



# Split System Cooling Product & Performance Data

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**XL19i**  
**2TTZ9030, 036, 048 & 060C**  
**With ComfortLink™ II and Charge Assist™**  
**2½, 3, 4 & 5 Tons**





## Features and Benefits

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- Two **CLIMATUFF™** Compressors
- Efficiency up to **19.50 SEER**
- All Aluminum **SPINE FIN™** coil
- **WEATHERGUARD™** II top shields unit
- **WEATHERGUARD™** fasteners
- **QUICK-SESS™** cabinet, service access and refrigerant connections with full coil protection
- **DURATUFF™** base, fast complete drain, weather proof
- **COMFORT"R"™** mode approved
- **ComfortLink™ II System**- Only two wire control connection
- **Charge Assist™** - Fast/accurate charging every time
- Glossy corrosion resistant finish
- Internal Compressor high/low pressure & temperature protection
- Start kit standard
- 50 or 100% capacity modulation
- Compressor sump heat
- Liquid line filter/drier
- Tarpaulin gray cabinet with anthracite gray top
- Low sound with advanced fan system and compressor sound insulator
- Variable speed fan motor
- Electronic compressor control
- XL Seacoast shield
- Service valve cover
- R-22 refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55° F as shipped
- **Extended warranties available**

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# General Data

## Product Specifications

Model No. ①	2TTZ9030C1	2TTZ9036C1	2TTZ9048C1	2TTZ9060C1
Electrical Data V/PH/Hz ②	200/230/1/60	200/230/1/60	200/230/1/60	200/230/1/60
Min Cir Ampacity	18	22	25	37
Max Fuse Size (Amps)	30	35	40	60
Compressor	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®
1st Stg. RL Amps - LR Amps	6.2 - 45	6.2 - 45	8.4 - 62	8.4 - 62
2nd Stg. RL Amps - LR Amps	12.4 - 65	15.1 - 85	17.6 - 107	27.7 - 145
Outdoor Fan FL Amps	2.80	2.80	2.80	2.80
Fan HP	1/3	1/3	1/3	1/3
Fan Dia (inches)	27.6	27.6	27.6	27.6
Coil	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-22	13/00-LB/OZ	13/00-LB/OZ	14/11-LB/OZ	13/12-LB/OZ
Line Size - IN. O.D. Gas ③	7/8	7/8	1-1/8	1-1/8
Line Size - IN. O.D. Liquid ③	3/8	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	53.4 x 35.1 x 38.7
Weight - Shipping	445	442	454	459
Weight - Net	397	394	406	411
Start Components	YES	YES	YES	YES
Sound Enclosure	YES	YES	YES	YES
Compressor Sump Heat	YES	YES	YES	YES
<b>Optional Accessories: ④</b>				
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT001	BAYECMT001
Charge Assist™ Tool	BAYCAKT001	BAYCAKT001	BAYCAKT001	BAYCAKT001
Snow/Sand Legs	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002
4" Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003
Vertical Discharge Air Kit	BAYVDTA004	BAYVDTA004	BAYVDTA004	BAYVDTA004
24 Volt Wiring Harness	BAYACHP024A	BAYACHP024A	BAYACHP024A	BAYACHP024A
Refrigerant Lineset ⑤	TAYREFLN3*	TAYREFLN3*	TAYREFLN4*	TAYREFLN4*

① Certified in accordance with the Unitary Air-Conditioner equipment certification program which is based on ARI Standard 210/240.

② Calculated in accordance with N.E.C. Use only HACR circuit breakers or fuses.

③ Standard line lengths – 80'. 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 \* = 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
2TTZ9030C1	72	52.1	57.7	64.4	65.8	64.6	62.4	57.8	50.5
2TTZ9036C1	74	54.3	57.8	62.3	65.2	67.1	65.9	61.1	51.3
2TTZ9048C1	74	52.1	58.1	66.8	67.2	67.2	63	57.1	52.3
2TTZ9060C1	73	53	60.1	63.8	67.2	66	62.9	58.5	51.6

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

# General Data

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## Accessory Description and Usage

**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.

**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.

**24 Volt Wiring Harness**— Use to wire a communicating outdoor unit to an existing 24 volt indoor section.

**Charge Assist™ Tool**— Fast accurate charging every time.

## 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.



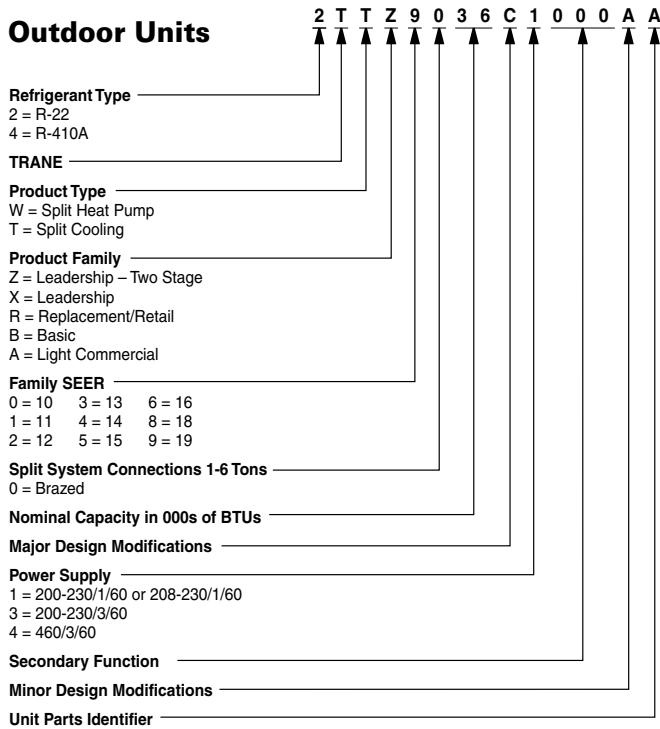
ARI Standard  
210/240 UAC



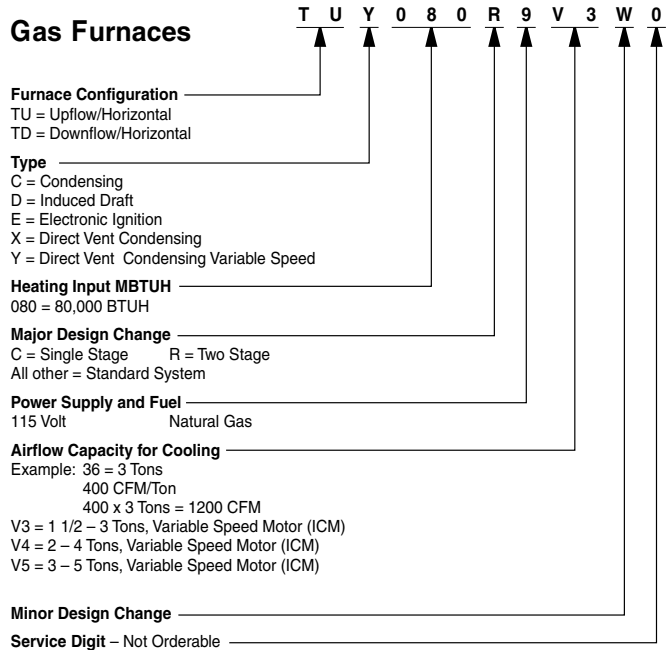


# Model Nomenclature

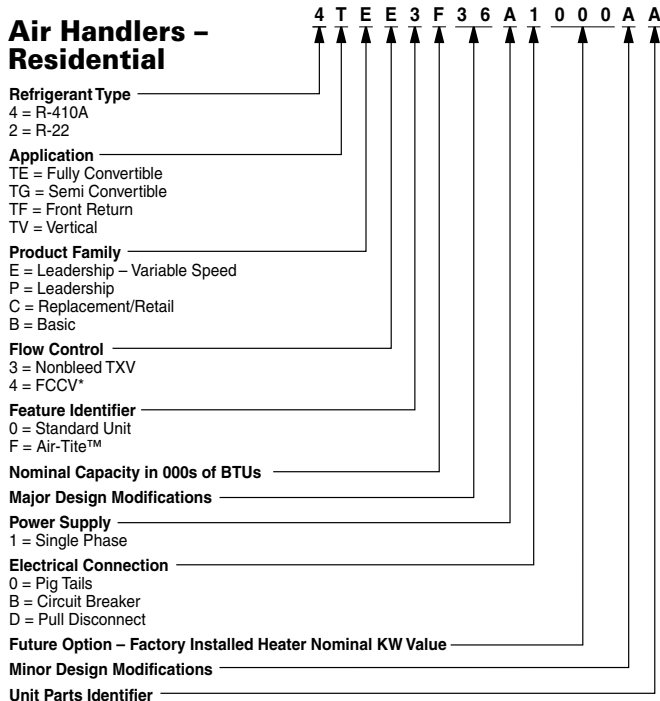
## Outdoor Units



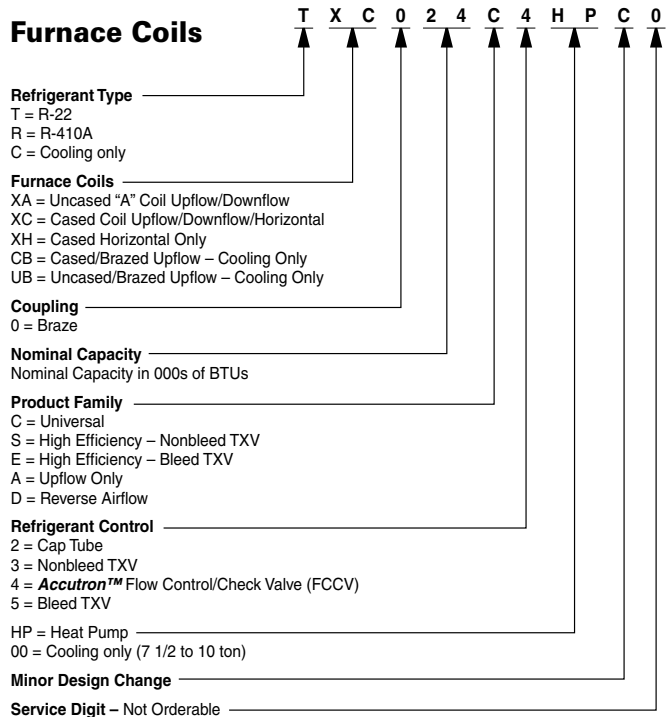
## Gas Furnaces



## Air Handlers – Residential



## Furnace Coils



NOTE: There will be a phase-in of new model numbers for new air handlers over next 2 years.  
\*Shipped with R-22 FCCV

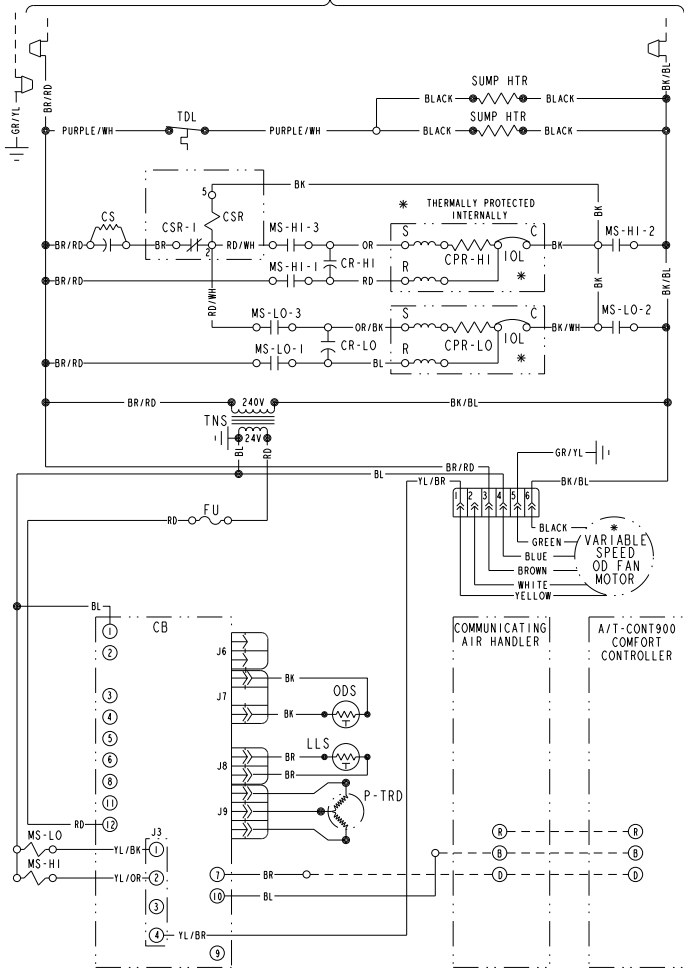
# Electrical Data

## SCHEMATIC DIAGRAMS

(SEE LEGEND)

### 2TTZ9030C

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



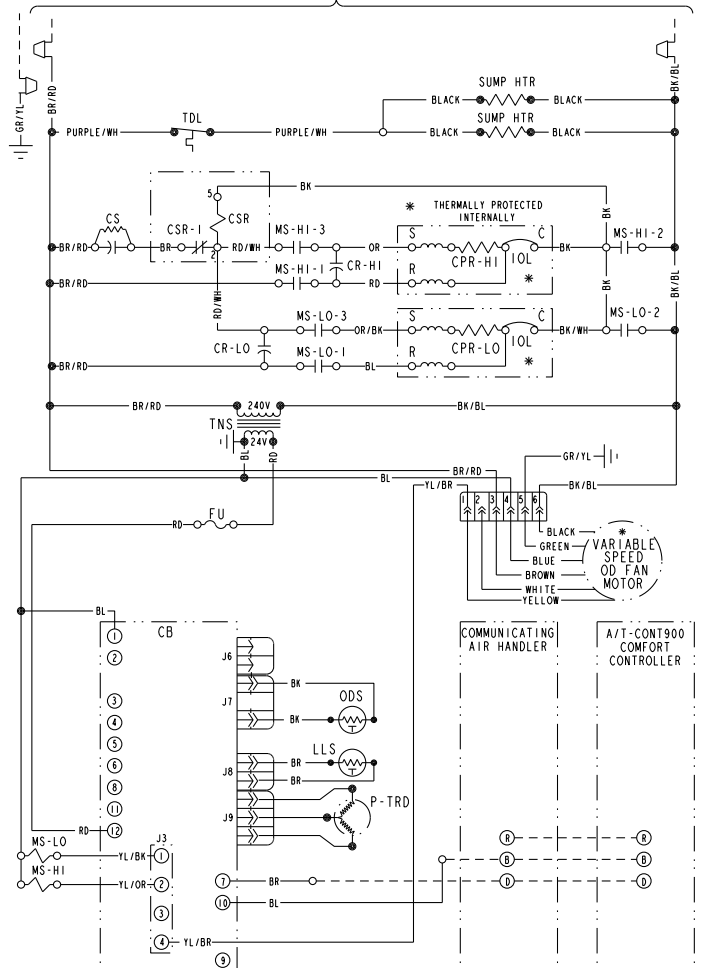
NOTES:  
1. LOW VOLTAGE FIELD WIRING MUST BE 18 AWG MIN.

<p><b>⚠ WARNING</b> 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><b>⚠ CAUTION</b> 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>
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**NOTE**  
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

### 2TTZ9036,048,060C

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



NOTES:  
1. LOW VOLTAGE FIELD WIRING MUST BE 18 AWG MIN.

<p><b>⚠ WARNING</b> 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><b>⚠ CAUTION</b> 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>
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
**NOTE**  
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.























# 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

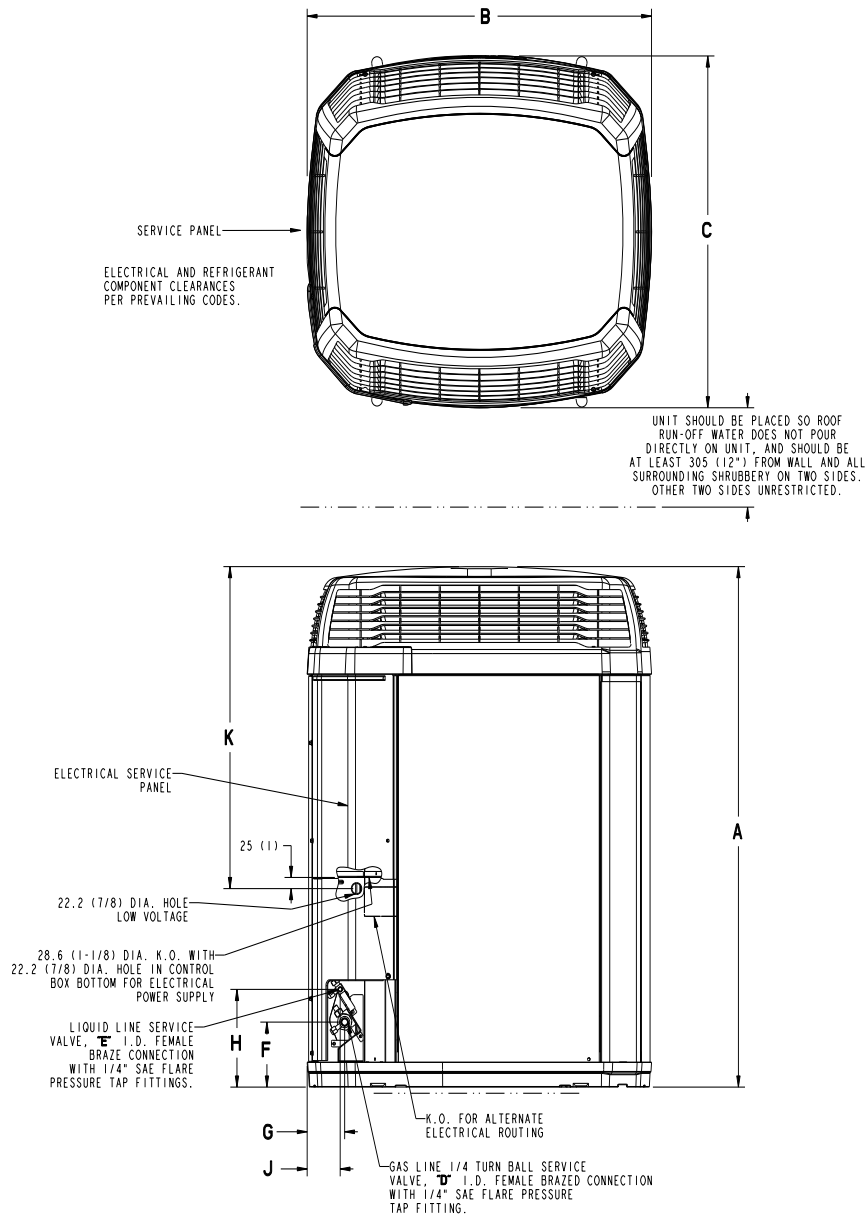
 24 V. } FACTORY WIRING  
 LINE V. }  
 24 V. } FIELD WIRING  
 LINE V. }  
 GROUND  
 JUNCTION  
 WIRE NUT OR CONNECTOR  
 COIL  
 CAPACITOR  
 RELAY CONTACT (N.O.)  
 RELAY CONTACT (N.C.)  
 THERMISTOR  
 INTERNAL OVERLOAD PROTECTOR  
 PRESSURE ACTUATED SWITCH  
 TEMP. ACTUATED SWITCH  
 POL. PLUG FEMALE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

CBS	COIL BOTTOM SENSOR	IOL	INTERNAL OVERLOAD PROTECTOR
CF	FAN CAPACITOR	LPCO	LOW PRESSURE CUTOUT SW.
CN	WIRE CONNECTOR	MS	COMPRESSOR MOTOR CONTACTOR
CPR	COMPRESSOR	ODS	OUTDOOR TEMPERATURE SENSOR
CR	RUN CAPACITOR	RHS	RESISTANCE HEAT SWITCH
CS	STARTING CAPACITOR	SC	SWITCHOVER VALVE SOLENOID
CSR	CAPACITOR SWITCHING RELAY	SM	SYSTEM "ON-OFF" SWITCH
HPCO	HIGH PRESSURE CUTOUT SW.	TDL	DISCHARGE LINE THERMOSTAT
		TNS	TRANSFORMER



# Dimensions

**2TTZ9 OUTLINE DRAWING**  
NOTE: ALL DIMENSIONS ARE IN MM (INCHES)



MODELS	BASE	A	B	C	D	E	F	G	H	J	K
2TTZ9030C	4	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)	933 (36-3/4)
2TTZ9036C	4	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)	933 (36-3/4)
2TTZ9048C	4	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)
2TTZ9060C	4	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)



# Mechanical Specification/Options

## General

The 2TTZ9 is fully charged from the factory for matched indoor section and 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 A.R.I. certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

## ComfortLink™ II

This outdoor unit contains the ComfortLink™ II digital communicating system with 2 wire connection to outdoor unit and Plug-n-Play set up.

## Charge Assist™

The Charge Assist™ indicates system Charge Status.

## Casing

Unit casing is constructed of heavy gauge, G60 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, 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® compressor features a internal over temperature and pressure protection and total dipped hermetic motor. Other features include: roto lock suction and discharge refrigerant connections, 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.

## Comfort Control

ComfortLink™ II Control with 3 wire connection to indoor unit and Plug-n-Play set up.



ARI Standard  
210/240 UAC

