

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

Submittal Data Sheet



Indoor unit model	2PAMSDH24
Outdoor unit model	1PAMSHH24-SZO-20.5

PERFORMANCE DATA

Power supply	Ph-V-Hz	208/230V, 1Ph, 60Hz
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Cooling

Capacity	Btu/h	24000
Input	W	1920
Rated current	A	8.52
EER	Btu/w	12.5
SEER	Btu/w	20.5

Heating at 47

Capacity	Btu/h	24000
Input	W	1846
Rated current	A	8.19
COP	W/W	3.81
HSPF4		12.5
HSPF5		10.6

Electrical

MINIMUM CIRCUIT AMPACITY	A	20
MAX. FUSE	A	30
Connection wiring		16*4 AWG

Compressor

Model		ATF235D22UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	24345
Input	W	1970
Rated current(RLA)	A	14
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	POE(VG74)/670

SYSTEM DATA

Design pressure	PSIG	550/340 PSIG
Refrigerant type	oz	R410A/91.7
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.32
Liquid side/ Gas side	mm(in)	Φ9.52/Φ15.9(3/8"/5/8")
Max. refrigerant pipe length	ft	164
Max. difference in level	ft.	82

ESP

ESP range	In. wg.	0-0.64
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INDOOR UNIT DATA

Indoor fan motor

Model		ZKFN-160-8-1-2
Type		DC
Input		90.0
RLA	A	1.5
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed(Hi/Mi/Lo)	r/min	880/820/690

Air flow & Noise level

Indoor air flow (Hi/Lo)	CFM	776/694/435
Indoor noise level (Hi/Lo)	dB(A)	44/41/38

Indoor unit

Dimension(W*D*H)	inch	43.31x30.47x9.80
Packing (W*D*H)	inch	51.38x31.69x12.40
Net/Gross weight	lbs.	90.39/105.82

OUTDOOR UNIT DATA

Outdoor fan motor

Model		ZKFN-120-8-2
Type		DC
Input		150
RLA	A	0.5
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed	r/min	<1000

Air flow & Noise level

Outdoor air flow	CFM	2235.29
Outdoor noise level	dB(A)	59.5

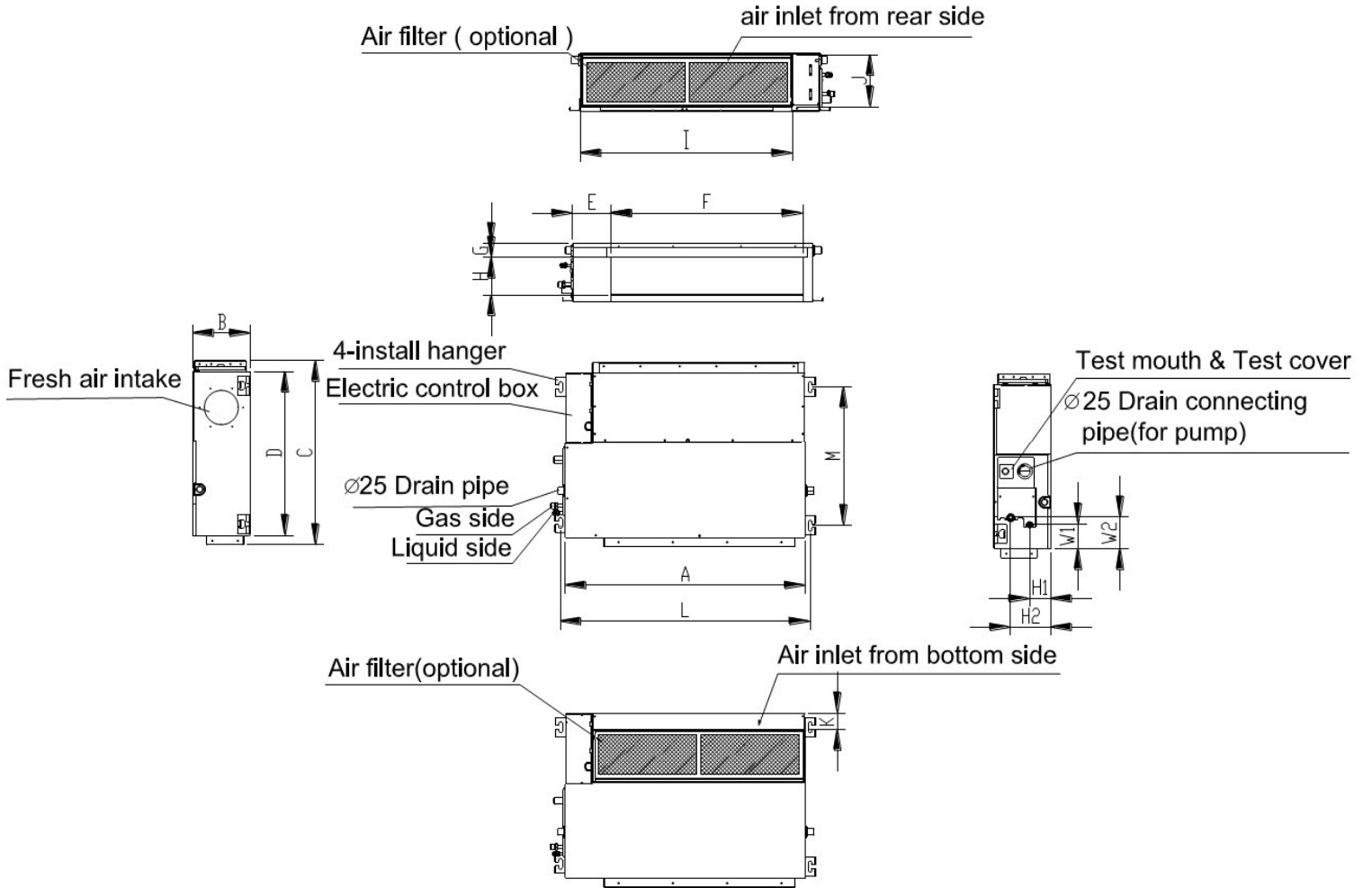
Outdoor unit

Dimension(W*D*H)	inch	37.24x16.14x31.89
Packing (W*D*H)	inch	42.91x19.69x34.45
Net/Gross weight	lbs.	138.89/151.02

Operation temperature

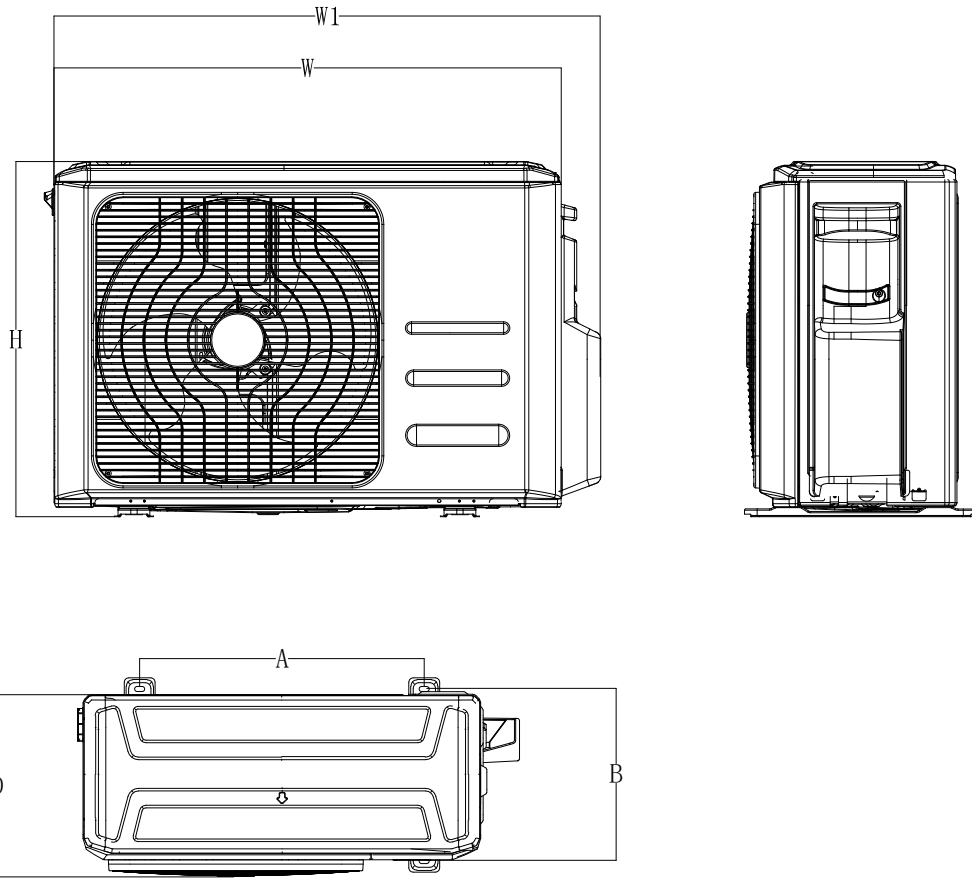
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	-22~122/ -22~86
Application area	sq.ft	344-505

INDOOR UNIT



Capacity (Btu)	Outline				Air outlet opening size				Air return			Size of mounted		Size of gas and liquid			
	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
24000	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155

OUTDOOR UNIT



Model	W (inch)	D (inch)	H (inch)	W1 (inch)	A (inch)	B (inch)
1PAMSHH24-SZO-20.5	37.2	16.1	31.9	40.6	26.5	15.9