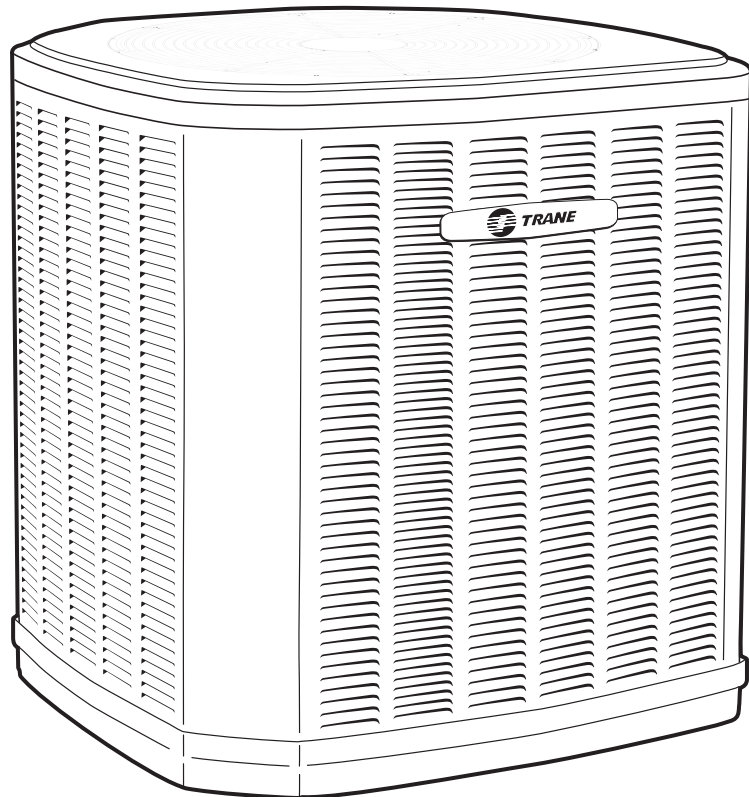




Split System Heat Pump Product Data

XR15 4TWR5

1 1/2 - 5 Tons



PUB. NO. 22-1832-10



Features and Benefits

- **CLIMATUFF®** compressor
- Efficiency up to **17.0 SEER** and **9.0 HSPF**
- All aluminum **SPINE FIN™** coil
- **WEATHERGUARD™** fasteners
- **QUICK-SESS™** cabinet, service access and refrigerant connections with full coil protection
- **DURATUFF™** base, fast complete drain, weatherproof
- **COMFORT-R™** mode approved
- Glossy corrosion resistant finish
- Internal compressor high/low pressure & temperature protection
- 018, 024, 030, 036, 060 & 061 ship with start kit
- Compressor Sump Heat
- Liquid line filter/drier
- Tarpaulin gray cabinet with anthracite gray badge and cap
- High pressure switch
- Demand Defrost with Diagnostics
- Service valve cover
- R-410A refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 20°F with AY28X084
- Low ambient cooling to 55°F as shipped
- **Extended warranties available**

Contents

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|--|-----------|
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General Data

Product Specifications

| Model No. ① | 4TWR5018G1 | 4TWR5024G1 | 4TWR5030G1 | 4TWR5036G1 |
|---------------------------------|----------------|----------------|--------------------|------------------|
| Electrical Data V/Ph/Hz ② | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 |
| Min Cir Ampacity | 9 | 11 | 15 | 18 |
| Max Fuse Size (Amps) | 15 | 15 | 25 | 30 |
| Compressors | CLIMATUFF® | CLIMATUFF® | CLIMATUFF® | CLIMATUFF® |
| RL AMPS - LR AMPS | 6.4 - 38.6 | 8.3 - 58 | 11.3 - 68.2 | 13.2 - 63 |
| Outdoor Fan FL Amps | 0.70 | 0.74 | 0.92 | 1.00 |
| Fan HP | 1/8 | 1/8 | 1/5 | 1/5 |
| Fan Dia (inches) | 23 | 23 | 27.5 | 27.5 |
| Coil | Spine Fin™ | Spine Fin™ | Spine Fin™ | Spine Fin™ |
| Refrigerant R-410A | 5/14-LB/OZ | 7/02-LB/OZ | 8/02-LB/OZ | 7/13-LB/OZ |
| Line Size - (in.) O.D. Gas ③ | 5/8 | 5/8 | 3/4 | 3/4 |
| Line Size - (in.) O.D. Liquid ③ | 3/8 | 3/8 | 3/8 | 3/8 |
| Dimensions H x W x D (Crated) | 34 x 30.1 x 33 | 38 x 30.1 x 33 | 38.4 x 35.1 x 38.7 | 37.9 x 35 x 37.9 |
| Weight - Shipping | 204 | 236 | 273 | 261 |
| Weight - Net | 176 | 208 | 239 | 227 |
| Start Components | YES | YES | YES | YES |
| Sound Enclosure | NO | NO | 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 |
| Hard Start Kit Scroll | | | | |
| Extreme Condition Mounting Kit | BAYECMT004 | BAYECMT004 | BAYECMT004 | BAYECMT004 |
| Snow Leg - Base & Cap 4" High | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 |
| Snow Leg - 4" Extension | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 |
| Seacoast Kit | BAYSEAC001 | BAYSEAC001 | BAYSEAC001 | BAYSEAC001 |
| Refrigerant Lineset ⑤ | TAYREFLN950 | TAYREFLN950 | TAYREFLN7* | TAYREFLN7* |

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

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

③ Standard line lengths - 80'. Standard lift - 60' Suction and Liquid line.

For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0*. (*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)] High Stage | | | | | | | |
|-----------|---------------------------|--|------|------|------|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 4TWR5018G | 75 | 52.3 | 57.8 | 62.4 | 67.2 | 69.4 | 67.2 | 59.6 | 52.5 |
| 4TWR5024G | 75 | 50.3 | 55 | 58.6 | 65.3 | 69.5 | 64.5 | 58.6 | 50.8 |
| 4TWR5030G | 75 | 48.8 | 55.4 | 60.1 | 66.4 | 67.4 | 63.9 | 60.2 | 53.5 |
| 4TWR5036G | 75 | 54.5 | 55.1 | 58.3 | 67 | 69.8 | 65.9 | 59.7 | 49.1 |
| 4TWR5042E | 75 | 55.1 | 52 | 59.3 | 64.9 | 67.2 | 63.5 | 60.4 | 47.6 |
| 4TWR5048E | 75 | 55.6 | 53.3 | 59.2 | 66.7 | 71.7 | 67.9 | 60.7 | 51.3 |
| 4TWR5049E | 75 | 43.7 | 51.2 | 54.5 | 61 | 61.5 | 57.1 | 51.3 | 40.7 |
| 4TWR5060E | 75 | 55.1 | 53.7 | 61.1 | 69.2 | 73.6 | 68.7 | 61.4 | 50 |
| 4TWR5061E | 75 | 33.1 | 56.2 | 60.1 | 64.4 | 66 | 59.5 | 54.2 | 43.5 |

Note: Rated in accordance with AHRI Standard 270-2008.

General Data

Product Specifications

| Model No. ① | 4TWR5042E1 | 4TWR5048E1 | 4TWR5049E1 | 4TWR5060E1 | 4TWR5061E1 |
|---------------------------------|---------------------|---------------------|--------------------|---------------------|--------------------|
| Electrical Data V/Ph/Hz ② | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 | 208/230/1/60 |
| Min Cir Ampacity | 27 | 29 | 28 | 35 | 36 |
| Max Fuse Size (Amps) | 45 | 50 | 50 | 60 | 60 |
| Compressors | CLIMATUFF® · SCROLL | CLIMATUFF® · SCROLL | CLIMATUFF® · SCROL | CLIMATUFF® · SCROLL | CLIMATUFF® · SCROL |
| RL AMPS - LR AMPS | 19.9 - 109 | 21.8 - 117 | 21.8 - 117 | 26.4 - 134 | 26.4 - 134 |
| Outdoor Fan FL Amps | 0.93 | 0.93 | 1.00 | 0.93 | 2.80 |
| Fan HP | 1/5 | 1/5 | 1/5 | 1/5 | 1/3 |
| Fan Dia (inches) | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| Coil | Spine Fin™ | Spine Fin™ | Spine Fin™ | Spine Fin™ | Spine Fin™ |
| Refrigerant R-410A | 12/1-LB/OZ | 13/9-LB/OZ | 13/10-LB/OZ | 12/1-LB/OZ | 13/12-LB/OZ |
| Line Size - (in.) O.D. Gas ③ | 3/4 | 7/8 | 7/8 | 7/8 | 1-1/8 |
| Line Size - (in.) O.D. Liquid ③ | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Dimensions H x W x D (Crated) | 46.4 x 35.1 x 38.7 | 51 x 35.1 x 38.7 | 51 x 35.1 x 38.7 | 51 x 35.1 x 38.7 | 51 x 35.1 x 38.7 |
| Weight - Shipping | 313 | 331 | 331 | 332 | 332 |
| Weight - Net | 277 | 294 | 294 | 295 | 295 |
| Start Components | NO | NO | NO | YES | YES |
| Sound Enclosure | YES | YES | NO | YES | NO |
| Compressor Sump Heat | YES | YES | YES | YES | YES |
| Optional Accessories: ④ | | | | | |
| Anti-short Cycle Timer | TAYASCT501A | TAYASCT501A | TAYASCT501A | TAYASCT501A | TAYASCT501A |
| Evaporator Defrost Control A/C | AY28X084 | AY28X084 | AY28X084 | AY28X084 | AY28X084 |
| Rubber Isolator Kit | BAYISLT101 | BAYISLT101 | BAYISLT101 | BAYISLT101 | BAYISLT101 |
| Hard Start Kit Scroll | BAYKSKT260 | BAYKSKT260 | BAYKSKT260 | | |
| Extreme Condition Mounting Kit | BAYECMT004 | BAYECMT004 | BAYECMT004 | BAYECMT004 | BAYECMT004 |
| Snow Leg - Base & Cap 4" High | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 | BAYLEGS002 |
| Snow Leg - 4" Extension | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 | BAYLEGS003 |
| Seacoast Kit | BAYSEAC001 | BAYSEAC001 | BAYSEAC001 | BAYSEAC001 | BAYSEAC001 |
| Refrigerant Lineset ⑤ | TAYREFLN7* | TAYREFLN3* | TAYREFLN3* | TAYREFLN3* | TAYREFLN3* |

① Certified in accordance with the Air-Source Unitary Heat Pump Equipment certification program which is based on AHRI 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.



General Data

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.

AHRI Standard Capacity Rating Conditions

AHRI STANDARD 210/240 RATING CONDITIONS —

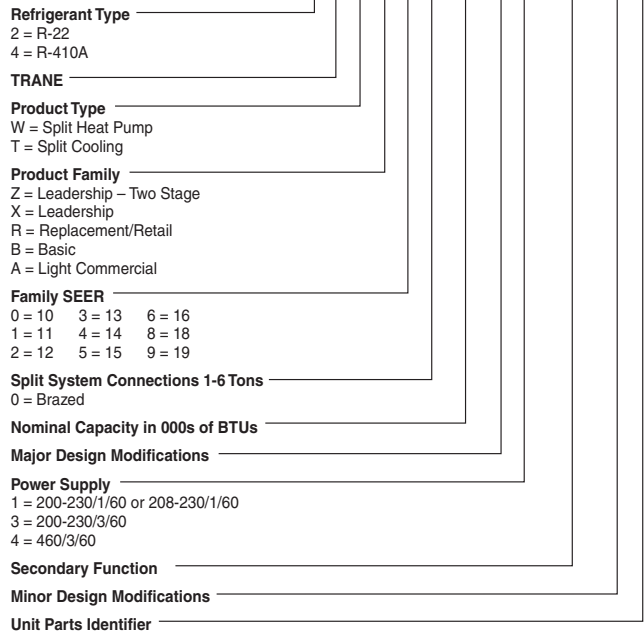
(A) Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.

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

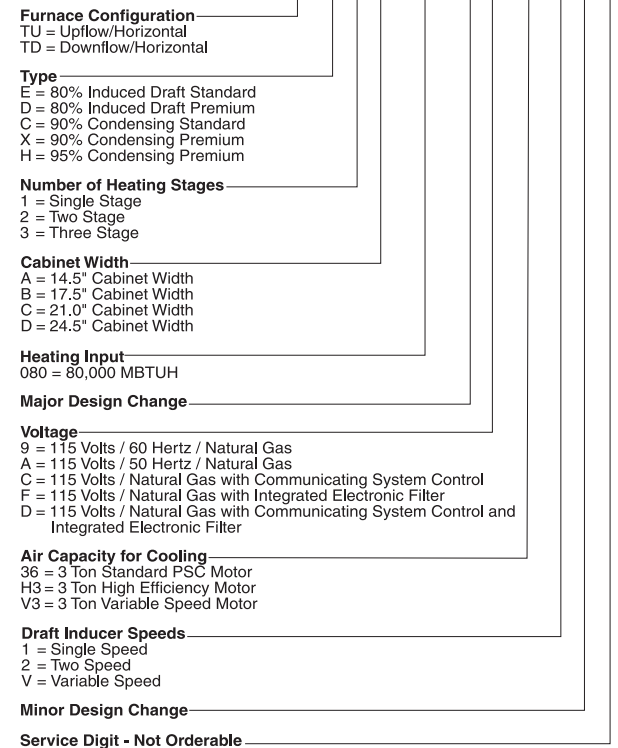


Model Nomenclature

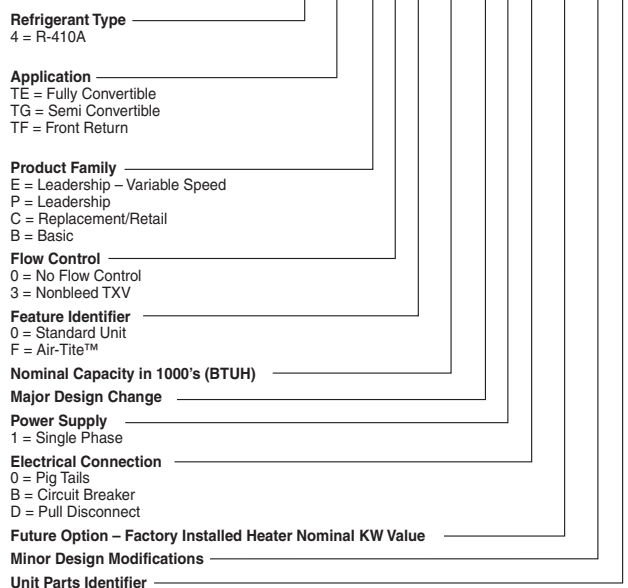
Outdoor Units



Gas Furnaces

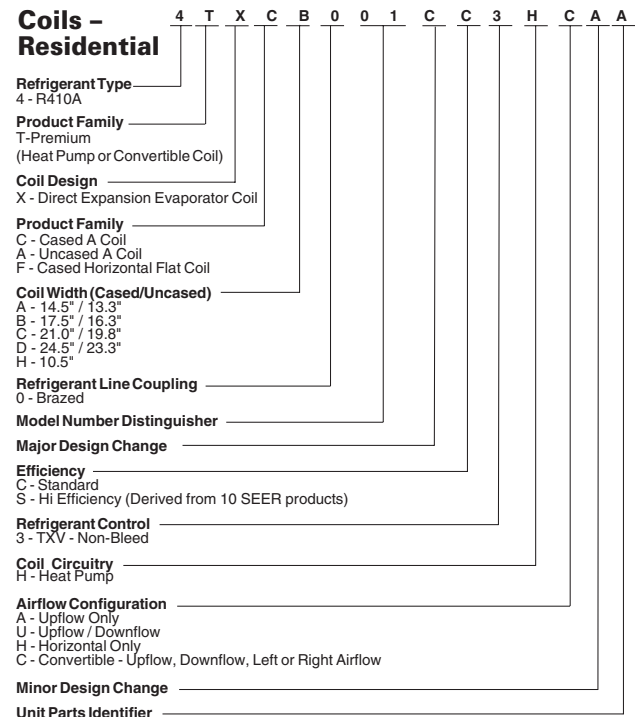


Air Handlers – Residential



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

Coils – Residential

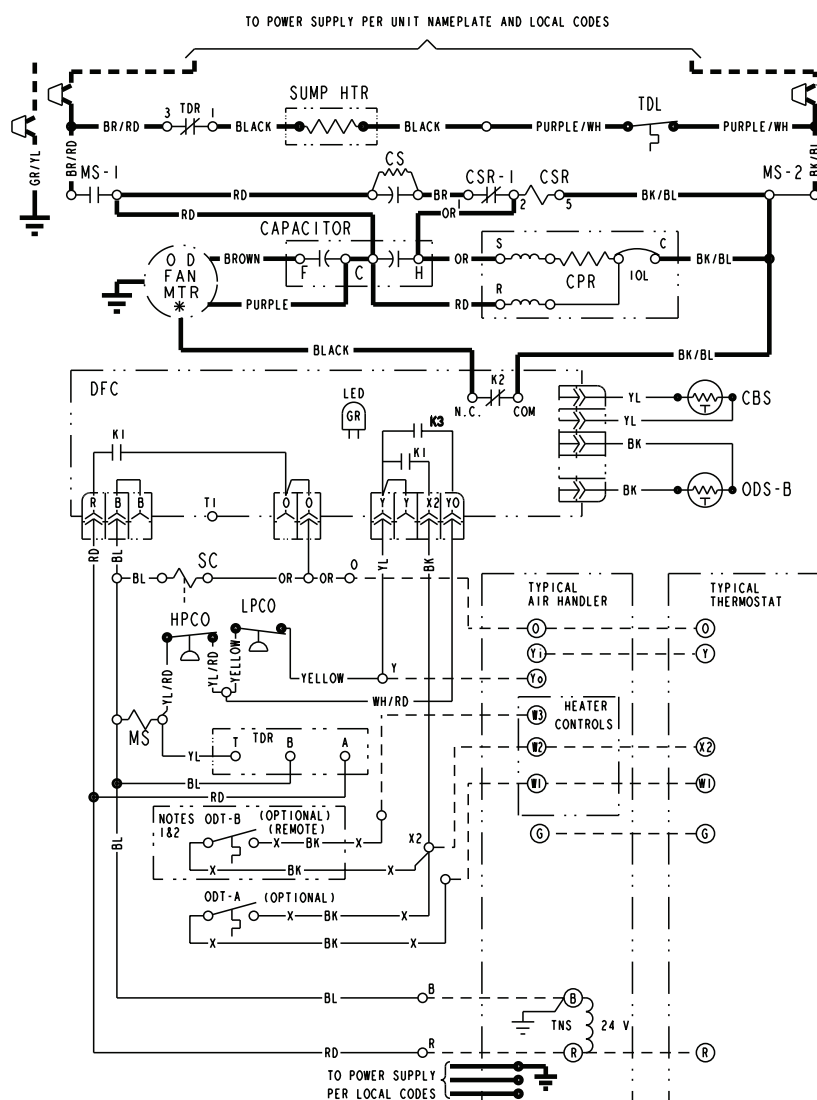




Electrical Data

Schematic Diagrams

4TWR5024, 030



| | | | |
|------|-----------------------------|------|----------------------------|
| CA | COOLING ANTICIPATOR | LPCO | LOW PRESSURE CUTOFF 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 CUTOFF SW. | TS | HEATING-COOLING THERMOSTAT |
| IOL | INTERNAL OVERLOAD PROTECTOR | TSH | HEATING THERMOSTAT |
| | | TDR | TIME DELAY RELAY |

| | |
|---|---|
| ⚠ 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! |
|---|---|

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

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.

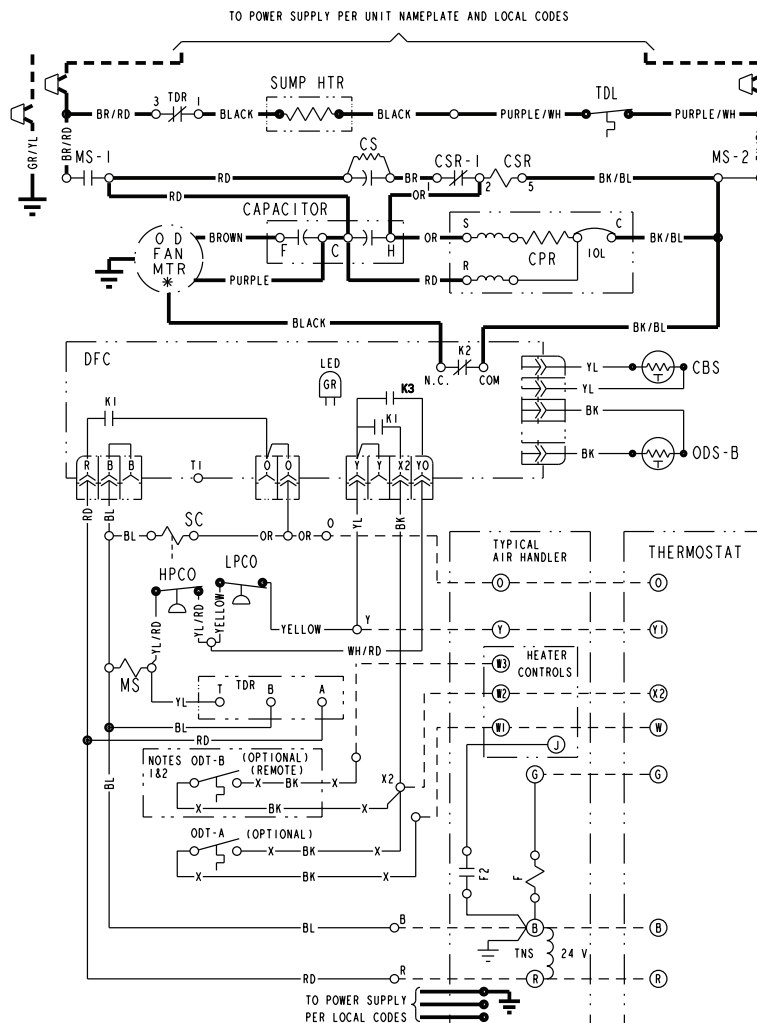
FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES

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.

Electrical Data

Schematic Diagrams

4TWR5018, 036



| | | | |
|------|-----------------------------|------|----------------------------|
| 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 | OTF | 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 |
| | | TDR | TIME DELAY RELAY |

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

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

NOTES:

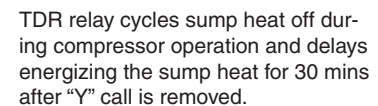
- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
- IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
- LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

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.



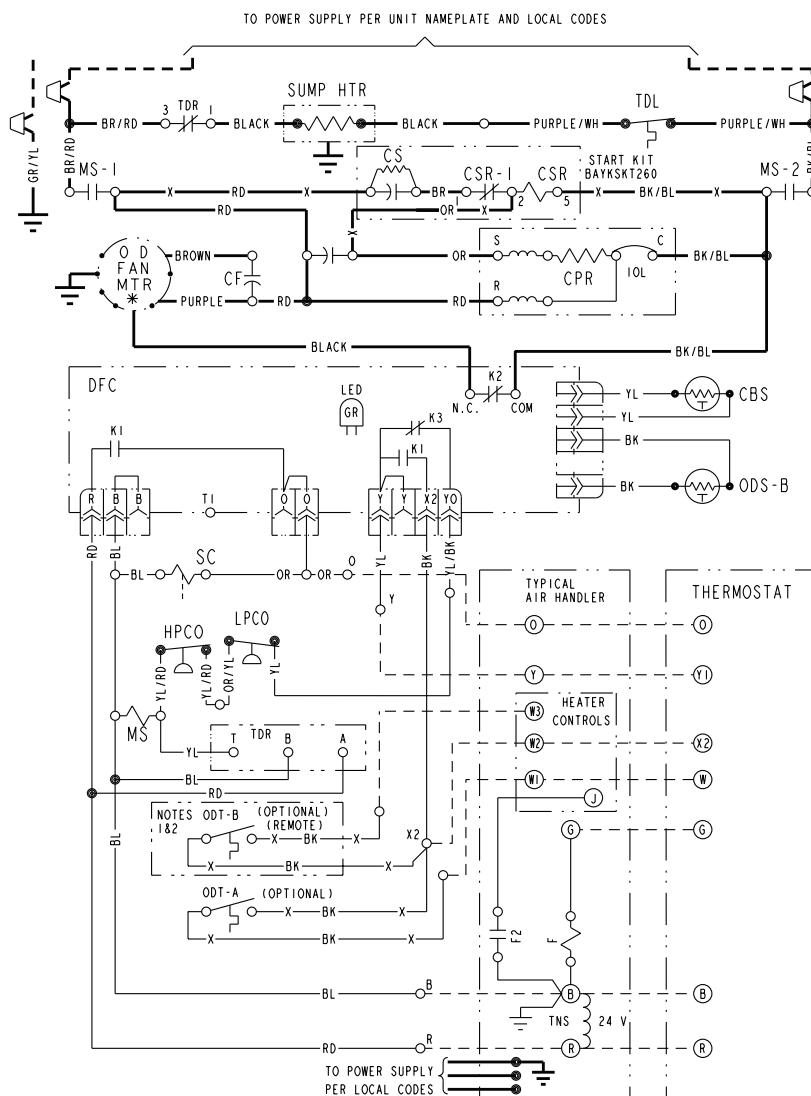
4TWR5042



Electrical Data

Schematic Diagrams

4TWR5048



| | | | |
|------|-----------------------------|------|----------------------------|
| CA | COOLING ANTICIPATOR | LPCO | LOW PRESSURE CUTOFF 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 CUTOFF SW. | TS | HEATING-COOLING THERMOSTAT |
| IOL | INTERNAL OVERLOAD PROTECTOR | TSH | HEATING THERMOSTAT |
| | | TDR | TIME DELAY RELAY |

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

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

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.

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.

TDR relay cycles sump heat off during compressor operation and delays energizing the sump heat for 30 mins after "Y" call is removed.

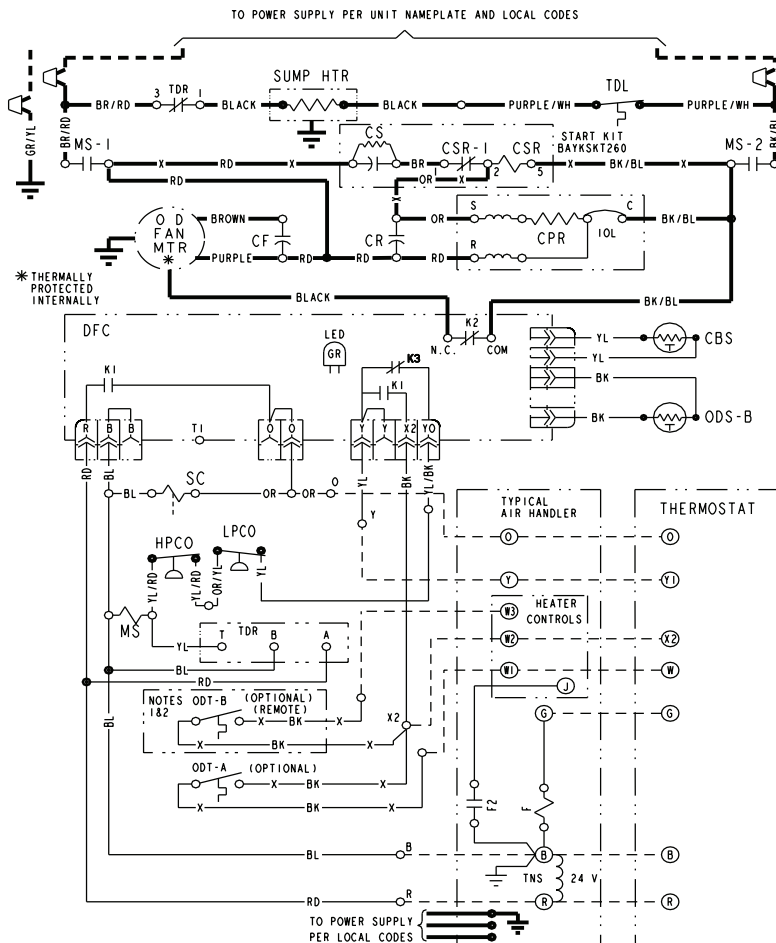


Electrical Data

Schematic Diagrams

(SEE LEGEND)

4TWR5049E



| | | | |
|------|-----------------------------|------|----------------------------|
| CA | COOLING ANTICIPATOR | LPCO | LOW PRESSURE CUTOFF 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 CUTOFF SW. | TS | HEATING-COOLING THERMOSTAT |
| IOL | INTERNAL OVERLOAD PROTECTOR | TSH | HEATING THERMOSTAT |
| | | TDR | TIME DELAY RELAY |

⚠ 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!

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

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.

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

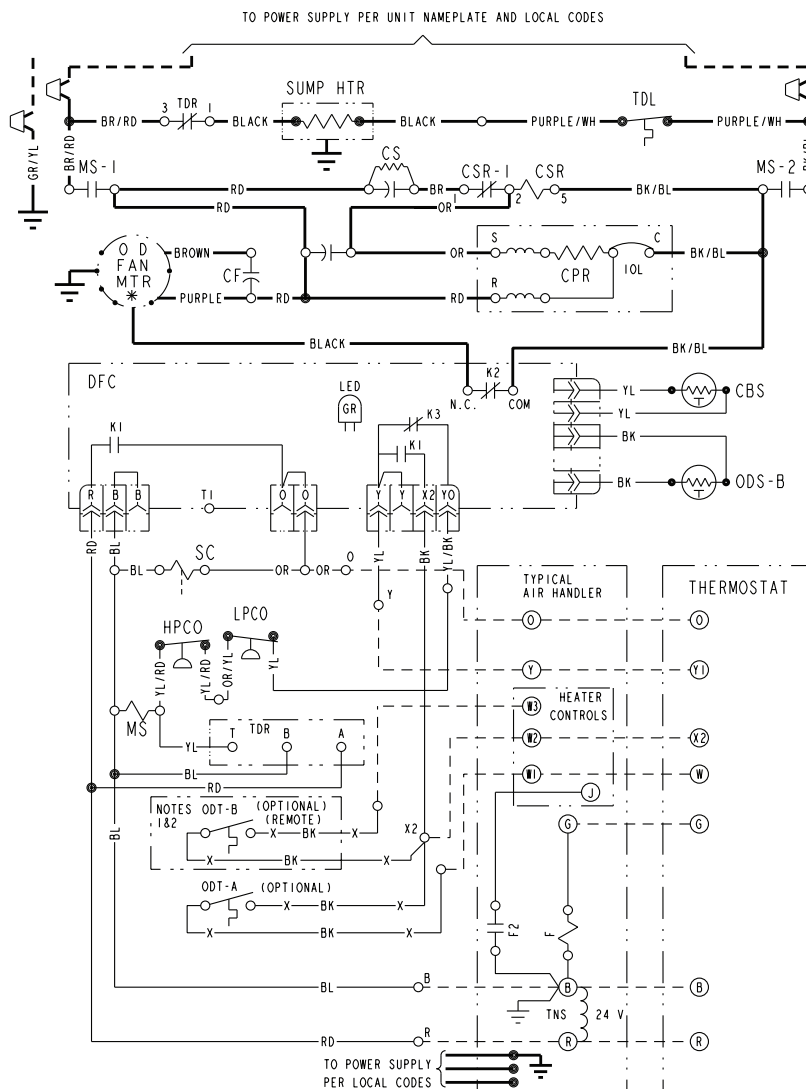
CAUTION: NOT SUITABLE FOR USE ON
SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX
INSTALLATIONS DE PLUS DE 150 V A
LA TERRE.

TDR relay cycles sump heat off during compressor operation and delays energizing the sump heat for 30 mins after "Y" call is removed.

Electrical Data

Schematic Diagrams

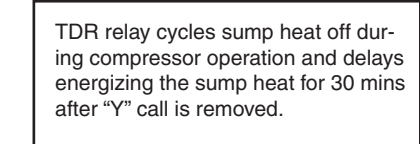
4TWR5060





(SEE LEGEND)

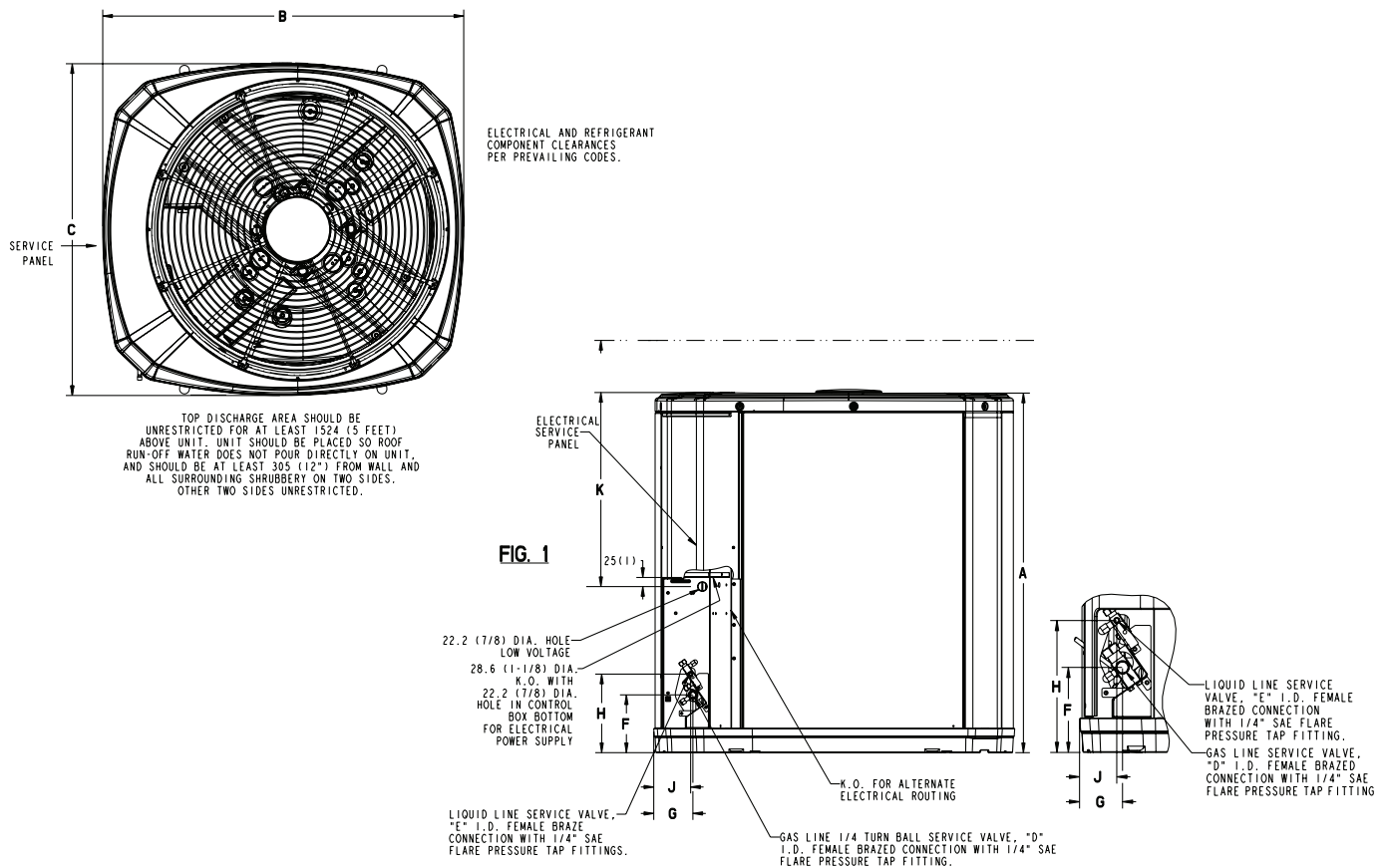
4TWR5061E



Dimensions

4TWR5 Outline Drawing

Note: All dimensions are in MM (Inches).



| MODELS | BASE | A | B | C | D | E | F | G | H | J | K |
|-----------|------|---------------|--------------|--------------|-------|-----|-------------|------------|-------------|------------|----------|
| 4TWR5018G | 4 | 730 (28-3/4) | 829 (32-5/8) | 756 (29-3/4) | 5/8 | 3/8 | 143 (5-5/8) | 92 (3-5/8) | 210 (8-1/4) | 79 (3-1/8) | 508 (20) |
| 4TWR5024G | 3 | 832 (32-3/4) | 829 (32-5/8) | 756 (29-3/4) | 5/8 | 3/8 | 143 (5-5/8) | 92 (3-5/8) | 210 (8-1/4) | 79 (3-1/8) | 508 (20) |
| 4TWR5030G | 4 | 841 (33-1/8) | 946 (37-1/4) | 870 (34-1/4) | 3/4 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 508 (20) |
| 4TWR5036G | 4 | 841 (33-1/8) | 946 (37-1/4) | 870 (34-1/4) | 3/4 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 508 (20) |
| 4TWR5042E | 4 | 1045 (41 1/8) | 946 (37-1/4) | 870 (34-1/4) | 3/4 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 508 (20) |
| 4TWR5048E | 4 | 1147 (45 1/8) | 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) | 508 (20) |
| 4TWR5049E | 4 | 1147 (45 1/8) | 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) | 508 (20) |
| 4TWR5060E | 4 | 1147 (45 1/8) | 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) | 508 (20) |
| 4TWR5061E | 4 | 1147 (45 1/8) | 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) | 508 (20) |

Mechanical Specification Options

General

The 4TWR5 is 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, G90 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 and compressor contactor. High and low pressure controls are inherent to the compressor. A factory installed liquid line drier is standard.

Compressor

The Climatuff® compressor features internal over temperature and 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 unit has a cooling capability to 55°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 20° F.

Accessories

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



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