

SUBMITTAL DATA SHEET



One Way Cassette Heat Pump System

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

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

Set Model
 Indoor unit model CH-N48LOCT-230V1
 Outdoor unit model CH-NHPR48LCU-230VO



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)	42.0	
Max.fuse(Outdoor)	(A)	50.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	48000(2700~48900)	
Power Input	(W)	6070(570~6100)	
Current	(A)	25.24(4.30~25.80)	
SEER2	(Btu/W)	16.8	
EER2	(Btu/W)	8.3	
Heating			
Capacity	(Btu/h)	53000(11800~58000)	
Power Input	(W)	4900(570~5690)	
Current	(A)	21.92(4.33~24.90)	
HSPF2.4	(Btu/W)	10.7	
HSPF2.5	(Btu/W)	8.5	
COP	W/W	3.17	
Heat at 17F(H32)	(Btu/h)	35900	
Heat at 5F(H42)	(Btu/h)	48000	
COP at 5F(H42)	W/W	1.98	

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	NOV
Design pressure	Outdoor unit	EXV+Throttle valve
Refrigerant Type	(PSIG)	550/340
Refrigerant charge		R410A
Refrigerant precharge	oz	148.20
	(ft)	25.0
Additional charge for each ft	(m)	7.5
Additional charge for each m	(oz/ft)	0.32
Liquid side/ Gas side(indoor)	(g/m)	30.0
	(inch)	3/8" / 5/8"
Liquid side/ Gas side(outdoor)	(mm)	9.52/15.9
	(inch)	3/8" / 5/8"
Max. pipe length	(ft)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
Connection method	(m)	30.0
		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)	-22~75
	(Deg. C)	-30~24

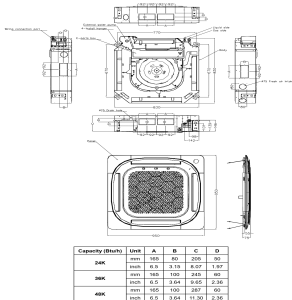
INDOOR UNIT DATA

Indoor fan motor			
Model			ZKFN-125-8-1
Qty			1
Input	(W)		157.00
Output	(W)		125.0
RLA	(A)		1.50
Speed(Hi/Mi/Lo)	(r/min)		800/730/660/590/450
Air flow & Noise level			
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)		88.24/1170.59/1058.82/535.25
Indoor noise level (Hi/Med/Lo)	[dB(A)]		55.5/52.5/50
Dehumidification	(L/H)		5.4
Indoor unit			
Dimension (WxDxH)	(inch)		32.68x22.68x11.30
	(mm)		830x580x287
Packing(WxDxH)	(inch)		35.83x35.83x12.99
	(mm)		910x910x330
Net/Gross weight	(lbs.)		64.59/74.07
	(kg)		29.3/33.6

OUTDOOR UNIT DATA

Compressor			
Type			ROTARY
Model			EAP0420D1UMUA
Brand			GMCC
Capacity	(Btu/h)		44015
Input	(W)		3565
Rated current (RLA)	(A)		33.0
Refrigerant oil/oil charge	(ml)		1460±15ml/ESTER OIL VG74
Outdoor fan motor			
Model			ZKFN-85-8-22-5
Qty			2
Input	(W)		126.00
Output	(W)		85.00
RLA	(A)		1.20
Speed	(r/min)		900/850/800/750
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		4500.0
Outdoor noise level	[dB(A)]		66.5
Outdoor unit			
Dimension (WxDxH)	(inch)		37.48x16.34x52.48
	(mm)		952x415x1333
Packing (WxDxH)	(inch)		43.11x19.49x58.27
	(mm)		1095x495x1480
Net/ Gross weight	(lbs.)		227.07/255.73
	(kg)		103/116

Indoor unit dimension



Outdoor unit dimension

