

SUBMITTAL DATA SHEET



Series Name: Regular Heat AHU Series Evaporators
Model Number: **AH18H525ZMI, AH24H525ZMI, AH30H525ZMI, AH36H525ZMI**

Air Handler Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



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
- High efficiency up to 19.7 SEER2, 12.1 EER2, 9.8 HSPF2
- Chassis heater and crankcase heater equipped as standard

Product Number		AH18H525ZMI	AH24H525ZMI	AH30H525ZMI	AH36H525ZMI
Power Supply(Volts; Hz; Phase)		208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Voltage Range	V	187-253	187-253	187-253	187-253
Cooling Capacity	Btu/h	18000	24000	30000	36000
Cooling Input	W	1475	2051	2730	4186
Cooling Current	A	6.7	9.3	12.5	18.2
Indoor MINIMUM CIRCUIT AMPACITY	A	3.5	4.0	6.0	6.0
Indoor MAX.FUSE	A	15	15	15	15
Outdoor MINIMUM CIRCUIT AMPACITY	A	18.0	24.0	28.0	33.0
Outdoor MAX.FUSE	A	20	25	30	35
Connection wiring		AWG 14-4	AWG 14-4	AWG 14-4	AWG 14-4
SEER2	Btu/h/W	18.5	19.7	17.0	16.0
EER2	Btu/h/W	12.1	11.7	11.0	8.5
HSPF2-4	Btu/h/W	9.8	9.0	8.7	7.7
HSPF2-5	Btu/h/W	7.7	7.3	7.0	6.0
COP	W/W	3.60	3.53	3.60	3.20
Liquid side	mm(inch)	6.35mm(1/4in)	9.52mm(3/8in)	9.52mm(3/8in)	9.52mm(3/8in)
Gas side	mm(inch)	12.7mm(1/2in)	15.9mm(5/8in)	15.9mm(5/8in)	15.9mm(5/8in)
Max. refrigerant pipe length	m	30	50	50	65
Max. Height Difference	ft	65.6	82.0	82.0	98.4

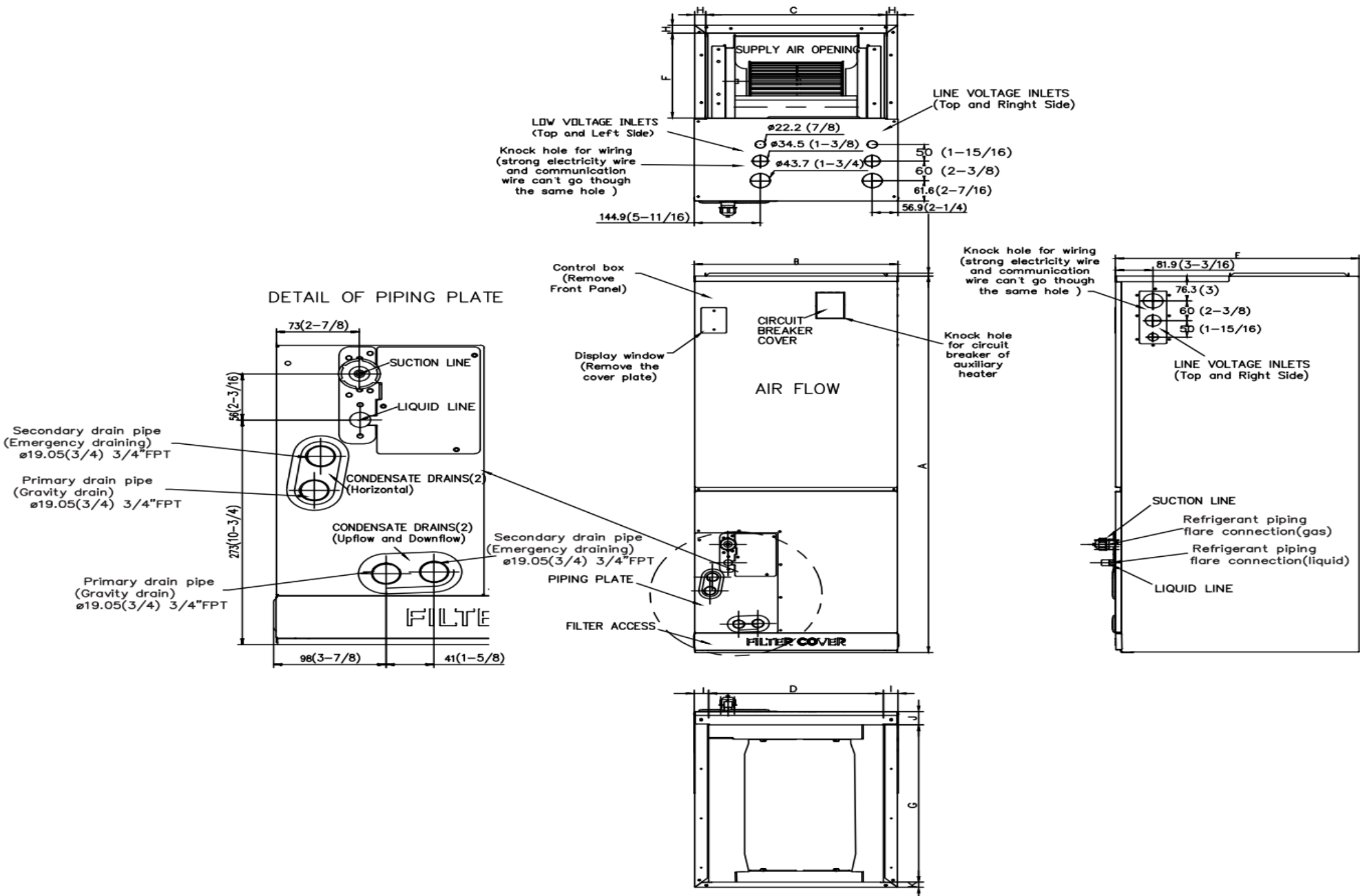
Performance Specs

Product Number		AH18H525ZMI	AH24H525ZMI	AH30H525ZMI	AH36H525ZMI
Cooling Capacity Range	Btu/h	5600~20400	6700~29600	9200~34000	10600~37700
Cooling Input (range)	W	470 ~ 1850	600 ~ 2840	300 ~ 3400	910 ~ 4630
Cooling Current(range)	A	3.1 ~8.5	2.8 ~12.5	2.51 ~15.0	4.3 ~20.4
Heating Capacity	Btu/h	18000	25000	30000	37000
Heating Input	W	1465	2076	2440	3390
Heating Current	A	6.7	9.2	11.2	14.7
Heating Capacity Range	Btu/h	5500~21800	5800~33800	8500~33000	5000~38800
Heating Input(range)	W	325 ~1800	410 ~2950	370 ~2700	470 ~3530
Heating Current(range)	A	1.8 ~8.5	2.2 ~12.9	2.92 ~11.9	2.6 ~15.5
Moisture removal	kg/h	1.7	2.6	3.5	3.12

Indoor Unit Specifications

Product Number		AH18H525ZMI	AH24H525ZMI	AH30H525ZMI	AH36H525ZMI
Indoor Indoor fan motor RLA	A	2.3	3.0	4.5	4.5
Indoor Indoor air flow (Turbo/Hi/Mi/Lo/Si)	m³/h	1050 / 980 / 900 / 830 / N\A	1400 / 1290 / 1180 / 1070 / N\A	1680 / 1520 / 1370 / 1210 / N\A	2020 / 1840 / 1650 / 1470 / N\A
Indoor Indoor air flow (Turbo/Hi/Mi/Lo/Si)	CFM	18.0 / 576.8 / 529.7 / 488.5 / N\A	824.0 / 759.3 / 694.5 / 629.8 / N\A	988.8 / 894.7 / 806.4 / 712.2 / N\A	89.0 / 1083.0 / 971.2 / 865.2 / N\A
Indoor noise level (Turbo/Hi/Mi/Lo/Si)	dB(A)	N\A/42/39.5/33/N\A	N\A/43.5/41.5/28.5/N\A	N\A/44/41/26/N\A	N\A/48/45/31/N\A
N.A. Design pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340
Indoor Operating Temp. Range(Cooling)	°T	60~90	60~90	60~90	60~90
Indoor Operating Temp. Range(Heating)	°T	32-86	32-86	32-86	32-86
Indoor Item Net/Gross weight	lb	104.72/125.66	104.28/125.88	127.43/151.68	127.87/154.10
Indoor Unit Dimension WxDxH	inch	21.02 x 17.52 x 45.00	21.02 x 17.52 x 45.00	21.02 x 21.02 x 49.02	21.02 x 21.02 x 49.02

Indoor Unit Dimension



Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Fan Performance For Indoor Unit

