**TABLE 1 - ATTACHMENT BRACKET ASSEMBLY**

<table>
<thead>
<tr>
<th>HEATER MODEL</th>
<th>BRACKET PART NO.</th>
<th>DIM 'A'</th>
<th>DIM 'B'</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH12A</td>
<td>5455</td>
<td>462mm [18.2&quot;]</td>
<td>246mm [9.7&quot;]</td>
</tr>
<tr>
<td>AH16A</td>
<td>5444</td>
<td>594mm [22.7&quot;]</td>
<td>297mm [11.7&quot;]</td>
</tr>
<tr>
<td>AH20A</td>
<td>5435</td>
<td>660mm [25.9&quot;]</td>
<td>347.5mm [13.7&quot;]</td>
</tr>
<tr>
<td>AH24A</td>
<td>5432</td>
<td>766mm [30.2&quot;]</td>
<td>359mm [14&quot;]</td>
</tr>
</tbody>
</table>

**BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>CCI PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>3384</td>
<td>U-BOLT, 1/2-13 UNC x 3&quot; PIPE</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>2800</td>
<td>PMK, COLUMN STABILIZER</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>3383</td>
<td>PLATE, BWK BASE</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>3153</td>
<td>Bolt-3/8-16UNC x 11/2-H-SZP</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>3099</td>
<td>WASHER, 3/8&quot; SAE, PLTD</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>3159</td>
<td>ANGLE, PMK STABILIZER</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>9706</td>
<td>ARM, MOUNTING, 750mm</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>3159</td>
<td>Lockwasher-3/8-Spl-H-SZP</td>
</tr>
<tr>
<td>9</td>
<td>5</td>
<td>2785</td>
<td>Nut-3/8-16UNC-H-SZP</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>SEE TABLE 1</td>
<td>Bracket, Mounting Attachment, AH12A</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>2944</td>
<td>EXPANSION BOLT, 3/8&quot; X 2 3/4 LG.</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>4373</td>
<td>Lockwasher-1/2-Spl-H-SZP</td>
</tr>
<tr>
<td>13</td>
<td>3</td>
<td>3159</td>
<td>Bolt-1/2-13UNC x 1 1/4-LONG, HEAGON HEAD</td>
</tr>
<tr>
<td>14</td>
<td>3</td>
<td>2941</td>
<td>WASHER, FLAT 1/2&quot;</td>
</tr>
<tr>
<td>15</td>
<td>2</td>
<td>4372</td>
<td>NJT-1/2-13 UNC-H-SZP</td>
</tr>
</tbody>
</table>

**SUPPLIED BY CUSTOMER**

- THREE 3/8" GRADE 5 BOLTS
- THREE 3/8" O.D. SCH. 40 PIPE 20FT (6.0m) MAX. LENGTH
- THREE 3/8" O.D. SCH. 40 PIPE 25FT (7.6m) MAX. LENGTH

**TABLE 1 - ATTACHMENT BRACKET ASSEMBLY**

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<td>660mm [25.9&quot;]</td>
</tr>
<tr>
<td>AH24A</td>
<td>5432</td>
<td>766mm [30.2&quot;]</td>
</tr>
</tbody>
</table>

**HEATING SYSTEMS**

**REV: 1**
REV. DESCRIPTION: HEATING SYSTEMS DRAWING NUMERICAL TOLERANCES
DATE: 20 Dec 2007
DRAWN BY: MCARULL
REVISION: NTS
SHEET: 1 OF 1
DRAWING NO.: 5717
SCALE: NTS
**ADAPTER (#9771) AND HARDWARE REMOVED.**

06 APR 2016 NJS

**REV.**

**REVISION DESCRIPTION**

**DATE**

**BY**

**TITLE:** PIPE MTG KIT, RUFFNECK FX5/FE2 HEATER

**ITEM** | **QTY** | **CCI PART NO.** | **DESCRIPTION**
---|---|---|---
1 | 3 | 3384 | U-BOLT, 1/2-13 UNC x 3" PIPE
2 | 1 | 2800 | PMK, COLUMN STABILIZER
3 | 1 | 3383 | PLATE, BMK BASE
4 | 2 | 3153 | Bolt-3/8-16UNC x 1Lg-H-SZP
5 | 5 | 3091 | WASHER, 3/8" SAE, PLTD
6 | 1 | 3199 | ANGLE, PMK STABILIZER
7 | 1 | 9706 | ARM, MOUNTING, 750mm
8 | 8 | 3159 | Lockwasher-3/8-Split-SZP
9 | 9 | 2785 | Nut-3/8-16UNC-H-SZP
10 | 1 | SEE TABLE | BRACKET, MTG ATTACH ASSY
11 | 2 | 2941 | WASHER, FLAT 1/2"
12 | 2 | 4372 | NUT-1/2-13 UNC-H-SZP
13 | 2 | 4373 | Lockwasher-1/2-Split-SZP
14 | 2 | 2940 | BOLT 1/2-13UNC x 1 1/4LON, HEXAGON HEAD
15 | 1 | 3093 | Lockwasher-5/8-Split-SZP
16 | 1 | 3122 | Bolt-5/8-11UNC x 1 1/4Lg-H-SZP
17 | 1 | 2944 | EXPANSION BOLT, 3/8" X 2 1/4 LG.

**ITEM** | **QTY** | **CCI PART NO.** | **DESCRIPTION**
---|---|---|---
18 | 1 | SEE TABLE | BRACKET, MTG ATTACH ASSY
19 | 1 | 3120 | BOLT 1/2-13UNC x 1 1/4LON, HEXAGON HEAD
20 | 1 | 3094 | Lockwasher-5/8-Split-SZP
21 | 1 | 3123 | Bolt-5/8-11UNC x 1 1/4Lg-H-SZP
22 | 1 | 2945 | EXPANSION BOLT, 3/8" X 2 1/4 LG.

**TABLE 1. - MOUNTING BRACKET DIMENSIONS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HEATER BRACKET PART NO.</th>
<th>DIM 'A'</th>
<th>DIM 'B'</th>
<th>DIM 'C'</th>
</tr>
</thead>
<tbody>
<tr>
<td>9729</td>
<td>9677</td>
<td>665.0</td>
<td>695.0</td>
<td>316.0</td>
</tr>
<tr>
<td>9726</td>
<td>9676</td>
<td>564.0</td>
<td>594.0</td>
<td>209.6</td>
</tr>
<tr>
<td>9727</td>
<td>9675</td>
<td>462.0</td>
<td>492.0</td>
<td>152.0</td>
</tr>
</tbody>
</table>

**NOT SHOWN FOR CLARITY**

- **SUPLIED BY CUSTOMER**
- THREE 3/8" GRADE 5 BOLTS OR EQUIVALENT STRENGTH FASTENERS AND A SUPPORTING STRUCTURE

**PART NO.** | **HEATER BRACKET PART NO.** | **DIM 'A'** | **DIM 'B'** | **DIM 'C'**
---|---|---|---|---
739.5 | 29 1/8" | 736.5 | 20 1/8" | 585.5

**SUPLIED BY CUSTOMER**

- THREE 3/8" SCH. 40 PIPE 25ft (7.6m) MAX. LENGTH
ITEM | QTY | CCI PART NO. | DESCRIPTION
--- | --- | --- | ---
1 | 3 | 3384 | U-BOLT, 1/2-13 UNC x 3" PIPE
2 | 1 | 2800 | PMK, COLUMN STABILIZER
3 | 1 | 3383 | PLATE, SWG, BASE
4 | 2 | 3153 | WASHER, 3/8" SAE, PLTD
5 | 5 | 3091 | WASHER, 3/8" SAE, PLTD
6 | 1 | 3159 | ANGLE, PMK STABILIZER
7 | 1 | 9706 | ARM MOUNTING, 7/8"OD
8 | 9 | 2795 | NUT-3/8-16UNC-H-SZP
9 | 1 | 2600 | ATTACHMENT ASSY, HP12/16 MTG.
10 | 3 | 2803 | Lockwasher-3/8-Spl-HS
11 | 3 | 3122 | Bolt-3/8-16UNC x 1 1/4Lg-H-SZP
12 | 1 | 2884 | EXPANSION BOLT, 3/8" X 2 3/4 LG.
13 | 3 | 3159 | Lockwasher-3/8-Spl-HS

**SUPPLIED BY CUSTOMER**
THREE 3/8"O.D. GRADE 5 BOLTS OR EQUIVALENT STRENGTH FASTENERS AND A SUPPORTING STRUCTURE (NOT SHOWN FOR CLARITY)

**SUPPLIED BY CUSTOMER**
25' (7.6m) MAX. LENGTH

**MOUNTING BRACKETS**
2600 - FR12, FR16, HP12, HP16
2602 - FR20, FR24, HP20, HP24

---

NOTES:

1. O.D. SCH. 40 PIPE
2. 25' (7.6m) MAX. LENGTH
3. **SUPPLIED BY CUSTOMER**
4. ***MOUNTING BRACKETS***
5. **SUPPLIED BY CUSTOMER**
6. THREE 3/8"O.D. GRADE 5 BOLTS OR EQUIVALENT STRENGTH FASTENERS AND A SUPPORTING STRUCTURE (NOT SHOWN FOR CLARITY)