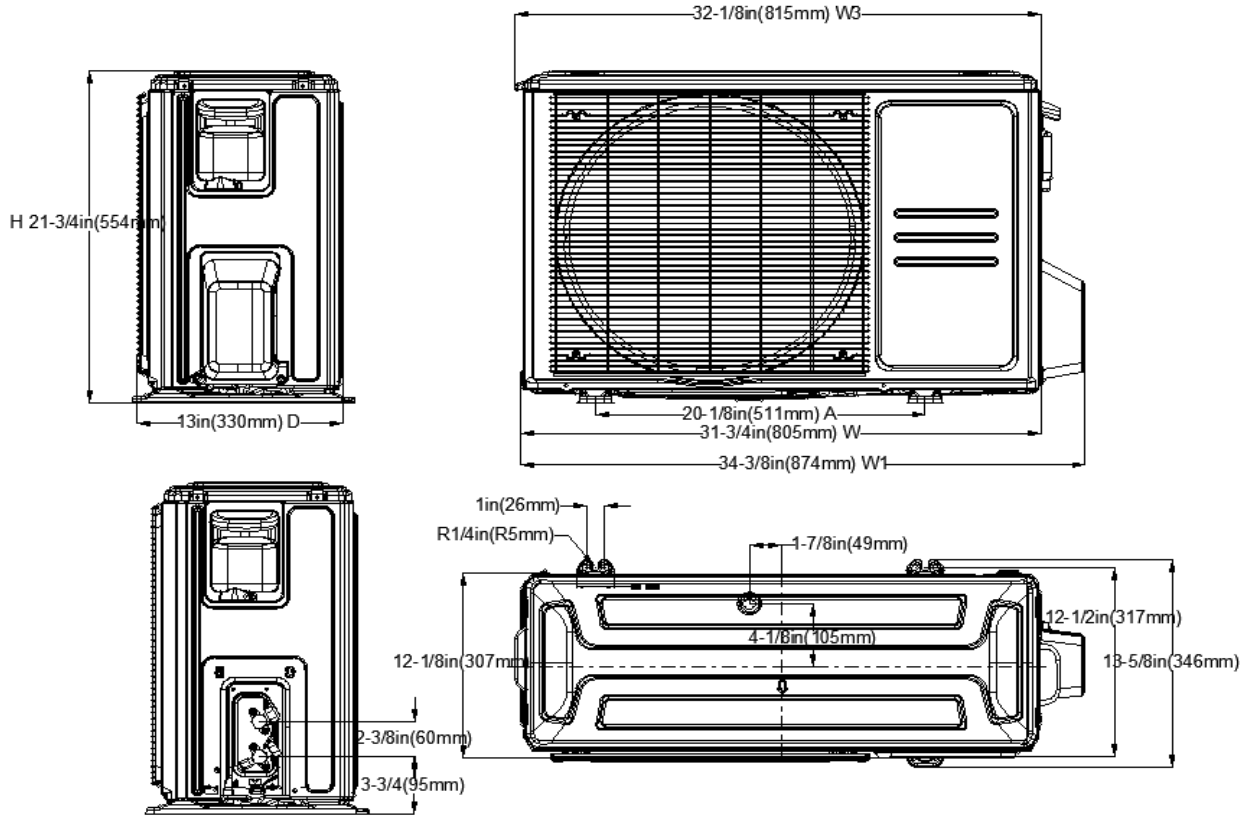
Perspective A



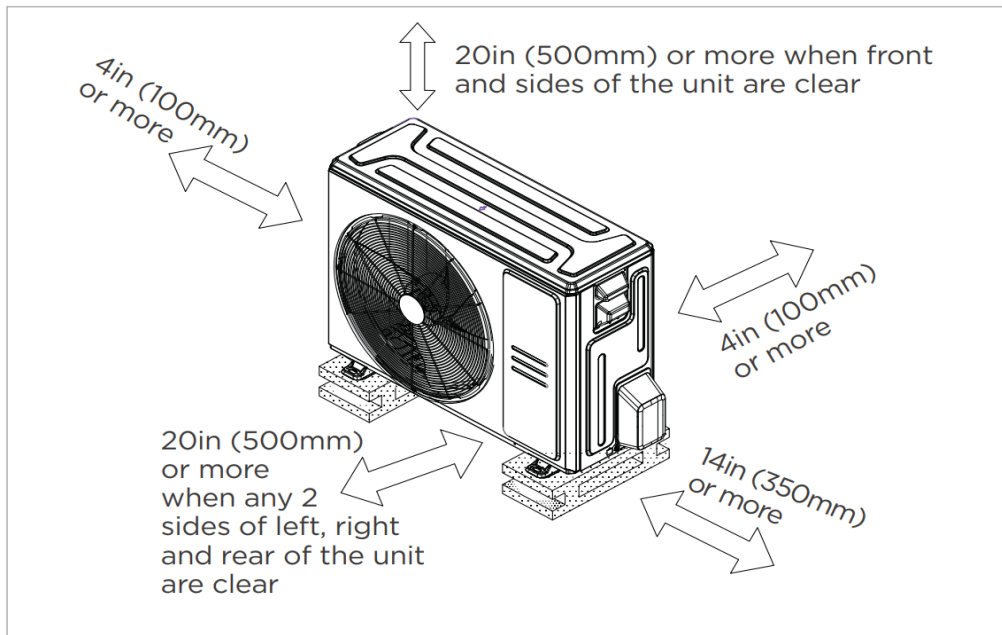
Perspective B



Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.