



Split System Cooling Product & Performance Data

XL14i
2TTX4018-060B

1½ – 5 Tons





Features and Benefits

- **Climatuff**® compressor
- Efficiency up to 15.0 SEER
- 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
- Multi-stage fan for quiet operation
- **Quick-Sess**™ cabinet, service access and refrigerant connections with full coil protection
- Glossy corrosion resistant finish
- Internal high/low pressure & temperature protection
- 018,024 & 060 ship with start kit
- Liquid line filter-drier
- **Comfort "R"**™ mode approved
- Multi-use liquid and suction line service valves
- Easy top & fan removal
- Full length control and service valve cover
- R-22 refrigerant
- 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 AY28X079
- Low ambient cooling to 30°F with EDC accessory AY28X079 and TXV
- **Extended warranties available**

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General Data

Product Specifications

Model No. ①	2TTX4018B1	2TTX4024B1	2TTX4030B1	2TTX4036B1
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	10	11	18	20
Max Fuse Size (Amps)	15	15	30	30
Compressor	CLIMATUFF®	CLIMATUFF®	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL
RL Amps - LR.Amps	7.2 - 42	8.3 - 62	13.5 - 73	14.7 - 83
Outdoor Fan FL Amps	0.6	0.9	1.4	1.4
HP	1/15	1/8	1/6	1/6
Dia (inches)	23	23	23	23
Coil	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-22	5/3-LB/OZ	6/9-LB/OZ	6/9-LB/OZ	7/6-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	43.6 x 30.1 x 33	47.6 x 30.1 x 33	47.6 x 30.1 x 33
Weight - Shipping	229	245	245	249
Weight - Net	195	211	210	214
Start Components	YES	YES	NO	NO
Sound Enclosure	YES	YES	YES	YES
Compressor Sump Heat	YES	YES	NO	NO
Optional Accessories: ④				
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X079	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Crank Case Heater Scroll			BAYCCHT301	BAYCCHT301
Hard Start Kit Scroll			BAYKSKT260	BAYKSKT260
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT001	BAYECMT001
Refrigerant Lineset ⑤	TAYREFLN1*	TAYREFLN2*	TAYREFLN2*	TAYREFLN3*

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 - 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
2TTX4018B1	73	50.6	56.2	59.7	65.5	65.3	66.6	57.5	56.7
2TTX4024B1	73	46.9	65.6	65.5	65.3	63.4	61.9	56.7	49.6
2TTX4030B1	74	49.1	56.8	59.1	64.9	68.7	62.5	54.5	47.6
2TTX4036B1	72	49.4	56.0	59.0	66.0	64.6	62.1	55.9	48.8
2TTX4042B1	75	51.4	60.0	63.7	70.8	69.0	61.9	57.3	50.7
2TTX4048B1	75	49.3	59.4	63.9	67.1	72.5	67.6	56.4	52.0
2TTX4060B1	75	46.6	58.6	66.7	70.8	68.3	64.3	55.6	50.2

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



General Data

Product Specifications

Model No. ①	2TTX4042B1	2TTX4048B1	2TTX4060B1
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	1.3	1.3	2.8
HP	1/6	1/6	1/3
Dia (inches)	27.6	27.6	27.6
Coil	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-22	8/9-LB/OZ	9/6-LB/OZ	13/3-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)	46.4 x 35.1 x 38.7	53.4 x 35.1 x 38.7	53.4 x 35.1 x 38.7
Weight - Shipping	292	308	359
Weight - Net	246	260	311
Start Components	NO	NO	YES
Sound Enclosure	YES	YES	YES
Compressor Sump Heat	YES	YES	YES
Optional Accessories: ④			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101
Crank Case Heater Scroll			
Hard Start Kit Scroll	BAYKSKT260	BAYKSKT260	
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT001
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.



SPLIT SYSTEM

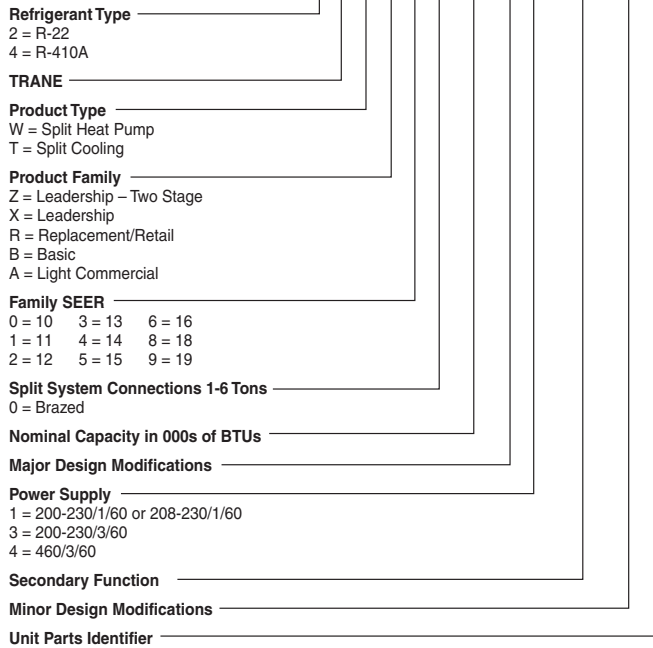




Model Nomenclature

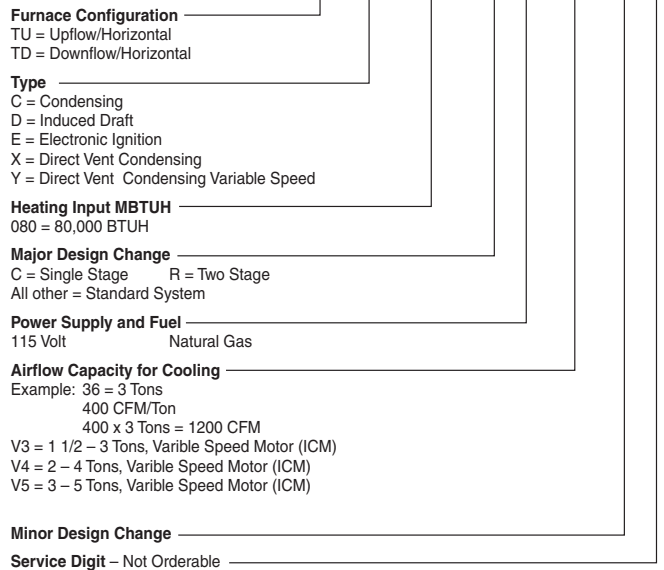
Outdoor Units

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



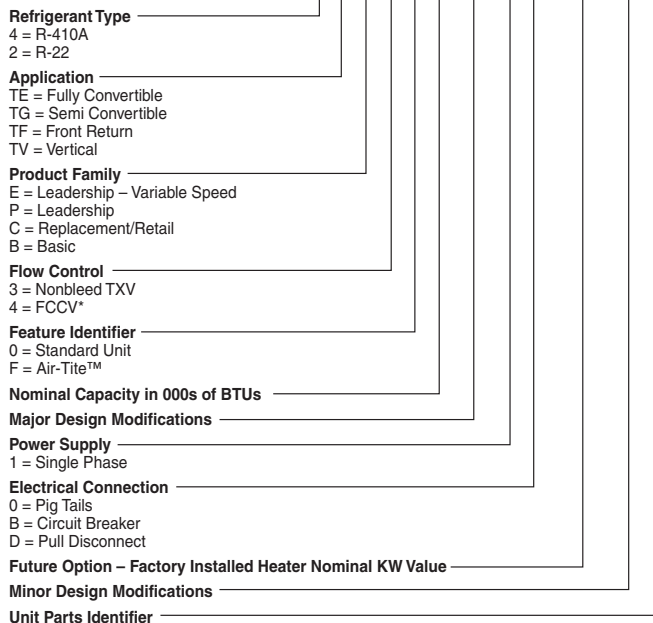
Gas Furnaces

T U Y 0 8 0 R 9 V 3 W 0



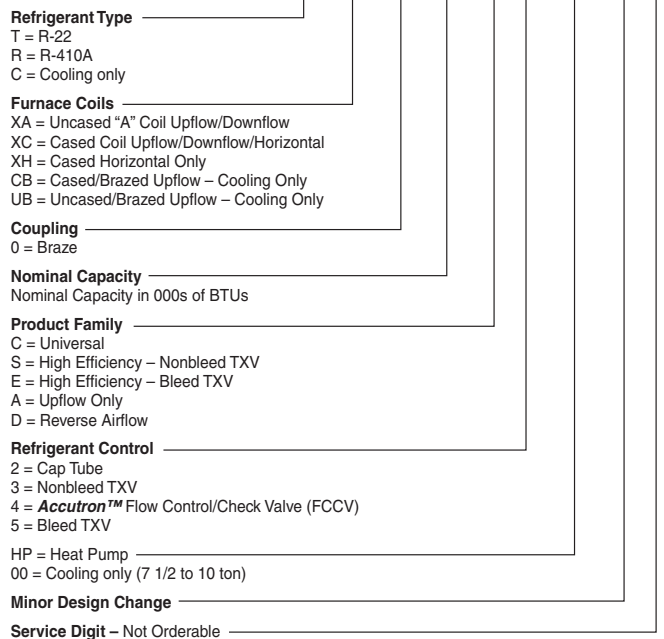
Air Handlers – Residential

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



Furnace Coils

T X C 0 2 4 C 4 H P C 0



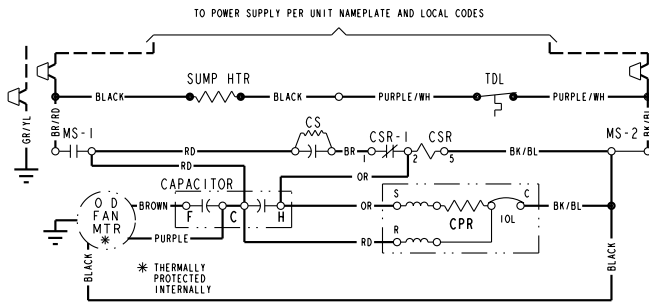
NOTE: There will be a phase-in of new model numbers for new air handlers over next 2 years.
*Shipped with R-22 FCCV

Electrical Data

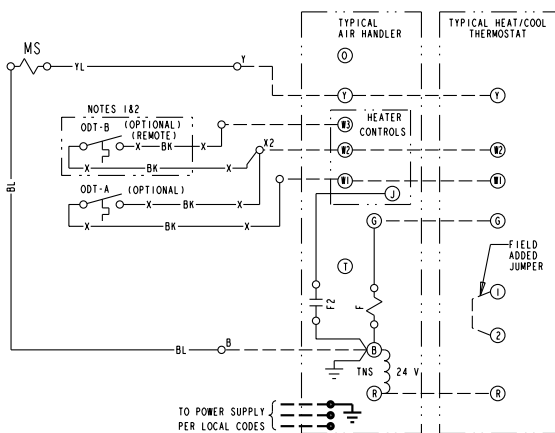
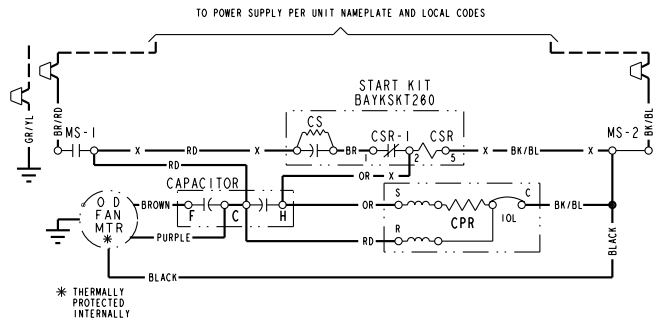
SCHEMATIC DIAGRAMS

(SEE LEGEND)

2TTX4018-024B



2TTX4030-036B

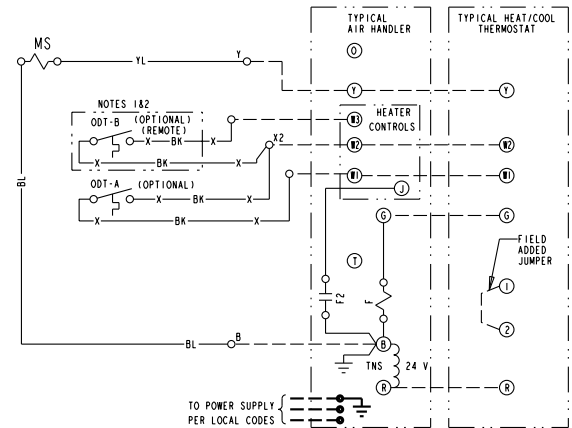


- NOTES:
1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
 2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
 3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

<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>
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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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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.
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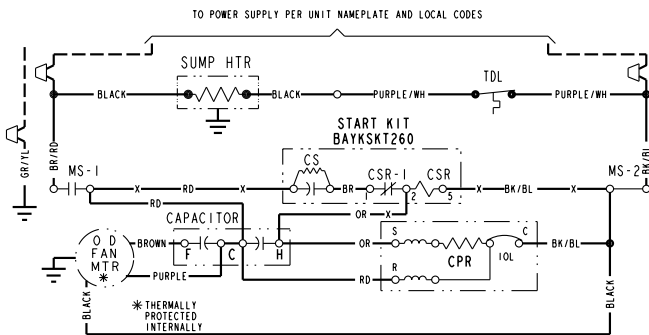


Electrical Data

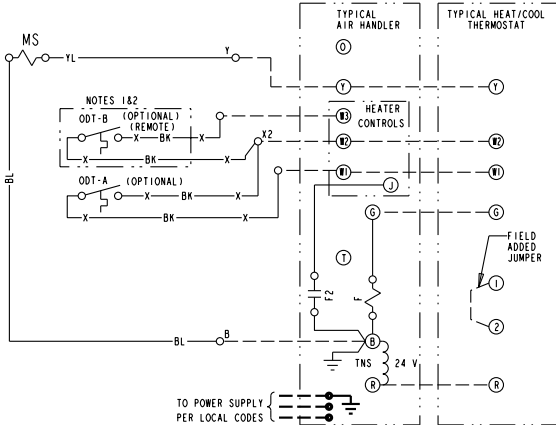
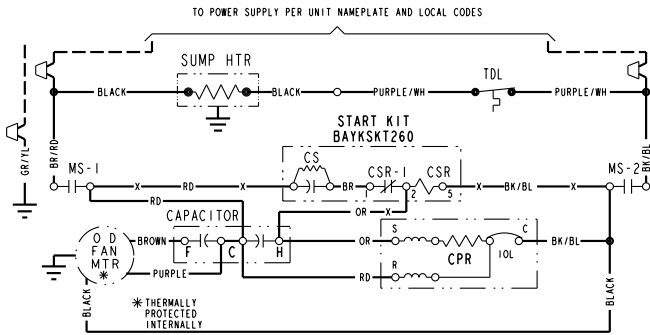
SCHEMATIC DIAGRAMS

(SEE LEGEND)

2TTX4042B



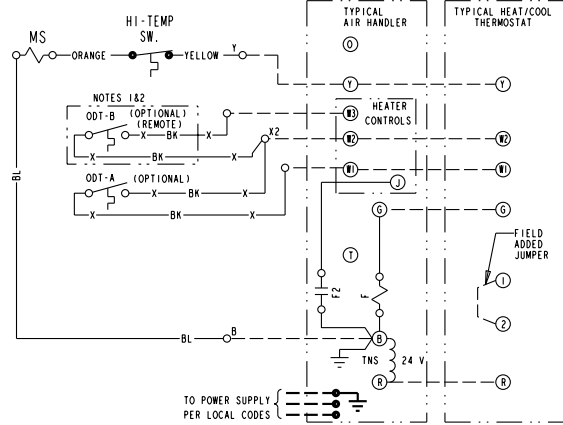
2TTX4048B



- 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>
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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.



- 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.

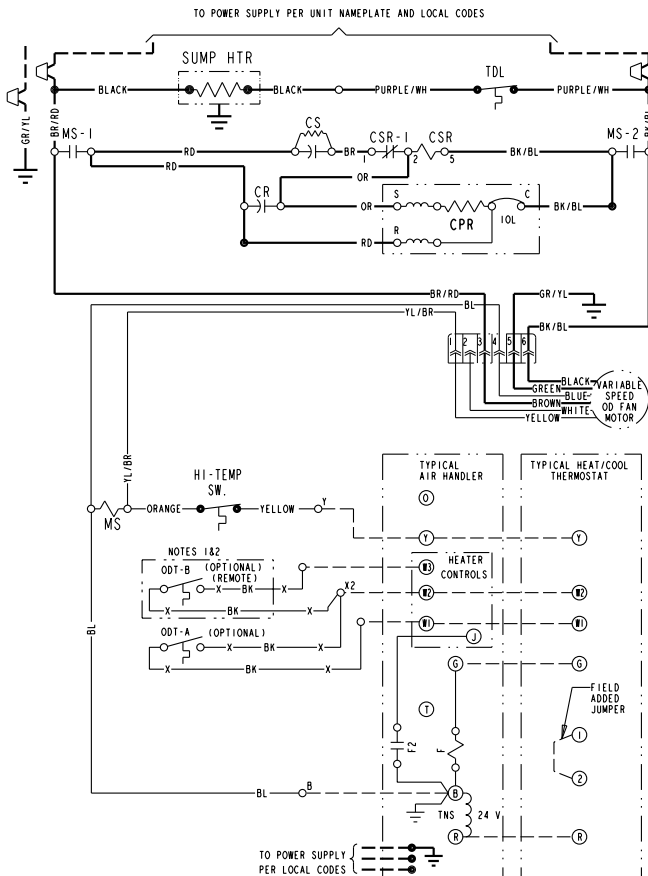
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Electrical Data

SCHEMATIC DIAGRAMS

2TTX4060B



NOTES:

- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
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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 D154235 P01

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

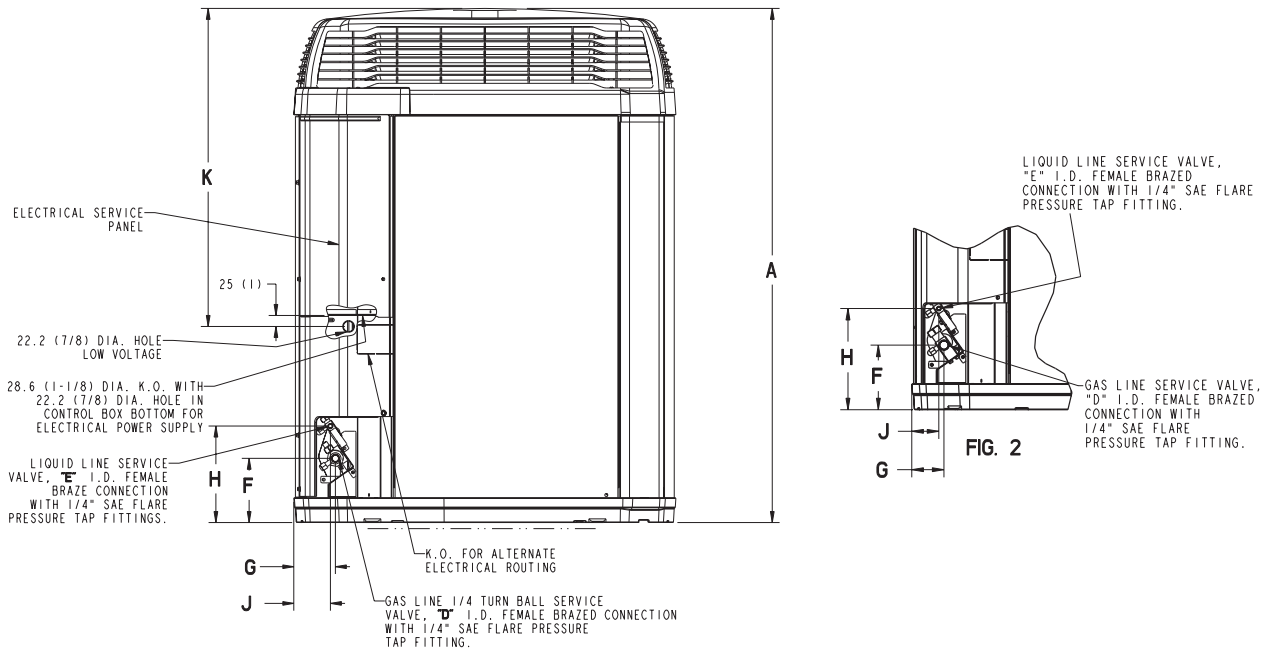
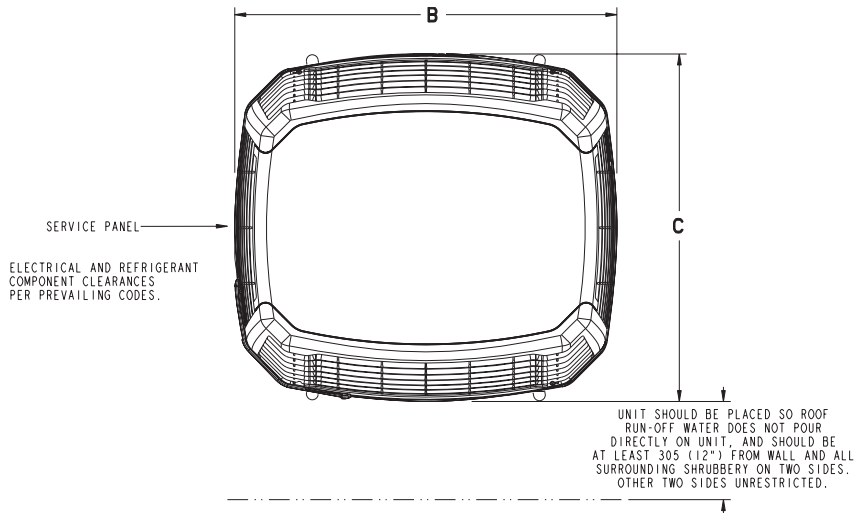
SYMBOL

	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 CUTOUT 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 CUTOUT SW.	TS	HEATING-COOLING THERMOSTAT
IOL	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT
		R	OFT SHUNT RESISTOR

Dimensions

2TTX4 OUTLINE DRAWING
NOTE: ALL DIMENSIONS ARE IN MM (INCHES)



MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2TTX4018B	3	1	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)
2TTX4024B	3	1	1016 (40)	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)
2TTX4030B	3	1	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)
2TTX4036B	3	1	1118 (44)	829 (32-5/8)	756 (29-3/4)	7/8	3/8	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	692 (27-1/4)
2TTX4042B	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)
2TTX4048B	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)
2TTX4060B	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 2TTX4 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 and total dipped hermetic motor. 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 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

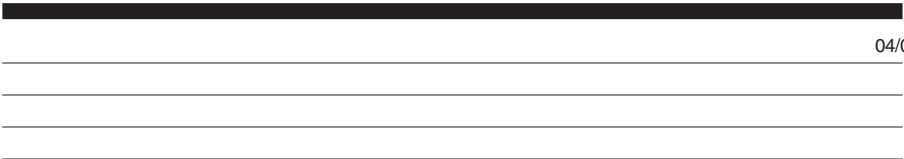
As manufactured, this unit has a cooling capability to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

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.



04/09



TRANE®

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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.