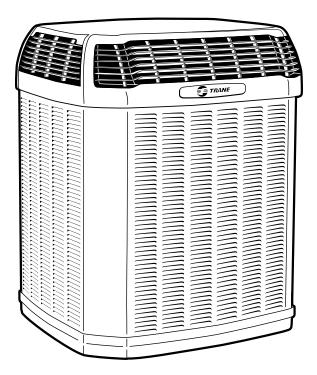


Split System Cooling Product Data

XL16i

1½ – 5 Tons



PUB. NO. 22-1890-04-EN



Features and Benefits

- Climatuff® compressor
- Efficiency up to 16.0 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 & 060 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 control with diagnostics
- · Service valve cover
- R-410A refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient to 30°F with AY28X084
- Low ambient cooling to 55°F as shipped
- Extended warranties available



Contents

Features and Benefits	2
General Data	4
Product Specifications	4
A-weighted Sound Power Level [dB(A)]	4
Accessory Description and Usage	5
AHRI Standard Capacity Rating Conditions	5
Model Nomenclature	6
Electrical Data	7
Dimensions	10
Mechanical Specification Options	11



General Data

Model No. ①	4TTX6018H1000K	4TTX6024H1000A	4TTX6030H1000A	4TTX6036H1000A
Electrical Data V/Ph/Hz 2	200/230/1/60	200/230/1/60	200/230/1/60	208/230/1/60
Min Cir Ampacity	8	11	15	22
Max Fuse Size (Amps)	15	20	25	35
Compressor	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF® - SCROLL
No. Used - No Stages	1-1	1-1	1-1	1-1
RL Amps - LR Amps	6.2 - 38.6	8.6 - 57.8	11.1 - 63	16.7 - 79
Outdoor Fan FL Amps	0.74	0.74	0.74	0.93
Fan HP	1/8	1/8	1/8	1/5
Fan Dia (inches)	27.6	27.6	27.6	26.6
Coil	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-410A	6/09-LB/OZ	6/10-LB/OZ	6/10-LB/OZ	7/11-LB/OZ
Line Size - (in.) O.D. Gas ③	1/2	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)	45.4 x 35.1 x 38.7	45.4 x 35.1 x 38.7	45.4 x 35.1 x 38.7	53.4 x 35.1 x 38.7
Weight - Shipping	271	275	276	283
Weight - Net	227	230	232	235
Start Components	YES	YES	YES	NO
Sound Enclosure	YES	YES	YES	YES
Compressor Sump Heat	NO	NO	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 Kit	BAYCCHT300A	BAYCCHT300A	BAYCCHT300A	BAYCCHT301A
Hard Start Kit Scroll				BAYKSKT263
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT001	BAYECMT001
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	TAYREFLN850	TAYREFLN950	TAYREFLN7*	TAYREFLN7*

Product Specifications

(1) Certified in accordance with the Unitary Air-Conditioner 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.

Sound Power Level

Model	A-Weighted Sound	Full Octave Sound Power [dB]							
Model	Power Level [dB(A)]	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
4TTX6018H1	73	77	74	74	71	65	65	58	53
4TTX6024H1	74	78	76	73	75	71	64	58	54
4TTX6030H1	73	81	79	73	71	67	65	59	55
4TTX6036H1	72	80	75	71	70	67	60	58	47
4TTX6042H1	73	78	72	66	70	69	64	59	49
4TTX6048H1	73	78	72	77	70	65	61	58	50
4TTX6049H1	72	70	70	65	64	62	56	49	42
4TTX6060H1	74	79	71	71	70	71	66	60	51
4TTX6061J1	74	68	70	67	68	64	56	53	48

Note: Rated in accordance with AHRI Standard 270-2008



General Data

Product Specifications

Model No. ①	4TTX6042H1000A	4TTX6048H1000K	4TTX6049H1000A	4TTX6060H1000A	4TTX6061J1000A
Electrical Data V/Ph/Hz 2	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60	230/1/60
Min Cir Ampacity	26	28	26	34	32
Max Fuse Size (Amps)	45	50	45	60	50
Compressor	CLIMATUFF® - SCROLL				
No. Used - No. Stages	1-1	1-1	1-1	1-1	1-1
RL Amps - LR Amps	19.9 - 109	21.8 - 117	19.9 - 109	26.4 - 134	23.7 - 152.5
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™				
Refrigerant R-410A	7/00-LB/OZ	11/00-LB/OZ	11/9-LB/OZ	11/00-LB/OZ	10/15-LB/OZ
Line Size - (in.) O.D. Gas ③	3/4	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	3/8
Dimensions H x W x D (Crated)	53.4 x 35.1 x 38.7	57.4 x 35.1 x 38.7	57.4 x 35.1 x 38.7	57.4 x 35.1 x 38.7	56.63 x 35.1 x 38.7
Weight - Shipping	305	352	324	354	350
Weight - Net	257	302	287	304	301
Start Components	NO	NO	NO	YES	NO
Sound Enclosure	YES	YES	NO	YES	NO
Compressor Sump Heat	NO	NO	NO	NO	NO
Optional Accessories: ④					
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X079	AY28X079	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Crank Case Heater Scroll	BAYCCHT301A	BAYCCHT301A	BAYCCHT301A	BAYCCHT301A	BAYCCHT301A
Hard Start Kit Scroll	BAYKSKT263	BAYKSKT263	BAYKSKT263		BAYKSKT263
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT004	BAYECMT001	BAYECMT004
Snow Leg - Base & Cap 4" High		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*	TAYREFLN4*	TAYREFLN*4

Certified in accordance with the Air-Source Unitary Heat Pump Equipment certification program which is based on AHRI Standard 210/240.
 Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.
 Standard line lengths - 60'. Standard lift - 60' Suction and Liquid line. For 061 units, Max. linear length 60 ft.; Max. lift - Suction 25 ft.; Max lift - Liquid 25 ft. For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0¹. ([†]denotes latest revision)
 For accessory description and usage, see page 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.
- (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.







Model Nomenclature

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 1 = 11 4 = 14 2 = 12 5 = 15 9 = 19
Split System Connections 1-6 Tons
Nominal Capacity in 000s of BTUs
Power Supply 1 = 200-2301/160 or 208-230/1/60 3 = 200-230/3/60 4 = 460/3/60
Secondary Function Minor Design Modifications
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 A A A A
Furnace Configuration TU = Upflow!Horizontal TD = Downflow/Horizontal TD = Downflow/Horizontal Type E = 80% Induced Draft Standard D = 80% Condensing Standard X = 90% Condensing Premium H = 95% Condensing Premium Number of Heating Stages 1 = Single Stage 2 = Two Stage Me Modulating Cabinet Width G = 21.0* Cabinet Width G = 21.0* Cabinet Width
TU = Upflow/Horizontal TD = Downflow/Horizontal Type E 80% Induced Draft Standard D = 80% Induced Draft Premium C = 90% Condensing Premium H = 95% 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
TU = Upflow/Horizontal TD = Downflow/Horizontal Type E 80% Induced Draft Standard D = 80% Induced Draft Premium C = 90% Condensing Premium H = 95% Condensing Premium H = 95% Condensing Premium Number of Heating Stage 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
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 B = 17.5° Cabinet Width B = 17.5° Cabinet Width B = 17.5° Cabinet Width D = 24.5° Cabinet Width Heating Input in 1000's (BTUH) 080 = 80,000 BTUH
TU = Upflow/Horizontal TD = Downflow/Horizontal Type E 80% Induced Draft Standard D = 80% Induced Draft Premium C = 90% Condensing Premium H = 95% Condensing Premium H = 95% Condensing Premium Number of Heating Stage 1 = Single 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 9 = 115 Volts / 60 Hertz / Natural Gas C = 115 Volts / 60 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
TU = Upflow/Horizontal TD = Downflow/Horizontal Type E = 80% Induced Draft Standard D = 80% Induced Draft Standard C = 90% Condensing Standard X = 90% Condensing Premium H = 95% Condensing Premium H = 95% Condensing Premium Number of Heating Stages 1 = Single Stage 2 = Two Stage M = Modulating Cabinet Width B = 17.5° Cabinet Width B = 17.5° Cabinet Width B = 17.5° Cabinet Width D = 24.5° Cabinet Width Heating Input in 100°s (BTUH) 080 = 80,000 BTUH Major Design Change Voltage 9 = 115 Volts / 60 Hertz / Natural Gas A = 115 Volts / 60 Hertz / Natural Gas A = 115 Volts / Natural Gas with Integrated Electronic Filter D = 115 Volts / Natural Gas with Communicating System Control F = 115 Volts / Natural Gas with Communicating System Control F = 115 Volts / Natural Gas with Communicating System Control F = 115 Volts / Natural Gas with Communicating System Control F = 115 Volts / Natural Gas with Communicating System Control F = 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 42 = 3.5 Tons V5 = 5 Tons H5 = 5 Tons 43 = 4 Tons 44 = 4 Tons 48 = 4 Tons

Air Handler 1 2 3 4 5 6 7 8 9 1011 1213 G A M 5 A 0 B 3 6 M 3 1 S	
Air Handler $\begin{array}{c} G \land M & 5 \land A & 0 \\ \hline A & A & A & A \\ \hline A & A & A & A \\ \hline A & A & A & A \\ \hline A & A & A & A \\ \hline A & A & A & A \\ \hline A & A & A \\$	Â
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 Effy. 5 = Better, Entry Level High Effy., Multi-Speed 7 = Best, Retail Replacement High Effy., Variable-Speed 8 = Best, Retail Ultimate High Effy., 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 Efty PSC, 1-5 - nom. Tonnage (cfm/ton) M = Mid Efty Multi-Speed, 1-5 - nom. Tonnage (cfm/ton) H = High Efty Multi-Speed, 1-5 - nom. Tonnage (cfm/ton) V = High Efty Variable, 1-5 - nom. Tonnage (cfm/ton)	
Power Supply	
System Control Type S = Standard - 24 VAC C = CUI 13.8 VDC	
Minor Design Change	
Unit Parts Identifier	
Heat Pump/ 1 2 3 4 5 6 7 8 9 10 11 12 13	3 14 1
Cooling Coils $4 \stackrel{\text{T}}{+} \stackrel{\text{X}}{+} \stackrel{\text{B}}{+} \stackrel{\text{O}}{+} \stackrel{\text{36}}{+} \stackrel{\text{A}}{+} \stackrel{\text{C}}{+} \stackrel{\text{A}}{+} \stackrel{\text{O}}{+} \stackrel$	A A
	Ĩ
Refrigerant Type	
4 = R-410A Series T = Premium (Heat Pump or Convertible Coil)	
4 = R-410A Series	
4 = R-410A Series T = Premium (Heat Pump or Convertible Coil) C = Standard (Cooling Only) Coil Design	

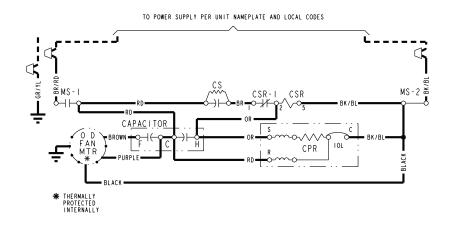
Service Digit - Not Orderable

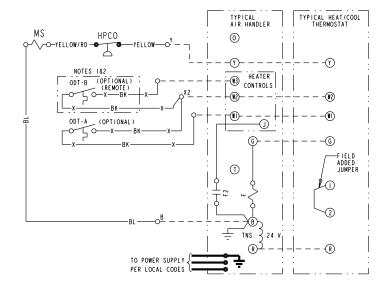


Schematic Diagrams

(SEE LEGEND)

4TTX6018H





CBS CÓIL BÓTTOM ŚENSOŘ CF FAN CAPACITOR CN WIRE CONNECTOR CPC COMPRESSOR CR RUW CAPACITOR CS STARTING CAPACITOR CS CAPACITOR SWITCHING RELAY DFC DEFROST CONTROL F INDOOR FAN RELAY HA HEATING ANTICIPATOR HACHTING ANTICIPATOR HACHTING ANTICIPATOR	LPCO LOW PRESSURE CUTOUT SW. MS COMPRESSOR MOTOR CONTACTOR DDA OUTDOOR ANTICIPATOR OFT OUTDOOR FAN THERMOSTAT DOS OUTDOOR TEMERATURE SENSOR RDS OUTDOOR THERMOSTAT HS RESISTANCE HEAT SWITCH SC SWITCHOVER VALVE SOLENOID SWITCHOVER
▲ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING CAN CAUSE 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

BŔ/	BL	BLACK	WIRE	WITH	BLUE	MARKER	
	COL	OR OF	MARK	ER			
		OR				YELLOW	
BL	BLUE	RD	RED		GR	GREEN	
BR	BROWN	WH	WHITE		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 WI & W2 AT AIR HANDLER.
 LOW VOLTAGE (24 V.) FIELD WIRING MUST BE I8 AWG MIN.

FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING ISOV-TO-GROUND. <u>ATTENTION:</u> NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE ISO V A LA TERRE.

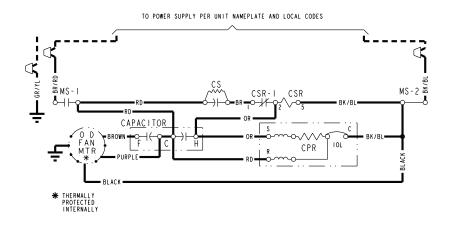
Printed from D156722P01

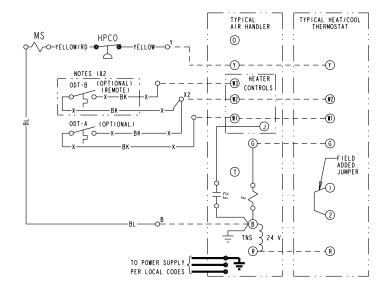


Schematic Diagrams

(SEE LEGEND)

4TTX6024H





IBS COIL BOTTOM SENSOR F FAN CARCITOR PR CONNECTOR PR COMPRESSOR R RUN CAPACITOR R RUN CAPACITOR SS CAPACITOR SWITCHING RELAY SR CAPACITOR SWITCHING RELAY INDOOR FAN 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

ΒŔ	/BL E	BLACK	WIRE	WITH	BLUE	MARKER
	4_ COLC	OR OF	MARKE	ER		
ВΚ	BLACK	OR	ORAN	NGE	ΥL	YELLOW
BL	BLUE	RD	RED		GR	GREEN
BR	BROWN	WН	WHITE		PR	PURPLE

NOTES:

CCCCCCCCDF

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 WI & 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 ISOV-TO-GROUND. ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE ISO V A LA TERRE.

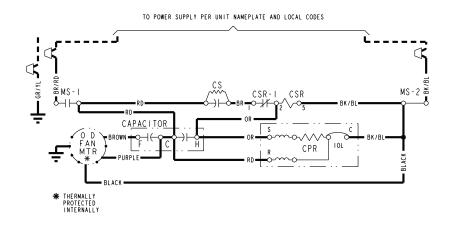
Printed from D156722P01

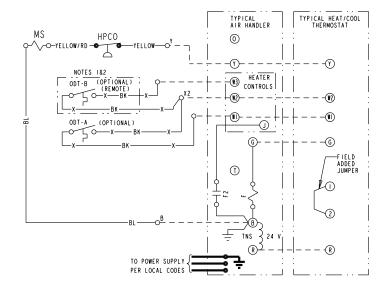


Schematic Diagrams

(SEE LEGEND)

4TTX6030H





CN WIRE CONNECTOR CPR COMPRESSOR CR RUN CAPACITOR CS STARTING CAPACITOR CS CAPACITOR SWITCHING RELAY DFC DEFROST CONTROL F INDOR FAN RELAY HA HEATING ANTICIPATOR HACHIGH RESSURE CUTOUT SW.	
▲ 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

BŔ	/BL	BLACK	WIRE	WITH	BLUE	MARKER	
	4_ COL	OR OF	MARK	ER			
ВК	BLACK	OR	ORA	NGE	ΥL	YELLOW	
BL	BLUE	RD	RED		GR	GREEN	
BR	BROWN	WH	WHITE		PR	PURPLE	

NOTES:

000000000

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 WI & W2 AT AIR HANDLER.
 LOW VOLTAGE (24 V.) FIELD WIRING MUST BE I8 AWG MIN.

FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING ISOV-TO-GROUND. <u>ATTENTION:</u> NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE ISO V A LA TERRE.

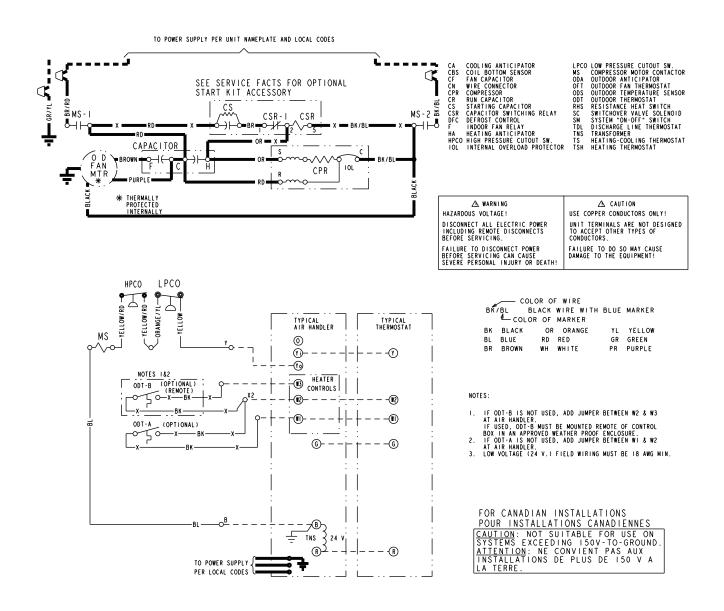
Printed from D156722P01



Schematic Diagrams

(SEE LEGEND)

4TTX6036H

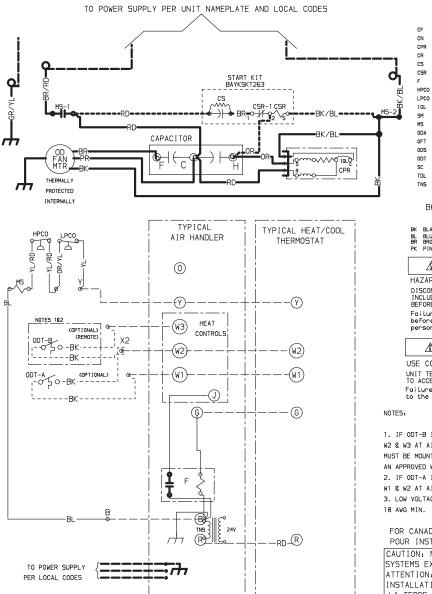


Printed from D157211P02



Schematic Diagrams

4TTX6042H



COMPRESSOR RUN CAPACITOR STARTING CAPACITOR CAPACITOR SWITCHING RELAY INDOOR FAN RELAY HIGH PRESSURE CUTOUT SWITCH LOW PRESSURE CUTOUT SWITCH INTERNAL OVERLOAD PROTECTOR SYSTEM ON-OFF SWITCH COMPRESSOR MOTOR CONTACTOR OUTDOOR ANTICIPATOR OUTDOOR FAN THERMOSTAT OUTDOOR TEMPERATURE SENSOR

- OUTDOOR THERMOSTAT SWITCH OVER VALVE SOLENOID ODT SC
- TDL DISCHARGE LINE THERMOSTAT TRANSFORMER TNS

-COLOR OF WIRE

FAN CAPACITOR

WIRECONNECTOR

BK/BL COLOR OF MARKER BLACK RD RED OR ORANGE BLUE WH WHITE GR GREEN BROWN YL YELLOW PR PURPLE PINK

AWARNING

HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. Failure to disconnect power before servicing can cause severe personal injury or death.

ACAUTION

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.

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

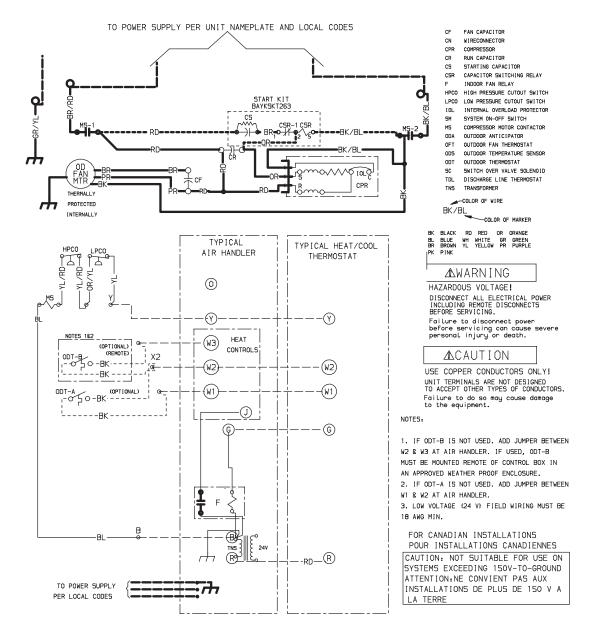
FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

Printed from D156552P01



Schematic Diagrams

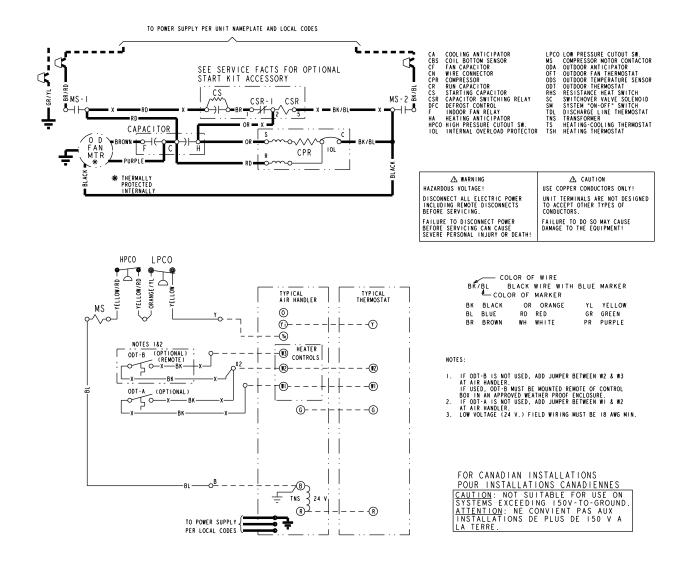
4TTX6048H





Schematic Diagrams

4TTX6049H

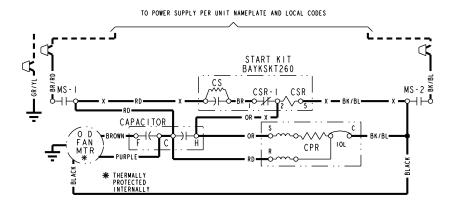


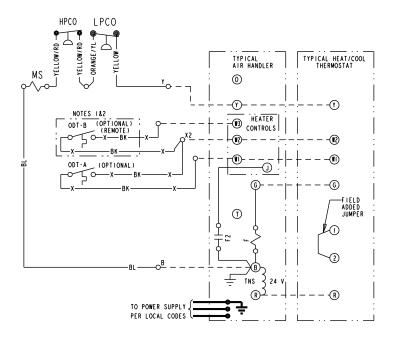
Printed from D157125P02



Schematic Diagrams

4TTX6060H





CA CBS CF CN CPR CR CS CSR DFC F HA HPCO IOL	HIGH PRESSURE CUTOUT SW.	LPCO MS ODA OFT ODS ODT RHS SC SM TDL TNS TS TSH	LOW PRESSURE CUTOUT SW. COMPRESSOR MOTOR CONTRACTOR OUTDOOR ANTICIPATOR OUTDOOR FAN THERMOSTAT OUTDOOR THEMPERATURE SENSOR OUTDOOR THERMOSTAT RESISTANCE HEAT SWITCH SWITCHOVER VALVE SOLENOID STSTEM "ON-OFF" SWITCH DISCHARGE LINE THERMOSTAT TRANSFORMER HEATING COOLING THERMOSTAT HEATING THERMOSTAT
	∆ WARNING		🛆 CAUTION
HAZ	ARDOUS VOLTAGE!	USE	COPPER CONDUCTORS ONLY!
INC	CONNECT ALL ELECTRIC POWER LUDING REMOTE DISCONNECTS DRE SERVICING.	TO	T TERMINALS ARE NOT DESIGNED ACCEPT OTHER TYPES OF IDUCTORS.
BEF	LURE TO DISCONNECT POWER DRE SERVICING CAN CAUSE ERE PERSONAL INJURY OR DEATH!		LURE TO DO SO MAY CAUSE AGE TO THE EQUIPMENT!

- COLOR OF WIRE

ВŔ	BL	BLACK	WIRE	WITH	BLUE	MARKER
	COL	OR OF	MARK	ER		
ВΚ	BLACK	OR	ORAI	NGE	ΥL	YELLOW
BL	BLUE	RD	RED		GR	GREEN
BR	BROWN	WH	WHITE		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 A APPROVED WEATHER PROOF ENCLOSURE.
 IF ODT-A IS NOT USED, ADD JUMPER BETWEEN WI & W2 AT AIR HANDLER.
 LOW VOLTAGE (24 V.) FIELD WIRING MUST BE I8 AWG MIN.

FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES

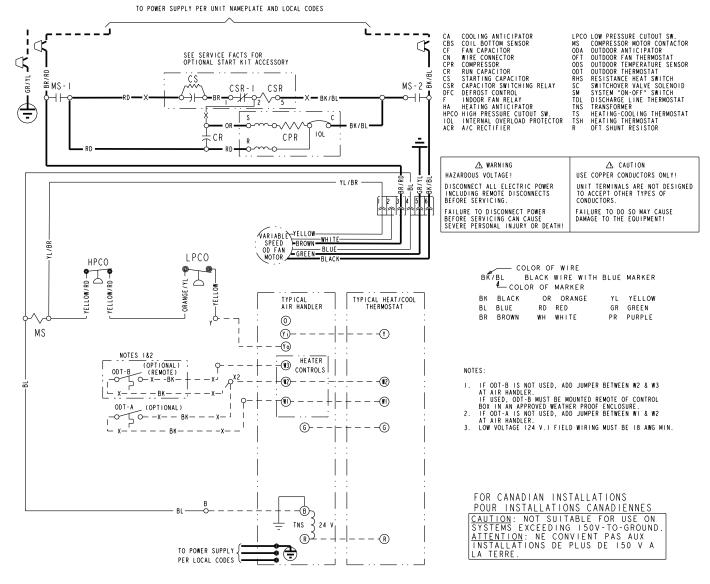
CAULION: NOT 3	50117	ABLE	FOR	USE	ON
SYSTEMS EXCEE	DING	150	v - TO	-GRC	DUND.
ATTENTION: NE	CONV	VIENT	PAS	S AU	Х
INSTALLATIONS	DE F	PLUS	DE I	50 '	VA
LA TERRE					

Printed from D156974P01



Schematic Diagrams

4TTX6061J



From Drawing D158442p01



Schematic Diagrams

LEGEND

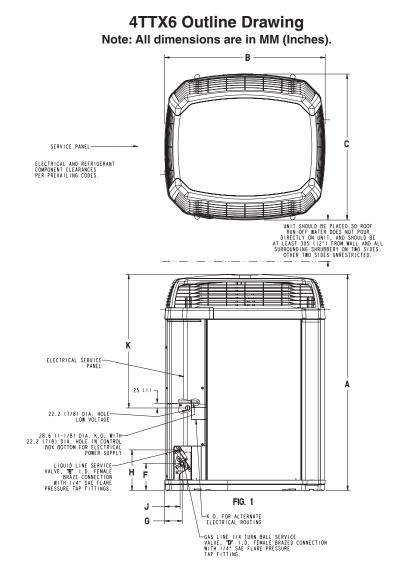
N	COL	OR OF	WIRE WIRE WITH		
BŔ.	/BL BI	ACK	WIRE WITH	BLUE	MARKER
	4_ COLO	r of	MARKER		
ΒK	BLACK	OR	ORANGE	ΥL	YELLOW
ΒL	BLUE	RD	RED	GR	GREEN
ΒR	BROWN	WΗ	WHITE	ΡR	PURPLE

24 V. LINE V. } FACTORY WIRING 24 V. LINE V. } FIELD WIRING - X → FIELD INSTALLED FACTORY WIRING GROUND GROUND GROUND GROUND CAPACITON CAPACITOR 24 V. FIELD WIRING 24 V. FIELD WIRING 	
THERMISTOR	
0 0 INTERNAL OVERLOAD PROTECTOR	
T PRESSURE ACTUATED SWITCH	
F TEMP. ACTUATED SWITCH	
POL. PLUG FEMALE HOUSING (MALE TERM.)	
POL. PLUG MALE HOUSING	
$\sim\!\!\sim\!\!\sim$ resistor or heating element	
OMOTOR WINDING	
O TERMINAL	

СA	COOLING ANTICIPATOR	LPCO	LOW PRESSURE CUTOUT SW.
CBS	COIL BOTTOM SENSOR	MS	COMPRESSOR MOTOR CONTACTOR
CF	FAN CAPACITOR	ODA	OUTDOOR ANTICIPATOR
CN	WIRE CONNECTOR	OF T	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.	ΤS	HEATING-COOLING THERMOSTAT
IOL	INTERNAL OVERLOAD PROTECTOR	ТSН	HEATING THERMOSTAT
CSR DFC F HA HPCO	CAPACITOR SWITCHING RELAY DEFROST CONTROL INDOOR FAN RELAY HEATING ANTICIPATOR HIGH PRESSURE CUTOUT SW.	SC SM TDL TNS TS	SWITCHOVER VALVE SOLENOID SYSTEM "ON-OFF" SWITCH DISCHARGE LINE THERMOSTAT TRANSFORMER HEATING-COOLING THERMOSTAT



Dimensions



MODELS	BASE	FIG.	А	В	с	D	E	F	G	н	J	к
4TTX6018H	4	1	1064 (41-7/8)	946 (37-1/4)	870 (34-1/4)	1/2	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	730 (28-3/4)
4TTX6024H	4	1	1064 (41-7/8)	946 (37-1/4)	870 (34-1/4)	5/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	730 (28-3/4)
4TTX6030H	4	1	1064 (41-7/8)	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)	730 (28-3/4)
4TTX6036H	4	1	1267 (49-7/8)	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)	730 (28-3/4)
4TTX6042H	4	1	1267 (49-7/8)	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)	730 (28-3/4)
4TTX6048H	4	1	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)
4TTX6049H	4	1	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)
4TTX6060H	4	1	1369 (53-7/8)	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)	730 (28-3/4)
4TTX6061J	4	1	1369 (53-7/8)	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)	730 (28-3/4)



Mechanical Specification Options

General

The 4TTX6 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, galvanized steel and painted with a weather-resistant powder paint finish on all louvered panels and the fan top panel. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test . The base is made of a CMBP-G30 weatherproof material to resist corrosion.

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 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 30°F.

Accessories

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

Evaporator Defrost Control — See Low Ambient Cooling.





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

02/15