



SUBMITTAL DATA SHEET

4-Way Ceiling Cassette Heat Pump System

ACIQ-09CC-HH-MB

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

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

Set Code 22022510004443
Indoor unit code 22022511000703
Outdoor unit code 22022016016162

Set Model
Indoor unit model ACIQ-09CC-HH-MB
Outdoor unit model

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) 9000(2850~11100)
Power Input (W) 692(163~1117)
Current (A) 3.17(1.25~4.93)
SEER2 (Btu/W) 20.5
EER2 (Btu/W) 13.0

Heating

Capacity (Btu/h) 9800(2270~12500)
Power Input (W) 930(149~1371)
Current (A) 4.58(1.17~6.04)
HSPF2-4 (Btu/W) 10.3
HSPF2-5 (Btu/W) 7.8
COP W/W 3.09
Heat at 17F(H32) (Btu/h) 9000
Heat at 5F(H42) (Btu/h) 10000
COP at 5F(H42) W/W 1.80

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
	(ft)	25.0
Refrigerant precharge	(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" / 3/8"
	(mm)	6.35/9.52
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 3/8"
	(mm)	6.35/9.52
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
	(Deg. °C)	-30~24

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)	600/520/460

Air flow & Noise level

Indoor air flow (F) (CFM)	//352.94/305.88/270.59
Indoor noise level [dB(A)]	39.5/36/32.5
Dehumidification (L/H)	1.03

Indoor unit

Dimension (WxD) (inch)	22.44x22.44x10.24
	(mm) 570x570x260
Packing(WxDxH) (inch)	26.06x26.06x12.48
	(mm) 662x662x317
Net/Gross weight (lbs.)	31.97/38.14
(kg)	14.5/17.3

OUTDOOR UNIT DATA

Compressor

Type	ROTARY
Model	KTN110D42UFZ
Brand	GMCC
Capacity (Btu/h)	11823
Input (W)	885
Rated current (R) (A)	8.8
Refrigerant oil/oil (ml)	VG74/350

Outdoor fan motor

Model	ZKFN-34-10-1
Qty	1
Input (W)	/
Output (W)	34.00
RLA (A)	0.42
Speed (r/min)	850/680/450

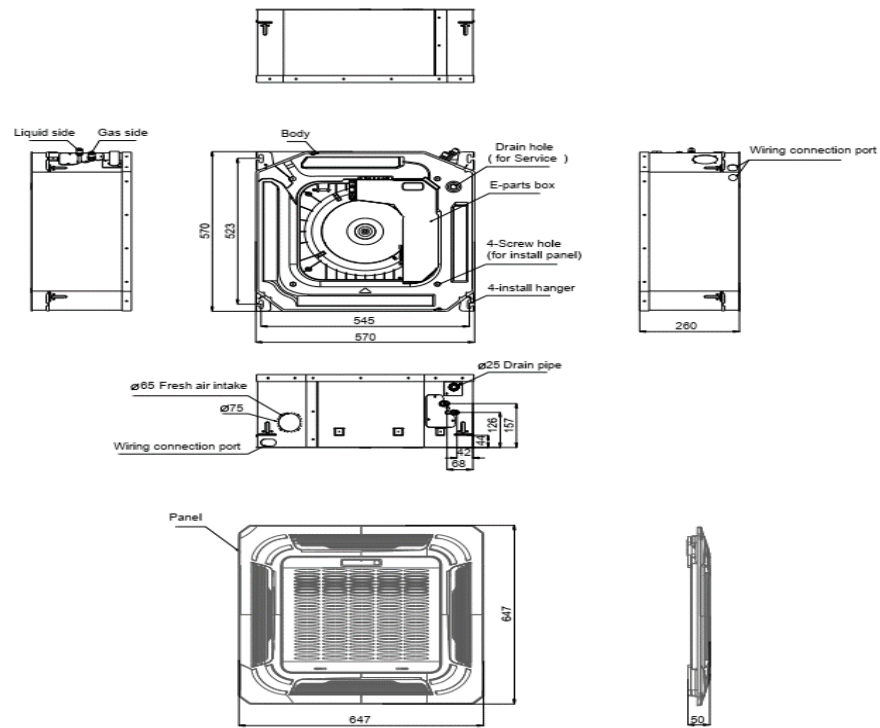
Air flow & Noise level

Outdoor air flow (CFM)	1323.5
Outdoor noise level [dB(A)]	55.0

Outdoor unit

Dimension (WxD) (inch)	31.69x12.99x21.81
	(mm) 805x330x554
Packing (WxDxH) (inch)	36.02x14.57x24.21
	(mm) 915x370x615
Net/ Gross weight (lbs.)	74.07/80.25
(kg)	33.6/36.4

Indoor unit dimension



Outdoor unit dimension

