



SUBMITTAL DATA SHEET

Duct Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Model
 Indoor unit model CCOXHASD09
 Outdoor unit model CCOXHASZ09HP

Certified






SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	15.0
Max.fuse(Outdoor)	(A)	15.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	9000(2400~12500)
Power Input	(W)	682(174~1150)
Current	(A)	4.7(1.41~5.1)
SEER2	(Btu/W)	20.2
EER2	(Btu/W)	13.2
Heating		
Capacity	(Btu/h)	10000(1700~15600)
Power Input	(W)	870(176~1494)
Current	(A)	4.0(1.44~6.59)
HSPF2-4	(Btu/W)	12.0
HSPF2-5	(Btu/W)	9.5
COP	W/W	3.37
Heat at 17F(H32)	(Btu/h)	10100
Heat at 5F(H42)	(Btu/h)	10800
COP at 5F(H42)	W/W	1.90

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	41.62
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.16
Liquid side/ Gas side(indoor)	(inch)	1/4"/3/8"
Liquid side/ Gas side(outdoor)	(inch)	1/4"/3/8"
Max. pipe length	(ft)	82.0
Max. difference in level	(ft)	32.8
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
Indoor(heating)	(Deg. °F)	32~86
Outdoor(cooling)	(Deg. °F)	-22~122
Outdoor(heating)	(Deg. °F)	-22~75

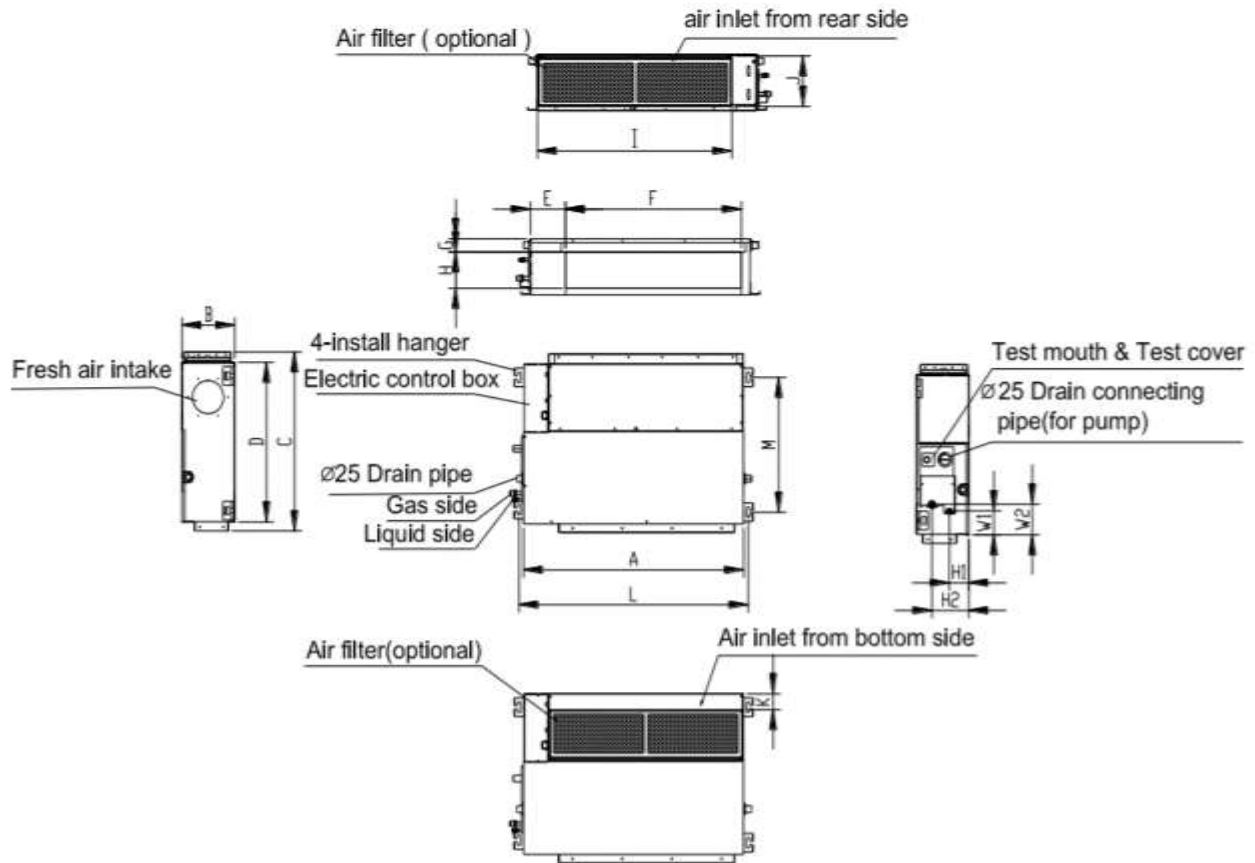
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFN-55-8-22-1
Qty		1
Input	(W)	130.00
Output	(W)	55.0
RLA	(A)	0.9
Speed(Hi/Mi/Lo)	(r/min)	1170/1030/850
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//352.94/282.35/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	33/30.5/27
Dehumidification	(L/H)	0.92
Indoor unit		
Dimension (WxDxH)	(inch)	27.56x19.92x7.87
Packing(WxDxH)	(inch)	33.86x21.26x11.22
Net/Gross weight	(lbs.)	39.02/48.28

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTN110D42UFZ
Brand		GMCC
Capacity	(B)	11823
Input	(W)	885
Rated current (RLA)	(A)	8.8
Refrigerant oil/oil charge	(ml)	VG74/350
Outdoor fan motor		
Model		ZKFN-34-10-1
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.4
Speed	(r/min)	850/680/450
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1324
Outdoor noise level	[dB(A)]	54.0
Outdoor unit		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
Packing (WxDxH)	(inch)	36.02x14.57x24.21
Net/ Gross weight	(lbs.)	74.07/80.25

Indoor unit dimension(internal pump)



Model (KBtu/h)	unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
9/12	mm	700	200	506	450	137	537	30	152	599	186	50	741	360	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
	inch	34.6	8.3	26.5	23.6	5.5	27.8	2.0	5.4	30.8	7.5	1.6	36.2	20.0	3.1	5.8	3.5	4.4
24	mm	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155
	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1360	249	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	46.7	2.0	6.9	49.6	9.0	0.2	55.1	23.5	3.1	5.9	5.1	6.1
48	mm	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210
	inch	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	0.2	48.8	27.4	3.1	5.9	7.3	8.3

Outdoor unit dimension

