### Overview and Project Information

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Location</th>
<th>Architect</th>
<th>Engineer</th>
<th>General Contractor</th>
<th>Reference #</th>
<th>Date</th>
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</thead>
</table>

### 36K Btu Multi Zone Regular System Outdoor Unit - Non Ducted

<table>
<thead>
<tr>
<th>Indoor model #</th>
<th>8733953094 (Qty 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor model name</td>
<td>BMS500-AAU009-1AHWXB (Qty 4)</td>
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<tr>
<td>Outdoor model #</td>
<td>8733942705</td>
</tr>
<tr>
<td>Outdoor model name</td>
<td>BMS500-AAM036-1CSXRA</td>
</tr>
</tbody>
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### Performance Data

#### Cooling
- Capacity (Btu/h): 33000
- Input (W): 2640
- Rated current (A): 11.5
- EER (Btu/w): 12.5
- SEER (Btu/w): 23

#### Heating at 47ºF
- Capacity (Btu/h): 36000
- Input (W): 3103
- Rated current (A): 13.5
- COP (W/W): 3.4
- HSPF4: 10.2
- HSPF5: 8.7

### Electrical Data
- Power supply (V / Ø / Hz): 208-230 / 1 / 60
- Min. Circuit ampacity (A): 30.0
- Max. Fuse (A): 45.0

### Compressor Data
- Type: Twin-Rotary
- Refrigerant oil /oil charge (ml): ESTER OIL VG74 / 1000
- Input (W): 2600
- Rated current (RLA / A): 22.00

### Operation Range
- ODU: Cooling (-13~122 / -25~50)
- Heating: Cooling (-13~86 / -25~30)

### Piping
- Refrigerant precharge (ft / m): 98 / 30
- Refrigerant charge (oz / g): 105.8 / 2999
- Additional charge per ft (oz): 0.161
- Liquid side (in / mm): 4 x 1/4" / Φ6.35
- Gas side (in / mm): 3 x 3/8" + 1 x 1/2" + 3 x Φ9.52 + 1 x Φ12.7
- Max. refrigerant pipe length (ft / m): 262 / 80
- Max. length to one IDU (ft / m): 115 / 35
- Max. height difference between IDU and ODU (ft / m): 49 / 15
- Max. height difference between IDU’s (ft / m): 33 / 10

### System Data
- Refrigerant Type: R410A
- Design pressure (PSIG): 550/340
- Dehumidification (pts/hr): 7.42

### ODU
- Fan motor qty (ea): 1
- Fan motor input (W): 150.0
- Fan motor RLA (A): 1.39
- Fan motor speed, H / M / L (RPM): 900 / 750 / 600
- Air flow, Max (CFM): 2147
- Noise level, Max (dB(A)): 62.3
- Net weight (lbs / kg): 156.5 / 71.0
- Gross weight (lbs / kg): 167.6 / 76.0

| Minimum # of indoors | 2 |
| Maximum # of indoors | 4 |
Outdoor Unit Dimensions and Connections

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<tbody>
<tr>
<td>BMS500-AAM036-1CSXRA</td>
<td>37.2</td>
<td>16.5</td>
<td>31.9</td>
<td>40.6</td>
<td>26.5</td>
<td>15.9</td>
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