

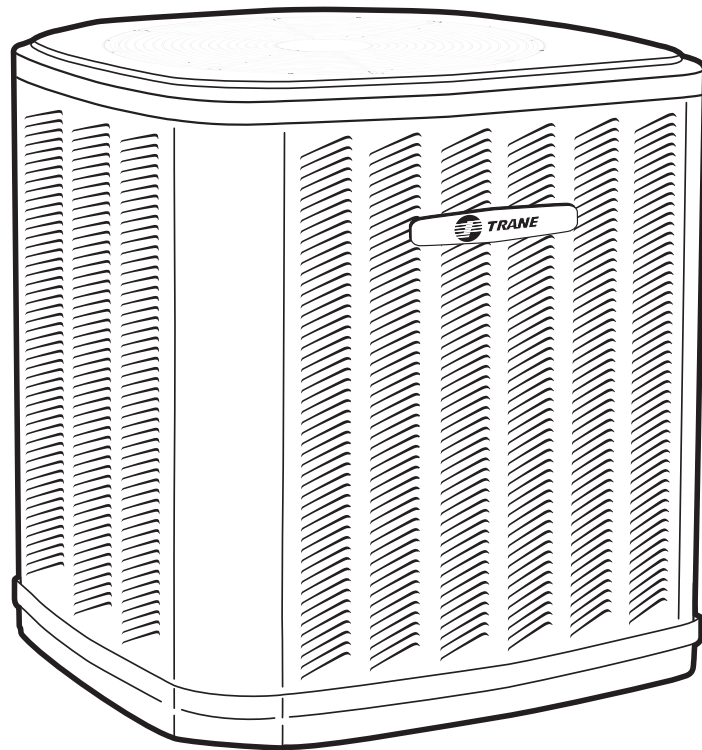


# Split System Cooling Product & Performance Data

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**2TTB0030-060A**

**2½ – 5 Tons**



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**22-1739-04**



# General Features

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## Split System Cooling Units . . . The Evolution Continues

2TTB0 split systems represent a product that is not only an engineer's dream, it's also a customer's dream. The design team's mission and accomplishment is enhanced performance and efficiency, improved reliability and durability, and improved installability and serviceability.

Trane's experienced design team applied "six sigma principles", the latest computer

technology and customer research to develop the next generation of leadership products.

Couple the Trane reputation for reliability and durability with the above mentioned mission and accomplishments and you continue to have systems that prove "It's Hard to Stop a Trane®."



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## Features and Benefits

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- **Climatuff**® compressor
- All aluminum **Spine Fin**™ coil
- **DuraTuff**™ base, fast complete drain, weather proof
- New cabinet with anthracite base and polystate gray cabinet
- **Quick-Sess**™ cabinet, service access and refrigerant connections with full coil protection
- Corrosion resistant finish and fasteners
- High/low pressure & temperature protection
- Liquid line filter-drier
- Easy single side service
- Multi-use liquid and suction line service valves
- Easy top & fan removal
- Full length control cover
- **Sure Fast**™ seams louver panel removal
- HCFC-22 refrigerant
- **Extended warranties available**
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55°F as shipped
- Low ambient to 40°F with EDC accessory AY28X079
- Low ambient cooling to 30°F with EDC accessory AY28X079 and TXV



# Features and Benefits

## Optional Equipment

### OPTIONAL EQUIPMENT FOR CONDENSING UNITS (Check mark [✓] indicates accessories included).

|   |                 |
|---|-----------------|
| Indoor Thermostats — Electronic Setback .....                     | TAYSTAT300C [ ] |
| Electronic, 1 Htg. (Gas)/1 Clg. (Non Prog.) .....                 | TAYSTAT370 [ ]  |
| Electronic, 1 Htg. (Elec.)/ 1 Clg. (Non Prog.) <sup>②</sup> ..... | TAYSTAT371 [ ]  |
| Heating/Cooling — Horizontal .....                                | AY28X092 [ ]    |
| Cooling Only with Fan Switch .....                                | BAYSTAT304 [ ]  |
| Heating/Cooling — Vertical .....                                  | BAYSTAT305 [ ]  |
| Thermostat Locking Cover .....                                    | BAY28X190 [ ]   |
| Outdoor Thermostats 46°F. to -10°F. (Adjustable) .....            | TAYSTAT250B [ ] |
| Evaporator Defrost Control .....                                  | AY28X079 [ ]    |
| Indoor Fan Delay Relay Kit .....                                  | BAY24X045 [ ]   |
| Quick-Start Kit (2TTB0030-060A) .....                             | BAYKSKT257 [ ]  |
| 5 Minute Delay Relay <sup>①</sup> .....                           | TAYASCT501A [ ] |
| Outdoor Temperature Sensor .. (TAYSTAT300C) .....                 | TAYSENS100A [ ] |
| Extreme Conditions Kit .....                                      | BAYECMT001 [ ]  |
| Seacoast Kit .....  | BAYSEAC001 [ ]  |

<sup>①</sup> Not used with programmable thermostats

<sup>②</sup> Specifically designed for electric heat applications (instant on fan)

### BRAZED TUBING REFRIGERANT LINE SETS (All Suction Lines are Insulated.)

|  |                 |
|--|-----------------|
| 3/4" ODM (90° bend, one end), 3/4" & 5/16" tubing .....    | TAYREFLN2_* [ ] |
| 7/8" ODM (90° bend, one end), 7/8" & 3/8" tubing .....     | TAYREFLN3_* [ ] |
| 1-1/8" ODM (90° bend, one end), 1-1/8" & 3/8" tubing ..... | TAYREFLN4_* [ ] |

\* Line lengths: 15, 20, 25, 30, 40 & 50 ft. Insert desired line length in catalog number at right for the complete number.  
Example: TAYREFLN220

## Low Outdoor Ambient Cooling

| Low Ambient Cooling           | As Manufactured | Evaporator Defrost Control |
|-------------------------------|-----------------|----------------------------|
| FCCV Accutron™                | 55°F            | 40°F                       |
| Thermal Expansion Valve (TXV) | 55°F            | 30°F                       |

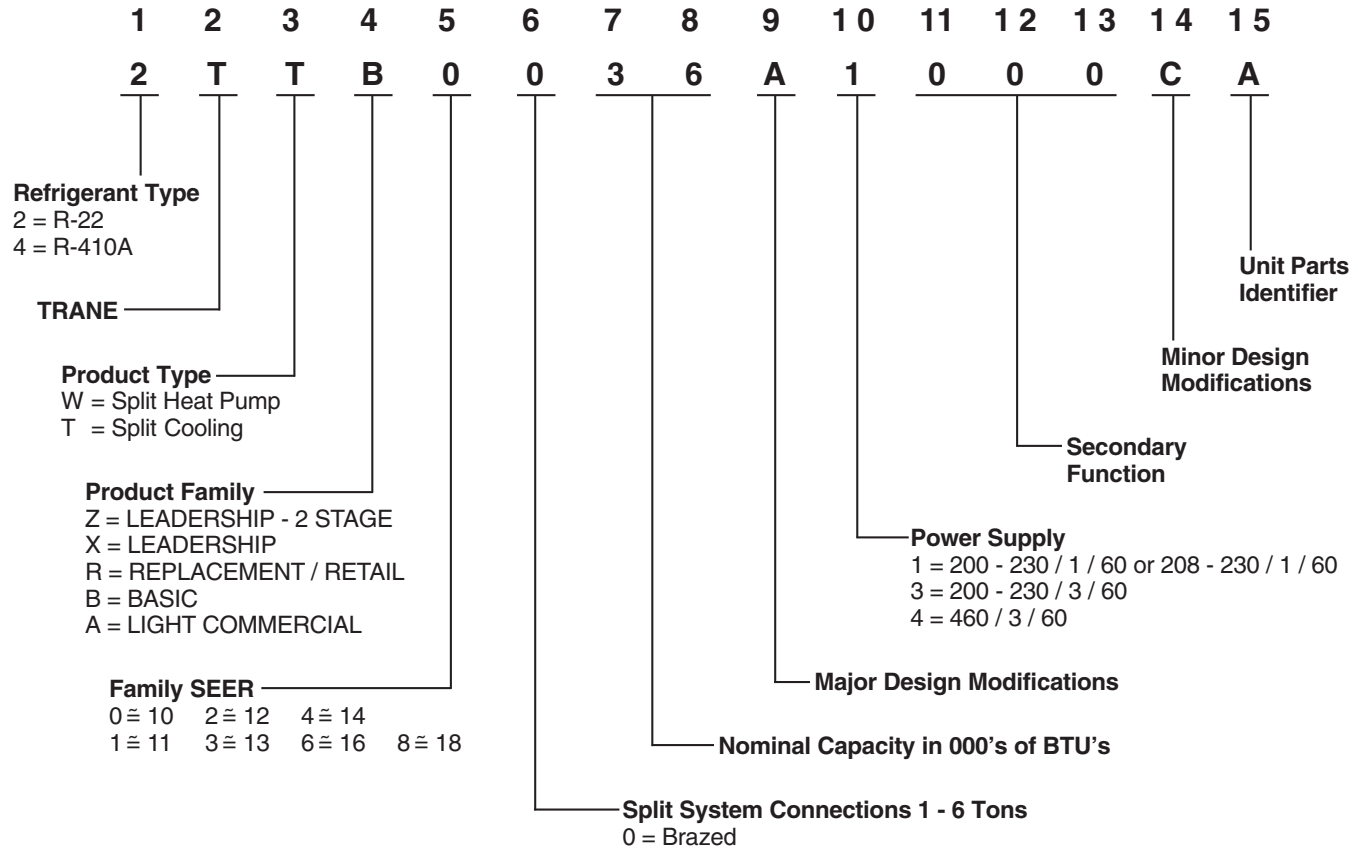
## A.R.I. Standard Capacity Rating Conditions

**A.R.I. STANDARD 210/240 RATING CONDITIONS** — (A) Cooling 80°F. D.B., 67°F. W.B. air entering indoor coil, 95°F. D.B. air entering outdoor coil.



# Selection Procedure

## Model Number Nomenclature





# General Data

## 2TTB0030A1000C

| OUTDOOR UNIT                      | 2TTB0030A1000C     |
|-----------------------------------|--------------------|
| <b>SOUND RATING (DECIBELS)</b>    | 81                 |
| <b>POWER CONNS. — V/PH/Hz</b> ①   | 200/230/1/60       |
| MIN. BRCH. CIR. AMPACITY          | 17                 |
| BR. CIR. PROT. RTG. - MAX. (AMPS) | 30                 |
| <b>COMPRESSOR</b>                 | CLIMATUFF®         |
| NO. USED - NO. SPEEDS             | 1 - 1              |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| R.L. AMPS ⑤ - L.R. AMPS           | 13.2 - 70.5        |
| FACTORY INSTALLED                 |                    |
| START COMPONENTS ⑥                | NO                 |
| INSULATION/SOUND BLANKET          | NO                 |
| COMPRESSOR HEAT                   | NO                 |
| <b>OUTDOOR FAN — TYPE</b>         | PROPELLER          |
| DIA. (IN.) - NO. USED             | 19 - 1             |
| TYPE DRIVE - NO. SPEEDS           | DIRECT - 1         |
| CFM @ 0.0 IN. W.G. ②              | 2175               |
| NO. MOTORS - HP.                  | 1 - 1/8            |
| MOTOR SPEED R.P.M.                | 1075               |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| F.L. AMPS                         | 0.9                |
| <b>OUTDOOR COIL — TYPE</b>        | SPINE FIN™         |
| ROWS - F.P.I.                     | 1 - 24             |
| FACE AREA (SQ. FT.)               | 9.72               |
| TUBE SIZE (IN.)                   | 3/8                |
| <b>REFRIGERANT</b>                | R-22               |
| (O.D. UNIT) NP CHR.G. ③           | 4/00-LB/OZ         |
| FIELD SUPPLIED                    | YES                |
| LINE SIZE - IN. O.D. GAS ④        | 3/4                |
| LINE SIZE - IN. O.D. LIQ. ④       | 5/16               |
| <b>FCCV</b>                       |                    |
| RESTRICTOR ORIFICE SIZE           | 0.065              |
| <b>DIMENSIONS</b>                 | H X W X D          |
| OUTDOOR UNIT CRATED (IN.)         | 30.1 X 26.7 X 30.2 |
| UNCRATED                          | SEE OUTLINE DWG.   |
| <b>WEIGHT</b>                     |                    |
| SHIPPING (LBS.)                   | 169                |
| NET (LBS.)                        | 150                |

- ① Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- ② Standard Air — Dry Coil — Outdoor
- ③ This value approximate. For more precise value see unit nameplate.
- ④ Max. linear length 80 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft.  
For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).
- ⑤ 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.
- ⑥ No means no start components. Yes means quick start kit components.  
PTC means positive temperature coefficient starter.





# General Data

## 2TTB0036A1000C

| OUTDOOR UNIT                      | 2TTB0036A1000C     |
|-----------------------------------|--------------------|
| <b>SOUND RATING (DECIBELS)</b>    | 80                 |
| <b>POWER CONNS. — V/PH/HZ</b> ①   | 200/230/1/60       |
| MIN. BRCH. CIR. AMPACITY          | 20                 |
| BR. CIR. PROT. RTG. - MAX. (AMPS) | 35                 |
| <b>COMPRESSOR</b>                 | CLIMATUFF®         |
| NO. USED - NO. SPEEDS             | 1 - 1              |
| VOLTS/PH/HZ                       | 200/230/1/60       |
| R.L. AMPS ③ - L.R. AMPS           | 15.3 - 86.5        |
| FACTORY INSTALLED                 |                    |
| START COMPONENTS ⑥                | NO                 |
| INSULATION/SOUND BLANKET          | NO                 |
| COMPRESSOR HEAT                   | NO                 |
| <b>OUTDOOR FAN — TYPE</b>         | PROPELLER          |
| DIA. (IN.) - NO. USED             | 19 - 1             |
| TYPE DRIVE - NO. SPEEDS           | DIRECT - 1         |
| CFM @ 0.0 IN. W.G. ②              | 2175               |
| NO. MOTORS - HP.                  | 1 - 1/8            |
| MOTOR SPEED R.P.M.                | 1075               |
| VOLTS/PH/HZ                       | 200/230/1/60       |
| F.L. AMPS                         | 0.9                |
| <b>OUTDOOR COIL — TYPE</b>        | SPINE FIN™         |
| ROWS - F.P.I.                     | 1 - 24             |
| FACE AREA (SQ. FT.)               | 9.72               |
| TUBE SIZE (IN.)                   | 3/8                |
| <b>REFRIGERANT</b>                | R-22               |
| (O.D. UNIT) NP CHR.G. ③           | 4/12-LB/OZ         |
| FIELD SUPPLIED                    | YES                |
| LINE SIZE - IN. O.D. GAS ④        | 7/8                |
| LINE SIZE - IN. O.D. LIQ. ④       | 3/8                |
| <b>FCCV</b>                       |                    |
| RESTRICTOR ORIFICE SIZE           | 0.071              |
| <b>DIMENSIONS</b>                 | H X W X D          |
| OUTDOOR UNIT CRATED (IN.)         | 30.1 X 26.7 X 30.2 |
| UNCRATED                          | SEE OUTLINE DWG.   |
| <b>WEIGHT</b>                     |                    |
| SHIPPING (LBS.)                   | 175                |
| NET (LBS.)                        | 156                |

- ① Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- ② Standard Air — Dry Coil — Outdoor
- ③ This value approximate. For more precise value see unit nameplate.
- ④ Max. linear length 80 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft.  
For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).
- ⑤ 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.
- ⑥ No means no start components. Yes means quick start kit components.  
PTC means positive temperature coefficient starter.







# General Data

## 2TTB0042A1000C

| OUTDOOR UNIT                      | 2TTB0042A1000C     |
|-----------------------------------|--------------------|
| <b>SOUND RATING (DECIBELS)</b>    | 81                 |
| <b>POWER CONNS. — V/PH/Hz</b> ①   | 200/230/1/60       |
| MIN. BRCH. CIR. AMPACITY          | 23                 |
| BR. CIR. PROT. RTG. - MAX. (AMPS) | 40                 |
| <b>COMPRESSOR</b>                 | CLIMATUFF®         |
| NO. USED - NO. SPEEDS             | 1 - 1              |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| R.L. AMPS ② - L.R. AMPS           | 17.5 - 92          |
| FACTORY INSTALLED                 |                    |
| START COMPONENTS ③                | NO                 |
| INSULATION/SOUND BLANKET          | NO                 |
| COMPRESSOR HEAT                   | NO                 |
| <b>OUTDOOR FAN — TYPE</b>         | PROPELLER          |
| DIA. (IN.) - NO. USED             | 19 - 1             |
| TYPE DRIVE - NO. SPEEDS           | DIRECT - 1         |
| CFM @ 0.0 IN. W.G. ②              | 2500               |
| NO. MOTORS - HP.                  | 1 - 1/4            |
| MOTOR SPEED RP.M.                 | 1075               |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| F.L. AMPS                         | 1.3                |
| <b>OUTDOOR COIL — TYPE</b>        | SPINE FIN™         |
| ROWS - F.P.I.                     | 1 - 24             |
| FACE AREA (SQ. FT.)               | 11.32              |
| TUBE SIZE (IN.)                   | 3/8                |
| <b>REFRIGERANT</b>                | R-22               |
| (O.D. UNIT) NP CHR.G. ③           | 5/15-LB/OZ         |
| FIELD SUPPLIED                    | YES                |
| LINE SIZE - IN. O.D. GAS ④        | 7/8                |
| LINE SIZE - IN. O.D. LIQ. ④       | 3/8                |
| <b>FCCV</b>                       |                    |
| RESTRICTOR ORIFICE SIZE           | 0.075              |
| <b>DIMENSIONS</b>                 | H X W X D          |
| OUTDOOR UNIT CRATED (IN.)         | 33.2 X 26.7 X 30.2 |
| UNCRATED                          | SEE OUTLINE DWG.   |
| <b>WEIGHT</b>                     |                    |
| SHIPPING (LBS.)                   | 208                |
| NET (LBS.)                        | 188                |

① Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

② Standard Air — Dry Coil — Outdoor

③ This value approximate. For more precise value see unit nameplate.

④ Max. linear length 80 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft.

For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).

⑤ 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.

⑥ No means no start components. Yes means quick start kit components.

PTC means positive temperature coefficient starter.





# General Data

## 2TTB0048A1000C

| OUTDOOR UNIT                      | 2TTB0048A1000C     |
|-----------------------------------|--------------------|
| <b>SOUND RATING (DECIBELS)</b>    | 82                 |
| <b>POWER CONNS. — V/PH/Hz</b> ①   | 200/230/1/60       |
| MIN. BRCH. CIR. AMPACITY          | 26                 |
| BR. CIR. PROT. RTG. - MAX. (AMPS) | 45                 |
| <b>COMPRESSOR</b>                 | CLIMATUFF®         |
| NO. USED - NO. SPEEDS             | 1 - 1              |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| R.L. AMPS ③ - L.R. AMPS           | 19.7 - 105         |
| FACTORY INSTALLED                 |                    |
| START COMPONENTS ⑥                | NO                 |
| INSULATION/SOUND BLANKET          | NO                 |
| COMPRESSOR HEAT                   | NO                 |
| <b>OUTDOOR FAN — TYPE</b>         | PROPELLER          |
| DIA. (IN.) - NO. USED             | 19 - 1             |
| TYPE DRIVE - NO. SPEEDS           | DIRECT - 1         |
| CFM @ 0.0 IN. W.G. ②              | 2500               |
| NO. MOTORS - HP.                  | 1 - 1/4            |
| MOTOR SPEED R.P.M.                | 1075               |
| VOLTS/PH/Hz                       | 200/230/1/60       |
| F.L. AMPS                         | 1.3                |
| <b>OUTDOOR COIL — TYPE</b>        | SPINE FIN™         |
| ROWS - F.P.I.                     | 1 - 24             |
| FACE AREA (SQ. FT.)               | 13.75              |
| TUBE SIZE (IN.)                   | 3/8                |
| <b>REFRIGERANT</b>                | R-22               |
| (O.D. UNIT) NP CHR.G. ③           | 6/13-LB/OZ         |
| FIELD SUPPLIED                    | YES                |
| LINE SIZE - IN. O.D. GAS ④        | 1-1/8              |
| LINE SIZE - IN. O.D. LIQ. ④       | 3/8                |
| <b>FCCV</b>                       |                    |
| RESTRICTOR ORIFICE SIZE           | 0.080              |
| <b>DIMENSIONS</b>                 | H X W X D          |
| OUTDOOR UNIT CRATED (IN.)         | 33.2 X 26.7 X 30.2 |
| UNCRADED                          | SEE OUTLINE DWG.   |
| <b>WEIGHT</b>                     |                    |
| SHIPPING (LBS.)                   | 218                |
| NET (LBS.)                        | 198                |

- ① Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- ② Standard Air — Dry Coil — Outdoor
- ③ This value approximate. For more precise value see unit nameplate.
- ④ Max. linear length 80 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft.  
For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).
- ⑤ 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.
- ⑥ No means no start components. Yes means quick start kit components.  
PTC means positive temperature coefficient starter.





# General Data

## 2TTB0060A1000C

| OUTDOOR UNIT                      | 2TTB0060A1000C   |
|-----------------------------------|------------------|
| <b>SOUND RATING (DECIBELS)</b>    | 83               |
| <b>POWER CONNS. — V/PH/Hz</b> ①   | 200/230/1/60     |
| MIN. BRCH. CIR. AMPACITY          | 35               |
| BR. CIR. PROT. RTG. - MAX. (AMPS) | 60               |
| <b>COMPRESSOR</b>                 | CLIMATUFF®       |
| NO. USED - NO. SPEEDS             | 1 - 1            |
| VOLTS/PH/Hz                       | 200/230/1/60     |
| R.L. AMPS ⑤ - L.R. AMPS           | 26.3 - 141       |
| FACTORY INSTALLED                 |                  |
| START COMPONENTS ⑥                | NO               |
| INSULATION/SOUND BLANKET          | NO               |
| COMPRESSOR HEAT                   | NO               |
| <b>OUTDOOR FAN — TYPE</b>         | PROPELLER        |
| DIA. (IN.) - NO. USED             | 23 - 1           |
| TYPE DRIVE - NO. SPEEDS           | DIRECT - 1       |
| CFM @ 0.0 IN. W.G. ②              | 3700             |
| NO. MOTORS - HP.                  | 1 - 1/4          |
| MOTOR SPEED R.P.M.                | 825              |
| VOLTS/PH/Hz                       | 200/230/1/60     |
| F.L. AMPS                         | 1.9              |
| <b>OUTDOOR COIL — TYPE</b>        | SPINE FIN™       |
| ROWS - F.P.I.                     | 1 - 24           |
| FACE AREA (SQ. FT.)               | 18.75            |
| TUBE SIZE (IN.)                   | 3/8              |
| <b>REFRIGERANT</b>                | R-22             |
| (O.D. UNIT) NP CHR.G. ③           | 7/14-LB/OZ       |
| FIELD SUPPLIED                    | YES              |
| LINE SIZE - IN. O.D. GAS ④        | 1-1/8            |
| LINE SIZE - IN. O.D. LIQ. ④       | 3/8              |
| <b>FCCV</b>                       |                  |
| RESTRICTOR ORIFICE SIZE           | 0.089            |
| <b>DIMENSIONS</b>                 | H X W X D        |
| OUTDOOR UNIT CRATED (IN.)         | 38 X 30.1 X 33.8 |
| UNCRATED                          | SEE OUTLINE DWG. |
| <b>WEIGHT</b>                     |                  |
| SHIPPING (LBS.)                   | 256              |
| NET (LBS.)                        | 229              |

- ① Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- ② Standard Air — Dry Coil — Outdoor
- ③ This value approximate. For more precise value see unit nameplate.
- ④ Max. linear length 80 ft.; Max. lift - Suction 60 ft.; Max lift - Liquid 60 ft.  
For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).
- ⑤ 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.
- ⑥ No means no start components. Yes means quick start kit components.  
PTC means positive temperature coefficient starter.



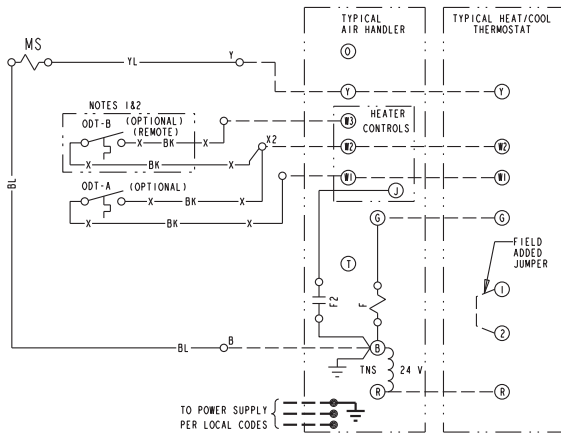
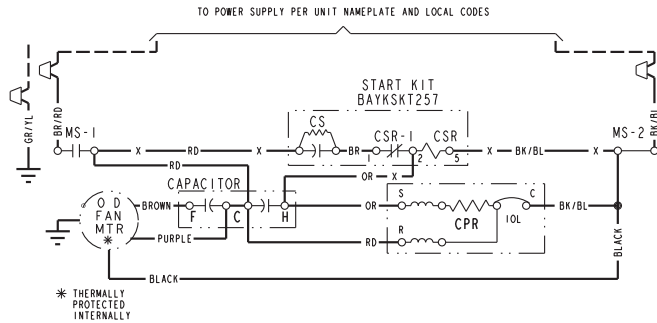


# Electrical Data

## SCHEMATIC DIAGRAMS

(SEE LEGEND)

### 2TTB0030-048A



**NOTES:**

1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

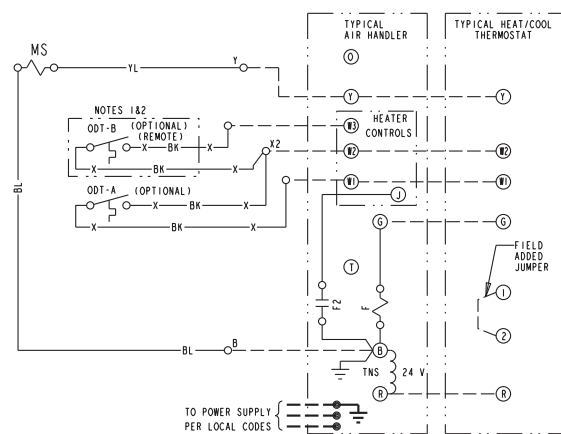
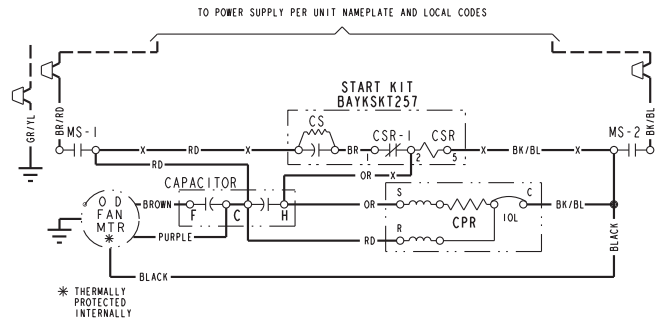
|   |  |
|---|--|
| <p><b>⚠ WARNING</b><br/>HAZARDOUS VOLTAGE!<br/>DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.<br/>FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p> | <p><b>⚠ CAUTION</b><br/>USE COPPER CONDUCTORS ONLY!<br/>UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.<br/>FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!</p> |
|---|--|

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.

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### 2TTB0060A



**NOTES:**

1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

|   |  |
|---|--|
| <p><b>⚠ WARNING</b><br/>HAZARDOUS VOLTAGE!<br/>DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.<br/>FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p> | <p><b>⚠ CAUTION</b><br/>USE COPPER CONDUCTORS ONLY!<br/>UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.<br/>FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!</p> |
|---|--|

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.

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# Electrical Data

## SCHEMATIC DIAGRAMS

### LEGEND

|       |                             |    |        |    |        |
|-------|-----------------------------|----|--------|----|--------|
|       | COLOR OF WIRE               |    |        |    |        |
| BK/BL | BLACK WIRE WITH BLUE MARKER |    |        |    |        |
|       | COLOR OF MARKER             |    |        |    |        |
| BK    | BLACK                       | OR | ORANGE | YL | YELLOW |
| BL    | BLUE                        | RD | RED    | GR | GREEN  |
| BR    | BROWN                       | WH | WHITE  | PR | PURPLE |

### SYMBOL

|  |  |   |                |
|--|--|---|----------------|
|  | 24 V.                                    | } | FACTORY WIRING |
|  | LINE V.                                  |   |                |
|  | 24 V.                                    | } | FIELD WIRING   |
|  | LINE V.                                  |   |                |
|  | FIELD INSTALLED FACTORY WIRING           |   |                |
|  | GROUND                                   |   |                |
|  | JUNCTION                                 |   |                |
|  | WIRE NUT OR CONNECTOR                    |   |                |
|  | COIL                                     |   |                |
|  | CAPACITOR                                |   |                |
|  | RELAY CONTACT (N.O.)                     |   |                |
|  | RELAY CONTACT (N.C.)                     |   |                |
|  | THERMISTOR                               |   |                |
|  | INTERNAL OVERLOAD PROTECTOR              |   |                |
|  | PRESSURE ACTUATED SWITCH                 |   |                |
|  | TEMP. ACTUATED SWITCH                    |   |                |
|  | POL. PLUG FEMALE HOUSING<br>(MALE TERM.) |   |                |
|  | POL. PLUG MALE HOUSING<br>(FEMALE TERM.) |   |                |
|  | RESISTOR OR HEATING ELEMENT              |   |                |
|  | MOTOR WINDING                            |   |                |
|  | TERMINAL                                 |   |                |

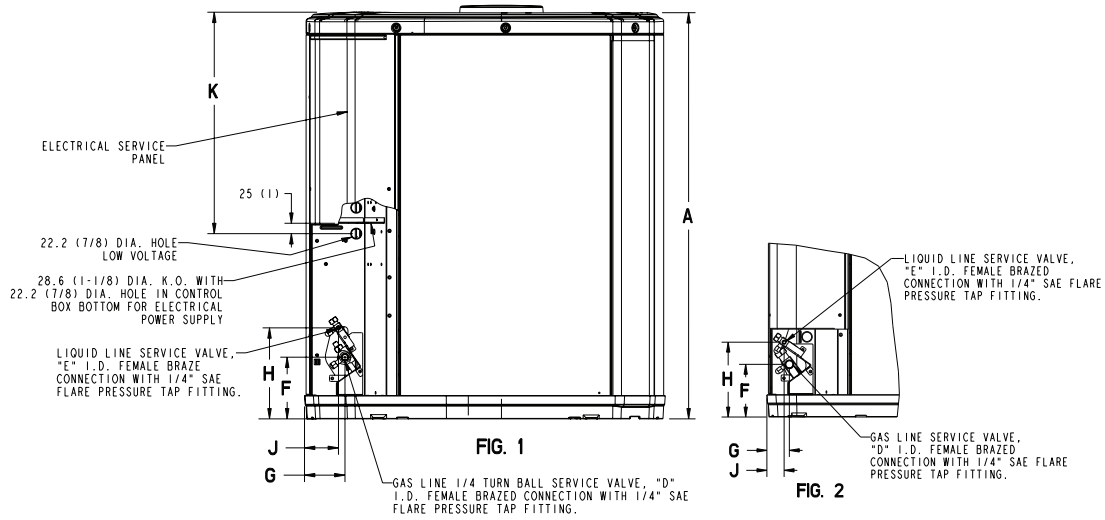
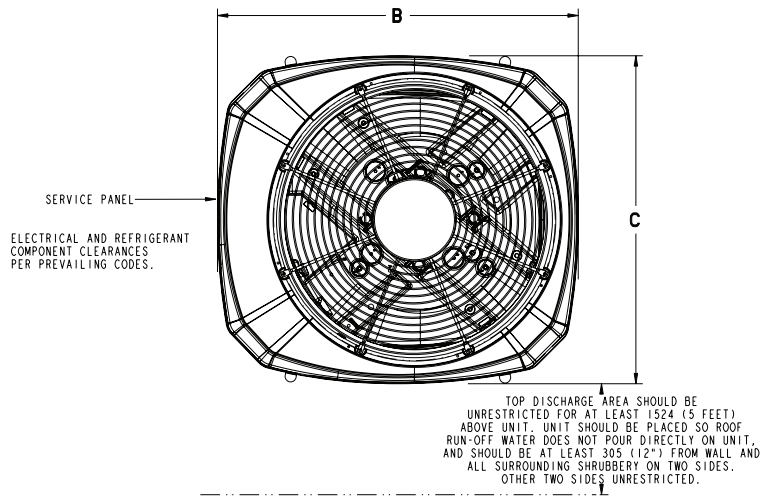
|      |                             |      |                            |
|------|-----------------------------|------|----------------------------|
| CA   | COOLING ANTICIPATOR         | LPCO | LOW PRESSURE CUTOUT SW.    |
| CBS  | COIL BOTTOM SENSOR          | MS   | COMPRESSOR MOTOR CONTACTOR |
| CF   | FAN CAPACITOR               | ODA  | OUTDOOR ANTICIPATOR        |
| CN   | WIRE CONNECTOR              | OFT  | OUTDOOR FAN THERMOSTAT     |
| CPR  | COMPRESSOR                  | ODS  | OUTDOOR TEMPERATURE SENSOR |
| CR   | RUN CAPACITOR               | ODT  | OUTDOOR THERMOSTAT         |
| CS   | STARTING CAPACITOR          | RHS  | RESISTANCE HEAT SWITCH     |
| CSR  | CAPACITOR SWITCHING RELAY   | SC   | SWITCHOVER VALVE SOLENOID  |
| DFC  | DEFROST CONTROL             | SM   | SYSTEM "ON-OFF" SWITCH     |
| F    | INDOOR FAN RELAY            | TDL  | DISCHARGE LINE THERMOSTAT  |
| HA   | HEATING ANTICIPATOR         | TNS  | TRANSFORMER                |
| HPCO | HIGH PRESSURE CUTOUT SW.    | TS   | HEATING-COOLING THERMOSTAT |
| IOL  | INTERNAL OVERLOAD PROTECTOR | TSH  | HEATING THERMOSTAT         |



# Dimensions

## 2TTB0 OUTLINE DRAWING

NOTE: ALL DIMENSIONS ARE IN MM (INCHES)



| MODELS    | BASE | FIG. | A            | B            | C            | D     | E    | F           | G          | H           | J          | K        |
|-----------|------|------|--------------|--------------|--------------|-------|------|-------------|------------|-------------|------------|----------|
| 2TTB0030A | 2    | 2    | 651 (25-5/8) | 724 (28-1/2) | 651 (25-5/8) | 3/4   | 5/16 | 127 (5)     | 57 (2 1/4) | 181 (7-1/8) | 44 (1-3/4) | 457 (18) |
| 2TTB0036A | 2    | 2    | 651 (25-5/8) | 724 (28-1/2) | 651 (25-5/8) | 7/8   | 3/8  | 127 (5)     | 57 (2-1/4) | 181 (7-1/8) | 44 (1-3/4) | 457 (18) |
| 2TTB0042A | 2    | 2    | 730 (28-3/4) | 724 (28-1/2) | 651 (25-5/8) | 7/8   | 3/8  | 137 (5-3/8) | 65 (2-5/8) | 210 (8-1/4) | 57 (2-1/4) | 457 (18) |
| 2TTB0048A | 2    | 2    | 730 (28-3/4) | 724 (28-1/2) | 651 (25-5/8) | 1-1/8 | 3/8  | 137 (5-3/8) | 65 (2-5/8) | 210 (8-1/4) | 57 (2-1/4) | 457 (18) |
| 2TTB0060A | 3    | 1    | 832 (32-3/4) | 829 (32-5/8) | 756 (29-3/4) | 1-1/8 | 3/8  | 143 (5-5/8) | 92 (3-5/8) | 210 (8-1/4) | 79 (3-1/8) | 508 (20) |

From Dwg. 21D153074 Rev. 5



# Mechanical Specification Options

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## General

The 2TTB0 must be 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. 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. Corrosion and weatherproof CMBP-G30 DuraTuff™ base.

## Refrigerant Controls

Refrigeration system controls include condenser fan and compressor contactor. Another standard feature is the liquid line dryer.

## Compressor

The Climatuff® compressor features internal over temperature and pressure protector, total dipped hermetic motor and thermostatically controlled sump heater. Other features include: roto lock suction and discharge refrigeration connections, centrifugal oil pump, and low vibration and noise.

## Condenser Coil

The Spine Fin™ coil shall be continuously wrapped, corrosion resistant all aluminum with minimum brazed joints. This coil is 3/8 inch O.D. seamless aluminum glued to a continuous aluminum fin. Coils are lab tested to withstand 2,000 pounds of pressure per square inch. 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 unit has a cooling capability 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.

## Accessories

**Thermostats** — Heating/Cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

**Evaporator Defrost Control** — See Low Ambient Cooling.

**Outdoor Thermostat** — Supplemental heat outdoor ambient lockout from 46 to -10°F.



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*Since Trane has a policy of continuous product and product data improvement, it reserves the right to change design and specifications without notice.*