Side Discharge HP Models

For coastal applications where units are installed within one (1) mile of salt water, epoxy coated models are recommended. These models have an 8 week lead time after order.

Epoxy Coated Model

4TWL6018A1000A   4TWL6018A1COTA
4TWL6024A1000A   4TWL6024A1COTA
4TWL6030A1000A   4TWL6030A1COTA
4TWL6036A1000A   4TWL6036A1COTA
4TWL6042A1000A   4TWL6042A1COTA
4TWL6048A1000A   4TWL6048A1COTA
4TWL6060A1000A   4TWL6060A1COTA

Note: “Graphics in this document are for representation only. Actual model may differ in appearance.”
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## Sound Power Level Table

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A-Weighted Sound Power Level [dB(A)]</th>
<th>Full Octave Sound Power [dB]</th>
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</thead>
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<tr>
<td></td>
<td>63 Hz 125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz 8000 Hz</td>
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<tr>
<td>4TWL6018A1</td>
<td>69 72 70 72 66 65 59 52 44</td>
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<td>69 72 72 71 66 65 59 53 43</td>
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<td>4TWL6030A1</td>
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<td>4TWL6036A1</td>
<td>71 72 77 74 68 65 59 53 46</td>
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<td>4TWL6048A1</td>
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Note: Rated in accordance with AHRI Standard 270 *For Reference Only

<table>
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<tr>
<th>MODEL</th>
<th>Sound Pressure [dB(A)]</th>
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<tr>
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<td>3 ft 5 ft 10 ft 15 ft</td>
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<tr>
<td>4TWL6018A1</td>
<td>62 58 51 48</td>
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<td>4TWL6024A1</td>
<td>62 58 51 48</td>
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<tr>
<td>4TWL6030A1</td>
<td>63 58 52 49</td>
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<td>4TWL6048A1</td>
<td>67 62 56 53</td>
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Note: Rated in accordance with AHRI Standard 275
# Product Specifications

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<th>Model No. (a)</th>
<th>4TWL6018A1XXXA</th>
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<td>208–230/1/60</td>
<td>208–230/1/60</td>
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<td>10.1 — 52</td>
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<td>14.7 — 75</td>
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<td>1 — 1/8</td>
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<td>PLATE FIN</td>
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<td>PLATE FIN</td>
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<tr>
<td>REFRIGERANT</td>
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<td>7/8</td>
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<td>CHARGING SPECIFICATIONS</td>
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<td>SUBCOOLING</td>
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<td>10°F</td>
<td>8°F</td>
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<td>DIMENSIONS</td>
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<td>H X W X D</td>
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<td>195</td>
<td>198</td>
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</tbody>
</table>

## Optional Accessories

- **Evaporator Defrost Control**: AY28X079
- **Rubber Isolator Kit**: BAYISLT101
- **Start Kit**: BAYKSKT263
- **Crankcase Heater Kit**: BAYCCHT302RES
- **Snow Leg Kit 4”**: BAYLEGS004
- **Snow Leg Kit 7”**: BAYLEGS007
- **Scroll Compressor Enclosure**: BAYSDEN003
- **Low Ambient Kit**: BAYLOAM107A
- **Wall Mount Kit**: BRK05033(d)
- **Wind Baffle Kit**: BAYWIND100
- **Refrigerant Lineset (e)**: TAYREFLN7*
- **Evaporator Defrost Control**: AY28X079

(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.

(b) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

(c) Standard line lengths — 150’, Standard lift — 50’ Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub#32–3312–0* (* denotes latest revision).

(d) Available from Trane Parts

(e) * = 15, 20, 25, 30, 40 and 50 foot lineset available.
### OUTDOOR UNIT

<table>
<thead>
<tr>
<th></th>
<th>4TWL6042A1XXXA</th>
<th>4TWL6048A1XXXA</th>
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<tr>
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<td>208–230/1/60</td>
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<td>MIN. BRCH. CIR. AMPACITY</td>
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<td>BR. CIR. PROT. RTG. — MAX. (AMPS)</td>
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<td>COMPRESSOR</td>
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<td>CLIMATUFF®- SCROLL</td>
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<td>PROPELLER</td>
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<td>REFRIGERANT</td>
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### CHARGING SPECIFICATIONS

<table>
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<tr>
<td>DIMENSIONS</td>
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<td>H X W X D</td>
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<td>CRATED (IN.)</td>
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### WEIGHT

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<th>267</th>
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<tbody>
<tr>
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<tr>
<td>NET (LBS.)</td>
<td>217</td>
<td>239</td>
<td>240</td>
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</tbody>
</table>

### OPTIONAL ACCESSORIES

- Evaporator Defrost Control
  - AY28X079
- Rubber Isolator Kit
  - BAYISLT101
- Start Kit
  - BAYKSKT263
- Crankcase Heater Kit
  - BAYCCHT302RES
- Snow Leg Kit 4"
  - BAYLEGS004
- Snow Leg Kit 7"
  - BAYLEGS007
- Scroll Compressor Enclosure
  - BAYSDEN003
- Low Ambient Kit
  - BAYLOAM107A
- Wall Mount Kit
  - BRK05033(d)
- Wind Baffle Kit
  - BAYWIND100
- Refrigerant Lineset
  - (e) TAYREFLN7*
- Evaporator Defrost Control
  - 4TWL6042A1XXXA AY28X079
  - 4TWL6048A1XXXA AY28X079
  - 4TWL6060A1XXXA AY28X079

(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
(b) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
(c) Standard line lengths — 150’, Standard lift — 50’ Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub#32–3312–0* (* denotes latest revision).
(d) Available from Trane Parts
(e) *= 15, 20, 25, 30, 40 and 50 foot lineset available.
Accessory Description and Usage

**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** — Six (6) 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.

**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.

**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

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

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

- **Product Family**
  - V = Variable Speed
  - Z = Leadership
  - M or B = Basic
  - X = Leadership
  - A = Light Commercial
  - L = Side Discharge
  - R = Replacement/Retail

- **Family SEER**
  - 3 = 13
  - 4 = 14
  - 5 = 15

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

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

- **Major Design Modifications**

- **Power Supply**
  - 1 = 200-230/1/60 or 208-230/1/60
  - 3 = 200-230/3/60
  - 4 = 460/3/60

- **Secondary Function**

- **Minor Design Modifications**

- **Unit Parts Identifier**
Figure 1. 1.5 and 2.5 Ton Models

LEGEND

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

NOTES:
1. BE SURE POWER SUPPLIES AGREE WITH EQUIPMENT NAMEPLATE.
2. POWER FIDING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH
   LOCAL CODES.
3. L/LN VOLTAGE MUST BE 208-230 VAC OR 460 V.
4. 400-HZ VOLTAGE 210-230 VAC OR 460 V.
5. IF COILS ARE NOT NEEDED, THE JUMPER BETWEEN B1 AND B2 IS AN AIR MARKER.

PRINTED FROM B159473PO2 REV A

TO POWER SUPPLY PER LOCAL CODES
Figure 2. 1.5 & 2.5 Ton Models

Legend:
- 24 V: Factory Line 1, Line 2
- 24 V: Field, Field Installed
- 24 V: Transformer, Transformer Installed
- Equipment Ground
- Transformer
- Fire
- Terminal Box Ground
- Relay Contact
- Thermistor
- Thermostat
- Pressure Switch
- Motor Blower
- Resistor for Heating Element
- DFC Board

Notes:
1. Do not expose power source with equipment.
2. Power wiring and grounding of equipment must comply with local codes.
3. Over voltage rating to be No. 8 and minimum conductors.
4. Cut-off may be set lower than 200.
5. Safe voltage is not online, and should be between 180 and 240 at any numbers.

Printed from DesignPro 2.5 EN.
Figure 3. 2.0, 3.0 & 3.5 Ton Models

Diagram of wiring for 2.0, 3.0, and 3.5 ton models.

NOTES:
1. Ensure power supply agrees with equipment nameplate.
2. Power wiring and grounding of equipment must comply with local codes.
3. Low voltage wiring may be R.O. 18 AWG minimum conductor.
4. O.S.T. must be rated lower than O.S.T.
Figure 4. 2.0, 3.0 & 3.5 Ton Models

Legend:
- PELICAN CONTACT (M.O.C.)
- PELICAN CONTACT (M.O.C.)
- TEMPERATURE
- TEMPERATURE
- PRESSURE ACTIVATED SWITCH
- PRESSURE ACTIVATED SWITCH
- THERMOSTAT PROTECTION
- THERMOSTAT PROTECTION
- PRESSURE SWING PROTECTION
- PRESSURE SWING PROTECTION
- AUXILIARY F ئ Billing
- AUXILIARY F ئ Billing
- SINGLE LINE CONSTRUCTION
- SINGLE LINE CONSTRUCTION
- 2W & 3 W W. WIRES
- 2W & 3 W W. WIRES
- 2W & 3 W W. WIRES
- 2W & 3 W W. WIRES
- SINGLE LINE CONSTRUCTION
- SINGLE LINE CONSTRUCTION
- MAGNETIC COIL
- MAGNETIC COIL
- JUNCTION CAPACITOR
- JUNCTION CAPACITOR
- TRANSFORMER
- TRANSFORMER

Warning:
- NEVER INSTALL IN A PLACE WHERE WATER COULD ENTER
- NEVER INSTALL IN A PLACE WHERE WATER COULD ENTER
- KEEP ALL EXTERNAL PARTS AND CONNECTORS SECURED
- KEEP ALL EXTERNAL PARTS AND CONNECTORS SECURED

Caution:
- DANGER: HAZARDOUS VOLTAGE LEVELS EXIST
- DANGER: HAZARDOUS VOLTAGE LEVELS EXIST
- DANGER: HAZARDOUS VOLTAGE LEVELS EXIST
- DANGER: HAZARDOUS VOLTAGE LEVELS EXIST

NOTE: SERVICE Parts are included with this equipment.
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. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test.

Refrigerant Controls
Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches. A factory supplied, field installed liquid line drier is standard.

Compressor
The compressor features internal over temperature and pressure protection. 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. The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.
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