



# Submittal

## Split System Cooling

AHU48-SG2

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

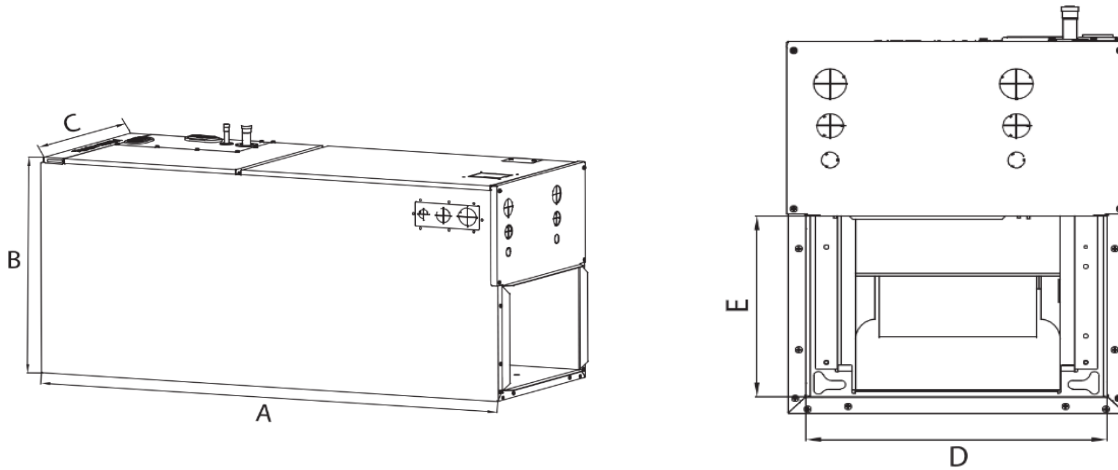
Approval: \_\_\_\_\_  
Date: \_\_\_\_\_  
Construction: \_\_\_\_\_  
Unit # : \_\_\_\_\_  
Drawing # : \_\_\_\_\_



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

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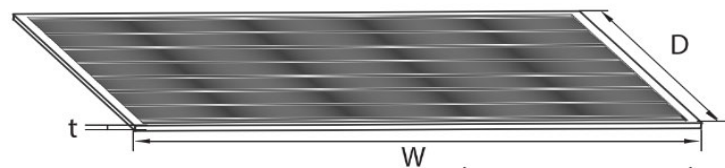
## Indoor unit installation size



(unit:mm/inch)

Dimensions		Model	12K ~ 24K	30K ~ 48K	60K
		Length of A	mm	1143	1245
	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



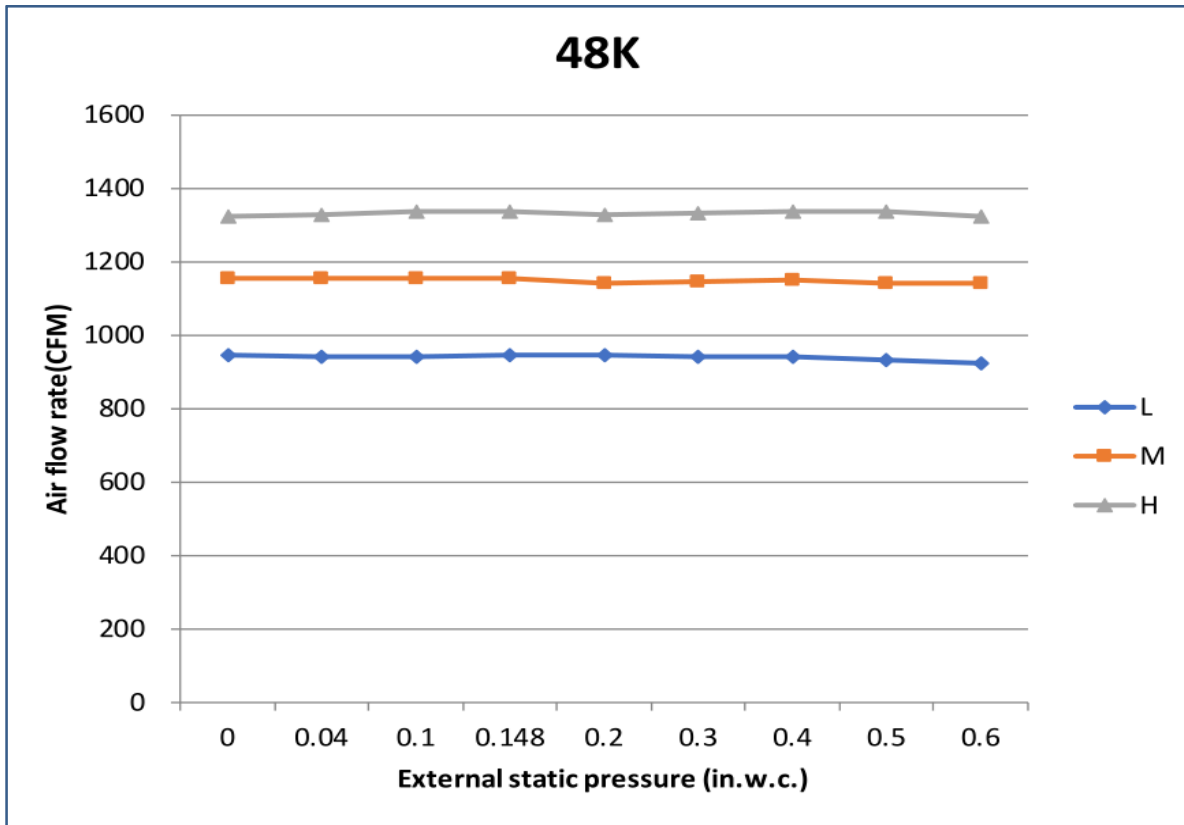
(unit:mm/inch)

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

<b>SYSTEM PERFORMANCE DATA</b>		
<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)	34
Max.fuse	(A)	50
Connection wiring		16AWG*2 Stranded, shielded
<b>Cooling</b>		
Power Input	(W)	5046
Rated current	(A)	21.9
<b>Heating at 47F</b>		
Power Input	(W)	5373
Rated current	(A)	23.3
<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)	688.89~1011.81
	(m2)	64~94
<b>INDOOR UNIT DATA</b>		
<b>Indoor fan motor</b>		
Type		Centrifugal
Model		ZKFD-560-8-1
Qty		1
Input	(W)	235
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)	1282.35/1094.12/905.88
Indoor noise level (Hi/Med/Lo)	[dB(A)]	53/50/46
Dehumidification	(Pint/H)	---
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	25.20x24.41x54.33
	(mm)	640x620x1380
Net/Gross weight	(lbs.)	59.2/70.9
	(kg)	130.51/156.31

Outdoor Unit	Indoor Unit	Cooling Capacity	EER2	SEER2	HSPF2-4	HSPF2-5
CPH48CD(O)	AHU48-SG2	47000(18000~48000)	8.2	15.6	9.4	7.7
CPR48CD(O)	AHU48-SG2	47000(10500~48000)	8.8	15.8	9.4	7.5

## Fan performance



# ComfortStar®

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AHU48-SG2 22th Feb 2023  
Supersedes AHU48-SG2 (Feb.2023)

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