



**iFLOW Cold Climate Air Source Heat Pumps
SUBMITTAL DATA SHEET**

30,000 BTU/H ODU	+	A-Coil IDU
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____		Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model
 Indoor unit model 70C3036CA
 Outdoor unit model 70HPIC30A

AHRI CERTIFIED REFERENCE #: 212546250

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	(A)	23.0
Max.fuse	(A)	35.0
Connection wiring		18AWG
Cooling		
Rated Capacity	(Btu/h)	30000
Capacity Range	(Btu/h)	9900-35000
Power Input (Max)	(W)	2855(660-3720)
Rated current	(A)	11.1(3.10-14.4)
SEER	(Btu/W)	15.5
EER	(Btu/W)	10.5
Heating at 47F		
Rated Capacity	(Btu/h)	33000
Capacity Range	(Btu/h)	9000-37000
Power Input (Max)	(W)	2850(640-3300)
Rated current	(A)	11.0(3.00-13)
HSPF4	(Btu/W)	9.7
HSPF5	(Btu/W)	7.7
COP	W/W	3.39
Heating at 5F		
Capacity	(Btu/h)	27000
COP	W/W	1.85

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/134.04
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65.0
Liquid side/ Gas side	(inch)	3/8" / 3/4"
	(mm)	φ9.52 / φ19
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
Connection method	Indoor	Braze
	Outdoor	Flared to braze
Indoor(cooling)	(Deg. °F / °C)	62-90 / 17~32
Indoor(heating)	(Deg. °F / °C)	32-86 / 0-30
Outdoor(cooling)	(Deg. °F / °C)	5-122 / -15~50
Outdoor(heating)	(Deg. °F / °C)	-22-75 / -30-24

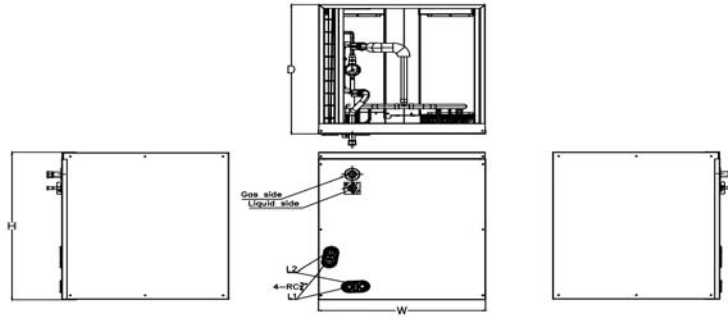
INDOOR UNIT DATA

Throttle		TXV for Cooling
IRV	inch ³	106.9
Air flow	SCFM	960
Pressure drop	Pa	65.1
	In. wg.	0.26
Indoor unit		
Dimension (WxDxH)	(inch)	21x21x24
	(mm)	533x533x609
Packing(WxDxH)	(inch)	23.5x25.5x25.5
	(mm)	595x650x645
Net/Gross weight	(lbs.)	66.58/77.16
	(kg)	30.2/35

OUTDOOR UNIT DATA

Compressor		
Type		KTF310D43UMT
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	34154.1
Input	(W)	2765
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	VG74/1000
Throttle		EEV for heating
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	--
RLA	(A)	1.35
Speed	(r/min)	950/900/500
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3000.0
Outdoor noise level	[dB(A)]	63.0
Outdoor unit		
Dimension (W×D×H)	(inch)	37.25x16.25x32
	(mm)	946x410x810
Packing (W×D×H)	(inch)	43x19.75x35
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	159.83/169.75
	(kg)	72.5/77

Indoor unit dimension



Model	Unit	Dimensions (mm)			Drain hole	
		W	D	H	L1	L2
12K-24K	mm	445	533	457		
	Inch	17 1/2	21	18		
30K-48K	mm	533	533	609	Main drain hole	Overflow drain hole
	Inch	21	21	24		
60K	mm	622	533	711		
	Inch	24	21	28		

Outdoor unit dimension

