



TRANE®

Split System Heat Pump Product & Performance Data

XL14i
2TWX4018-060

1½ – 5 Tons



PUB. NO. 22-1750-05



Features and Benefits

- **Climatuff**[®] compressor
- Efficiency up to 15.25 SEER and 9.6 HSPF
- All aluminum **Spine Fin**[™] coil
- **WeatherGuard**[™] II top shields unit
- **DuraTuff**[™] base, fast complete drain, weather proof
- **WeatherGuard**[™] fasteners
- XL seacoast shield
- Industry leading appearance
- Tarpaulin gray cabinet with anthracite gray top
- Low sound with advanced fan system and compressor sound insulator
- **Quick-Sess**[™] cabinet, service access and refrigerant connections with full coil protection
- Demand defrost control with diagnostics
- Glossy corrosion resistant finish
- Internal compressor pressure/temperature protection
- 018,024,060 ship with start kit
- Liquid line filter-drier
- **Comfort "R"**[™] mode approved
- Easy single side service
- Multi-use liquid and suction line service valves
- Easy top & fan removal
- Full length control and service valve cover
- R-22 refrigerant
- Compressor sump heat
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55°F as shipped
- Low ambient cooling to 40°F with EDC accessory AY28X084
- Low ambient cooling to 30°F with EDC accessory AY28X084 and TXV
- **Extended warranties available**

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General Data

Product Specifications

| Model No. ① | 2TWX4018B1 | 2TWX4024B1 | 2TWX4030B1 | 2TWX4036B1 |
|---------------------------------|------------------|------------------|---------------------|---------------------|
| Electrical Data V/Ph/Hz ② | 200/230/1/60 | 200/230/1/60 | 208/230/1/60 | 208/230/1/60 |
| Min Cir Ampacity | 8 | 11 | 18 | 21 |
| Max Fuse Size (Amps) | 15 | 15 | 30 | 35 |
| Compressor | CLIMATUFF® | CLIMATUFF® | CLIMATUFF® - SCROLL | CLIMATUFF® - SCROLL |
| RL Amps - LR Amps | 6.2 - 45 | 8.3 - 62 | 13.5 - 73 | 16.0 - 88 |
| Outdoor Fan FL Amps | 0.60 | 0.90 | 1.30 | 1.30 |
| Fan HP | 1/15 | 1/8 | 1/6 | 1/6 |
| Fan Dia (inches) | 23 | 23 | 27.6 | 27.6 |
| Coil | Spine Fin™ | Spine Fin™ | Spine Fin™ | Spine Fin™ |
| Refrigerant R-22 | 7/12-LB/OZ | 8/00-LB/OZ | 7/10-LB/OZ | 8/15-LB/OZ |
| Line Size - (in.) O.D. Gas ③ | 5/8 | 3/4 | 3/4 | 7/8 |
| Line Size - (in.) O.D. Liquid ③ | 1/4 | 5/16 | 5/16 | 3/8 |
| Dimensions H x W x D (Crated) | 43.6 x 30.1 x 33 | 47.6 x 30.1 x 33 | 45.4 x 35.1 x 38.7 | 49.4 x 35.1 x 38.7 |
| Weight - Shipping | 249 | 263 | 276 | 295 |
| Weight - Net | 215 | 228 | 232 | 249 |
| Start Components | YES | YES | NO | NO |
| Sound Enclosure | YES | YES | YES | YES |
| Compressor Sump Heat | YES | YES | YES | YES |
| Optional Accessories: ④ | | | | |
| Anti-short Cycle Timer | TAYASCT501A | TAYASCT501A | TAYASCT501A | TAYASCT501A |
| Evaporator Defrost Control A/C | AY28X084 | AY28X084 | AY28X084 | AY28X084 |
| Rubber Isolator Kit | BAYISLT101 | BAYISLT101 | BAYISLT101 | BAYISLT101 |
| Snow Leg - Base & Cap 4" High | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 |
| Snow Leg - 4" Extension | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 |
| Hard Start Kit Scroll | | | BAYKSKT260 | BAYKSKT260 |
| Extreme Condition Mounting Kit | BAYECMT023 | BAYECMT023 | BAYECMT004 | BAYECMT004 |
| Refrigerant Lineset ⑤ | TAYREFLN1* | TAYREFLN2* | TAYREFLN2* | TAYREFLN3* |

① Certified in accordance with the Air-Source Unitary Heat Pump Equipment certification program which is based on ARI Standard 210/240.

② Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

③ Standard line lengths - 60'. Standard lift - 60' Suction and Liquid line.

For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-01. (*denotes latest revision)

④ For accessory description and usage, see page 5.

⑤ * = 15, 20, 25, 30, 40 and 50 foot lineset available.

A-weighted Sound Power Level [dB(A)]

| MODEL | SOUND POWER LEVEL [dB(A)] | A-WEIGHTED FULL OCTAVE SOUND POWER LEVEL dB - [dB(A)] | | | | | | | |
|------------|---------------------------|---|------|------|------|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 2TWX4018B1 | 71 | 47.8 | 55.0 | 60.2 | 64.3 | 65.0 | 61.8 | 56.8 | 57.5 |
| 2TWX4024B1 | 74 | 48.3 | 54.1 | 58.8 | 63.5 | 69.7 | 66.1 | 59.0 | 56.6 |
| 2TWX4030B1 | 73 | 47.2 | 59.5 | 60.6 | 66.5 | 67.1 | 62.3 | 55.5 | 51.2 |
| 2TWX4036B1 | 74 | 47.8 | 57.7 | 64.0 | 66.4 | 69.3 | 61.7 | 55.0 | 48.8 |
| 2TWX4042B1 | 74 | 50.2 | 58.8 | 64.2 | 65.7 | 71.0 | 63.4 | 56.0 | 53.1 |
| 2TWX4048B1 | 74 | 50.2 | 58.8 | 64.2 | 65.7 | 71.0 | 63.4 | 56.0 | 53.1 |
| 2TWX4060B1 | 74 | 50.6 | 55.2 | 62.0 | 69.3 | 69.3 | 65.6 | 64.7 | 53.7 |

Note: Tested in accordance with ARI Standard 270.95. (Not listed with ARI)



General Data

Product Specifications

| Model No. ① | 2TWX4042B1 | 2TWX4048B1 | 2TWX4060B1 |
|---------------------------------|---------------------|---------------------|---------------------|
| Electrical Data V/Ph/Hz ② | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 |
| Min Cir Ampacity | 24 | 28 | 34 |
| Max Fuse Size (Amps) | 40 | 45 | 50 |
| Compressor | CLIMATUFF® - SCROLL | CLIMATUFF® - SCROLL | CLIMATUFF® - SCROLL |
| RL Amps - LR Amps | 17.9 - 104 | 21.2 - 137 | 25.0 - 148 |
| Outdoor Fan FL Amps | 1.30 | 1.30 | 2.80 |
| Fan HP | 1/6 | 1/6 | 1/3 |
| Fan Dia (inches) | 27.6 | 27.6 | 27.6 |
| Coil | Spine Fin™ | Spine Fin™ | Spine Fin™ |
| Refrigerant R-22 | 9/10-LB/OZ | 10/05-LB/OZ | 11/12-LB/OZ |
| Line Size - (in.) O.D. Gas ③ | 7/8 | 1-1/8 | 1-1/8 |
| Line Size - (in.) O.D. Liquid ③ | 3/8 | 3/8 | 3/8 |
| Dimensions H x W x D (Crated) | 53.4 x 35.1 x 38.7 | 53.4 x 35.1 x 38.7 | 53.4 x 35.1 x 38.7 |
| Weight - Shipping | 310 | 314 | 339 |
| Weight - Net | 261 | 266 | 290 |
| Start Components | N O | N O | Y E S |
| Sound Enclosure | Y E S | Y E S | Y E S |
| Compressor Sump Heat | Y E S | Y E S | Y E S |
| Optional Accessories: ④ | | | |
| Anti-short Cycle Timer | TAYASCT501A | TAYASCT501A | TAYASCT501A |
| Evaporator Defrost Control A/C | AY28X084 | AY28X084 | AY28X084 |
| Rubber Isolator Kit | BAYISLT101 | BAYISLT101 | BAYISLT101 |
| Snow Leg - Base & Cap 4" High | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 |
| Snow Leg - 4" Extension | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 |
| Hard Start Kit Scroll | BAYKSKT260 | BAYKSKT260 | |
| Extreme Condition Mounting Kit | BAYECMT004 | BAYECMT004 | BAYECMT004 |
| Refrigerant Lineset ⑤ | TAYREFLN3* | TAYREFLN4* | TAYREFLN4* |

Accessory Description and Usage

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

Evaporator 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 — 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.

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.





Model Nomenclature

Outdoor Units

2 T W X 4 0 3 6 B 1 0 0 0 A A

- Refrigerant Type**
 - 2 = R-22
 - 4 = R-410A
- TRANE**
- Product Type**
 - W = Split Heat Pump
 - T = Split Cooling
- Product Family**
 - Z = Leadership – Two Stage
 - X = Leadership
 - R = Replacement/Retail
 - B = Basic
 - A = Light Commercial
- Family SEER**
 - 0 = 10 3 = 13 6 = 16
 - 1 = 11 4 = 14 8 = 18
 - 2 = 12 5 = 15 9 = 19
- Split System Connections 1-6 Tons**
 - 0 = Braze
- 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**

Heat Pump/ Cooling Coils

2 T X C B 0 3 6 A C 3 H C A A

- Refrigerant Type**
 - 2 = R-22
 - 4 = R-410A
- Series**
 - T = Premium (Heat Pump or Convertible Coil)
 - C = Standard (Cooling Only)
- Coil Design**
 - X = Direct Expansion Evaporator Coil
- Coil Feature**
 - C = Cased A Coil
 - A = Uncased A Coil
 - F = Cased Horizontal Flat Coil
- Coil Width (Cased/Uncased)**
 - A = 14.5" / 13.3"
 - B = 17.5" / 16.3"
 - C = 21.0" / 19.8"
 - D = 24.5" / 23.3"
 - H = 10.5"
- Refrigerant Line Coupling**
 - 0 = Braze
- Nominal Capacity in 000's of BTU's**
- Major Design Change**
- Efficiency**
 - C = Standard
 - S = Hi Efficiency (derived from 10 SEER products)
- Refrigerant Control**
 - 3 = TXV - Non-Bleed
- Coil Circuitry**
 - H = Heat Pump
 - C = Cooling
- Airflow Configuration**
 - A = Upflow Only
 - U = Upflow / Downflow
 - H = Horizontal Only
 - C = Convertible - Upflow, Downflow, Left or Right Airflow
- Minor Design Change**
- Unit Parts Identifier**

Gas Furnaces

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
T U D 1 B 0 8 0 A 9 H 3 1 A A

- Furnace Configuration**
 - TU = Upflow/Horizontal
 - TD = Downflow/Horizontal
- Type**
 - E = 80% Induced Draft Standard
 - D = 80% Induced Draft Premium
 - C = 90% Condensing Standard
 - X = 90% Condensing Premium
 - H = 95% Condensing Premium
- Number of Heating Stages**
 - 1 = Single Stage
 - 2 = Two Stage
 - 3 = Three Stage
- Cabinet Width**
 - A = 14.5" Cabinet Width
 - B = 17.5" Cabinet Width
 - C = 21.0" Cabinet Width
 - D = 24.5" Cabinet Width
- Heating Input**
 - 080 = 80,000 MBTUH
- Major Design Change**
- Voltage**
 - 9 = 115 Volts / 60 Hertz / Natural Gas
 - A = 115 Volts / 50 Hertz / Natural Gas
 - C = 115 Volts / Natural Gas with Communicating System Control
 - F = 115 Volts / Natural Gas with Integrated Electronic Filter
 - D = 115 Volts / Natural Gas with Communicating System Control and Integrated Electronic Filter
- Air Capacity for Cooling**
 - 36 = 3 Ton Standard PSC Motor
 - H3 = 3 Ton High Efficiency Motor
 - V3 = 3 Ton Variable Speed Motor
- Draft Inducer Speeds**
 - 1 = Single Speed
 - 2 = Two Speed
 - V = Variable Speed
- Minor Design Change**
- Service Digit - Not Orderable**

Air Handlers – Residential

4 T E E 3 F 3 6 A 1 0 0 0 A A

- Refrigerant Type**
 - 4 = R-410A
 - 2 = R-22
 - Application**
 - TE = Fully Convertible
 - TG = Semi Convertible
 - TF = Front Return
 - TV = Vertical
 - Product Family**
 - E = Leadership – Variable Speed
 - P = Leadership
 - C = Replacement/Retail
 - B = Basic
 - Flow Control**
 - 3 = Nonbleed TXV
 - 4 = FCCV*
 - Feature Identifier**
 - 0 = Standard Unit
 - F = Air-Tite™
 - Nominal Capacity in 000s of BTUs**
 - Major Design Modifications**
 - Power Supply**
 - 1 = Single Phase
 - Electrical Connection**
 - 0 = Pig Tails
 - B = Circuit Breaker
 - D = Pull Disconnect
 - Future Option – Factory Installed Heater Nominal KW Value**
 - Minor Design Modifications**
 - Unit Parts Identifier**
- NOTE: There will be a phase-in of new model numbers for new air handlers over next 2 years.
*Shipped with R-22 FCCV

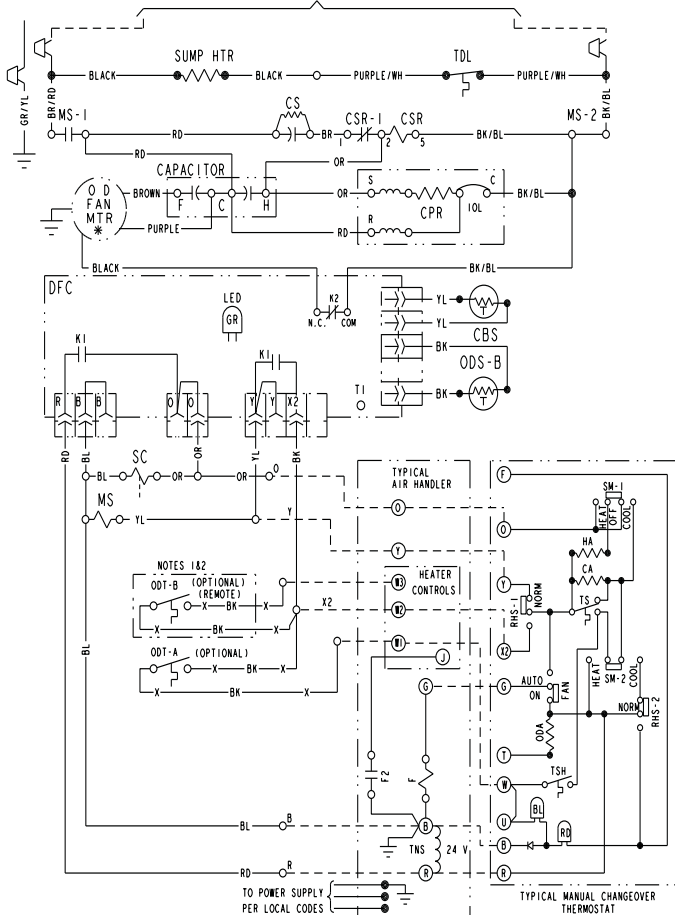
Electrical Data

Schematic Diagrams

(SEE LEGEND)

2TWX4018,024B

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



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.

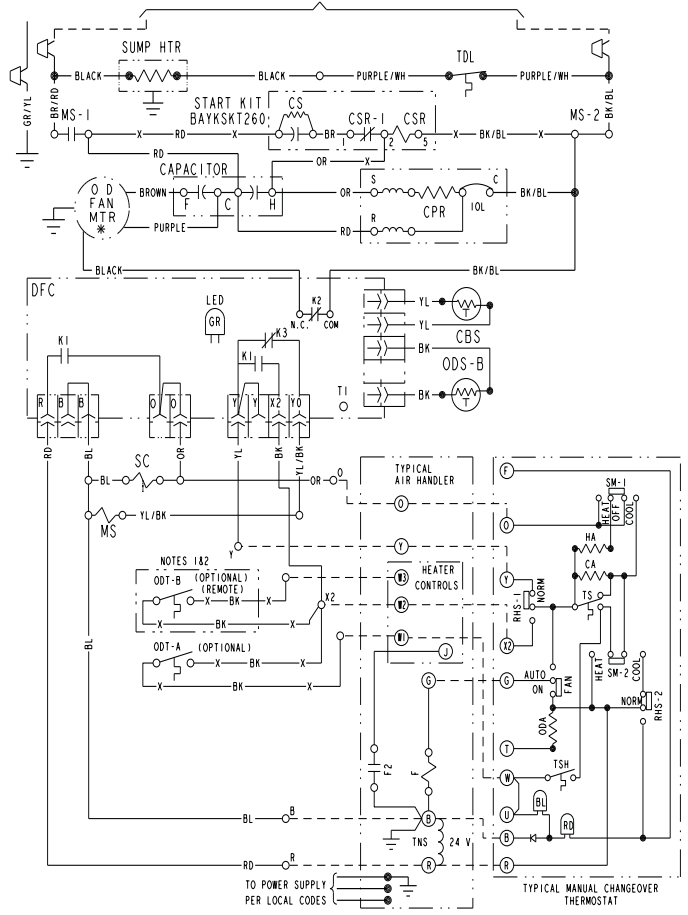
| | |
|---|--|
| <p>⚠ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p> | <p>⚠ CAUTION USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT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

Printed from D155609REV00.

2TWX4030,036,42B

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



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>⚠ 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!</p> | <p>⚠ 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!</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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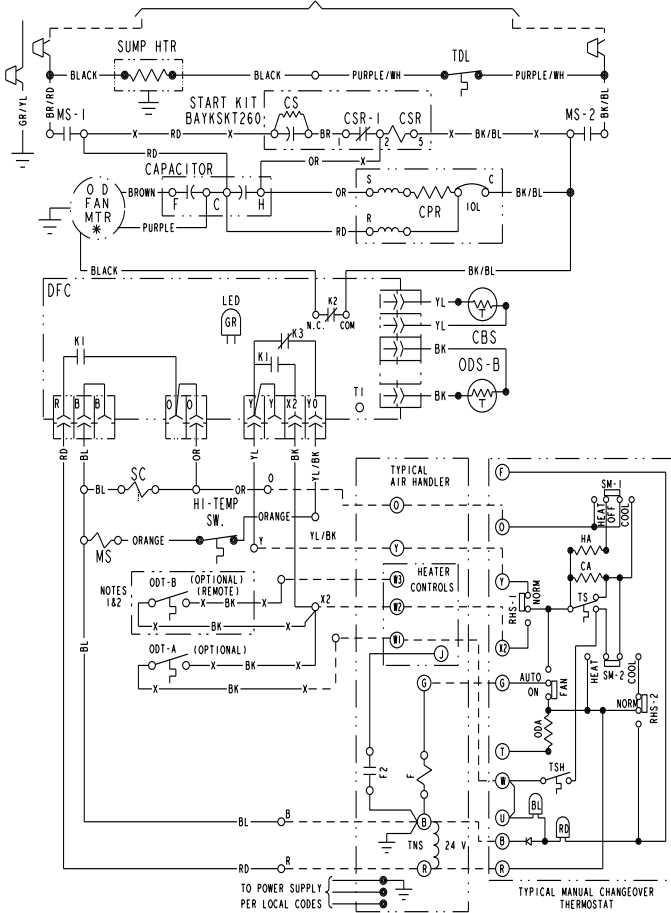
Electrical Data

Schematic Diagrams

(SEE LEGEND)

2TWX4048B

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



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.

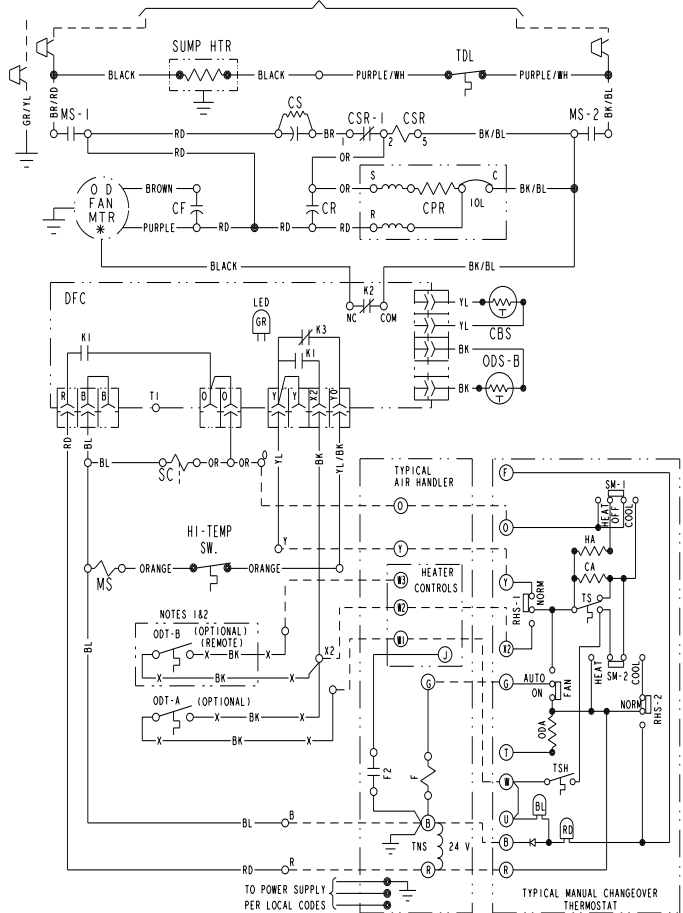
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|---|--|
| <p>⚠ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p> | <p>⚠ CAUTION USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!</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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2TWX4060B

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



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>⚠ 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!</p> | <p>⚠ 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!</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 |

SYMBOLS

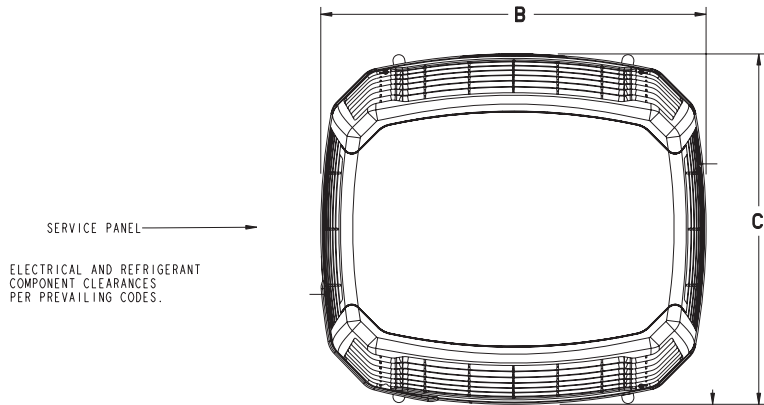
| | | | |
|---|--|---|----------------|
|  | 24 V. | } | FACTORY WIRING |
|  | LINE V. | | |
|  | 24 V. | } | FIELD WIRING |
|  | LINE V. | | |
|  | FIELD INSTALLED FACTORY WIRING | | |
|  | GROUND | | |
|  | JUNCTION | | |
|  | WIRE NUT OR CONNECTOR | | |
|  | COIL | | |
|  | CAPACITOR | | |
|  | RELAY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

| | | | |
|------|-----------------------------|------|----------------------------|
| CA | COOLING ANTICIPATOR | LPCO | LOW PRESSURE CUTOOUT 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 CUTOOUT SW. | TS | HEATING-COOLING THERMOSTAT |
| IOL | INTERNAL OVERLOAD PROTECTOR | TSH | HEATING THERMOSTAT |
| | | R | OFT SHUNT RESISTOR |

Dimensions

2TWX4 Outline Drawing

NOTE: ALL DIMENSIONS ARE IN MM (INCHES)



UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT, AND SHOULD BE AT LEAST 305 (12") FROM WALL AND ALL SURROUNDING SHRUBBERY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED.

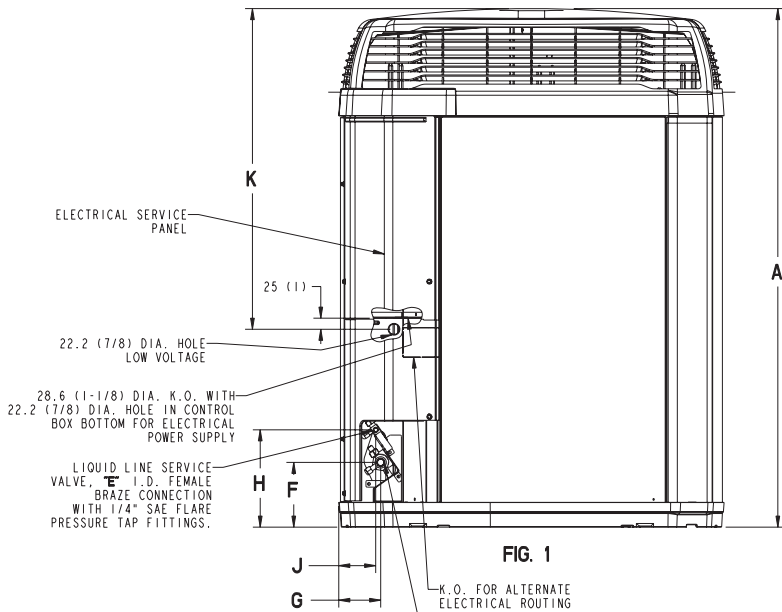


FIG. 1

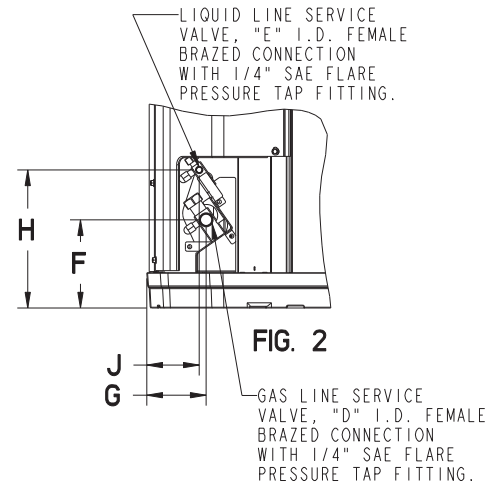


FIG. 2

| MODELS | BASE | FIG. | A | B | C | D | E | F | G | H | J | K |
|-----------|------|------|---------------|--------------|--------------|-------|------|-------------|------------|-------------|------------|--------------|
| 2TWX4018B | 3 | 2 | 1016 (40) | 829 (32-5/8) | 756 (29-3/4) | 5/8 | 1/4 | 143 (5-5/8) | 92 (3-5/8) | 210 (8-1/4) | 79 (3-1/8) | 692 (27-1/4) |
| 2TWX4024B | 3 | 2 | 1118 (44) | 829 (32-5/8) | 756 (29-3/4) | 3/4 | 5/16 | 143 (5-5/8) | 92 (3-5/8) | 210 (8-1/4) | 79 (3-1/8) | 692 (27-1/4) |
| 2TWX4030B | 4 | 1 | 1064 (41-7/8) | 946 (37-1/4) | 870 (34-1/4) | 3/4 | 5/16 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 730 (28-3/4) |
| 2TWX4036B | 4 | 1 | 1165 (45-7/8) | 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) |
| 2TWX4042B | 4 | 1 | 1267 (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) |
| 2TWX4048B | 4 | 1 | 1267 (49-7/8) | 946 (37-1/4) | 870 (34-1/4) | 1-1/8 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 933 (36-3/4) |
| 2TWX4060B | 4 | 1 | 1267 (49-7/8) | 946 (37-1/4) | 870 (34-1/4) | 1-1/8 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 933 (36-3/4) |

From Dwg. 21D152635 Rev. 11

Mechanical Specification Options

General

The 2TWX4 shall be fully charged from the factory for matched indoor section and up to 15 feet of piping. This unit must be designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities shall be matched with a wide selection of air handlers and furnace coils that are ARI certified. The unit is certified to UL 1995. Exterior must be 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. High and low pressure controls are inherent to the compressor. 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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