XL16i
4TTX6024, 036, 048 & 060C
with ComfortLink™ II and Charge Assist™

2, 3, 4 & 5 Tons
Features and Benefits

- CLIMATUFF™ 2-stage scroll compressor
- Efficiency up to 17.25 SEER
- All Aluminum SPINE FIN™ coil
- WEATHERGUARD™ II top shields unit
- WEATHERGUARD™ fasteners
- QUICK-SESS™ cabinet, service access and refrigerant connections with full coil protection
- DURATUFF™ base, fast complete drain, weather proof
- COMFORT "R"™ mode approved
- COMFORTLINK™ II System-only two wire control connection
- CHARGE ASSIST™- Fast/accurate charging every time
- Glossy corrosion resistant finish
- Internal compressor high/low pressure & temperature protection
- 036 ships with start kit
- 060 ships with start kit and sump heat
- Compressor sump heat
- Liquid line filter/drier
- Tarpaulin gray cabinet with anthracite gray top
- Low sound with advanced fan system and compressor sound insulator
- Variable speed fan
- XL Seacoast shield
- Service valve cover
- R-410A refrigerant
- 70 or 100% capacity modulation
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55° as shipped

- Extended warranties available
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## General Data

### Product Specifications

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<thead>
<tr>
<th>Model No.</th>
<th>4TTX6024C1</th>
<th>4TTX6036C1</th>
<th>4TTX6048C1</th>
<th>4TTX6060C1</th>
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</thead>
<tbody>
<tr>
<td>Electrical Data V/Ph/Hz</td>
<td>230/1/60</td>
<td>230/1/60</td>
<td>230/1/60</td>
<td>230/1/60</td>
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<tr>
<td>Min Cir Ampacity</td>
<td>13</td>
<td>24</td>
<td>28</td>
<td>35</td>
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<tr>
<td>Max Fuse Size (Amps)</td>
<td>20</td>
<td>40</td>
<td>45</td>
<td>60</td>
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<tr>
<td>Compressor</td>
<td>CLIMATUFF® - SCROLL</td>
<td>CLIMATUFF® - SCROLL</td>
<td>CLIMATUFF® - SCROLL</td>
<td>CLIMATUFF® - SCROLL</td>
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<tr>
<td>RL AMPS - LR AMPS</td>
<td>10.3 - 52</td>
<td>16.7 - 82</td>
<td>21.2 - 96</td>
<td>25.6 - 118</td>
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<tr>
<td>Outdoor Fan FL Amps</td>
<td>.60</td>
<td>2.80</td>
<td>1.10</td>
<td>2.80</td>
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<tr>
<td>Fan HP</td>
<td>1/15</td>
<td>1/3</td>
<td>1/5</td>
<td>1/3</td>
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<tr>
<td>Fan Dia (inches)</td>
<td>23</td>
<td>27.6</td>
<td>27.6</td>
<td>27.6</td>
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<tr>
<td>Coil</td>
<td>Spine Fin™</td>
<td>Spine Fin™</td>
<td>Spine Fin™</td>
<td>Spine Fin™</td>
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<tr>
<td>Line Size - (in.) O.D. Gas</td>
<td>5/8</td>
<td>3/4</td>
<td>7/8</td>
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<tr>
<td>Line Size - (in.) O.D. Liquid</td>
<td>5/16</td>
<td>3/8</td>
<td>3/8</td>
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<tr>
<td>Dimensions H x W x D (Crated)</td>
<td>47.6 x 30.1 x 33</td>
<td>49.4 x 35.1 x 38.7</td>
<td>53.4 x 35.1 x 38.7</td>
<td>53.4 x 35.1 x 38.7</td>
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<tr>
<td>Weight - Shipping</td>
<td>256</td>
<td>287</td>
<td>310</td>
<td>355</td>
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<td>Weight - Net</td>
<td>220</td>
<td>242</td>
<td>262</td>
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<td>Start Components</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
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<tr>
<td>Sound Enclosure</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Compressor Sump Heat</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<td>Optional Accessories:</td>
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<tr>
<td>Rubber Isolator Kit</td>
<td>BAYISLT101</td>
<td>BAYISLT101</td>
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<tr>
<td>Snow Leg - Base &amp; Cap 4&quot; High</td>
<td>BAYLEG002</td>
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<td>Snow Leg - 4&quot; Extension</td>
<td>BAYLEG003</td>
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<td>Hard Start Kit Scroll</td>
<td>BAYKSKT260</td>
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<tr>
<td>Extreme Condition Mounting Kit</td>
<td>BAYECMT023</td>
<td>BAYECMT004</td>
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<tr>
<td>Vertical Discharge Air Kit Base 4</td>
<td>BAYVDA003</td>
<td>BAYVDA004</td>
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<tr>
<td>Auto Charge Solenoid Kit</td>
<td>BAYCAK001</td>
<td>BAYCAK001</td>
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<tr>
<td>24 Volt Wiring Harness</td>
<td>BAYACHP024A</td>
<td>BAYACHP024A</td>
<td>BAYACHP024A</td>
<td>BAYACHP024A</td>
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<tr>
<td>Refrigerant Lineset</td>
<td>TAYREFLN*</td>
<td>TAYREFLN*</td>
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### A-weighted Sound Power Level [dB(A)]

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SOUND POWER LEVEL [dB(A)]</th>
<th>A-WEIGHTED FULL OCTAVE SOUND POWER LEVEL dB - [dB(A)]</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>63</td>
<td>125</td>
</tr>
<tr>
<td>4TTX6024C1</td>
<td>73</td>
<td>42.3</td>
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<tr>
<td>4TTX6036C1</td>
<td>72</td>
<td>49.7</td>
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<tr>
<td>4TTX6048C1</td>
<td>75</td>
<td>52.7</td>
</tr>
<tr>
<td>4TTX6060C1</td>
<td>75</td>
<td>52.7</td>
</tr>
</tbody>
</table>

Note: Rated in accordance with AHRI Standard 270-2008
General Data

Accessory Description and Usage

24 Volt Wiring Harness — Used to wire a communicating outdoor unit to an existing 24 Volt indoor section.

Charge Assist™ Solenoid Kit — fast/accurate charging every time.

Rubber Isolators — 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.

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.

Low Ambient Cooling — For low ambient cooling below 55° see Application Guide SSC-APG005-EN.

ARI Standard Capacity Rating Conditions

ARI STANDARD 210/240 RATING CONDITIONS —
(A) Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
(B) High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
(C) Low Temperature Heating 17°F DB, 15°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
(D) Rated indoor airflow for heating is the same as for cooling.

ARI STANDARD 270 RATING CONDITIONS — (Noise rating numbers are determined with the unit in cooling operation.) Standard Noise Rating number is at 95°F outdoor air.
### Outdoor Units

<table>
<thead>
<tr>
<th>Refrigerant Type</th>
<th>TRANE Product Type</th>
<th>Product Family</th>
<th>Family SEER</th>
<th>Split System Connections 1-6 Tons</th>
<th>Nominal Capacity in 000s of BTUs</th>
<th>Major Design Modifications</th>
<th>Power Supply</th>
<th>Electrical Connection</th>
<th>Minor Design Modifications</th>
<th>Unit Parts Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = R-22</td>
<td>4 = R-410A</td>
<td>W = Split Heat Pump</td>
<td>T = Split Cooling</td>
<td>Z = Leadership – Two Stage</td>
<td>X = Leadership</td>
<td>B = Basic</td>
<td>A = Light Commercial</td>
<td>0 = Brazed</td>
<td>0 = Pig Tails</td>
<td>4 T T X 6 0 3 6 C 1 0 0 0 A A</td>
</tr>
<tr>
<td>4 = R-410A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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### Gas Furnaces

<table>
<thead>
<tr>
<th>Furnace Configuration</th>
<th>Type</th>
<th>Number of Heating Stages</th>
<th>Cabinet Width</th>
<th>Heating Input</th>
<th>Major Design Change</th>
<th>Voltage</th>
<th>Air Capacity for Cooling</th>
<th>Draft Inducer Speeds</th>
<th>Minor Design Change</th>
<th>Service Digit - Not Orderable</th>
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<tbody>
<tr>
<td>TU = Upflow/Horizontal</td>
<td>TD = Downflow/Horizontal</td>
<td>1 = Single Stage</td>
<td>A = 16.5 Cabinet Width</td>
<td>080 = 80,000 MBTUH</td>
<td></td>
<td>9 = 115 Volts / 60 Hertz / Natural Gas</td>
<td>36 = 3 Ten Standard PSC Motor</td>
<td>1 = Single Speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E = 80% Induced Draft Standard</td>
<td>2 = Two Stage</td>
<td>B = 17.5 Cabinet Width</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>D = 80% Induced Draft Premium</td>
<td>3 = Three Stage</td>
<td>C = 21.0 Cabinet Width</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>G = 90% Condensing Standard</td>
<td></td>
<td>D = 24.5 Cabinet Width</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>X = 90% Condensing Premium</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>H = 95% Condensing Premium</td>
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### Air Handlers – Residential

<table>
<thead>
<tr>
<th>Refrigerant Type</th>
<th>Application</th>
<th>Product Family</th>
<th>Coil Design</th>
<th>Coil Width (Cased/Uncased)</th>
<th>Refrigerant Line Coupling</th>
<th>Model Number Distinguisher</th>
<th>Efficiency</th>
<th>Refrigerant Control</th>
<th>Major Design Change</th>
<th>Unit Parts Identifier</th>
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</thead>
<tbody>
<tr>
<td>4 = R-410A</td>
<td>4 = Fully Convertible</td>
<td>E = Leadership – Variable Speed</td>
<td>X = Direct Expansion Evaporator Coil</td>
<td>A = 14.5&quot; / 13.3&quot;</td>
<td>0 = Brazed</td>
<td>4 T E 3 C 0 A A</td>
<td>C = Standard</td>
<td>3 - TXV - Non-Bleed</td>
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<td></td>
</tr>
<tr>
<td>2 = R-22</td>
<td>4 = Semi Convertible</td>
<td>F = Leadership</td>
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<td>B = 17.5&quot; / 16.3&quot;</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>4 = Front Return</td>
<td>C = Replacement/Retail</td>
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<td>C = 21.0&quot; / 19.8&quot;</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 = Vertical</td>
<td></td>
<td></td>
<td>D = 24.5&quot; / 23.3&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H = 10.5&quot;</td>
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### Coils – Residential

<table>
<thead>
<tr>
<th>Refrigerant Type</th>
<th>Product Family</th>
<th>Coil Design</th>
<th>Coil Width (Cased/Uncased)</th>
<th>Refrigerant Line Coupling</th>
<th>Model Number Distinguisher</th>
<th>Efficiency</th>
<th>Refrigerant Control</th>
<th>Major Design Change</th>
<th>Unit Parts Identifier</th>
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<tbody>
<tr>
<td>4 - R410A</td>
<td>T-Premium (Heat Pump or Convertible Coil)</td>
<td>X = Direct Expansion Evaporator Coil</td>
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<td>0 = Brazed</td>
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</tbody>
</table>

### NOTE:
There will be a phase-in of new model numbers for new air handlers over next 2 years.

*Shipped with R-22 FCCV
Electrical Data

Schematic Diagrams
(SEE LEGEND)

4TTX6060C

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

NOTES:
- ON VOLTAGE 120 V. 1 FIELD WIRING MUST BE 18 AWG MIN.
- FOR ZONE OPERATION, SNAP ON TO TRANSFORMER 120V AND INSULATE CAP ON 240V CENTER TRANSFORMER TERMINAL.

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!

CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

NOTE
THREE PHASE MOTOR IS FACTORY SUPPLIED IN THIS EQUIPMENT.
PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.

Printed from D155772P01 Rev 00
Electrical Data

Schematic Diagrams

LEGEND

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

SYMBOLS

- - - 24 V. FACTORY WIRING
- - - LINE V. FIELD WIRING
- - - 24 V. FIELD INSTALLED FACTORY 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 (MALE TERM.)

POL, PLUG MALE HOUSING (FEMALE TERM.)

RESISTOR OR HEATING ELEMENT

MOTOR WINDING

TERMINAL

CA | COOLING ANTICIPATOR
CBS | COIL BOTTOM SENSOR
CF | FAN CAPACITOR
CN | WIRE CONNECTOR
CPR | COMPRESSOR
CR | RUN CAPACITOR
CS | STARTING CAPACITOR
CSB | CAPACITOR SWITCHING RELAY
DFC | DEFROST CONTROL
F | INDOOR FAN RELAY
HA | HEATING ANTICIPATOR
HPCO | HIGH PRESSURE CUTOUT SW.
IOL | INTERNAL OVERLOAD PROTECTOR

LPCO | LOW PRESSURE CUTOUT SW.
MS | COMPRESSOR MOTOR CONTACTOR
ODA | OUTDOOR ANTICIPATOR
ODS | OUTDOOR TEMPERATURE SENSOR
ODT | OUTDOOR THERMOSTAT
RHS | RESISTANCE HEAT SWITCH
SC | SWITCHOVER VALVE SOLENOID
SW | SYSTEM "ON-OFF" SWITCH
TDL | DISCHARGE LINE THERMOSTAT
TNS | TRANSFORMER
TS | HEATING-COOLING THERMOSTAT
TSH | HEATING THERMOSTAT

22-1752-07 9
Dimensions

4TTX6 Outline Drawing
Note: All dimensions are in MM (Inches).

MODELS | BASE | A   | B     | C     | D   | E | F      | G       | H     | J     | K      |
--------|------|-----|-------|-------|-----|---|--------|---------|-------|-------|--------|
4TTX6048C | 4    | 1287 (49-7/8) | 946 (37-1/4) | 870 (34-1/4) | 7/8 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 730 (28-3/4) |
4TTX6060C | 4    | 1287 (49-7/8) | 946 (37-1/4) | 870 (34-1/4) | 7/8 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 730 (28-3/4) |

From Dwg. D152635 Rev. 15
General
The 4TTX6 is fully charged from the factory for matched indoor section and 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 A.R.I. certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

ComfortLink™ II
This outdoor unit contains the ComfortLink™ II digital communication with 2 wire connection to outdoor and Plug-n-Play set up.

Charge Assist™
The Charge Assist™ indicates system Charge Status.

Casing
Unit casing is constructed of heavy gauge, G60 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weather-proof CMBP-G30 DuraTuff™ base.

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 installed liquid line drier is standard.

Compressor
The Climatuff® 2-stage compressor features internal over temperature and pressure protection and total dipped hermetic motor. Other features include: roto lock suction and discharge refrigerant connections, 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 unit has a cooling capability to 55°F. For low ambient cooling below 55°F see Application Guide SSC-APG005-EN.

Comfort Control
ComfortLink™ II Control with Plug-n-Play set up and 3 wire connection.
Trane has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.