

SUBMITTAL DATA SHEET

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



INDOOR SPECIFICATION		
ESP(in.W.G)		0-0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		618.0 / 576.8 / 529.7 / 488.5 / N/A
Dimension (WxDxH)	inch	17.52 x21.02 x 45.00
	mm	445.0x534.0x1143.0
Package (WxDxH)	inch	26.57 x 20.87 x 48.62
	mm	675x530x1235
Net/Gross Weight	lbs	105.82/126.76
	kg	48/57.5

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1765.7
Outdoor Noise Level (dBA)		59
Dimension (WxDxH)	inch	35.04 x 13.46 x 26.50
	mm	890.0x342.0x673.0
Package (WxDxH)	inch	39.17 x 15.67 x 29.13
	mm	995x398x740
Net/Gross Weight	lbs	101.41/109.13
	kg	46/49.5

EFFICIENCY			
Cooling		Heating	
SEER2	19.0	HSPF2-4	9.7
EER2	12.5	COP	3.20

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	5600~22000
Moisture Removal(L/h)	1.65
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

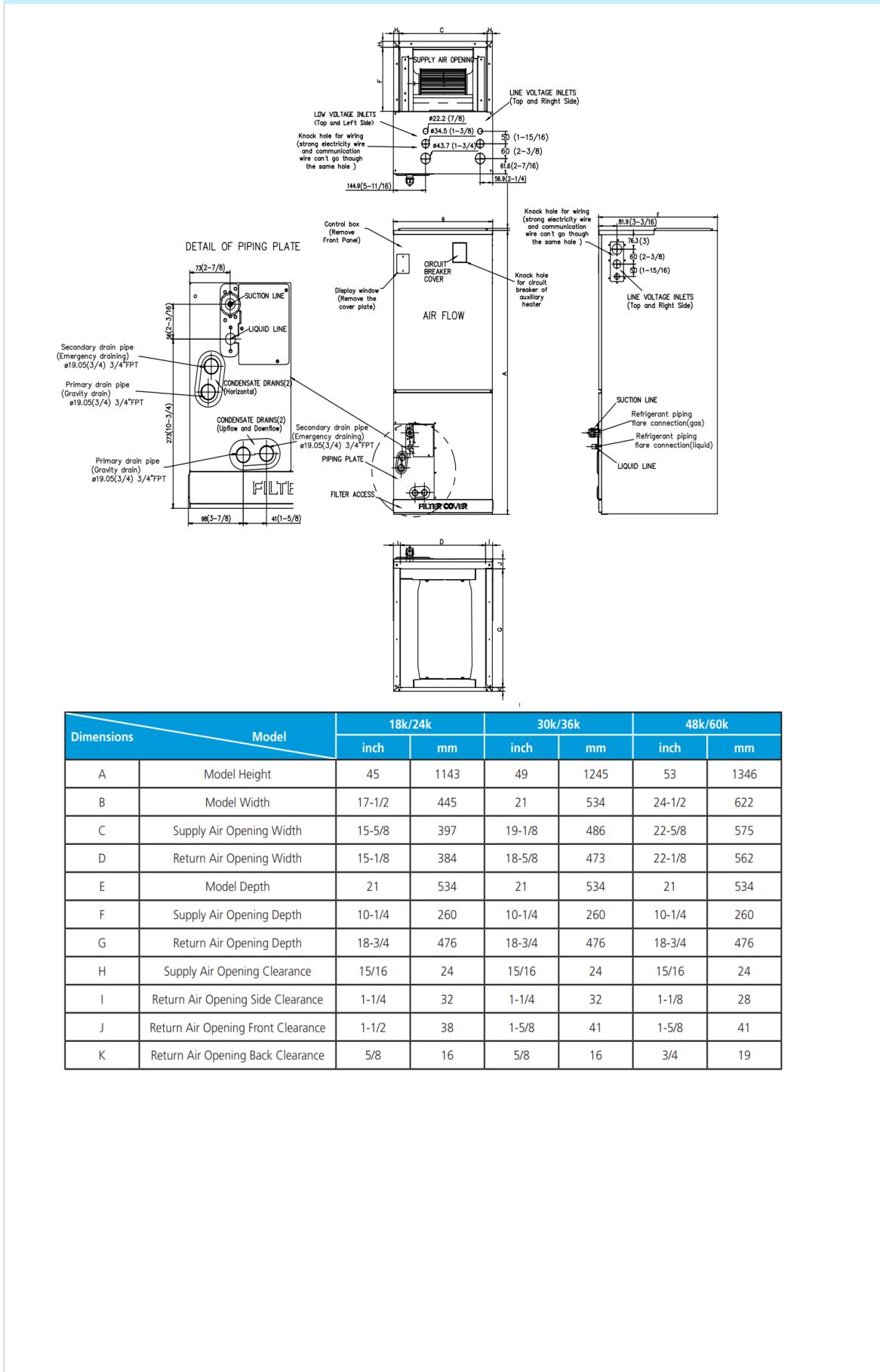
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	19000
1. @ 47°F Min/Max Capacity	6000~22000
2. @ 17°F Rated	15000
3. @ 5°F Rated: Capacity / COP	18000/2
3. @ 5°F Max: Capacity	18000
Standard Operating Range(°F/°C)	-22~75(-30~24)

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 Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

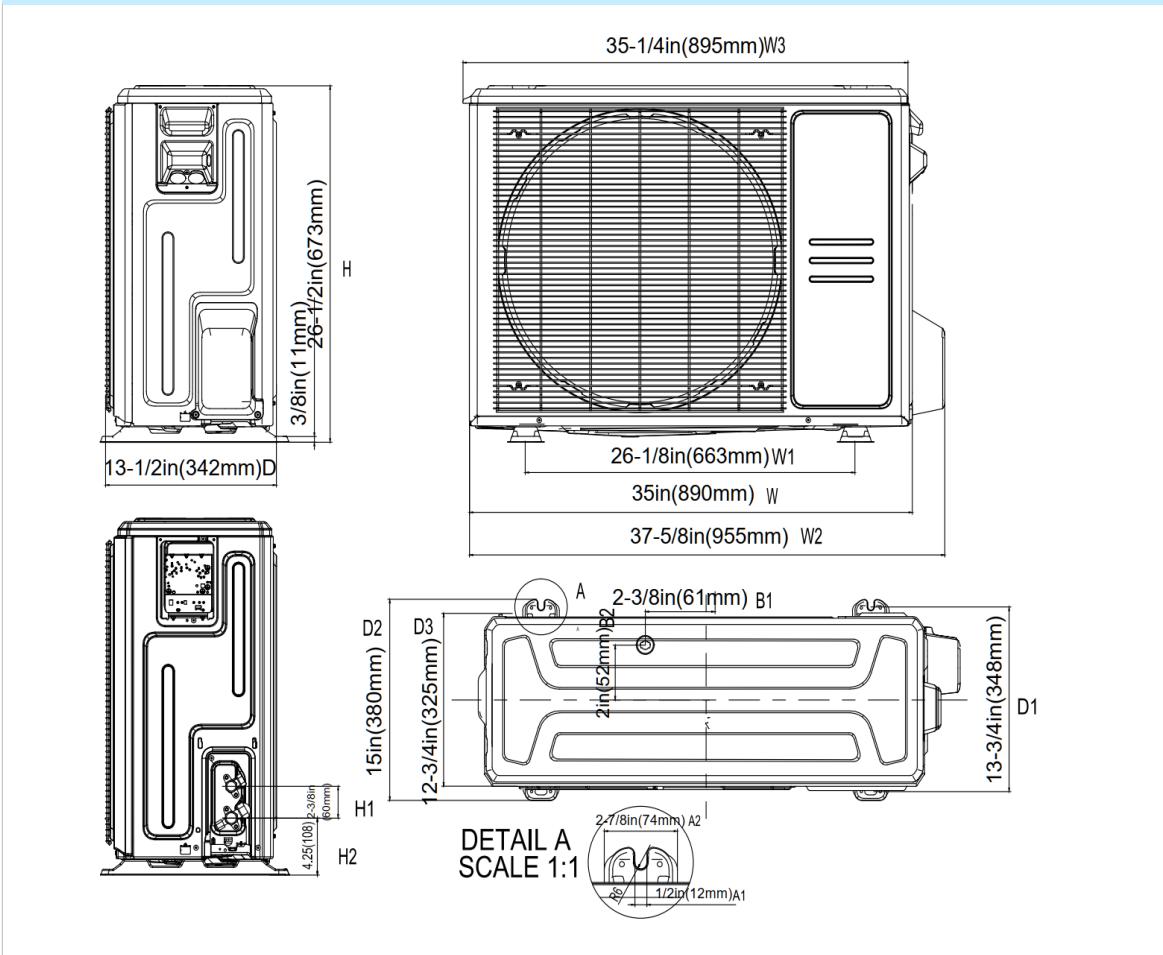
ELECTRICAL		
Indoor Power Supply		115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)		5.5/4.0
Indoor MOP		15
Outdoor Power Supply		208/230V,60Hz,1Ph
Outdoor MCA		16
Outdoor MOP		20
Communication Wiring		AWG 20-2
Compressor RLA		10.5
Outdoor Fan Motor RLA		0.9
Outdoor Fan Motor W		80
Indoor Fan Motor RLA		2
Indoor Fan Motor W		250
System Power Input @ Cooling (W)		1445(440 ~ 1950)
System Power Input @ Heating (W)		1740(500 ~ 1950)
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)		EXV
Throttle type(Outdoor)		EXV
Liquid Size		9.52mm(3/8in)
Gas Size		19mm(3/4in)
Max. Piping Length(ft/m)		98.4(30)
Max. Height Difference(ft/m)		65.6(20)
Max. Pre-charged Length(ft/m)		24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)		74.08(2.1)
Additional Charge of Refrigerant((oz/ft)/(g/m))		0.7(65)
Connection Method		Flared

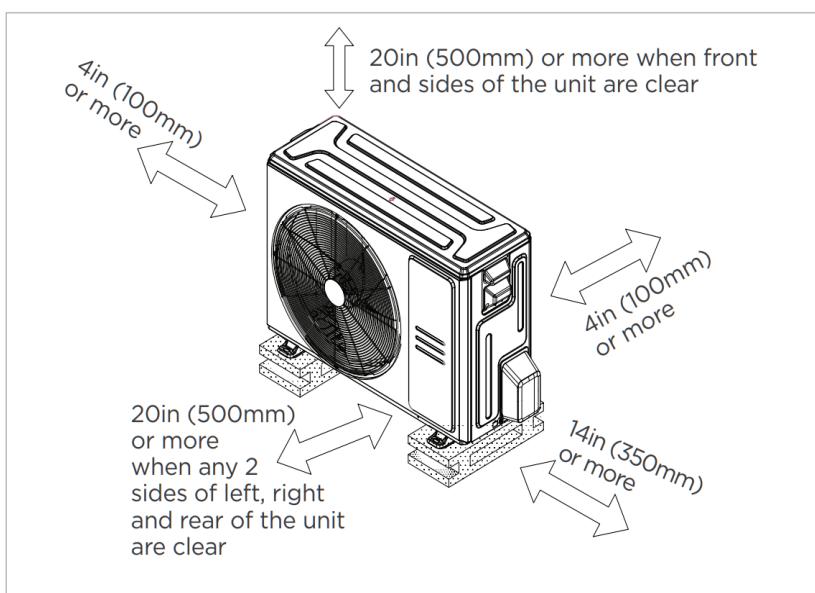
Indoor Unit Dimension



Outdoor Unit Dimension

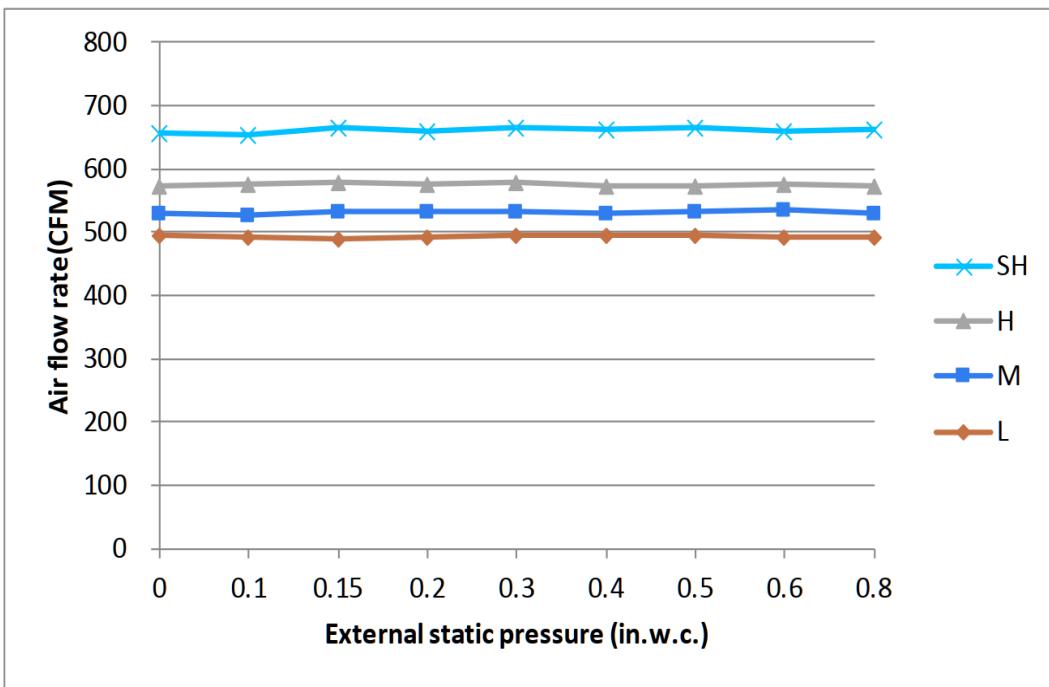


Installation Instruction For Outdoor Unit



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)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- 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, 10.3 HSPF2
- 100% heat output at -4F*
- Chassis heater and crankcase heater equipped as standard

* For 36K model, rated cooling capacity/heating capacity at -4F=100%