Overview and Project Information

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

### 36K Btu Multi Zone Hyper Heat Outdoor Unit - 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>
</tr>
<tr>
<td>Outdoor model #</td>
<td>8733953121</td>
</tr>
<tr>
<td>Outdoor model name</td>
<td>BMS500-AAM036-1CSXHB</td>
</tr>
</tbody>
</table>

### Performance Data

**Cooling**
- Capacity (Btu/h): 36000
- Input (W): 3186
- Rated current (A): 13.9
- EER (Btu/w): 11.3
- SEER (Btu/w): 19.0
- Capacity (Btu/h): 37000
- Input (W): 2899
- Rated current (A): 12.6
- COP (W/W): 3.74
- HSPF4: 11
- HSPF5: 9.3

**Heating at 47ºF**
- Capacity (Btu/h): 37000
- Input (W): 2899
- Rated current (A): 12.6
- COP (W/W): 3.74
- HSPF4: 11
- HSPF5: 9.3

### Electrical Data

- Power supply (V / Ø / Hz): 208-230 / 1 / 60
- Min. Circuit ampacity (A): 35.0
- Max. Fuse (A): 50.0

### Compressor Data

- Type: Twin-Rotary
- Refrigerant oil /oil charge (ml): ESTER OIL VG74 / 1400
- Input (W): 3040
- Rated current (RLA / A): 21.00

### Operation Range

- ODU: Cooling (ºF / ºC) -22-122 / -30-50
- Heating (ºF / ºC) -22-86 / -30-30

### Piping

- Refrigerant precharge (ft / m): 98 / 30
- Refrigerant charge (oz / g): 162.3 / 4601
- Additional charge per ft (oz): 0.161
- Liquid side (in / mm): 4 x 1/4" / Ø6.35
- Gas side (in / mm): 3 x 3/8" + 1 x 1/2" + 3 x Ø9.52 + 1 x Ø12.7
- 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): 8.45

### ODUs

- Fan motor qty (ea): 2
- Fan motor input (W): 126.0
- Fan motor RLA (A): 1.18
- Fan motor speed, H / M / L (RPM): 800 / 700 / 600
- Air flow, Max (CFM): 4500
- Noise level, Max (dB(A)): 64.0
- Net weight (lbs / kg): 223.8 / 101.5
- Gross weight (lbs / kg): 255.1 / 115.7
- Minimum # of indoors: 2
- Maximum # of indoors: 4

---

Climate 5000 Series
36K BTU Multi Zone Hyper Heat Outdoor Unit – Ducted

Bosch Thermotechnology Corp.
Londonderry, NH • Watertown, MA • Ft. Lauderdale, FL
Tel: 1-866-642-3198  Fax: 1-603-965-7581  www.boschheatingandcooling.com

Bosch Thermotechnology Corp. reserves the right to make changes without notice due to continuing engineering and technological advances | BTC 769008138 A | 10.2019
Climate 5000 Series
36K Btu Multi Zone Hyper Heat Outdoor Unit – Ducted

### Outdoor Unit Dimensions and Connections

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS500-AAM036-1CSXHB</td>
<td>37.5</td>
<td>16.3</td>
<td>52.5</td>
<td>41.1</td>
<td>25.0</td>
<td>15.9</td>
</tr>
</tbody>
</table>