Product Data

Split System Air Conditioner
3–Phase, 208/230V
3–Phase, 460V

4TTA4036A3000A
4TTA4042A3000A
4TTA4048A3000A
4TTA4060A3000A
4TTA4036A4000A
4TTA4042A4000A
4TTA4048A4000A
4TTA4060A4000A

Note: “Graphics in this document are for representation only. Actual model may differ in appearance.”
## Product Specifications

<table>
<thead>
<tr>
<th>Model No. (a) [b]</th>
<th>4TTA4036A3000A</th>
<th>4TTA4042A3000A</th>
<th>4TTA4048A3000A</th>
<th>4TTA4060A3000A</th>
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<tr>
<td><strong>MIN. BRCH. CIR. AMPCITY</strong></td>
<td>12</td>
<td>15</td>
<td>18</td>
<td>21</td>
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<td><strong>BR. CIR. PROT. RTG. — MAX. (AMPS)</strong></td>
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<td>25</td>
<td>30</td>
<td>35</td>
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<tr>
<td><strong>COMPRESSOR</strong></td>
<td>CLIMATUFF®- SCROLL</td>
<td>CLIMATUFF®- SCROLL</td>
<td>CLIMATUFF®- SCROLL</td>
<td>CLIMATUFF®- SCROLL</td>
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<td><strong>R.L. AMPS (d) — L.R. AMPS</strong></td>
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<td>13.8— 83</td>
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<td><strong>Fan HP</strong></td>
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<td>1/5</td>
<td>1/5</td>
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<tr>
<td><strong>Fan Dia (inches)</strong></td>
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<td><strong>Coil</strong></td>
<td>SPINE FIN™</td>
<td>SPINE FIN™</td>
<td>SPINE FIN™</td>
<td>SPINE FIN™</td>
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<tr>
<td><strong>Refrigerant R-410A</strong> (e)</td>
<td>6 LBS., 1 OZ</td>
<td>6 LBS., 7 OZ</td>
<td>6 LBS., 9 OZ</td>
<td>7 LBS., 10 OZ</td>
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<tr>
<td><strong>LINE SIZE — IN. O.D. GAS</strong> (f) (g)</td>
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<td>7/8</td>
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<tr>
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<td>3/8</td>
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<td><strong>Charge Spec. Subcooling</strong></td>
<td>10°F</td>
<td>12°F</td>
<td>10°F</td>
<td>10°F</td>
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<tr>
<td><strong>Dimensions H x W X D Crated (IN.)</strong></td>
<td>38 x 30.1 x 33</td>
<td>34.4 x 35.1 x 38.7</td>
<td>34.4 x 35.1 x 38.7</td>
<td>42.4 x 35.1 x 38.7</td>
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<tr>
<td><strong>Weight — Shipping (lbs.)</strong></td>
<td>183</td>
<td>216</td>
<td>212</td>
<td>246</td>
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<tr>
<td><strong>Weight — Net (lbs.)</strong></td>
<td>156</td>
<td>184</td>
<td>189</td>
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</table>

### Optional Accessories:

- **Evaporator Defrost Control**: AY28X079
- **Rubber Isolator Kit**: BAYISLT101
- **Extreme Condition Mount Kit**: BAYECMT0023
- **Seacoast Kit**: BAYSEAC001
- **Low Ambient Kit**: BAYLOAM103
- **Refrigerant Lineset**: TAYREFL7*
- **Sound Enclosure**: BAYSDEN003
- **Snow Legs — 6”**: BAYLEGS002
- **Snow Legs Extension — 4”**: BAYLEGS003
- **Service Valve Panel Cover**: TAYSVPNAL0032AA

(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
(b) Rated in accordance with AHRI standard 270.
(c) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.
(d) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.
(e) This value approximate. For more precise value see unit nameplate.
(f) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or refrigerant piping application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
(g) Trane outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit and 15 feet of tested connecting lines. If connecting line length exceeds 15 feet, then final refrigerant charge adjustment is necessary. Each additional foot over 15 feet requires 0.6 ozs of refrigerant. See the Installer’s Guide for full charging instructions.
(h) This value approximate. For more precise value see unit nameplate.
(i) * = 15, 20, 25, 30, 40 and 50 foot lineset available.
## Product Specifications

<table>
<thead>
<tr>
<th>Model No. (a) (b)</th>
<th>4TTA4036A4000A</th>
<th>4TTA4042A4000A</th>
<th>4TTA4048A4000A</th>
<th>4TTA4060A4000A</th>
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<td>460/3/60</td>
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<tr>
<td>Fan HP</td>
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<td>1/5</td>
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<td>189</td>
<td>211</td>
</tr>
</tbody>
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### Optional Accessories:

- **Evaporator Defrost Control**: AY28X079, AY28X079, AY28X079, AY28X079
- **Rubber Isolator Kit**: BAYISLT101, BAYISLT101, BAYISLT101, BAYISLT101
- **Extreme Condition Mount Kit**: BAYECMT0023, BAYECMT004, BAYECMT004, BAYECMT004
- **Seacoast Kit**: BAYSEAC001, BAYSEAC001, BAYSEAC001, BAYSEAC001
- **Low Ambient Kit**: BAYLOAM103, BAYLOAM103, BAYLOAM103, BAYLOAM103
- **Refrigerant LIneset (i)**: TAYREFLN7*, TAYREFLN7*, TAYREFLN3*, TAYREFLN3*
- **Sound Enclosure**: BAYSDEN003, BAYSDEN004, BAYSDEN004, BAYSDEN004
- **Snow Legs — 6”**: BAYLEGS002, BAYLEGS002, BAYLEGS002, BAYLEGS002
- **Snow Legs Extension — 4”**: BAYLEGS003, BAYLEGS003, BAYLEGS003, BAYLEGS003
- **Service Valve Panel Cover**: TAYSVPANL3343AA, TAYSVPANL0032AA, TAYSVPANL0032AA, TAYSVPANL0044AA

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(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
(b) Rated in accordance with AHRI standard 270.
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<table>
<thead>
<tr>
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<th>A-Weighted Sound Power Level [db(A)]</th>
<th>Full Octave Sound Power(dB)</th>
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<td>TTA4060A</td>
<td>71</td>
<td>81</td>
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</table>

Note: Rated in accordance with AHRI Standard 270–2008 *For Reference Only
Accessory Description and Usage

**Anti-Short Cycle Timer** — Solid state timing device that prevents compressor recycling until five (5) minutes have elapsed after satisfying call or power interruptions. Use in area with questionable power delivery, commercial applications, long lineset, etc.

**Evaporation Defrost Control** — SPST Temperature actuated switch that cycles the condenser off as indoor coil reaches freeze-up conditions. Used for low ambient cooling to 30°F with TXV.

**Rubber Isolators** — Five (5) large rubber donuts to isolate condensing unit from transmitting energy into mounting frame or pad. Use on any application where sound transmission needs to be minimized.

**Hard Start Kit** — Start capacitor and relay to assist compressor motor startup. Use in areas with marginal power supply, on long linesets, low ambient conditions, etc.

**Extreme Condition Mount Kit** — Bracket kits to securely mount condensing unit to a frame or pad without removing any panels. Use in areas with high winds, or on commercial roof tops, etc.

**AHRI Standard Capacity Rating Conditions**

AHRI Standard 210/240 Rating Conditions
1. Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
2. High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
3. Low Temperature Heating 17°F DB air entering indoor coil.
4. Rated indoor airflow for heating is the same as for cooling.

**AHRI Standard 270 Rating Conditions** — (Noise rating numbers are determined with the unit in cooling operations.) Standard Noise Rating number is at 95°F outdoor air.

Model Nomenclature

---

Outdoor Units

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<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<tr>
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<td>V</td>
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<td></td>
<td></td>
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</table>

- **Refrigerant Type**
  - 2 = R-22
  - 4 = R-410A

- **Product Type**
  - W = Split Heat Pump
  - T = Split Cooling

- **Product Family**
  - V = Variable Speed
  - Z = Leadership - Two Stage
  - X = Leadership
  - R = Replacement/Retail

- **Family SEER**
  - 3 = 13
  - 4 = 14
  - 5 = 15
  - 6 = 16
  - 0 = 20

- **Split System Connections**
  - 1 = 1-6Tons
  - 0 = Brazed

- **Nominal Capacity in 000s of BTUs**

- **Major Design Modifications**

- **Power Supply**
  - 1 = 208-230/1/60 or 208-230/1/60
  - 3 = 208-230/3/60
  - 4 = 460/3/60

- **Secondary Function**

- **Minor Design Modifications**

- **Unit Parts Identifier**
Schematic Diagrams

Figure 1. D157062P04 — 230V Models

70 POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

COLOR OF WIRE
SK/WHT BLACK WIRE WITH BLUE MARKER
BL BLUE OR ORANGE YL YELLOW
RD RED OR RED OR GREEN
BR BROWN RW WHITE PR PURPLE

CA COOLING ANTICIPATOR
CH COMBINATION THERMO.
CF CONTROL FAN COIL
CM COMPRESSOR
CP CONTROLLER
CS COMPRESSOR STOP
DC STARTER CAPACITOR
DP STARTER UPLIFTING RELAY
DT DRAIN年龄 THERMISTOR
EV ENTRANCE FAN HEAT
HA HEATING ANTICIPATOR
HP HIGH PRESSURE CIRCUIT SW
ISO INTERNAL OVERLOAD PROTECTOR
IPO LOW PRESSURE CIRCUIT ON.
IU INTEGRATED OVERLOAD
ITC OUTSIDE THERMISTOR
OCP OUTSIDE TEMPERATURE SENSOR
OST OUTSIDE THERMISTOR
P1 RESISTANCE W HUMIDITY
P2 RESISTANCE HEATING
PH SYSTEM "ON" "OFF" SWITCH
PK EXCHANGE LINE IN/OUT
PM TRANSFORMER
PZ REHEAT COOLING THERMOSTAT
PF REHEAT THERMOSTAT

NOTE
THIS PAGE MOUNT ON FACTORY INSTALLED IN THIS EQUIPMENT IS RELAYED SIMILAR TO CONDITIONS.

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

NOTES:
1. IF OIT-C IS NOT USED AND JUMPER BETWEEN NO. 1 & NO. 2 ON AIR HANDLES
   IF USED, OIT-C MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF OIT-A IS NOT USED AND JUMPER BETWEEN NO. 1 & NO. 2 ON AIR HANDLES
3. LOW VOLTAGE (24 V) FIELD WIRING MUST BE 18 AWG MIN.

LEGEND-EQUIPMENT DIAGRAM

- 120 V. 2-LINE WIRING
- FACTORY WIRING
- 24 V. 2-LINE WIRING
- FIELD WIRING
- GROUND
- WIRE NUT OR CONNECTOR
- CAPACITOR
- RELAY CONTACT (N.O.)
- RELAY CONTACT (N.C.)

PRINTED FROM D157062P04 REV B
Figure 2. D157075P05 — 460V Models

To Power Supply Per Unit Nameplate and Local Codes

Legend - Equipment Diagram

- Factory Wiring
- Line V
- 24 V
- Junction - Wire Nut or Connector
- Ground
- Coil
- Capacitor
- Switch
- Resistor or Heating Element
- Terminal

Typical Air Handler

Typical Thermostat

For Canadian Installations

Pour Installations Canadiennes

Note: Not suitable for use on systems exceeding 150V. Do not connect to ground. Always use a ground fault circuit interrupter. Internal overload protector and pressure actuated switch must be protected by an external circuit breaker or fuse. Low voltage 24 V control wiring must be 18 AWG min.
### Outline Drawing

#### Table

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<tr>
<th>Model</th>
<th>Base</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<th>G</th>
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Mechanical Specification Options

General
The Outdoor Units are fully charged from the factory for up to 15 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing
Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish on all louvered panels and the fan top panel. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test. The base is made of a CMBP-G30 weatherproof material to resist corrosion.

Refrigerant Controls
Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory supplied liquid line drier is standard. Some models may require field installation.

Compressor
The compressor features internal over temperature, pressure protection and total dipped hermetic motor. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil
The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling
As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.
Evaporator Defrost Control — See Low Ambient Cooling.
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