

**Outdoor KEENHYZHP27AA**

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



OUTDOOR SPECIFICATION		
<b>Compressor Type</b>	ROTARY	
<b>Compressor Model</b>	KTF310D43UMT	
<b>Refrigerant</b>	R454B	
<b>Refrigerant Oil Charge (mL)</b>	1000	
<b>Refrigerant Oil</b>	VG74	
<b>Outdoor Air Flow (Max) (CFM)</b>	2148	
<b>Outdoor Noise Level (dBA)</b>	61	
<b>Dimension (WxDxH)</b>	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
<b>Package (WxDxH)</b>	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
<b>Net/Gross Weight</b>	lbs	168.43 / 179.67
	kg	76.4 / 81.5

ELECTRICAL	
<b>Power Supply</b>	208/230V, 60Hz, 1Ph
<b>System MCA</b>	30
<b>Connection Wiring</b>	AWG 14-4
<b>System MOCP</b>	35
<b>Compressor RLA</b>	17
<b>Outdoor Fan Motor RLA</b>	1.3
<b>Outdoor Fan Motor W</b>	120
<b>Indoor Fan Motor RLA</b>	/
<b>Indoor Fan Motor W</b>	/
<b>System Power Input @ Cooling (W)</b>	2125 / (500 ~ 3620)
<b>System Power Input @ Heating (W)</b>	2082 / (500 ~ 3400)
<b>MCA: Min. circuit amps (A)</b>	<b>MOCP: Max. over current protection (A)</b>
<b>RLA: Rated load amps (A)</b>	<b>W: Fan motor rated output (W)</b>

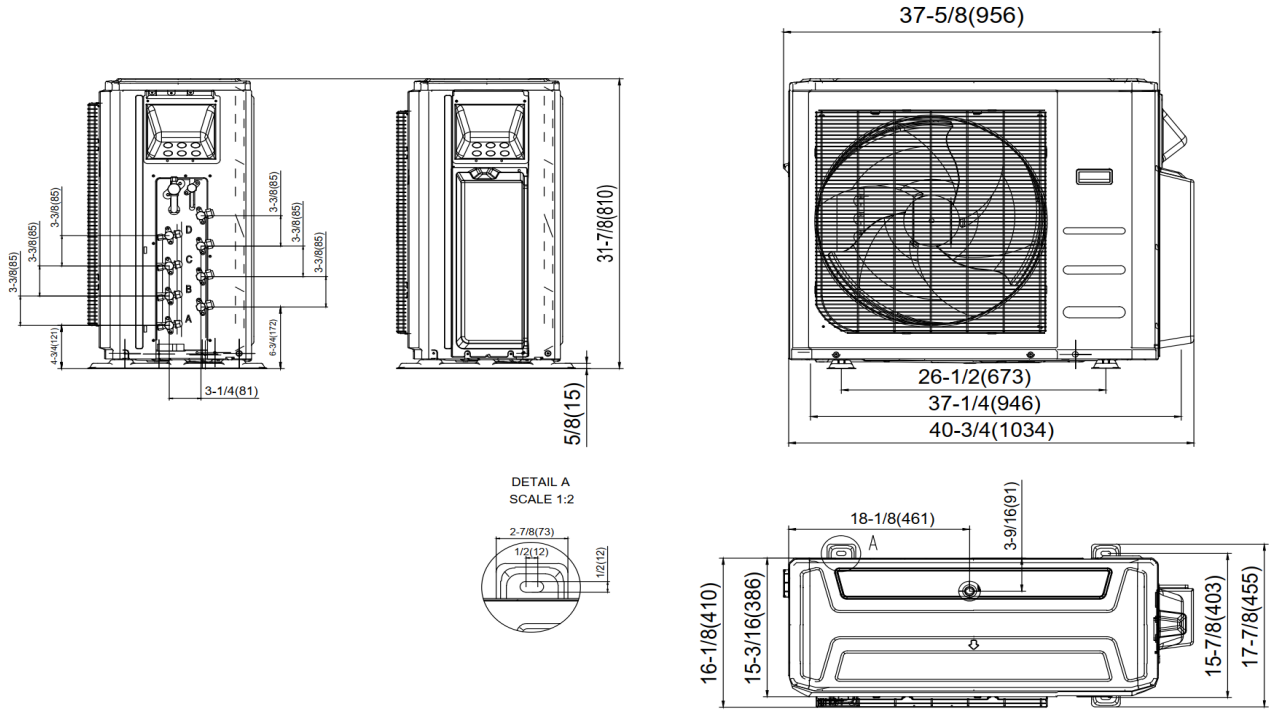
EFFICIENCY			
Cooling		Heating	
<b>SEER2</b>	21.0	<b>HSPF2-4</b>	10.0
<b>EER2</b>	12	<b>COP</b>	3.8

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
<b>Rated Capacity</b>	27000
<b>Min/Max Capacity</b>	7200 ~ 37000
<b>Moisture Removal (L/h)</b>	0.8
<b>Standard Operating Range (°F/°C)</b>	-22 ~ 122 / (-30 ~ 50)
<b>Rated Cooling Conditions:</b>	Indoor: 80°F DB / 67°F WB Outdoor: 95°F DB / 75°F WB

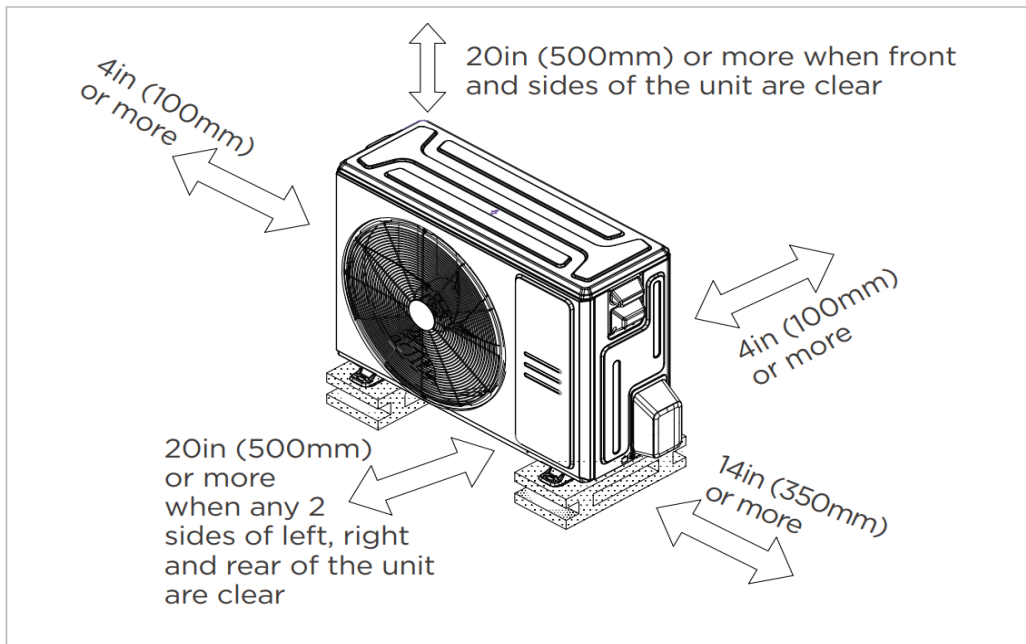
PERFORMANCE of Heating	
Heating (Btu/hr)	
<b>1. @ 47°F Rated</b>	27000
<b>1. @ 47°F Min/Max Capacity</b>	8400 ~ 36000
<b>2. @ 17°F Rated (H32)</b>	25000
<b>3. @ 5°F Rated: Capacity / COP (H42)</b>	27000 / 1.9
<b>3. @ 5°F Max: Capacity</b>	27000
<b>Standard Operating Range (°F/°C)</b>	-22 ~ 75 / (-30 ~ 24)
<b>1. Conditions:</b>	Indoor: 70°F DB / 60°F WB Outdoor: 47°F DB / 43°F WB
<b>2. Conditions:</b>	Indoor: 70°F DB / 60°F WB Outdoor: 17°F DB / 15°F WB
<b>3. Conditions:</b>	Indoor: 70°F DB / 60°F WB Outdoor: 5°F DB / 5°F WB

PIPING	
<b>Liquid Size</b>	4 x 6.35mm (4 x 1/4in)
<b>Gas Size</b>	3 x 9.52mm + 1 x 12.7mm (3 x 3/8in + 1 x 1/2in)
<b>Max. Piping Length for all rooms (ft/m)</b>	262.4 / (80)
<b>Max. Piping Length for one IDU (ft/m)</b>	114.8 / (35)
<b>Max. Height Difference of IDU and ODU (ft/m)</b>	49.2 / (15)
<b>Refrigerant Pre-charged Amount (oz/kg)</b>	120.63 / (3.42)
<b>Refrigerant Precharge Length (ft/m)</b>	24.6 (7.5) x 4
<b>Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft) / (g/m))</b>	0.16 / (15)
<b>Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft) / (g/m))</b>	0.32 (30)
<b>Connection Method</b>	Flared

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.