



iFLOW Cold Climate Air Source Heat Pumps
SUBMITTAL DATA SHEET

24,000 BTU/H ODU	+	A-Coil IDU
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Set Model
Indoor unit model 70C1824BA
Outdoor unit model 70HPIC24A

AHRI CERTIFIED REFERENCE #: 212546249

Certified

AHRI

UL



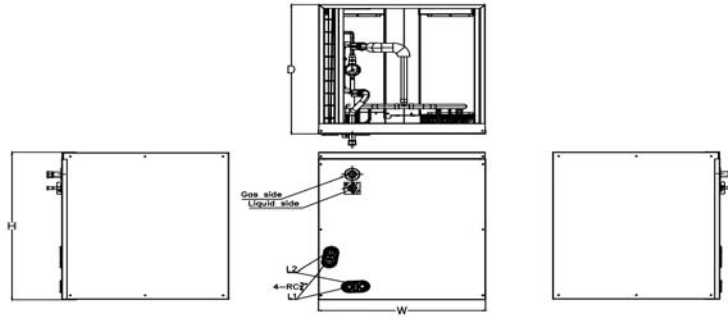
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
Electrical			
Minimum circuit ampacity	(A)		20.5
Max.fuse	(A)		35.0
Connection wiring			18AWG
Cooling			
Rated Capacity	(Btu/h)		24000
Capacity Range	(Btu/h)		10000-28400
Power Input (Max)	(W)		2247(380-2600)
Rated current	(A)		9.43(2.33-10.68)
SEER	(Btu/W)		16.8
EER	(Btu/W)		10.7
Heating at 47F			
Rated Capacity	(Btu/h)		25000
Capacity Range	(Btu/h)		9600-33400
Power Input (Max)	(W)		2233(510-3160)
Rated current	(A)		9.30(3.01-12.92)
HSPF4	(Btu/W)		9.5
HSPF5	(Btu/W)		7.7
COP	W/W		3.28
Heating at 5F			
Capacity	(Btu/h)		20000
COP	W/W		1.95

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)		550/340
Refrigerant Type	(Oz)	R410A/102.32	
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		58.3
Air flow	SCFM		720
Pressure drop	Pa		51.3
	In. wg.		0.21
Indoor unit			
Dimension (WxDxH)	(inch)		17.5x21x18
	(mm)		445x533x457
Packing(WxDxH)	(inch)		20x25.5x19.25
	(mm)		505x650x490
Net/Gross weight	(lbs.)		42.77/52.03
	(kg)		19.4/23.6

OUTDOOR UNIT DATA			
Compressor			
Type			KTM240D57UMT
Model			Twin-ROTARY
Brand			GMCC
Capacity	(Btu/h)		26408.9
Input	(W)		2085
Rated current (RLA)	(A)		-
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 670
Throttle			EEV for heating
Outdoor fan motor			
Model			ZKFN-120-8-2
Qty			1
Input	(W)		--
RLA	(A)		1.35
Speed	(r/min)		950/700/500/400
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		3000.0
Outdoor noise level	[dB(A)]		63.5
Outdoor unit			
Dimension (WxDxH)	(inch)		37.25x16.25x32
	(mm)		946x410x810
Packing (WxDxH)	(inch)		43x19.75x35
	(mm)		1090x500x885
Net/ Gross weight	(lbs.)		136.69/145.50
	(kg)		62/66

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

