



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

18,000 BTU/H ODU	+	A-Coil IDU
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____		Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model
 Indoor unit model 70C1824BA
 Outdoor unit model 70HPIC18A

AHRI CERTIFIED REFERENCE #: 212546248

Certified **AHRI**
 UL



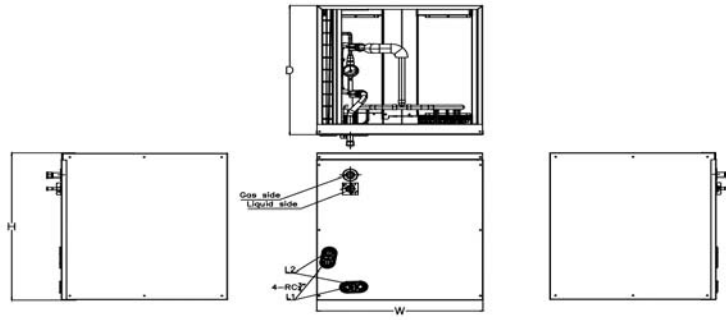
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
Electrical			
Minimum circuit ampacity	(A)		16.0
Max.fuse	(A)		20.0
Connection wiring			18AWG
Cooling			
Rated Capacity	(Btu/h)		18000
Capacity Range	(Btu/h)		9600-22000
Power Input (Max)	(W)	1538(450-2100)	
Rated current	(A)	7.0(2.2-8.22)	
SEER	(Btu/W)		16.5
EER	(Btu/W)		11.7
Heating at 47F			
Rated Capacity	(Btu/h)		19000
Capacity Range	(Btu/h)		6000-23600
Power Input (Max)	(W)	1610(470-2200)	
Rated current	(A)	8.5(2.4-9.6)	
HSPF4	(Btu/W)		9.5
HSPF5	(Btu/W)		7.8
COP	W/W		3.46
Heating at 5F			
Capacity	(Btu/h)		15000
COP	W/W		2.20

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)		550/340
Refrigerant Type	(Oz)		R410A/R81.1
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)		98.4
	(m)		30.0
Max. difference in level	(ft)		65.6
	(m)		20.0
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	inch³		58.3
Air flow	SCFM		550
Pressure drop	Pa		32.7
	In. wg.		0.13
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-80-8-3
Qty			1
Input	(W)		--
RLA	(A)		1.00
Speed	(r/min)		800/700/580
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		1279.4
Outdoor noise level	[dB(A)]		59.0
Outdoor unit			
Dimension (WxDxH)	(inch)		35x13.5x26.5
	(mm)		890x342x673
Packing (WxDxH)	(inch)		39.25x15.75x29.25
	(mm)		995x398x740
Net/ Gross weight	(lbs.)		102.95/109.79
	(kg)		46.7/49.8

Indoor unit dimension



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

Outdoor unit dimension

