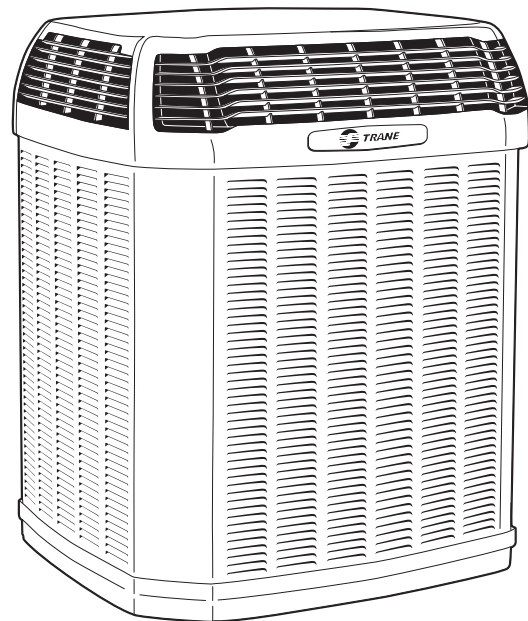




# Product Data

## Split System Cooling XL18i 4 Ton

4TTX8048



*Note: "Graphics in this document are for representation only.  
Actual model may differ in appearance."*



# Features and Benefits

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- **CLIMATUFF™** 2-stage scroll compressor
- Efficiency up to **18.0 SEER**
- All Aluminum **SPINE FIN™** coil
- **WEATHERGUARD™ II** top shields unit
- **DURATUFF™** weather proof and rust proof base
- **COMFORT "R"™** mode approved for better comfort indoors
- **QUICK-SESS™** cabinet, service access and refrigerant connections with full coil protection
- **WEATHERGUARD™** fasteners
- Glossy corrosion resistant finish tarpaulin gray cabinet with anthracite gray top
- Internal compressor high/low pressure & temperature protection
- Liquid line filter/drier
- Low sound with advanced variable speed fan motor
- Service valve cover
- R-410A refrigerant
- From 70 to 100% capacity modulation
- 100% run test in the factory
- Low ambient cooling to 55° as shipped
- **Extended warranties available**

# Contents

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# General Data

## Product Specifications

<b>Model No. ①</b>	<b>4TTX8048B1000B</b>
<b>Electrical Data V/Ph/Hz ②</b>	208/230/1/60
<b>in Cir Ampacity</b>	28
<b>Max Fuse Size (Amps)</b>	45
<b>Compressor</b>	CLIMATUFF® - SCROLL
<b>No. Used - No. Stages</b>	1-2
<b>RL AMPS - LR AMPS</b>	20.4 - 122
<b>Outdoor Fan FL Amps</b>	2.8
<b>Fan HP</b>	1/3
<b>Fan Dia (inches)</b>	27.6
<b>Coil</b>	Spine Fin™
<b>Refrigerant R-410A</b>	13/3-LB/OZ
<b>Line Size - (in.) O.D. Gas ③</b>	7/8
<b>Line Size - (in.) O.D. Liquid ③</b>	3/8
<b>Dimensions H x W x D (Crated)</b>	57.4 x 35.1 x 38.7
<b>Weight - Shipping</b>	336
<b>Weight - Net</b>	286
<b>Start Components</b>	NO
<b>Sound Enclosure</b>	NO
<b>Compressor Sump Heat</b>	NO
<b>Optional Accessories: ④</b>	
Rubber Isolator Kit	BAYISLT101
Snow Leg - Base & Cap 4" High	BAYLEGS002
Snow Leg - 4" Extension	BAYLEGS003
Hard Start Kit Scroll	BAYSKT266
Crankcase Heater Kit	BAYCCHT301
Extreme Condition Mounting Kit	BAYECMT004
Vertical Discharge Air Kit Base 4	BAYVDTA004
Auto Charge Solenoid Kit	BAYCAKT001

### Refrigerant Lineset ⑤

- 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 - 25' 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 25, 30, 35 and 50 foot linesets available. For a complete listing of lineset options available from equipment or supply stores, refer to the Trane Residential and Light Commercial Product Handbook.

## Accessory Description and Usage

**Rubber Isolators** - 5 rubber donuts to isolate condensing unit from mounting frame or pad. Use on any application where sound transmission needs to be minimized.

**Extreme Conditions Mounting 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 rooftops, etc.

**Low Ambient Cooling** - For low ambient cooling below 55° see Application Guide APP-APG013-EN.

## 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.
- (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.

**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.

## Sound Power Level

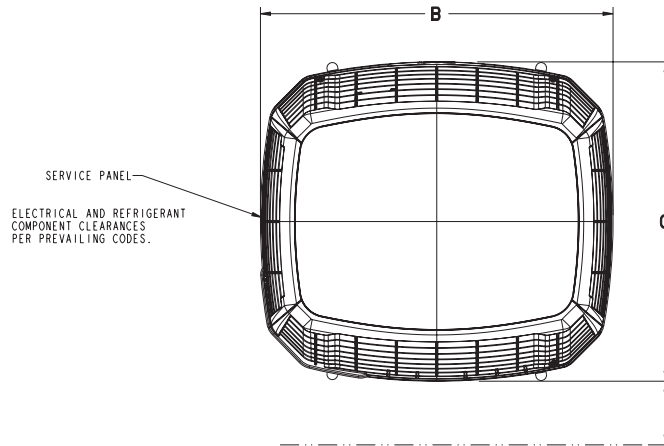
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
4TTX8048B1	73	70	67	68	66	63	56	53	49

Note: Rated in accordance with AHRI Standard 270-2008

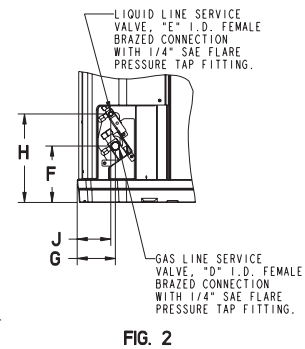
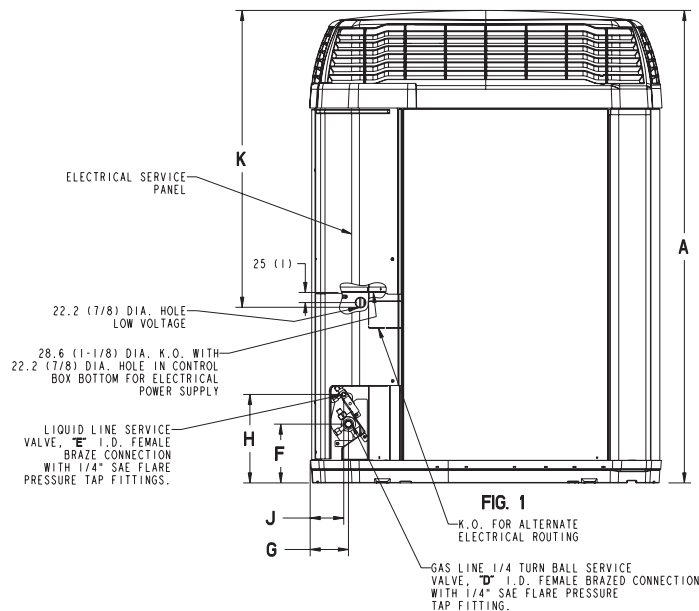
# Dimensions

## 4TTX8 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.



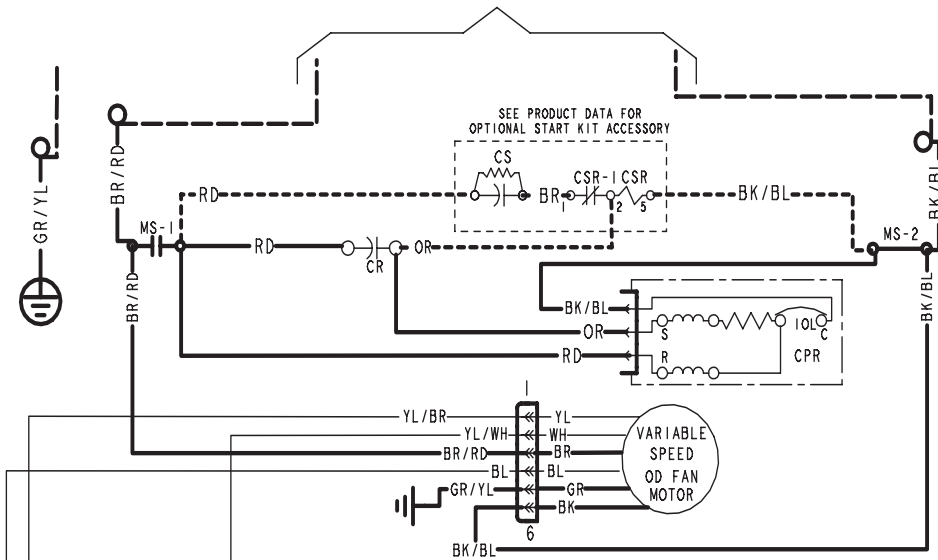
MODELS	BASE	A	B	C	D	E	F	G	H	J	K
4TTX8048B	4	1369 (53-7/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	730 (28-3/4)



# Electrical Data

## Schematic Diagram

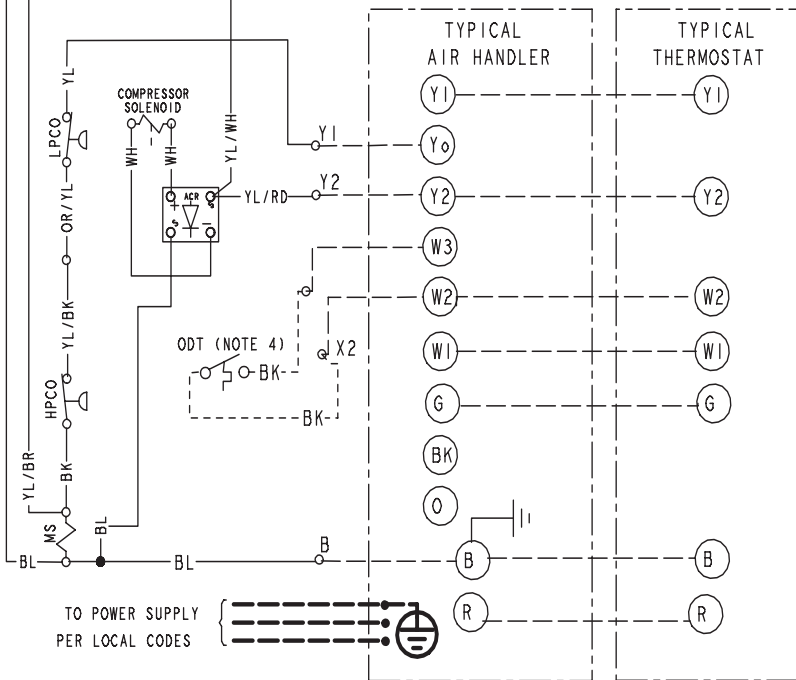
TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



- ACR A/C RECTIFIER
- CF FAN CAPACITOR
- CN WIRECONNECTOR
- CPR COMPRESSOR
- CR RUN CAPACITOR
- CS STARTING CAPACITOR
- CSR CAPACITOR SWITCHING RELAY
- F INDOOR FAN RELAY
- HPCO HIGH PRESSURE CUTOFF SWITCH
- LPCCO LOW PRESSURE CUTOFF SWITCH
- IOL INTERNAL OVERLOAD PROTECTOR
- SW SYSTEM ON-OFF SWITCH
- MS COMPRESSOR MOTOR CONTACTOR
- ODA OUTDOOR ANTICIPATOR
- ODT OUTDOOR FAN THERMOSTAT
- ODS OUTDOOR TEMPERATURE SENSOR
- ODT OUTDOOR THERMOSTAT
- SC SWITCH OVER VALVE SOLENOID
- TDL DISCHARGE LINE THERMOSTAT
- TDR TIME DELAY RELAY
- TNS TRANSFORMER

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



- COLOR OF WIRE
- COLOR OF MARKER
- |       |             |                  |
|-------|-------------|------------------|
| BK/BL | 24 V LINE V | } FACTORY WIRING |
|       | 24 V LINE V |                  |
|       | ---         | FIELD INSTALLED  |
|       | ----        | FACTORY WIRING   |
- |          |                 |           |
|----------|-----------------|-----------|
| BK BLACK | RD RED          | OR ORANGE |
| BL BLUE  | WH WHITE        | GR GREEN  |
| BR BROWN | YL YELLOW       | PR PURPLE |
| PK PINK  | LTBL LIGHT BLUE |           |

- NOTES:
1. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT NAMEPLATE.
  2. POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
  3. LOW VOLTAGE WIRING TO BE NO. 18 AWG MINIMUM CONDUCTOR.
  4. IF OUTDOOR THERMOSTAT (ODT) IS NOT USED, CONNECT W2 TO W3.
  5. WITH Y1 ENERGIZED, INDOOR FAN IS 1ST STAGE AIRFLOW.
  6. WITH Y1 AND Y2 ENERGIZED, INDOOR FAN IS 2ND STAGE AIRFLOW.
  7. SEE AIR HANDLER INSTALLER GUIDE FOR DIP SWITCH CONFIGURATIONS.

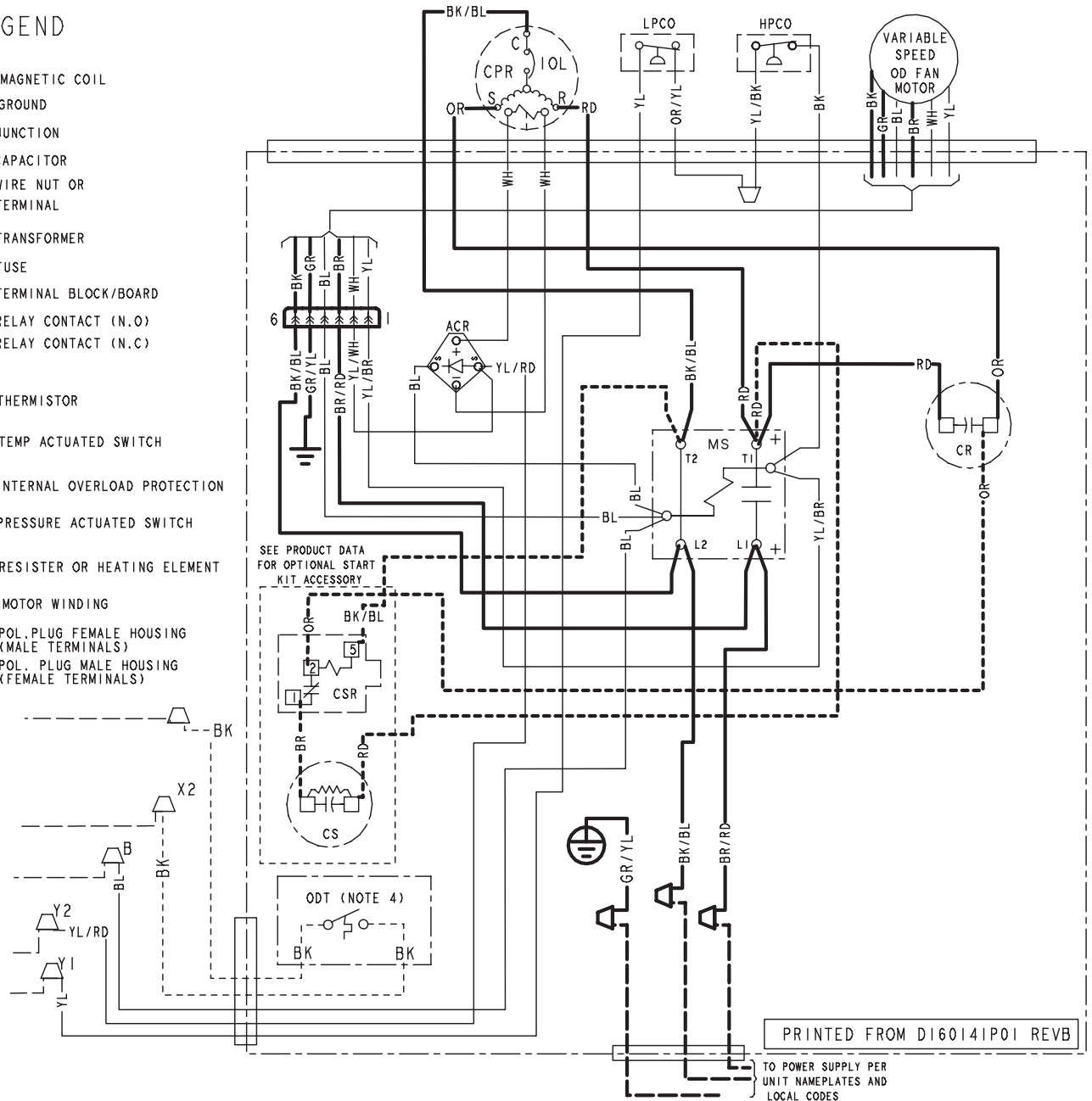
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# Electrical Data

## Wiring Diagram

### LEGEND

- MAGNETIC COIL
- GROUND
- JUNCTION
- CAPACITOR
- WIRE NUT OR
- TERMINAL
- TRANSFORMER
- FUSE
- TERMINAL BLOCK/BOARD
- RELAY CONTACT (N.O.)
- RELAY CONTACT (N.C.)
- THERMISTOR
- TEMP ACTUATED SWITCH
- INTERNAL OVERLOAD PROTECTION
- PRESSURE ACTUATED SWITCH
- RESISTOR OR HEATING ELEMENT
- MOTOR WINDING
- POL. PLUG FEMALE HOUSING (MALE TERMINALS)
- POL. PLUG MALE HOUSING (FEMALE TERMINALS)





# Model Nomenclature

## Outdoor Units

Refrigerant Type  
4 = R-410A

TRANE

Product Type  
W = Split Heat Pump  
T = Split Cooling

Product Family  
Z = Leadership - Two Stage  
X = Leadership  
R = Replacement/Retail  
M or B = Basic  
A = Light Commercial

Family SEER  
3 = 13    6 = 16    0 = 20  
4 = 14    8 = 18  
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

4 T T X 8 0 3 6 A 1 0 0 0 A A

## Air Handler

Brand  
T = Better  
G = Good

Product Type  
A = Air Handler

Convertability  
M = Multi-poise 4-way  
F = Upflow Front Return, 3-way  
T = 3-way

Product Tier  
2 = Good, Entry Level Feature Set  
4 = Better, Retail Replacement Mid Effic.  
5 = Better, Entry Level High Effic., Multi-Speed  
7 = Best, Retail Replacement High Effic., Variable-Speed  
8 = Best, Retail Ultimate High Effic., Variable-Speed

Major Design Change

No Descriptor  
0 = Air Handler / Coil

Size (Footprint)  
A = 17.5 x 21.5  
B = 21.0 x 21.5  
C = 23.5 x 21.5

Cooling Size: Air Handler or Coil  
0-9 = AH Coil - 1000 BTU's (18, 24, 30, 36, 42, 48, 60)

Airflow Type & Capability  
S = Low Effic PSC, 1-5 - nom. Tonnage (cfm/ton)  
M = Mid Effic Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)  
H = High Effic Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)  
V = High Effic Variable, 1-5 - nom. Tonnage (cfm/ton)

Power Supply  
1 = 208-230/1/60

System Control Type  
S = Standard - 24 VAC  
C = CLIL 13.8 VDC

Minor Design Change  
Unit Parts Identifier

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
G A M 5 A 0 B 3 6 M 3 1 S A A

## Gas Furnaces

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  
M = Modulating

Cabinet Width  
A = 14.5" Cabinet Width  
B = 17.5" Cabinet Width  
C = 21.0" Cabinet Width  
D = 24.5" Cabinet Width

Heating Input in 1000's (BTUH)  
080 = 80,000 BTUH

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  
Standard PSC    Variable Speed    High Efficiency  
24 = 2 Tons    V3 = 3 Tons    H3 = 3 Tons  
36 = 3 Tons    V4 = 4 Tons    H4 = 4 Tons  
42 = 3.5 Tons    V5 = 5 Tons    H5 = 5 Tons  
45 = 4 Tons  
48 = 4 Tons  
54 = 5 Tons  
60 = 5 Tons  
72 = 6 Tons

Draft Inducer Speeds  
1 = Single Speed  
2 = Two Speed  
V = Variable Speed

Minor Design Change

Service Digit - Not Orderable

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

## Heat Pump/ Cooling Coils

Refrigerant Type  
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 1000's (BTUH)

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

Service Digit - Not Orderable

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





# Mechanical Specifications

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## General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. 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 shall be certified to UL 1995. Exterior is designed for outdoor application.

## Casing

Unit casing is constructed of heavy gauge, G60 galvanized steel and painted with a weather-resistant powder paint on all louvers and panels. Corrosion and weatherproof 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 hermetic motor. Other features include centrifugal oil pump and modular plugs for electrical connections.

## 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° see Application Guide APP-APG013-EN.



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