

Indoor	KEENFCAH18AA	Outdoor	KEENUMHP18AA
Ceiling & Floor 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)		576.8 / 547.4 / 485.6 / 420.8 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		45 / 42.5 / 39.5 / 30.5 / 29.0
Dimension (W×D×H)	inch	42.05 x 26.57 x 9.25
	mm	1068.0 x 675.0 x 235.0
Package (W×D×H)	inch	45.08 x 29.72 x 12.52
	mm	1145 x 755 x 318
Net/Gross Weight	lbs	58.42 / 70.55
	kg	26.5 / 32.0

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge (mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1765.8
Outdoor Noise Level (dBA)		58.0
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890.0 x 342.0 x 673.0
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	lbs	99.87 / 107.80
	kg	45.3 / 48.9

EFFICIENCY			
Cooling		Heating	
SEER2	20.4	HSPF2-4	10.3
EER2	12.5	COP	3.07

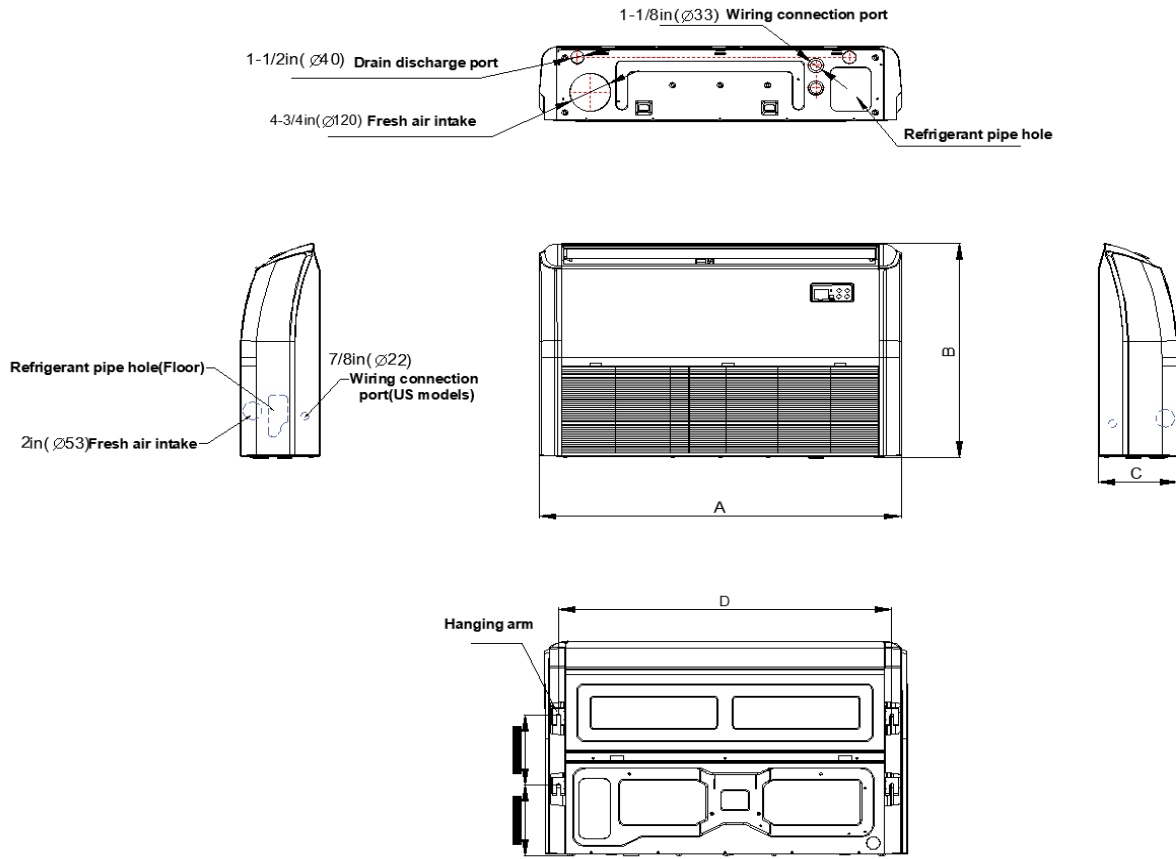
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	17000
Min/Max Capacity	7400 ~ 19200
Moisture Removal (L/h)	1.73
Standard Operating Range (*F/°C)	-22 ~ 122 (-30 ~ 50)
Conditions:	Indoor: 80°F DB / 67°F WB Outdoor: 95°F DB / 75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	19000
1. @ 47°F Min/Max Capacity	8300 ~ 20700
2. @ 17°F Rated	14400
3. @ 5°F Rated: Capacity / COP	17000 / 1.86
3. @ 5°F Max: Capacity	17000
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

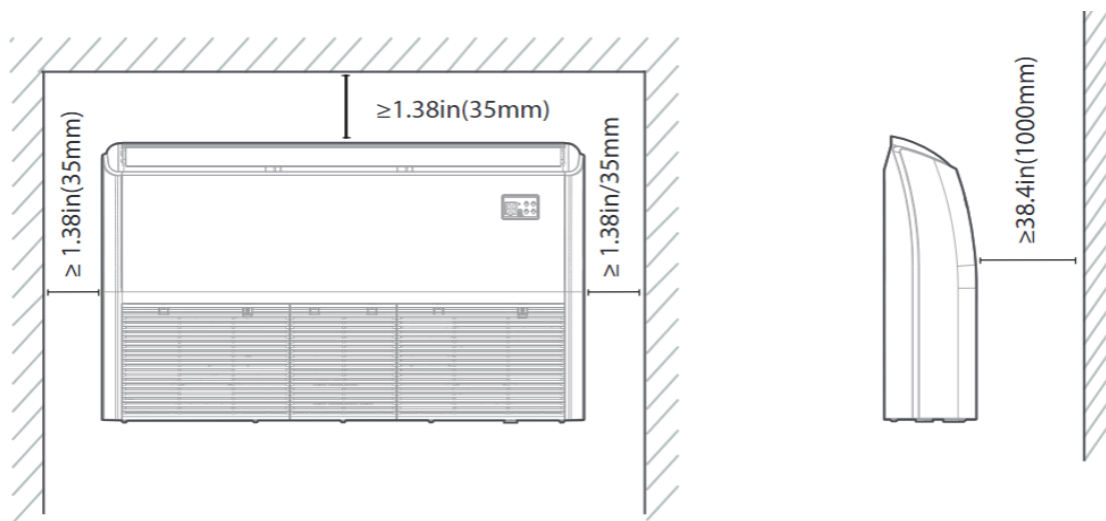
ELECTRICAL	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	19.00
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	11.7
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	90
System Power Input @ Cooling (W)	1350 (500 ~ 1670)
System Power Input @ Heating (W)	1814 (525 ~ 1830)
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+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/kg)	55.38 (1.57)
Additional Charge of Refrigerant ((oz/ft) / (g/m))	0.16 (15)
Connection Method	Flared

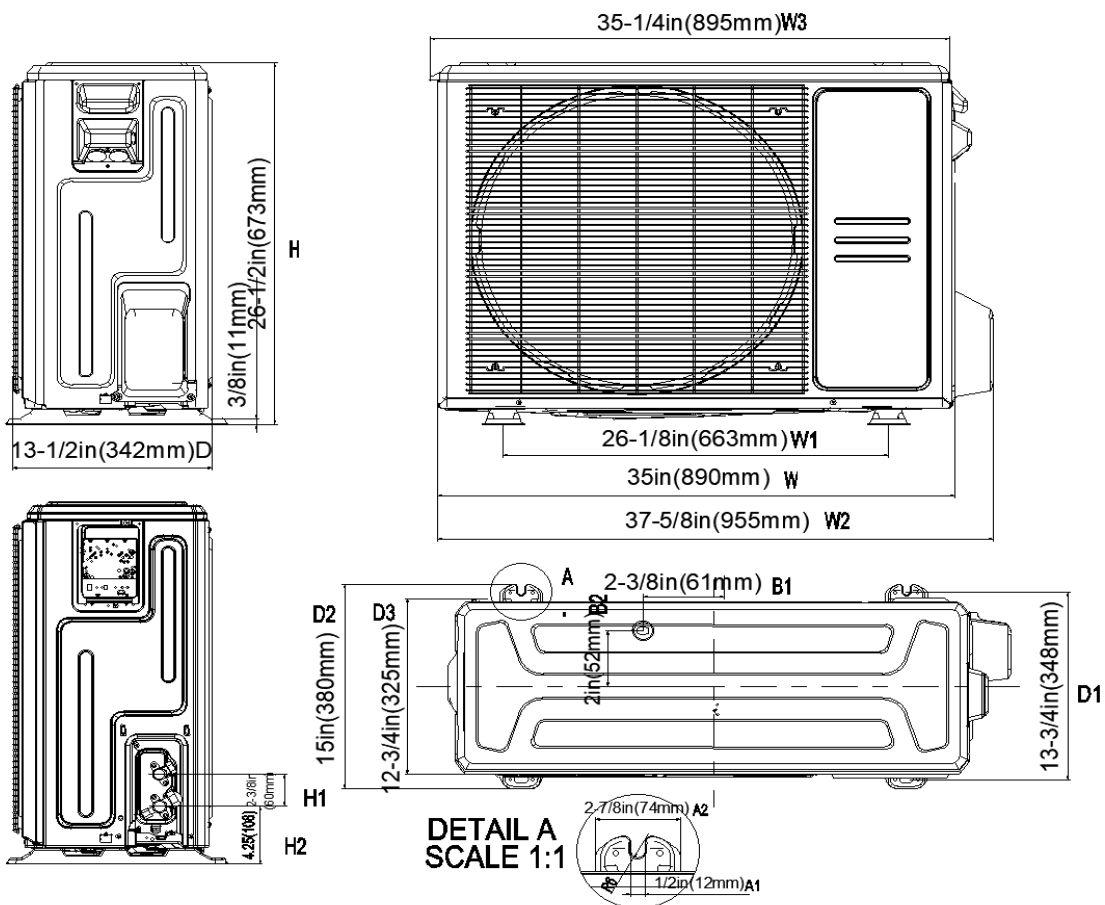
Indoor Unit Dimension

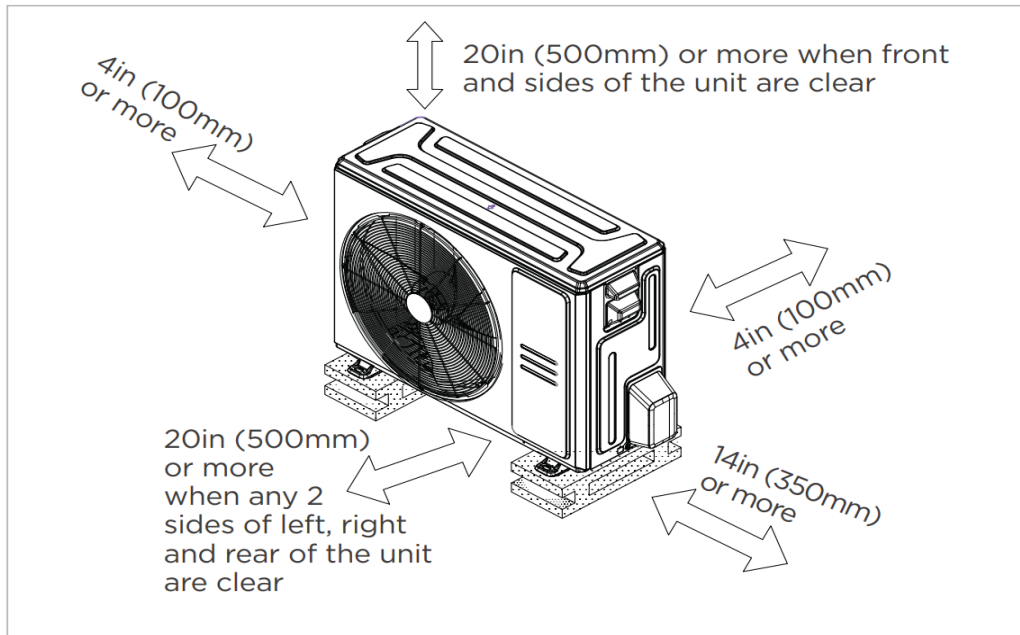


Model	A	B	C	D
18K/24K	42in(1068mm)	26-1/2in(675mm)	9-1/4in(235mm)	38-3/4in(983mm)
36K/48K/60K	65in(1650mm)	26-1/2in(675mm)	9-1/4in(235mm)	61-5/8in(1565mm)



Outdoor Unit Dimension





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