



**iFLOW HEAT PUMP SUBMITTAL DATA SHEET**

iFLOW Cased A-Coil (IDU) & Heat Pump (ODU) System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

<b>Set Code</b>	2202311000769
Indoor unit code	22023111000491
Outdoor unit code	22023116000083
<b>Set Model</b>	
Indoor unit model	70C5460DA
Outdoor unit model	70HPIR60A
<b>Certified</b>	



SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
<b>Electrical</b>			
Minimum circuit ampacity(Outdoor)	(A)		34.0
Max.fuse(Outdoor)	(A)		60.0
Connection wiring			N/A
<b>Cooling</b>			
Capacity	(Btu/h)	53000(13000-55000)	
Power Input	(W)	5874(550-6260)	
Current	(A)	23.8(2.2-25.3)	
SEER2	(Btu/W)		15.2
EER2	(Btu/W)		9.0
<b>Heating</b>			
Capacity	(Btu/h)	54000(15000-63000)	
Power Input	(W)	5050(790-5900)	
Current	(A)	20(4.13-25)	
HSPF2-4	(Btu/W)		8.5
HSPF2-5	(Btu/W)		6.6
COP	W/W		3.13
Heat at 17F(H32)	(Btu/h)		34000
Heat at 5F(H42)	(Btu/h)		32000
COP at 5F(H42)	W/W		1.90

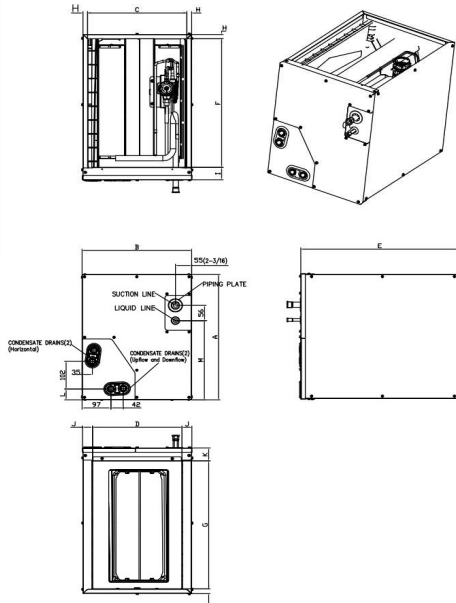
INDOOR UNIT DATA		
<b>IRV</b>	inch <sup>3</sup>	190.00
<b>Air flow</b>	SCFM	1100
<b>Pressure drop</b>	Pa	72.00
	In. wg.	0.29
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//1117.65//
Indoor noise level (Hi/Med/Lo)	[dB(A)]	0/0/0
<b>Dehumidification</b>	(LH)	7.897/8.16
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	24.49x20.98x27.99
	(mm)	622x533x711
Packing(WxDxH)	(inch)	27.76x26.18x30.31
	(mm)	705x665x770
Net/Gross weight	(lbs.)	86.64/98.33
	(kg)	39.3/44.6

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	TXV
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	172.84
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" / 7/8"
	(mm)	9.52/22
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 7/8"
	(mm)	9.52/22
Max. pipe length	(ft)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
	(m)	30.0
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

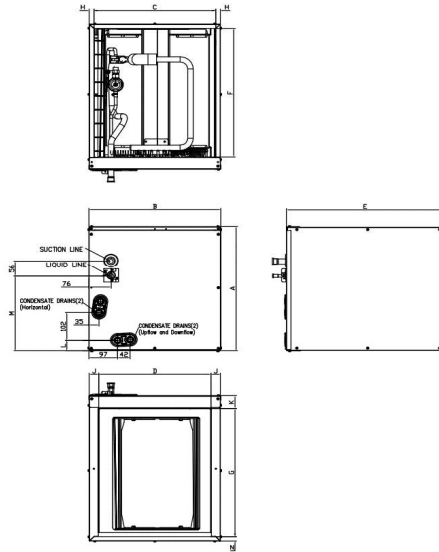
OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		ROTARY
Model		KTQ420D1UMU
Brand		GMCC
Capacity	(Btu/h)	46744
Input	(W)	3700
Rated current (RLA)	(A)	24.6
Refrigerant oil/oil charge	(ml)	VG74/1400
<b>Outdoor fan motor</b>		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.0
Output	(W)	85
RLA	(A)	2.4
Speed	(r/min)	900/850/650
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4412
Outdoor noise level	[dB(A)]	62.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.15/248.46
	(kg)	98.5/112.7

Indoor unit dimension

NEW PANEL STYLE

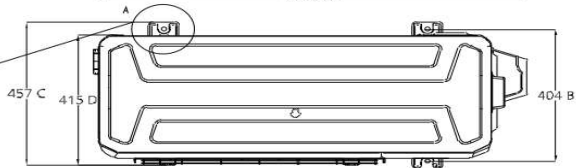
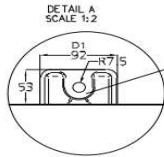
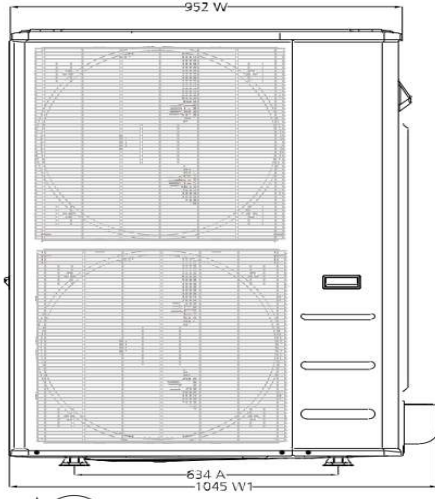
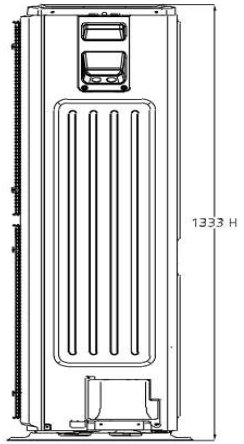


OLD PANEL STYLE



Dimensions	KV-14F-A		KV-14F-B		KV-17F-A		KV-17F-B		KV-21F-A		KV-21F-B		KV-24F-A	
	Model(Btu/h)	NEW PANEL STYLE 18K/20K/22K/24K	NEW PANEL STYLE 30K(48K)	NEW PANEL STYLE 30K/36K	OLD PANEL STYLE 18K/24K	OLD PANEL STYLE 30K/36K/48K	NEW PANEL STYLE 48K	OLD PANEL STYLE 60K	inch	mm	inch	mm	inch	mm
A Model Height	18	457	23-1/2	598	23-1/2	599	18	461	24	609	28	711	28	711
B Model Width	14-1/2	368	14-1/2	368	17-1/2	445	17-1/2	445	21	533	21	533	24-1/2	622
C Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411	16-3/16	411	19-3/4	502	19-3/4	502	23-1/4	591
D Return Air Opening Width	12	303	12	303	15-1/8	384	15-1/8	384	19-1/2	496	19-1/2	496	23	585
E Model Depth	21	534	21	534	21	533	21	533	21	533	21	533	21	533
F Supply Air Opening Depth	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473
G Return Air Opening Depth	18-1/2	471	18-1/2	471	18	458	18	458	18-1/2	470	18-1/2	470	18-1/2	470
H Supply Air Opening Side Clearance	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16
I Supply Air Opening Front Clearance	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45
J Return Air Opening Side Clearance	5/8	16	5/8	16	1-3/16	30	1-3/16	30	3/4	19	3/4	19	3/4	19
K Return Air Opening Front Clearance	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46
L Condensate Drains Height	1-9/16	40	1-9/16	40	1-7/16	37	1-7/16	37	2-1/8	54	2-1/8	54	2-1/8	54
M Liquid Line Height	11-1/2	292	11-1/2	292	16-1/2	418	10-7/8	276	16-5/16	414	21	533	20-1/4	514
N Return Air Opening Side Clearance	3/4	19	3/4	19	3/4	19	1-3/16	30	3/4	19	3/4	19	3/4	19

Outdoor unit dimension





## IFLOW

Central Air Conditioning Heat Pump (HP)

Singlezone Ducted, Centrally Ducted

AHRI Cert #\*: 217729804

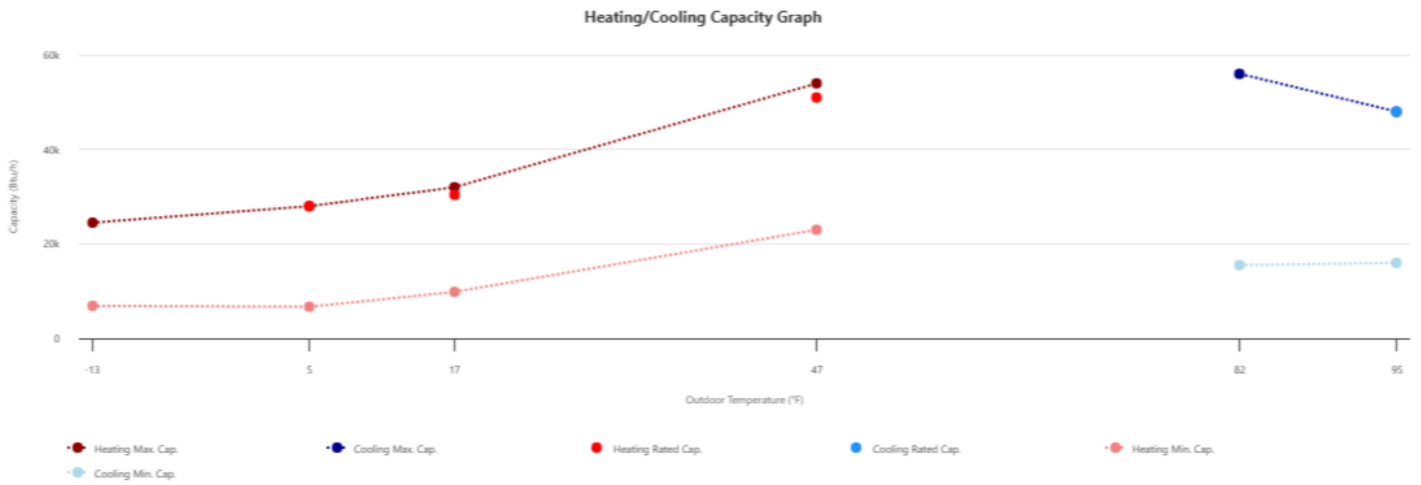
Outdoor Unit Model #\*: 70HPIR60A

Indoor Model #\*: 70C5460DA

🔥 Maximum Heating Capacity (Btu/h) @5°F: 32,000

🔥 Rated Heating Capacity (Btu/h) @47°F\*: 54,000

❄️ Rated Cooling Capacity (Btu/h) @95°F\*: 53,000



## Information Tables

Brand	IFLOW
Series	
Ducting Configuration	Singlezone Ducted, Centrally Ducted
AHRI Certificate #*	217729804
Outdoor Unit Model #*	70HPIR60A
Indoor Model #*	70C5460DA
Indoor Unit Type*	
Furnace Model #	
EER*	
SEER*	
HSPF (Region IV)*	
EER2*	9
SEER2*	15.2
HSPF2 (Region IV)*	8.5
HSPF2 (Region V)	6.6
ENERGY STAR V6.1	✘
ENERGY STAR V6.1 Cold Climate	✘
ENERGY STAR V5.0	✘
Federal Tax Credit Eligibility North	
Federal Tax Credit Eligibility South	
CEE Tier 1 Path A (2025)	✘
CEE Tier 1 Path B (2025)	✘
Capacity Maintenance (Rated 17°F/Rated 47°F)	62%
Capacity Maintenance (Rated 5°F/Rated 47°F)	59%
Capacity Maintenance (Max 5°F/Rated 47°F)	59%
Variable Capacity	✔
Integration	
Connectivity	
Operational Diagnostics	
Refrigerant	R-410A
Created At	2025-09-24
Updated At	2025-09-24
Sold In*	USA, Canada

## Performance Specs

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated*	Max
Cooling	95°F	80°F	Btu/h*	17,500	53,000	55,000
			kW	1.92	5.89	6.26
			COP	2.67	2.64	2.57
Cooling	82°F	80°F	Btu/h*	16,000	-	57,000
			kW	1.09	-	3.93
			COP	4.3	-	4.25
Heating	47°F	70°F	Btu/h*	27,500	54,000	63,000
			kW	1.25	5.11	5.48
			COP	6.45	3.1	3.37
Heating	17°F	70°F	Btu/h*	10,500	34,000	36,000
			kW	1.49	4.53	4.81
			COP	2.07	2.2	2.19
Heating	5°F	70°F	Btu/h*	7,500	32,000	32,000
			kW	1.21	4.94	4.94
			COP	1.82	1.9	1.9
Heating	-13°F	70°F	Btu/h*	7,000	-	25,000
			kW	1.2	-	5.64
			COP	1.71	-	1.3

# Certificate of Product Ratings

AHRI Certified Reference Number : 217729804    Date : 12-10-2025    Model Status : Active

AHRI Type : HRCU-A-C (Split System: Heat Pump with Remote Outdoor Unit with No Indoor Fan --Air Source)

Outdoor Unit Brand Name : iFLOW

Outdoor Unit Model Number (Condenser or Single Package) : 70HPIR60A

Indoor Unit Model Number (Evaporator and/or Air Handler) : 70C5460DA

The manufacturer of this iFLOW product is responsible for the rating of this system combination.

Rated as follows in accordance with the latest edition of AHRI 210/240 - 2017 with Addendum 1, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A2) - Single or High Stage (95F), btuh : 52000

SEER : 14.90

EER (A2) - Single or High Stage (95F) : 9.50

Heating Capacity (H12) - Single or High Stage (47F) : 53000

HSPF (Region IV) : 9.30

Rated as follows in accordance with the latest edition of AHRI 210/240 – 2024, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A<sub>Full</sub>) – Single or High Stage (95F), btuh : 53000

SEER2 : 15.20

EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 9.00

Heating Capacity (H1Nom) - Multi/Variable Stage (47F) : 54000

HSPF2 (Region IV) : 8.50

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†'Active' Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

The Department of Energy has published updated energy efficiency metrics for central air conditioners and heat pumps. This publication reflects both the 1987 metric (SEER) and the 2023 metric (SEER2). Efficiency requirements are published at 10 C.F.R. 430.32(c). Please refer to www.AHRInet.org for more information about updated energy efficiency metrics.

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