



# Submittal

## Split System Cooling

AHU18-SG2

Location: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Submitted to: \_\_\_\_\_  
Submitted by: \_\_\_\_\_  
Reference: \_\_\_\_\_

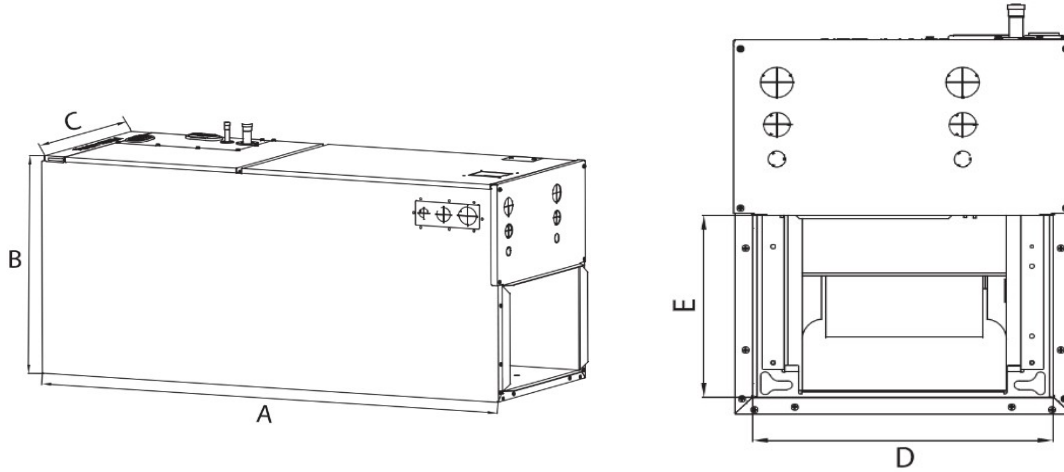
Approval: \_\_\_\_\_  
Date: \_\_\_\_\_  
Construction: \_\_\_\_\_  
Unit # : \_\_\_\_\_  
Drawing # : \_\_\_\_\_



Note:" Graphics in this document are for representation only. Actual model may differ in appearance."

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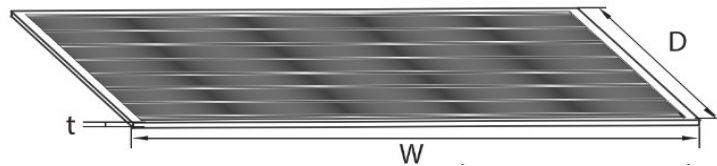
## Indoor unit installation size



(unit:mm/inch)

Dimensions		Model	12K ~ 24K	30K ~ 48K	60K
Length of A	mm		1143	1245	1346
	inch		45	49	53
Length of B	mm		533	533	533
	inch		21	21	21
Length of C	mm		445	533	622
	inch		17-1/2	21	24-1/2
Length of D	mm		400	490	580
	inch		15-3/4	19-5/16	22-27/32
Length of E	mm		260	260	260
	inch		10-1/4	10-1/4	10-1/4

## Recommended size of filter

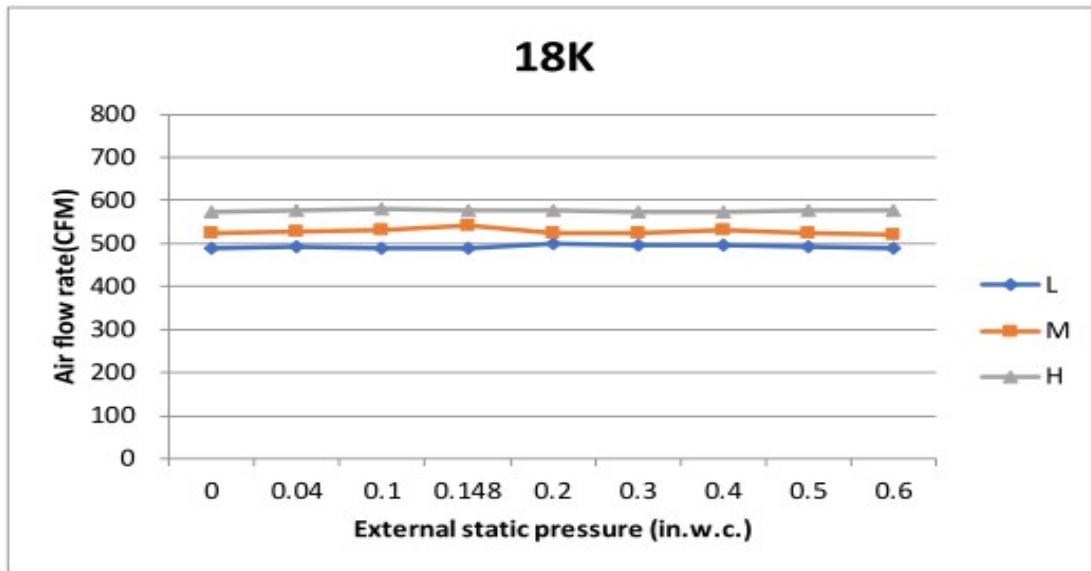


(unit:mm/inch)

Model (Btu/h)			12K ~24K	30K~36K	48K ~60K
Recommended size of filter	W	mm	406.4	495.3	584.2
		inch	16	19-1/2	23
	D	mm	508	508	508
		inch	20	20	20
	t	mm	25.4	25.4	25.4
		inch	1	1	1

SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	16
Max.fuse	(A)	20
Connection wiring		16AWG*2 Stranded, shielded
<b>Cooling</b>		
Rated Capacity	(Btu/h)	18000
Capacity Range	(Btu/h)	5350~18700
Power Input	(W)	1620
Rated current	(A)	7.5
SEER2	(Btu/W)	16
EER2	(Btu/W)	10.9
<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	18000
Capacity Range	(Btu/h)	5600~18700
Power Input	(W)	1510
Rated current	(A)	6.7
HSPF2-4	(Btu/W)	8.8
HSPF2-5	(Btu/W)	6.9
COP	W/W	3.49
<b>Throttle type</b>	Indoor unit	EEV for cooling
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86
	(Deg. °C)	16~32/0~30
Application area	(sq.ft)	258.33~376.74
	(m2)	24~35
<b>INDOOR UNIT DATA</b>		
<b>Indoor fan motor</b>		
Type		Centrifugal
Model		ZKFD-250-8-1
Qty		1
Input	(W)	67.8
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	---
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	576.47/529.41/488.24
Indoor noise level (Hi/Med/Lo)	[dB(A)]	36/34/32
Dehumidification	(Pint/H)	---
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x17.52x45.00
	(mm)	534x445x1143
Packing(WxDxH)	(inch)	25.20x20.87x50.39
	(mm)	640x530x1280
Net/Gross weight	(lbs.)	48/58.7
	(kg)	105.82/129.41

## Fan performance



# ComfortStar®

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