1-1/2 Ton
Convertible Air Handler
TAM4A0A18S11SA

MINIMUM UNIT CLEARANCE TABLE

<table>
<thead>
<tr>
<th>TO COMBUSTIBLE MATERIAL (REQUIRED)</th>
<th>SERVICE CLEARANCE (RECOMMENDED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIDES</td>
<td>2&quot;</td>
</tr>
<tr>
<td>FRONT</td>
<td>0&quot;</td>
</tr>
<tr>
<td>BACK</td>
<td>0&quot;</td>
</tr>
<tr>
<td>INLET DUCT</td>
<td>0&quot;</td>
</tr>
<tr>
<td>OUTLET DUCT</td>
<td>0&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>Flow Control</th>
<th>R-410A Gas Line</th>
<th>R-410A Liq. Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAM4A0A18</td>
<td>49.9</td>
<td>39.6</td>
<td>14.5</td>
<td>17.5</td>
<td>14.5</td>
<td>7.3</td>
<td>26.7</td>
<td>EEV/24V</td>
<td>3/4</td>
<td>3/8</td>
</tr>
</tbody>
</table>

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PRODUCT SPECIFICATIONS

**PRODUCT SPECIFICATIONS**

**MODEL**
TAM4A0A18S11SA

**RATED VOLTS/PH/Hz.**
208-230/1/60

**RATINGS**
See O.D. Specifications

**INDOOR COIL — Type**
Plate Fin

**Rows — F.P.I.**
3 - 14

**Face Area (sq. ft.)**
3.21

**Tube Size (in.)**
3/8

**Refrigerant Control**
EEV

**Drain Conn. Size (in.)**
3/4 NPT

**DUCT CONNECTIONS**
See Outline Drawing

**INDOOR FAN — Type**
Centrifugal

**Diameter-Width (In.)**
11 X 8

**No. Used**
1

**Drive - No. Speeds**
Direct - 3

**CFM vs. in. w.g.**
See Fan Performance Table

**No. Motors — H.P.**
1 - 1/3

**Motor Speed R.P.M.**
825

**Volts/Ph/Hz**
208-230/1/60

**F.L. Amps - L.R. Amps**
2.4 - 4.1

**FILTER**
Filter Furnished?
No

**Type Recommended**
Throwaway

**No.-Size-Thickness**
1 - 16 X 20 - 1 in.

**REFRIGERANT**
R-410A

**Ref. Line Connections**
Brazed

**Coupling or Conn. Size — in. Gas**
3/4

**Coupling or Conn. Size — in. Liq.**
3/8

**DIMENSIONS**
H x W x D

**Crated (In.)**
51 x 20 x 24-1/2

**Uncrated**
49-15/16 x 17-1/2 x 21-13/16

**WEIGHT**
Shipping (Lbs.)/Net (Lbs.)
123/113

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*AM4A0A18S11SA MINIMUM HEATER AIRFLOW CFM*

<table>
<thead>
<tr>
<th>Heater</th>
<th>Minimum Air Speed Tap</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With Heat Pump</td>
</tr>
<tr>
<td>BAYEAA0C05BK1AA</td>
<td>Tap 1</td>
</tr>
<tr>
<td>BAYEAA05LG1AA</td>
<td></td>
</tr>
</tbody>
</table>

| BAYEAA0C08BK1AA | Tap 2 | Tap 1 |
| BAYEAA08LG1AA  |       |       |

| BAYEAA10BK1AA  | Tap 3 | Tap 2 |
| BAYEAA10LG1AA  |       |       |

| BAYEABC15BK1AA | -     | -     |
| BAYEABC20BK1AA | -     | -     |

**SEE AIR HANDLER NAMEPLATE OR PRODUCT DATA FOR EXCEPTIONS**

* May be "A" or "T"

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**Note:** Heating and cooling speeds are the same, factory set at Speed Tap #2.
### AIRFLOW PERFORMANCE

**AM4A0A18S11SA**

<table>
<thead>
<tr>
<th>EXTERNAL STATIC (in w.g)</th>
<th>AIRFLOW (CFM)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Speed Taps - 230 VOLTS</strong></td>
<td><strong>Speed Taps - 208 VOLTS</strong></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>2 †</td>
</tr>
<tr>
<td>0</td>
<td>1091</td>
<td>743</td>
</tr>
<tr>
<td>0.1</td>
<td>1024</td>
<td>719</td>
</tr>
<tr>
<td>0.2</td>
<td>952</td>
<td>690</td>
</tr>
<tr>
<td>0.3</td>
<td>875</td>
<td>651</td>
</tr>
<tr>
<td>0.4</td>
<td>799</td>
<td>601</td>
</tr>
<tr>
<td>0.5</td>
<td>726</td>
<td>536</td>
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<tr>
<td>0.6</td>
<td>621</td>
<td>431</td>
</tr>
<tr>
<td>0.7</td>
<td>500</td>
<td>320</td>
</tr>
<tr>
<td>0.8</td>
<td>321</td>
<td>N/A</td>
</tr>
<tr>
<td>0.9</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Values are with wet coil and without filters.
2. Contact your particular filter manufacturer for pressure drop data.
3. Electric heater pressure drop is negligible and is included within the airflow data.
4. † Factory Setting
* May be “A” or “T”

### WIRING DATA

**AM4A0A18S11SA**

<table>
<thead>
<tr>
<th>Heater Model No.</th>
<th>No. of Circuits</th>
<th>240 VOLT</th>
<th>208 VOLT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Capacity</td>
<td>Heater</td>
<td>Minimum</td>
</tr>
<tr>
<td></td>
<td>kW</td>
<td>Amps/</td>
<td>Circuit</td>
</tr>
<tr>
<td></td>
<td>BTUH</td>
<td>Circuit</td>
<td>Ampacity</td>
</tr>
<tr>
<td>No Heater</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BAYEAAC05++</td>
<td>1</td>
<td>4.80</td>
<td>16400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0**</td>
<td></td>
</tr>
<tr>
<td>BAYEAAC08++</td>
<td>1</td>
<td>7.68</td>
<td>26200</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BAYEAAC10++</td>
<td>1</td>
<td>9.60</td>
<td>32800</td>
</tr>
</tbody>
</table>
|                  | Note: ** Motor Amps
* May be “A” or “T”

**Notes:**
1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.
Mechanical Specifications

- Air-Tite II™ Cabinet
  - Double Wall Foamed and Formed Cabinet System
  - Water Proof Cabinet Design
  - R-4.2 Insulating Value
  - Composite Foamed Cabinet Doors
  - Sweat Eliminating Cabinet Design
  - Loose Fiber Eliminating Cabinet Design
  - Smooth Cleanable Cabinet Design
  - 2% or Less air leakage
  - Precision Durable Door Seals
  - Quarter Turn Phillips Head Door Fasteners
  - 5/16" Allen Wrench “Quick Latch” Modular Cabinet
- Multi-Position UP/Down Flow Horizontal Left / Right
- Side Return Option
- Braze in Refrigerant Connection
- Primary/Secondary Condensate Connections
- Conduit Connection with Easy Removal Plugs
- Alert Port to view Codes without door removal
- Vortica® Blower with Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Blower
- Control Protection Pocket
- Aluminum Coil with Integrated Slide Deck for Easy Removal

- Polarized Plug connections on Coil EEV
- Slide in Electric Heaters
- Polarized Plug connections for Electric Heater
- Labeled Panels and connections
- 1-1/4" to 1" And 3/4" to 1/2" Conduit connection on Left, Right and Top
- Molded in 1" Standard Filter rail
- Electronic Expansion Valve (EEV) With Low Ambient and Low Superheat Protection
- Dual Refrigerant Compatible as Shipped
- Low Voltage Terminal Connection Point
- 8 Alert Codes
- Enhanced Coil Fin Patented
- Blow Through Design
- PSC 3 Speed Motor
- Maximum Width of 23.5"
- Compact 20.8" depth with doors removed
- Integrated Horizontal Drain pans
- Single Color
- Fused 24V Power
- Safety Door Switch
- 1 Year Warranty
- 10 Year Warranty Registered
- Warranty Mirrors Outdoor
- Optional extended warranty available

Trane
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Tyler, TX 75707

The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.