



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System

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

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

Set Code
Indoor unit code 22022510004424
Outdoor unit code 22022511000710
22022016016220

Set Model
Indoor unit model BM12HH22CC
Outdoor unit model BM12MCC
BM12HH26C

Certified

AHRI



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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		14*4 AWG
Cooling		
Capacity	(Btu/h)	12000(3000~13700)
Power Input	(W)	945(162~1350)
Current	(A)	4.32(1.24~6.18)
SEER2	(Btu/W)	22.3
EER2	(Btu/W)	12.7
Heating		
Capacity	(Btu/h)	12000(2000~15300)
Power Input	(W)	1080(146~1350)
Current	(A)	4.99(1.15~5.88)
HSPF2-4	(Btu/W)	10.2
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.26
Heat at 17F(H32)	(Btu/h)	9900
Heat at 5F(H42)	(Btu/h)	11300
COP at 5F(H42)	W/W	1.89

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
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
	(Deg. °C)	17~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75

INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-46-8-1
Qty		1
Input	(W)	45.00
Output	(W)	46.0
RLA	(A)	0.00
Speed(Hi/Mi/Lo)	(r/min)	/
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//335.29/282.35/241.18
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40.5/35.5/31.5
Dehumidification	(L/H)	1.69
Indoor unit		
Dimension (WxDxH)	(inch)	22.44x22.44x10.24
	(mm)	570x570x260
Packing(WxDxH)	(inch)	26.06x26.06x12.48
	(mm)	662x662x317
Net/Gross weight	(lbs.)	35.27/41.01
	(kg)	16/18.6

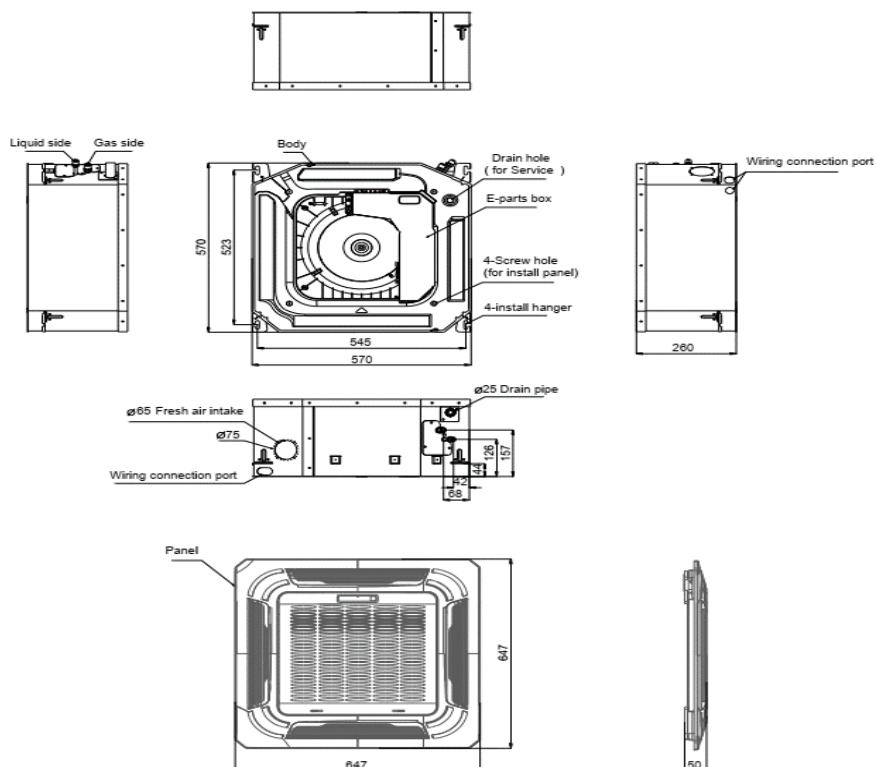
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTN110D42UFZ
Brand		GMCC
Capacity	(Btu/h)	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)	34.00
RLA	(A)	0.36
Speed	(r/min)	850/680/450
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1323.5
Outdoor noise level	[dB(A)]	52.5
Outdoor unit		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	73.63/79.37
	(kg)	33.4/36

(Deg. °C)

-30~24

Indoor unit dimension



Outdoor unit dimension

