



SUBMITTAL DATA SHEET

4-Way Ceiling Cassette Heat Pump System

ACIQ-36CC-HH-MB

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

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

Set Code 22022510004463
 Indoor unit code 22022511003496
 Outdoor unit code 22022516001923

Set Model
 Indoor unit model ACIQ-36CC-HH-MB
 Outdoor unit model

Certified

AHRI



CSA



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) 41.0
 Max.fuse(Outdoor) (A) 50.0
 Connection wiring 14AWG*2 Stranded, shielded

Cooling

Capacity (Btu/h) 36000(12400~36000)
 Power Input (W) 4000(477~4000)
 Current (A) 17.6(3.33~17.61)
 SEER2 (Btu/W) 19.4
 EER2 (Btu/W) 9.5

Heating

Capacity (Btu/h) 40000(11200~50000)
 Power Input (W) 3850(666~3700)
 Current (A) 17.1(3.72~16.9)
 HSPF2-4 (Btu/W) 10.5
 HSPF2-5 (Btu/W) 8.5
 COP W/W 3.05
 Heat at 17F(H32) (Btu/h) 33000
 Heat at 5F(H42) (Btu/h) 40000
 COP at 5F(H42) W/W 1.85

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
Design pressure <td>Outdoor unit</td> <td>EXV+Throttle valve</td>	Outdoor unit	EXV+Throttle valve
Refrigerant Type <td>(PSIG)</td> <td>550/340</td>	(PSIG)	550/340
Refrigerant charge <td></td> <td>R410A</td>		R410A
Refrigerant precharge <td>oz</td> <td>148.40</td>	oz	148.40
<td>(ft)</td> <td>25.0</td>	(ft)	25.0
<td>(m)</td> <td>7.5</td>	(m)	7.5
Additional charge for each ft <td>(oz/ft)</td> <td>0.32</td>	(oz/ft)	0.32
Additional charge for each m <td>(g/m)</td> <td>30.0</td>	(g/m)	30.0
Liquid side/ Gas side(indoor) <td>(inch)</td> <td>3/8" / 5/8"</td>	(inch)	3/8" / 5/8"
<td>(mm)</td> <td>9.52/15.9</td>	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor) <td>(inch)</td> <td>3/8" / 5/8"</td>	(inch)	3/8" / 5/8"
<td>(mm)</td> <td>9.52/15.9</td>	(mm)	9.52/15.9
Max. pipe length <td>(ft)</td> <td>213.3</td>	(ft)	213.3
<td>(m)</td> <td>65.0</td>	(m)	65.0
Max. difference in level <td>(ft)</td> <td>98.4</td>	(ft)	98.4
<td>(m)</td> <td>30.0</td>	(m)	30.0
Connection method <td></td> <td>Flared</td>		Flared
Indoor(cooling) <td>(Deg. °F)</td> <td>60~90</td>	(Deg. °F)	60~90
<td>(Deg. °C)</td> <td>16~32</td>	(Deg. °C)	16~32
Indoor(heating) <td>(Deg. °F)</td> <td>32~86</td>	(Deg. °F)	32~86
<td>(Deg. °C)</td> <td>0~30</td>	(Deg. °C)	0~30
Outdoor(cooling) <td>(Deg. °F)</td> <td>5~122</td>	(Deg. °F)	5~122

INDOOR UNIT DATA

Indoor fan motor

Model ZKFN-125-8-1
 Qty 1
 Input (W) 157.00
 Output (W) 125.0
 RLA (A) 1.00
 Speed(Hi/Mi/Lo) (r/min) 760/696/632/568/440

Air flow & Noise level

Indoor air flow (Turbo/Hi/Med/Lo) (CFM) 1041.18/947.06/852.94/752.94
 Indoor noise level (Hi/Med/Lo) [dB(A)] 52.5/50/46.5
 Dehumidification (L/H) 4.54

Indoor unit

Dimension (WxDxH) (inch) 32.68x32.68x9.65
 (mm) 830x830x245
 Packing(WxDxH) (inch) 35.83x35.83x11.42
 (mm) 910x910x290
 Net/Gross weight (lbs.) 59.97/69.00
 (kg) 27.2/31.3

OUTDOOR UNIT DATA

Compressor

Type ROTARY
 Model EAPQ420D1UMUA
 Brand GMCC
 Capacity (Btu/h) 44015
 Input (W) 3565
 Rated current (RLA) (A) 32.0
 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) 800/750/650

Air flow & Noise level

Outdoor air flow (Max.) (CFM) 4500.0
 Outdoor noise level [dB(A)] 63.5

Outdoor unit

Dimension (W×D×H) (inch) 37.48x16.34x52.48
 (mm) 952x415x1333
 Packing (W×D×H) (inch) 43.11x19.49x58.27
 (mm) 1095x495x1480
 Net/ Gross weight (lbs.) 220.24/248.02
 (kg) 99.9/112.5

Indoor unit dimension



Outdoor unit dimension

