


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

Set Code	/	
Indoor unit code		22023011005476
Outdoor unit code		22023116000081
Set Model		
Indoor unit model		ACIQ-24W-P
Outdoor unit model		ACIQ-24-EHPB
Certified		
	AHRI	
	UL	



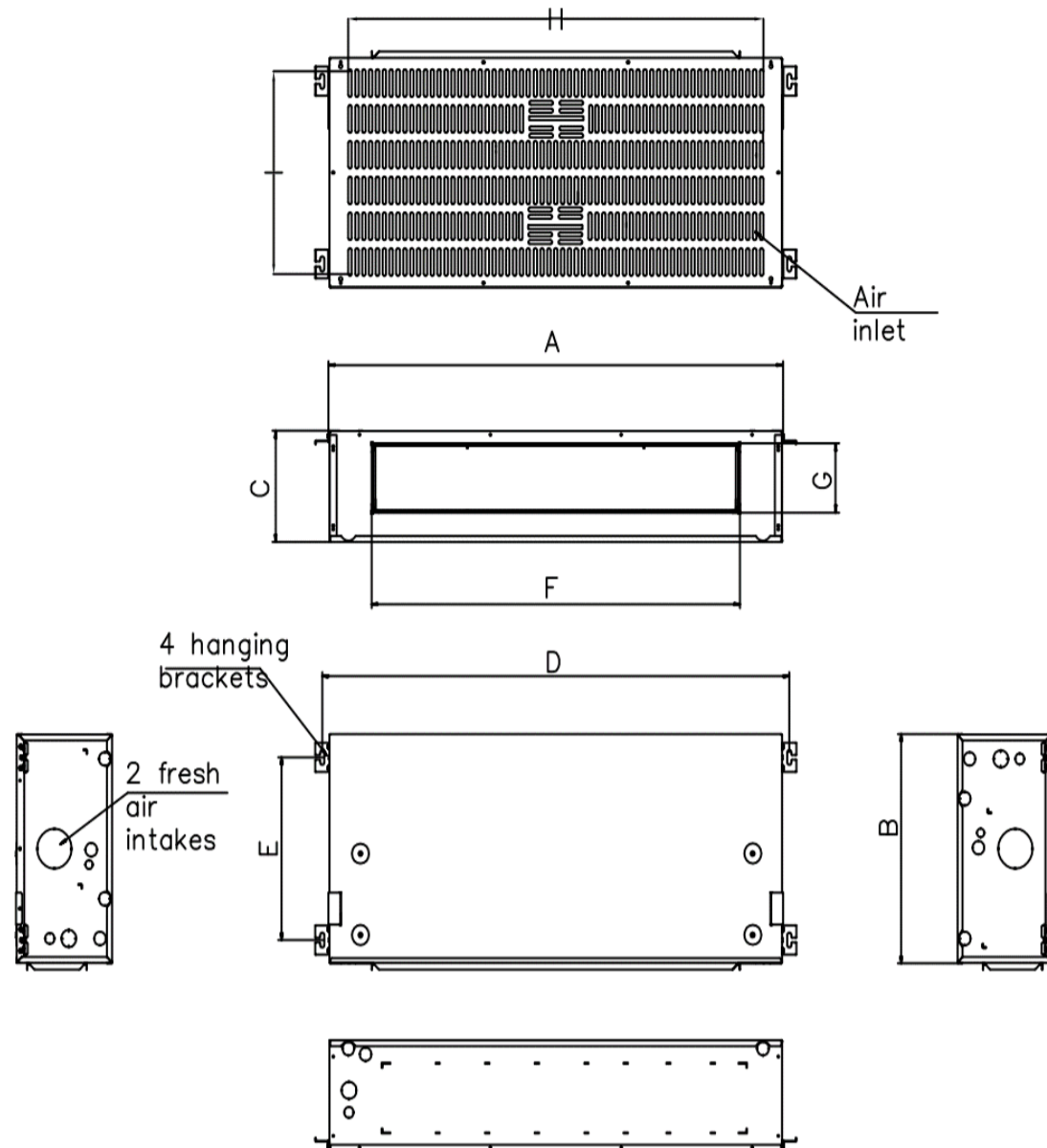
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
Electrical			
Minimum circuit ampacity(Outdoor)	(A)		19.0
Max.fuse(Outdoor)	(A)		30.0
Connection wiring		14AWG*2	Stranded, shielded
Cooling			
Capacity	(Btu/h)		24000
Power Input	(W)		/
Current	(A)		/
SEER2	(Btu/W)		16.0
EER2	(Btu/W)		10.0
Heating			
Capacity	(Btu/h)		26000
Power Input	(W)		/
Current	(A)		/
HSPF2-4	(Btu/W)		8.5
HSPF2-5	(Btu/W)		7.0
COP	W/W		/
Heat at 17F(H32)	(Btu/h)		21000
Heat at 5F(H42)	(Btu/h)		18000
COP at 5F(H42)	W/W		2.00

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	74.08	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.69	
Additional charge for each m	(g/m)	65.0	
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"	
	(mm)	9.52/16	
Max. pipe length	(ft)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
Connection method		Flared	
Indoor(cooling)	(Deg. °F)	60~90	
	(Deg. °C)	16~32	
Indoor(heating)	(Deg. °F)	32~86	
	(Deg. °C)	0~30	
Outdoor(cooling)	(Deg. °F)	5~122	
	(Deg. °C)	-15~50	
Outdoor(heating)	(Deg. °F)	-13~75	
	(Deg. °C)	-25~24	

INDOOR UNIT DATA			
Indoor fan motor			
Model		ZKFD-250-10-2	
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		3.8
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		55/52/45.5
Dehumidification	(L/H)		0
Indoor unit			
Dimension (WxDxH)	(inch)	49.13x23.33x10.93	
	(mm)	1248x592.7x277.6	
Packing(WxDxH)	(inch)	53.15x26.77x13.58	
	(mm)	1350x680x345	
Net/Gross weight	(lbs.)	122.58/136.46	
	(kg)	55.6/61.9	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

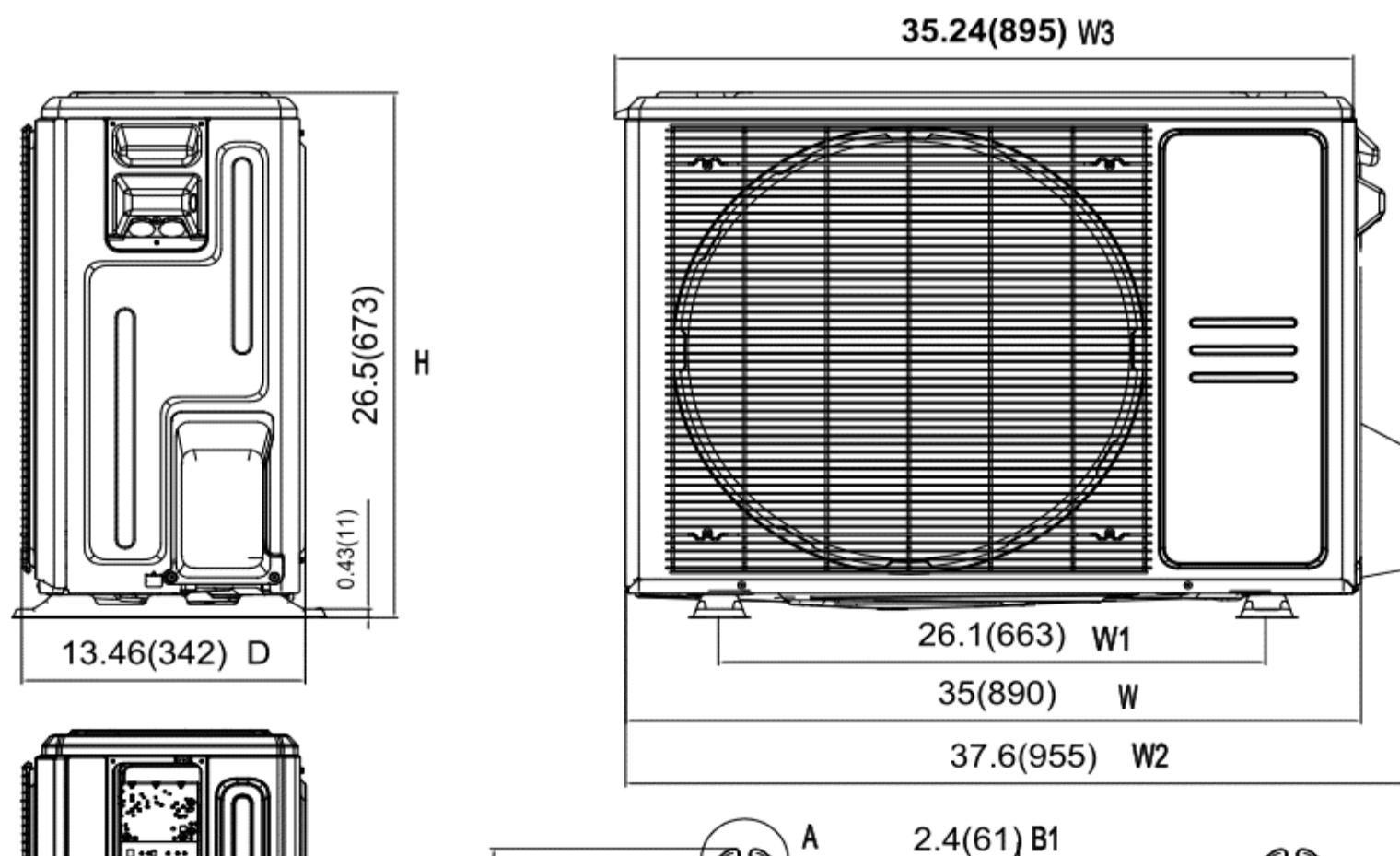
OUTDOOR UNIT DATA			
Compressor			
Type		Twin-ROTARY	
Model		KTM240D57UMT	
Brand		GMCC	
Capacity	(Btu/h)	26409	
Input	(W)	2085	
Rated current (RLA)	(A)	14	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670	
Outdoor fan motor			
Model		ZKFN-80-8-3	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	1.0	
Speed	(r/min)	810/720	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1765	
Outdoor noise level	[dB(A)]	58.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
	(mm)	890x342x673	
Packing (WxDxH)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	102.29/109.13	
	(kg)	46.4/49.5	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1
Adaptor (5/8" to 3/4")	Qty		1

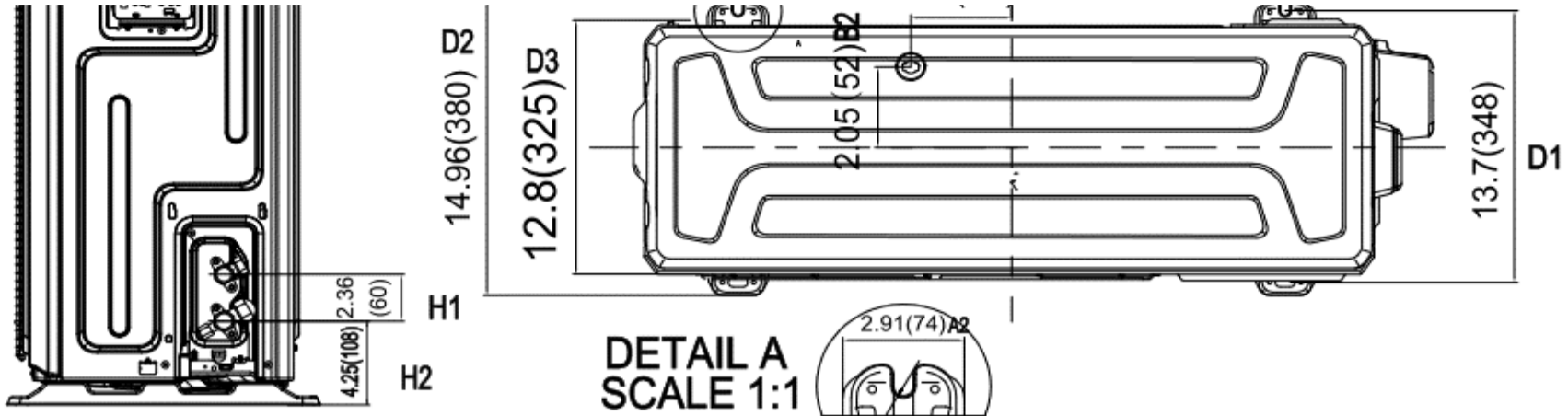
Indoor unit dimension



Dimensions		Model(Btu/h)	18K	24K	30K	36K
			inch	inch	inch	inch
A	Model Length		43-1/4	49-1/8	55-1/4	62-1/8
B	Model Width		23-5/16	23-5/16	23-5/16	23-5/16
C	Model Height		10-15/16	10-15/16	10-15/16	10-15/16
D	MOUNTED LUG Length		41-5/8	47-1/2	53-5/8	60-1/2
E	MOUNTED LUG width		18-1/8	18-1/8	18-1/8	18-1/8
F	AIR OUTLET LENGTH		30-5/16	36-3/16	42-5/16	49-3/16
G	AIR OUTLET WIDTH		6-7/8	6-7/8	6-7/8	6-7/8
H	AIR RETURN LENGTH		38-3/8	44-5/16	50-3/8	57-1/4
I	AIR RETURN WIDTH		21-1/8	21-1/8	21-1/8	21-1/8

Outdoor unit dimension





24K

