

SUBMITTAL DATA SHEET



AHU Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Code 22023110000527
 Indoor unit code 22023111000251
 Outdoor unit code 22023116000164

Set Model BMAH3618
 Indoor unit model BMAH3618I
 Outdoor unit model BMAH3618C

Certified AHRI
 UL



SYSTEM PERFORMANCE DATA

Power supply
 Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical
 Minimum circuit ampacity (A) 41
 Max.fuse (A) 50

Cooling
 Rated Capacity (Btu/h) 36000
 Capacity Range (Btu/h) 12000~47400
 Power Input (W) 3300
 Rated current (A) 14.8
 SEER (Btu/W) 18
 EER (Btu/W) 10.5

Heating at 47F
 Rated Capacity (Btu/h) 40000
 Capacity Range (Btu/h) 9000~57200
 Power Input (W) 3400
 Rated current (A) 14.8
 HSPF4 (Btu/W) 10.5
 HSPF5 (Btu/W) 8.5
 COP W/W 3.45

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling
	Outdoor unit	EEV for heating
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/165.79
Refrigerant precharge (ft)		25.0
	(m)	7.5
Additional charge for each (oz/ft)		0.69
	(g/m)	65
Liquid side/ Gas side (inch)		3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length (ft)		213.0
	(m)	65

INDOOR UNIT DATA

Indoor fan motor
 Type Centrifugal
 Model ZKFD-375-8-1
 Qty 1
 Input (W) 168.0
 RLA (A) ---
 LRA (A) ---
 Winding Resistance (Ω) ---
 Capacitor (uF) ---
 Speed(Hi/Mi/Lo) (r/min) -

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (CFM) 1082.35/970.59/864.71
 Indoor noise level (Hi/Med/Lo) [dB(A)] 46.8/44/41.3

Dehumidification (Pint/H) ---

Indoor unit
 Dimension (WxDxH) (inch) 21.02x21.02x49.02
 (mm) 534x534x1245
 Packing(WxDxH) (inch) 25.20x24.41x54.33
 (mm) 640x620x1380
 Net/Gross weight (lbs.) 129.19/155.64
 (kg) 58.6/70.6

OUTDOOR UNIT DATA

Compressor
 Type ROTARY
 Model EAPQ420D1UMUA
 Brand GMCC
 Capacity (Btu/h) 44015
 Input (W) 3565
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) 460±15ml ESTER OIL VG74

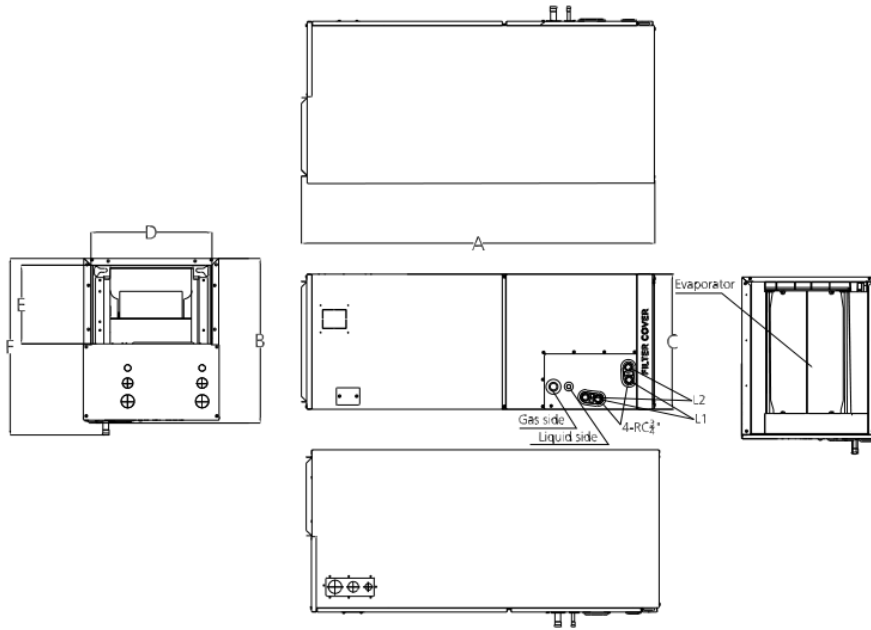
Outdoor fan motor
 Model ZKFN-85-8-22-5
 Qty 2
 Input (W) 126.0
 RLA (A) ---
 Speed (r/min) 850/750/650

Air flow & Noise level

Max. difference in level	(ft)	98.0
	(m)	30
Connection method		Flared
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86
	(Deg. °C)	16~32/0~30
Outdoor(cooling/heating)	(Deg. °F)	-22~122/-22~75
	(Deg. °C)	-30~50/ -30~24
Application area	(sq.ft)	516.67~753.47
	(m2)	48~70

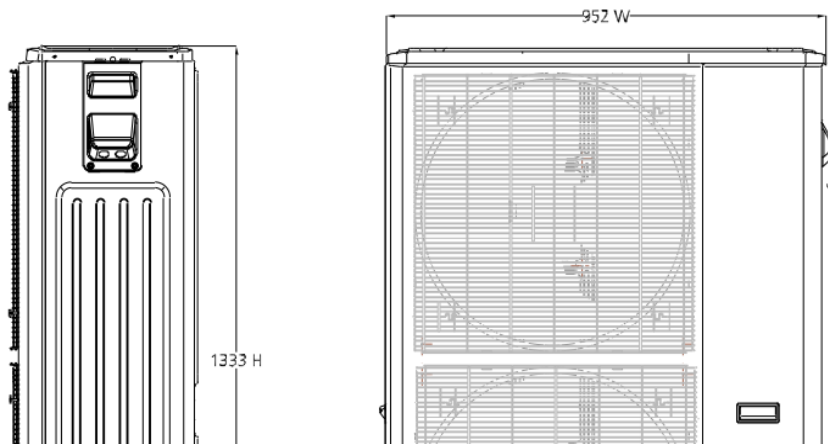
Outdoor air flow (Max.)	(CFM)	4500.00
Outdoor noise level	[dB(A)]	64
Outdoor unit		
Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	227.07/255.73
	(kg)	103/116

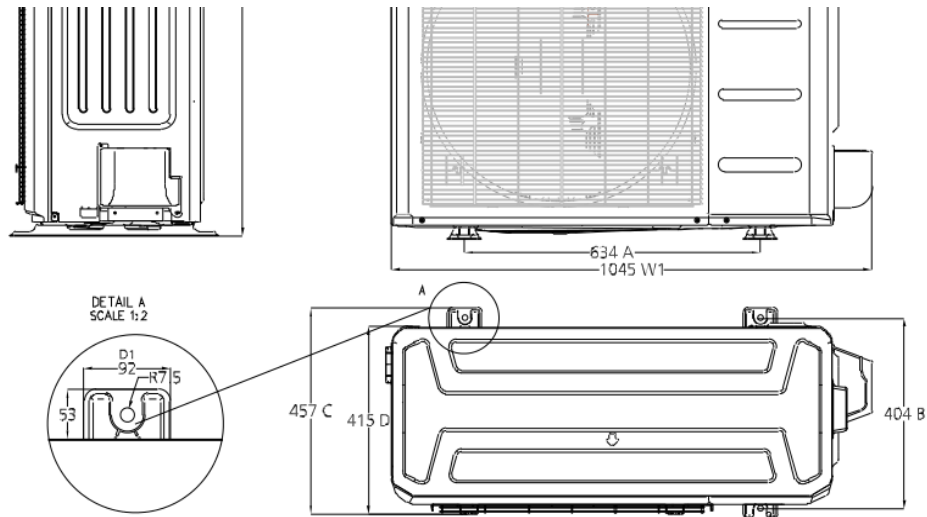
Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k~48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension





Fan performance

