Split System Cooling

4TTR3018H1000N
4TTR3024H1000N
4TTR3030H1000N
4TTR3036H1000N
4TTR3042E1000N
4TTR3048E1000N
4TTR3060D1000N
## Product Specifications

<table>
<thead>
<tr>
<th>Model No. (a)</th>
<th>4TTR3018H1000N</th>
<th>4TTR3024H1000N</th>
<th>4TTR3030H1000N</th>
<th>4TTR3036H1000N</th>
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<tr>
<td>POWER CONNS. — V/PH/Hz (b)</td>
<td>208/230/1/60</td>
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<td>MIN. BRCH. CIR. AMPACITY</td>
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<td>COMPRESSOR</td>
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<td>CLIMATUFF®-SCROLL</td>
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<td>RL AMPS — LR AMPS</td>
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<td>12.8 — 58.3</td>
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<td>Outdoor Fan FL AMPS</td>
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<td>1/8</td>
<td>1/8</td>
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<tr>
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<tr>
<td>Coil</td>
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<td>SPINE FIN™</td>
<td>SPINE FIN™</td>
<td>SPINE FIN™</td>
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<tr>
<td>Refrigerant R-410A</td>
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<td>LINE SIZE — IN. O.D. GAS (c)</td>
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<td>3/4</td>
<td>3/4</td>
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<td>10°F</td>
<td>10°F</td>
<td>10°F</td>
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<td>Dimensions H x W X D Crated (IN.)</td>
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<tr>
<td>Weight — Net (lbs.)</td>
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</table>

### Optional Accessories:

- **Anti-short Cycle Timer**: TAYASCT501A, TAYASCT501A, TAYASCT501A, TAYASCT501A
- **Evaporator Defrost Control**: AY28X079, AY28X079, AY28X079, AY28X079
- **Rubber Isolator Kit**: BAYISLT101, BAYISLT101, BAYISLT101, BAYISLT101
- **Extreme Condition Mount Kit**: BAYECMT023, BAYECMT023, BAYECMT023, BAYECMT023
- **Start Kit**: BAYKSKT263, BAYKSKT263, BAYKSKT263, BAYKSKT263
- **Crankcase Heater Kit**: BAYCCHT302, BAYCCHT302, BAYCCHT302, BAYCCHT302
- **Seacoast Kit**: BAYSEAC001, BAYSEAC001, BAYSEAC001, BAYSEAC001
- **Low Ambient Kit**: BAYLOAM103, BAYLOAM103, BAYLOAM103, BAYLOAM103
- **Refrigerant Linetset (d)**: TAYREFLN950, TAYREFLN950, TAYREFLN7*, TAYREFLN7*

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

(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

(c) Standard line lengths — 60’, Standard lift — 60’ Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub#32–3312–0* ( denotes latest revision).

(d) * = 15, 20, 25, 30, 40 and 50 foot lineset available.
**Model No.**

<table>
<thead>
<tr>
<th>Model No. (a)</th>
<th>4TTR3042E1000N</th>
<th>4TTR3048E1000N</th>
<th>4TTR3060D1000N</th>
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</thead>
</table>

- **POWER CONNS. — V/PH/HZ** (b): 280/230/1/60, 280/230/1/60, 280/230/1/60
- **MIN. BRCH. CIR. AMPACITY**: 22, 28, 35
- **BR. CIR. PROT. RTG. — MAX. (AMPS)**: 35, 45, 60
- **COMPRESSOR**: CLIMATUFF®-SCROLL, CLIMATUFF®-SCROLL, CLIMATUFF®-SCROLL
- **RL AMPS — LR AMPS**: 17.0 — 124, 21.8 — 117, 26.8 — 134
- **Outdoor Fan FL AMPS**: 0.7, 0.93, 0.93
- **Fan HP**: 1/8, 1/5, 1/5
- **Fan Dia (inches)**: 23, 23, 27.5
- **Coil**: SPINE FIN™, SPINE FIN™, SPINE FIN™
- **Refrigerant R-410A**: 5 LBS., 8 OZ, 6 LBS., 7 OZ, 8 LBS., 0 OZ
- **LINE SIZE — IN. O.D. GAS** (c): 7/8, 7/8, 7/8
- **LINE SIZE — IN. O.D. LIQ.** (c): 3/8, 3/8, 3/8
- **Charge Spec. Subcooling**: 10°F, 10°F, 10°F
- **Dimensions H x W X D Crated (IN.)**: 34 x 30.1 x 33, 42 x 30.1 x 33, 42.4 x 35.1 x 38.7
- **Weight — Shipping (lbs.)**: 200, 233, 261
- **Weight — Net (lbs.)**: 172, 197, 226

**Optional Accessories:**

- **Anti-short Cycle Timer**: TAYASCT501A, TAYASCT501A, TAYASCT501A
- **Evaporator Defrost Control**: AY28X079, AY28X079, AY28X079
- **Rubber Isolator Kit**: BAYISLT101, BAYISLT101, BAYISLT101
- **Extreme Condition Mount Kit**: BAYECMT004, BAYECMT004, BAYECMT004
- **Start Kit**: BAYKSKT263, BAYKSKT263, BAYKSKT263
- **Crankcase Heater Kit**: BAYCCHT301, BAYCCHT301, BAYCCHT301
- **Seacoast Kit**: BAYSEAC001, BAYSEAC001, BAYSEAC001
- **Low Ambient Kit**: BAYLOAM103, BAYLOAM103, BAYLOAM103
- **Refrigerant Lineset** (d): TAYREFLN7*, TAYREFLN3*, TAYREFLN3*

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

(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

(c) Standard line lengths — 60’, Standard lift — 60’ Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub#32–3312–0* (* denotes latest revision).

(d) * = 15, 20, 25, 30, 40 and 50 foot lineset available.

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**Sound Power Level**

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<th>MODEL</th>
<th>63 Hz*</th>
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<th>250 Hz</th>
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<td>72.7</td>
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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
Figure 1. 1.5 - 4.0 Ton Models

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

Schematic Diagrams

WARNING
HAZARDOUS VOLTAGE
DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
Failure to disconnect power before servicing may 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.

COLOR OF WIRE
BK/BL BLACK
RED OR ORANGE
BL BLUE
WH WHITE OR GREY
BR BROWN
YL YELLOW
PP PURPLE
PK PINK

NOTES:
1. IF ODT-B IS NOT RUSE, 400 JUMPER BETWEEN V2 & V3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED SKINNY PROOF ENCLOSURE.
2. IF ODT-A IS NOT RUSE, 400 JUMPER BETWEEN V1 & V2 AT AIR HANDLER.
3. LOAD VOLTAGE 120/208 V FIELD WIRING MUST BE 1/0 AWG MINIMAL.
4. USE COPPER CONDUCTORS ONLY!

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 120V-TO-GROUND ATTENTION: N'EST PAS APROPRIÉ POUR INSTALLATIONS DE PLUS DE 150 V À LA TERRE

PRINTED FROM DIST047P03 REV4
Figure 2. 5.0 Ton Models

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

[Diagram of electrical schematic with components labeled and connections indicated.]

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRICAL 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.

NOTES:
1. IF GUT-O IS NOT BEER, A JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, GUT-O MUST BE MOUNTED REMOTE OF CONTROL, BUT IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF GUT-A IS NOT BEER, A JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (12 To 16 Volt) Systems must be 10-49V Min.

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES
CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 750-V TO-GROUND ATTENTION: NE CONVIENT POUR INSTALLATIONS DE PLUS DE 150 V A LA TERRE.

PRINTED FROM D157048P01
Outline Drawing

Table:

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<th>Model</th>
<th>Base</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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From Dwg. D152888
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.