SUBMITTAL DATA SHEET

Indoor KEENULDAH36AA **Outdoor** KEENULDHP36AA

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

INDOOR SPECIFICATION		
ESP (in WG)		0 ~ 1.0
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1236.1 / 1147.8 / 1059.5 / 971.2 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		N/A / 49.5 / 48/ 31.5 / N/A
Dimension (W×D×H)	inch	21.50 x 17.52 x 53.98
	mm	546.0 x 445.0 x 1371
Package (W×D×H)	inch	57.09 x 20.47 x 31.10
	mm	1450 x 520 x 790
Net/Gross Weight	lbs	149.25 / 182.10
	kg	67.7 / 82.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		MTH356UKRC8FQL
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1300
Refrigerant Oil		HAF68D1A
Outdoor Air Flow (Max) (CFM)		3001.9
Outdoor Noise Level (dBA)		62.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946.0 x 410.0 x 810.0
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	166.67 / 176.37
	kg	75.6 / 80.0

EFFICIENCY			
Cooling		Heating	
SEER2	17.7	HSPF2-4	10.0
EER2	12.0	COP	3.60

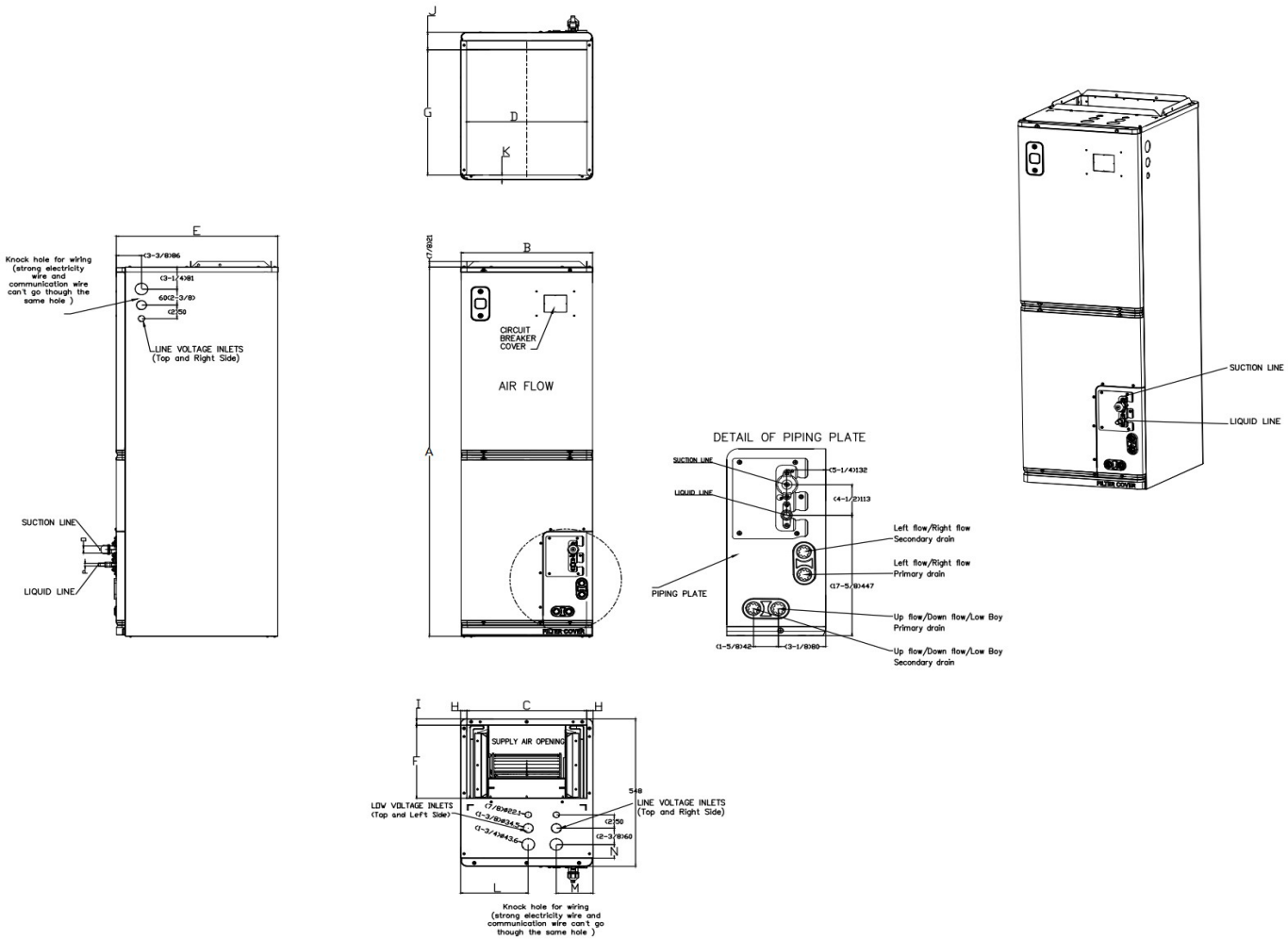
ELECTRICAL	
Indoor Power Supply	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V / (208/230V)	8.0 / 6.0
Indoor MOP	15
Outdoor Power Supply	208/230V, 60Hz, 1Ph
Outdoor MCA	26
Outdoor MOP	30
Communication Wiring	AWG 20-2
Compressor RLA	18
Outdoor Fan Motor RLA	3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	N/A
System Power Input @ Cooling (W)	3000 (1180 ~ 3930)
System Power Input @ Heating (W)	2930 (645 ~ 3110)
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	14800 ~ 41700
Moisture Removal (L/h)	3.39
Standard Operating Range (°F/°C)	-22 ~ 122 (-30~50)
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	36000
2. @ 47°F Min/Max Capacity	10700 ~ 38400
3. @ 17°F Rated	24600
4. @ 5°F Rated: Capacity / COP	32600 / 2.06
5. @ 5°F Max: Capacity	32600
Standard Operating Range (°F/°C)	-22 ~ 75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB / 60°F WB
	Outdoor: 47°F DB / 43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB / 60°F WB
	Outdoor: 17°F DB / 15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB / 60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB / 5°F WB

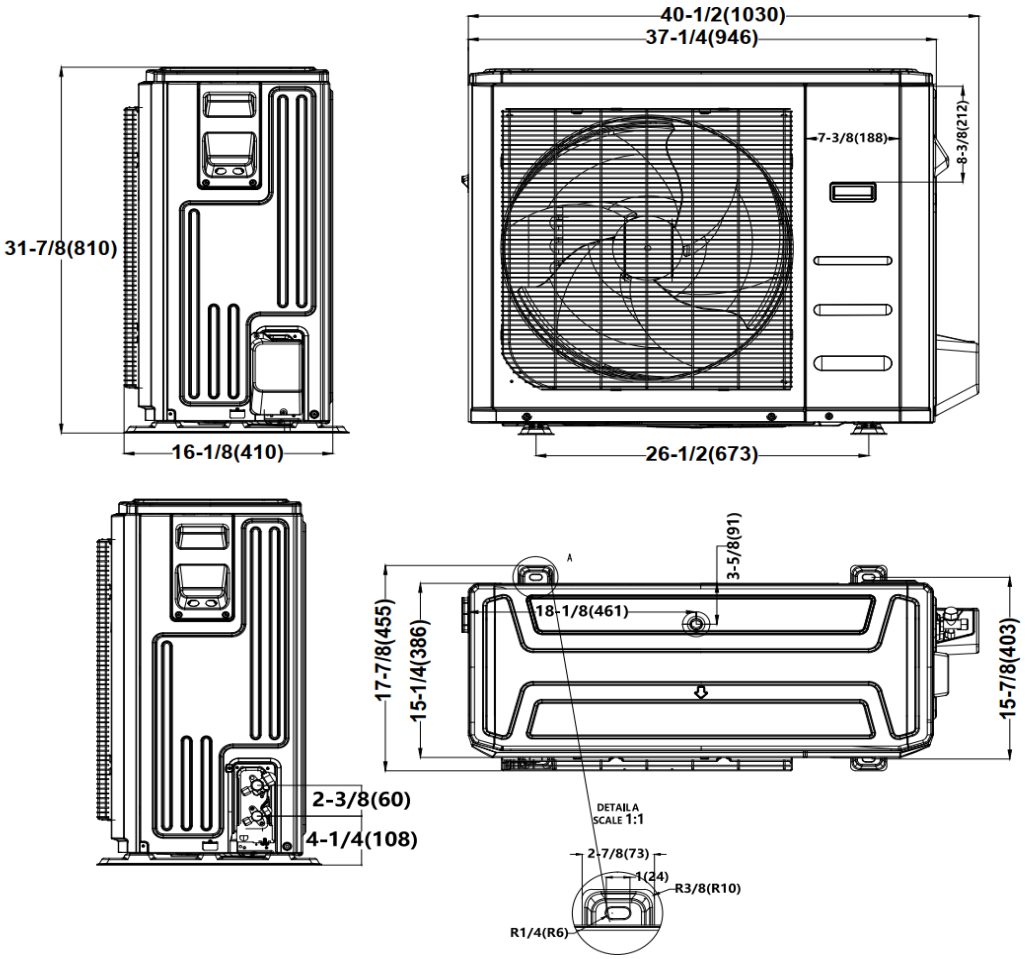
PIPING	
Throttle type (Indoor)	EXV
Throttle type (Outdoor)	EXV
Liquid Size	9.52mm (3/8in)
Gas Size	19mm (3/4in)
Max. Piping Length (ft/m)	213.2 (65)
Max. Height Difference (ft/m)	98.4 (30)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	126.99 (3.6)
Additional Charge of Refrigerant ((oz/ft) / (g/m))	0.7 (65)
Connection Method	Flared

Indoor Unit Dimension

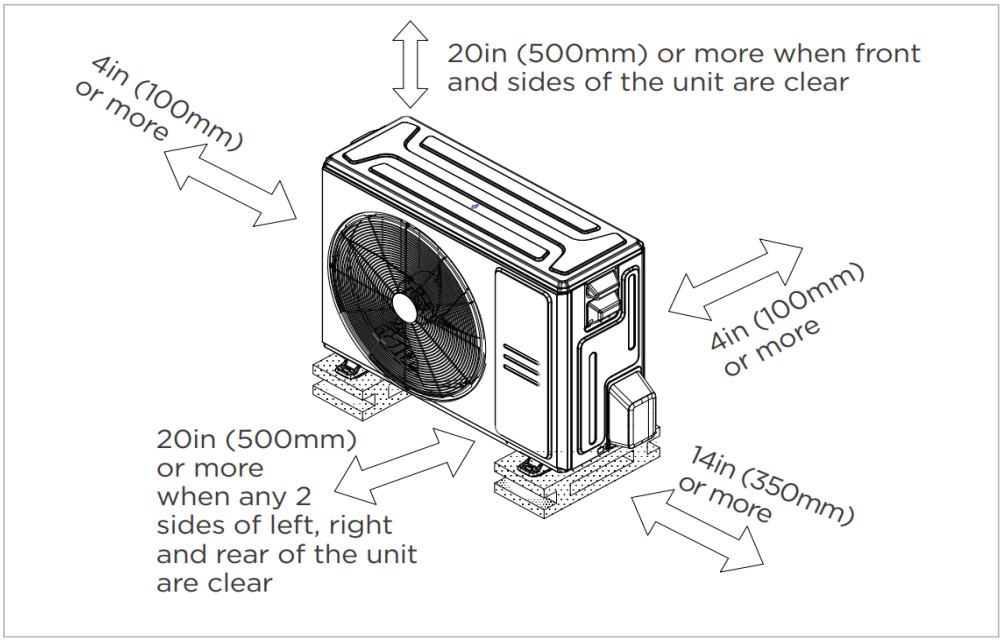


Dimensions	Model(Btu/h)	18K/24K		30K/36K		48K/54K	
		inch	mm	inch	mm	inch	mm
A	Model Height	49-3/4	1263	54	1371	56	1421
B	Model Width	14-1/2	368	17-1/2	445	21-1/2	546
C	Supply Air Opening Width	12-7/8	328	16	405	19-7/8	506
D	Return Air Opening Width	13	331	16	407	20	509
E	Model Depth	21-1/2	546	21-1/2	546	21-1/2	546
F	Supply Air Opening Depth	10-5/8	271	10-5/8	271	10-5/8	271
G	Return Air Opening Depth	18-1/4	465	18-1/4	465	18-1/4	465
H	Supply Air Opening Clearance	7/8	22	7/8	22	7/8	22
I	Supply Air Opening Clearance	1	24	1	24	1	24
J	Return Air Opening Front Clearance	2-1/2	65	2-1/2	65	2-1/2	65
K	Return Air Opening Back Clearance	3/4	18	3/4	18	3/4	18
L	Top cover knock hole	/	/	9	229	10-7/8	275
M	Top cover knock hole	4-1/2	113	4-7/8	124	5-1/8	131
N	Top cover knock hole	2	51	2	51	1-5/8	41
O	Refrigerant piping flareconnection(gas)	3/4	19	3/4	19	3/4	19
P	Refrigerant piping flareconnection(liquid)	3/8	9	3/8	9	3/8	9

Outdoor Unit Dimension

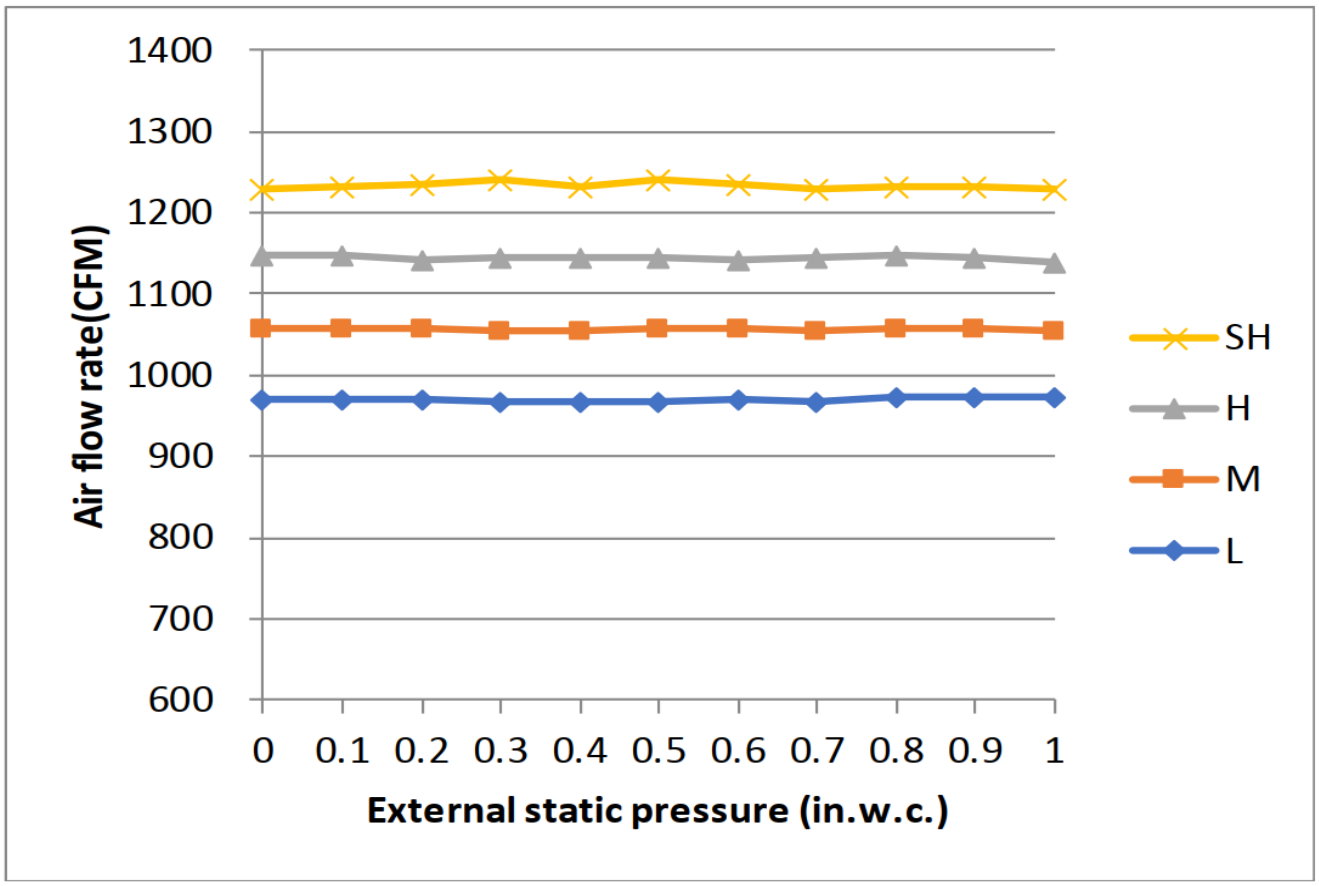


Installation Instruction For Outdoor Unit



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

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal (left or right), vertical (up or down)
- 115/230V voltage compatible for IDU
- Aluminum Coil
- Constantly Air Flow system up to 1.0 In.W.G
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi: 120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- Adaptive Control System
- High efficiency up to 19 SEER2, 12.5 EER2, 10.8 HSPF2
- 100% heat output at -13F*
- Chassis heater and crankcase heater equipped as standard

* For MVBDM-36HWFN10-WB3-D pairing with MOX630-36HFN10-M3X, rated cooling capacity/heating capacity at -13F=100%