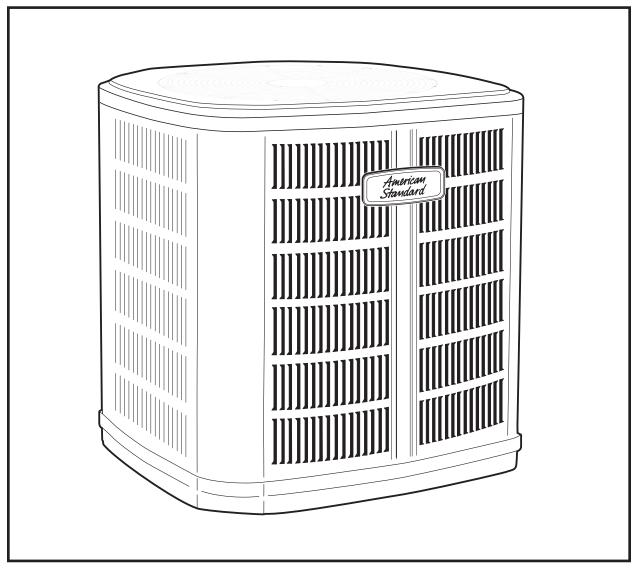
American Standard

HEATING & AIR CONDITIONING

SPLIT SYSTEM HEAT PUMP $1 \frac{1}{2} - 5$ TON



HERITAGE[®] 15 MODELS 4A6H5

PUB. NO. 12-1256-15 July 2012



Features and Benefits

- **DURATION**[™] compressor
- Efficiency up to 17.0 SEER and 9.0 HSPF
- All aluminum **SPINE FIN**[™] coil
- WEATHERGUARD[™] fasteners
- EASY-SESS™ cabinet, service access and refrigerant connections with full coil protection
- **DURABASE**[™] base, fast complete drain, weatherproof
- **COMFORT-R™** mode approved
- Glossy corrosion resistant finish
- Internal compressor high/low
 pressure & temperature protection
- 018–036 & 061 ship with start kit
- Compressor Sump Heat

- Liquid line filter/drier
- Spinnaker gray cabinet with high contrast 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

Features and Benefits	2
General Data Product Specifications	4
A-weighted Sound Power Level [dB(A)]	4
Accessory Description and Usage	6
AHRI Standard Capacity Rating Conditions	6
Model Nomenclature	7
Electrical Data	8
Dimensions	15
Mechanical Specification Options	16

General Data

Product Specifications

Model No. ①	4A6H5018G1	4A6H5024G1	4A6H5030G1	4A6H5036G1
Electrical Data V/Ph/Hz 💿	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	DURATION™	DURATION™	DURATION™	DURATION™
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	0.74	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	YES	YES	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 💿	TAYREFLN950	TAYREFLN950	TAYREFLN7*	TAYREFLN7*

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 - 80'. 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	SOUND POWER A-WEIGHTED FULL OCTAVE SOUND POWER LEVEL dB - [dB(A)] High Stage								
MODEL	LEVEL [dB(A)]	63	125	250	500	1000	2000	4000	8000	
4A6H5018G	75	52.3	57.8	62.4	67.2	69.4	67.2	59.6	52.5	
4A6H5024G	75	50.3	55	58.6	65.3	69.5	64.5	58.6	50.8	
4A6H5030G	75	48.8	55.4	60.1	66.4	67.4	63.9	60.2	53.5	
4A6H5036G	75	54.5	55.1	58.3	67	69.8	65.9	59.7	49.1	
4A6H5042G	75	55.1	52	59.3	64.9	67.2	63.5	60.4	47.6	
4A6H5049E	75	43.7	51.2	54.5	61	61.5	57.1	51.3	40.7	
4A6H5061E	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.

American Standard HEATING & AIR CONDITIONING

General Data

Product Specifications

Model No. ①	4A6H5042G1	4A6H5049E1	4A6H5061E1	
Electrical Data V/Ph/Hz 2	208/230/1/60	208/230/1/60	208/230/1/60	
Min Cir Ampacity	23	28	36	
Max Fuse Size (Amps)	40	50	60	
Compressors	DURATION™ ⁻ SCROLL	DURATION™ - SCROLL	DURATION™ ⁻ SCROLL	
RL AMPS - LR AMPS	16.7 - 112	21.8 - 117	26.4 - 134	
Outdoor Fan FL Amps	0.74	1.00	2.80	
Fan HP	1/8	1/5	1/3	
Fan Dia (inches)	26.6	27.6	27.6	
Coil	Spine Fin™	Spine Fin™	Spine Fin™	
Refrigerant R-410A	9/14-LB/OZ	13/10-LB/OZ	13/12-LB/OZ	
Line Šize - (in.) O.D. Gas ③	3/4	7/8	1-1/8	
Line Size - (in.) O.D. Liquid ③	3/8	3/8	3/8	
Dimensions H x W x D (Crated)	42 x 35.1 x 38.7	51 x 35.1 x 38.7	51 x 35.1 x 38.7	
Weight - Shipping	277	331	332	
Weight - Net	243	294	295	
Start Components	NO	NO	YES	
Sound Enclosure	YES	NO	NO	
Compressor Sump Heat	YES	YES	YES	
Optional Accessories: ④				
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	
Evaporator Defrost Control A/C	AY28X084	AY28X084	AY28X084	
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	
Crankcase Heater	BAYCCHT300			
Hard Start Kit Scroll	BAYKSKT260	BAYKSKT260		
Extreme Condition Mounting Ki		BAYECMT004	BAYECMT004	
Snow Leg - Base & Cap 4" High		BAYLEGS002	BAYLEGS002	
Snow Leg - 4" Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003	
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	
Refrigerant Lineset 5	TAYREFLN7*	TAYREFLN3*	TAYREFLN3*	

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 Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0[†]. (†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.

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.





American Standard HEATING & AIR CONDITIONING

Model Nomenclature

Outdoor Units	6	H ▲	5	0	3	6	G	1	0	0	0	A
Refrigerant Type 2 = R-22 4 = R-410A												
American Standard												
Product Type 6 = Split Heat Pump 7 = Split Cooling												
Product Family Z = Leadership – Two Stage H = Heritage (heat pump) A = Allegiance (cooling) B = Basic C = Light Commercial												
Family SEER 0 = 10 3 = 13 6 = 16 1 = 11 4 = 14 8 = 18 2 = 12 5 = 15 9 = 19												
Split System Connections 1-6 Tons												
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												

Air Handlers – $4 \frac{1}{4}$	E <u>E</u> <u>3</u>	F 3	6 <u>A</u>	1 0 0	
Residential		1 1			
Refrigerant Type 4 = R-410A					
Application					
TE = Fully Convertible TG = Semi Convertible					
TF = Front Return					
Product Family					
E = Leadership – Variable Speed P = Leadership					
C = Replacement/Retail					
B = Basic					
Flow Control					
0 = No Flow Control 3 = Nonbleed TXV					
Feature Identifier					
0 = Standard Unit					
F = Air-Tite™					
Nominal Capacity in 1000's (BTUH)					
Major Design Change					
Power Supply 1 = Single Phase					
Electrical Connection					
0 = Pig Tails B = Circuit Breaker					
D = Pull Disconnect					
Future Option – Factory Installed Heater Nomin	al KW Val	ue —			
Minor Design Modifications					
Unit Parts Identifier					
NOTE: There will be a phase in of new model num					

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

Gas Furnaces $A \cup D \stackrel{2}{} B \stackrel{0}{} 0 \stackrel{3}{} 0 \stackrel{4}{} C \stackrel{\sqrt{3}}{} \stackrel{2}{} A \stackrel{4}{} A$
Furnace Configuration
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 3 = Three Stage
Cabinet Width A = 14.5" Cabinet Width B = 17.5" Cabinet Width C = 21.0" Cabinet Width D = 24.5" Cabinet Width
Heating Input 080 = 80,000 MBTUH
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 36 = 3 Ton Standard PSC Motor H3 = 3 Ton High Efficiency Motor V3 = 3 Ton Variable Speed Motor
Draft Inducer Speeds 1 = Single Speed 2 = Two Speed V = Variable Speed
Minor Design Change

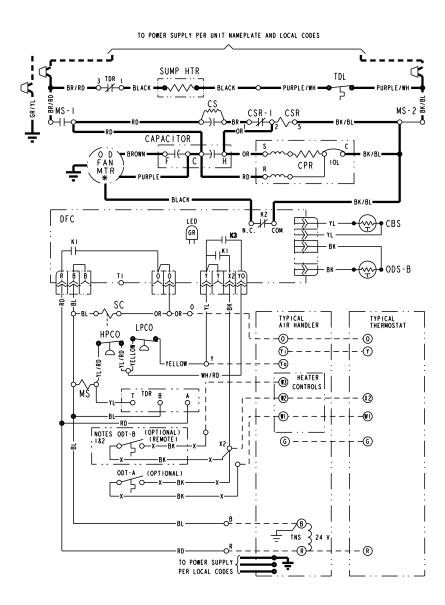
Service Digit - Not Orderable

Coils – <u>4 T X C B 0 0 1 C C 3 H C A A</u> Residential						
Refrigerant Type 4 - R410A Product Family T-Premium						
(Heat Pump or Convertible Coil) Coil Design X - Direct Expansion Evaporator Coil						
Product Family C - Cased A Coil A - Uncased A Coil F - Cased Horizontal Flat Coil						
CoilWidth (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 - Brazed						
Model Number Distinguisher						
Major Design Change						
Efficiency C - Standard S - Hi Efficiency (Derived from 10 SEER products)						
3 - TXV - Non-Bleed						
Coil Circuitry						
Airflow Configuration A - Upflow Only U - Upflow / Downflow H - Horizontal Only C - Convertible - Upflow, Downflow, Left or Right Airflow						
Minor Design Change						
Unit Parts Identifier						



Schematic Diagrams

4A6H5018



	CA CBS CF CN CPR CS CSR DFC F HA HPCO IOL	COOLING ANTICIPATOR COIL BOTTOM SENSOR FAN CAPACITOR WIRE COMMECTOR COMPRESSOR RUN CAPACITOR STATING CAPACITOR CAPACITOR SWITCHING RELAY DEFROST CONTROL INDOOR FAN RELAY HEATING ANTICIPATOR HIGH PRESSURE CUTOUT SW. INTERNAL OVERLOAD PROTECTOR	L PCO MS ODA OFT ODS ODT RHS SC SM TDL TNS TSH TDR	LOW PRESSURE CUTOUT SW. COMPRESSOR MOTOR CONTACTOR OUTDOOR ANTICIPATOR OUTDOOR ANTICIPATOR OUTDOOR THERMOSTAT RESISTANCE HEAT SWITCH SWITCHOVER VALVE SOLENOID SYSTEM "ON OFF" SWITCH DISCHARGE LINE THERMOSTAT THANSFORMER HEATING THERMOSTAT TIME DELAY RELAY
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▲ WARNING	▲ CAUTION
HAZARDOUS VOLTAGE!	USE COPPER CONDUCTORS ONLY!
DISCONNECT ALL ELECTRIC POWER	UNIT TERMINALS ARE NOT DESIGNED
INCLUDING REMOTE DISCONNECTS	TO ACCEPT OTHER TYPES OF
BEFORE SERVICING.	CONDUCTORS.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

	c	DLOR O	WIRE		
BŔ	BL	BLACK	WIRE WI	TH BLUE	MARKER
	۳ COL	OR OF	MARKER		
ВК	BLACK	OR	ORANGE	E YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WН	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.

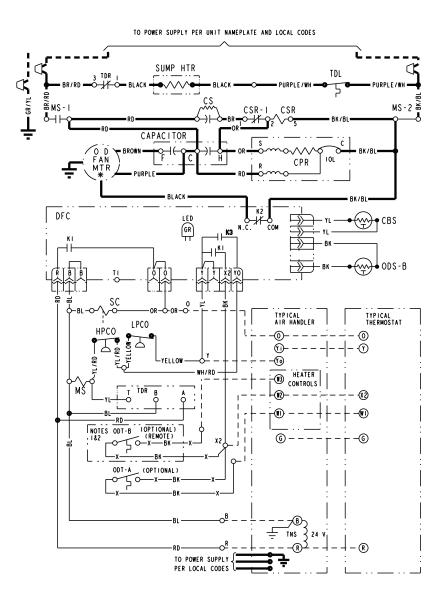
FOR CANADIAN INSTALLATIONS

POUR INSTALLATIONS CANADIENNES
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.
SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX
INSTALLATIONS DE PLUS DE 150 V A
LA TERRE.

American Standard CONDITIONING

Schematic Diagrams

4A6H5024



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	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		TRANSFORMER
HPCO	HIGH PRESSURE CUTOUT SW.	TS	HEATING-COOLING THERMOSTAT
10L	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT
		TDR	TIME DELAY RELAY

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

. BL/	ACK	WIRE	WITH	BLUE	MARKER
- COLOR	OF	MARK	ER		
LACK	OR	ORAN	IGE	ΥL	YELLOW
.UE	RD	RED		GR	GREEN
ROWN	WН	WHITE		PR	PURPLE
	– BL – COLOR	BLACK COLOROF LACKOR UE RD	BLACK WIRE COLOR OF MARKI LACK OR ORAN UE RD RED	COLOR OF MARKER LACK OR ORANGE .UE RD RED	BLACK WIRE WITH BLUE - COLOR OF MARKER LACK OR ORANGE YL .UE RD RED GR

NOTES:

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

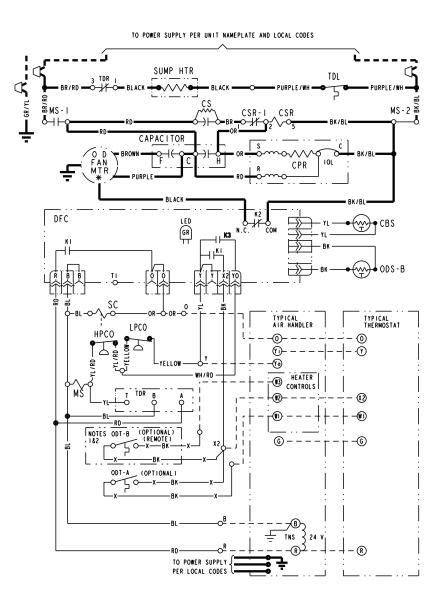
FOR CANADIAN INSTALLATIONS

POUR INSTALLATIONS CANAD	IENNES
CAUTION: NOT SUITABLE FOR SYSTEMS EXCEEDING 150V-TC ATTENTION: NE CONVIENT PA INSTALLATIONS DE PLUS DE	USE ON
SYSTEMS EXCEEDING 150V-TO	O-GROUND.
ATTENTION: NE CONVIENT PA	S AUX
INSTALLATIONS DE PLUS DE	150 V A
LA TERRE.	



Schematic Diagrams

4A6H5030



CA COOLING ANTICIPATOR	LPCO LOW PRESSURE CUTOUT SW.
CBS COIL BOTTOM SENSOR	MS COMPRESSOR MOTOR CONTACTOR
CF FAN CAPACITOR	ODA OUTDOOR FAN THEMPOSTAT
CN WIRE CONNECTOR	ODS OUTDOOR FAN THEMPOSTAT
CPR COMPRESSOR	ODS OUTDOOR THERMOSTAT
CR RUN CAPACITOR	RNS RESISTANCE HEAT SWITCH
CS STARTING CAPACITOR	SC SWITCHOVER VALVE SOLENOID
CS CAPACITOR SWITCHING RELAY	SM SYSTEM "ON-OFF" SWITCH
DFC DEFROST CONTROL	TDL DISCHARGE LINE THERMOSTAT
F INDOOR FAN RELAY	TS HEATING THERMOSTAT
HA HEATING ANTICIPATOR	TS HEATING THERMOSTAT
HPCO HIGH PRESSURE CUTOUT SW.	TSH HEATING THERMOSTAT
IOL INTERNAL OVERLOAD PROTECTOR	TDR TIME DELAY RELAY
▲ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONECTS 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!

_ #			WIRE		
BK/		BLACK	WIRE WITH	BLUE	MARKER
	COLC		MANNEN		
ВК	BLACK	OR	ORANGE	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 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

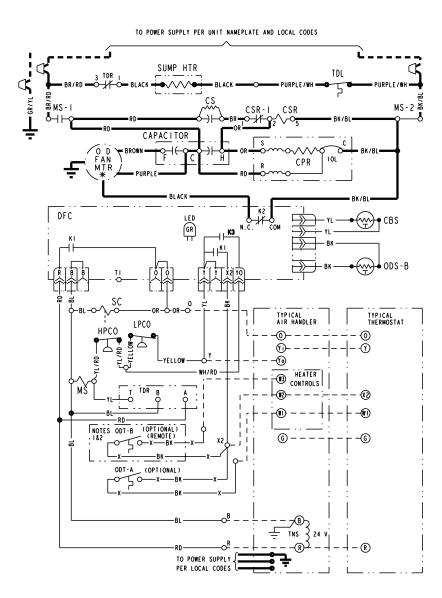
POUR INSTALLATIONS CANADIENNES
<u>CAUTION</u> : NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING I50V-TO-GROUND.
SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX
INSTALLATIONS DE PLUS DE 150 V A
LA TERRE.

American Standard CONDITIONING

Schematic Diagrams

(SEE LEGEND)

4A6H5036



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	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.	TS	HEATING-COOLING THERMOSTAT
10L	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT
		TDR	TIME DELAY RELAY

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

\sim	COLOR	OF	WIRE	

BŔ	/BL BL	ACK	WIRE WITH	BLUE	MARKER
	COLOR	OF	MARKER		
ВК	BLACK	OR	ORANGE	ΥL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WН	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 150V-TO-GROUND.
SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX
INSTALLATIONS DE PLUS DE 150 V A
LA TERRE

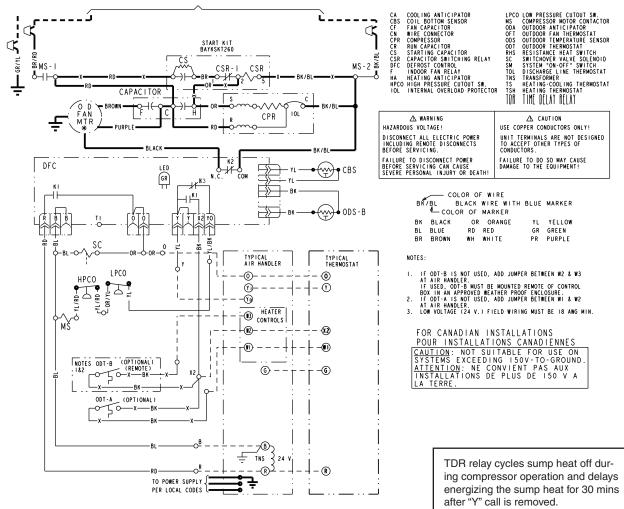


Schematic Diagrams

(SEE LEGEND)

4A6H5042

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES

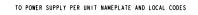


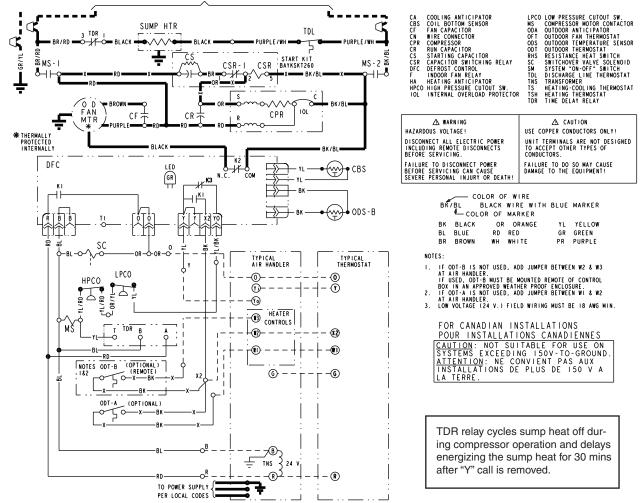
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American Standard CONDITIONING

Schematic Diagrams

4TWX5049E





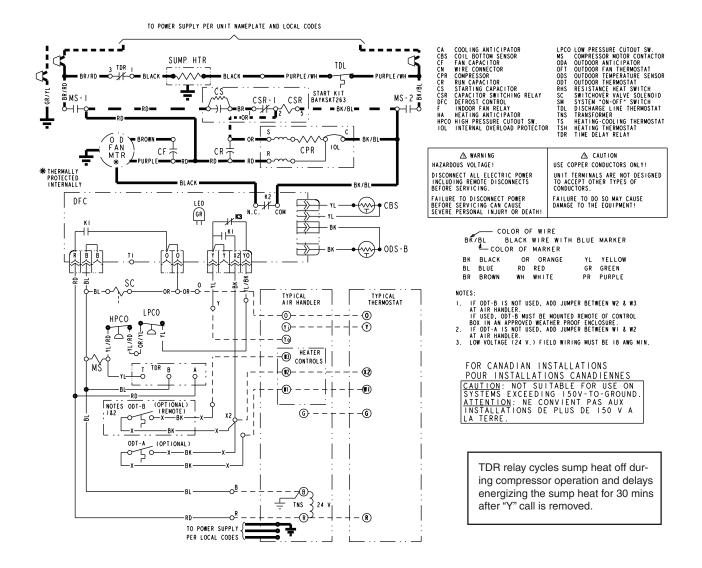
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Schematic Diagrams

(SEE LEGEND)

4TWR5061E

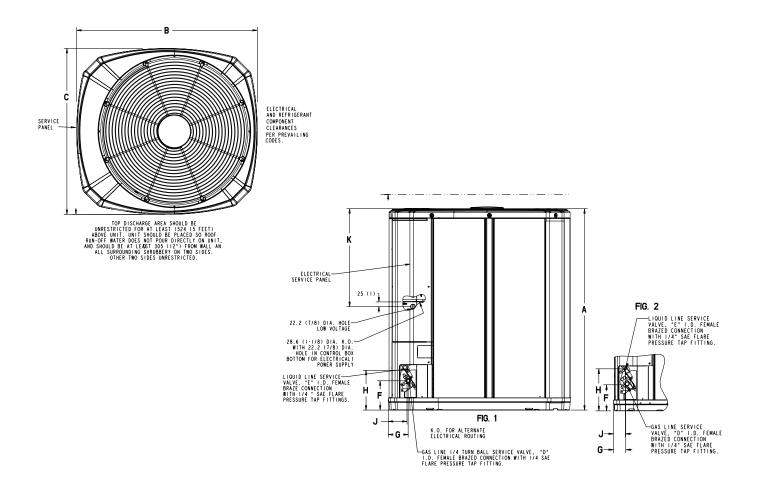


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Dimensions

4A6H5 Outline Drawing

Note: All dimensions are in MM (Inches).



MODELS	BASE	А	в	с	D	E	F	G	н	J	к
4A6H5018G	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)
4A6H5024G	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)
4A6H5030G	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)
4A6H5036G	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)
4A6H5042G	4	943 (37 1/8)	946 (37-1/4)	870 (34-1/4)	3/4	3/8	143 (5-5/8)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4A6H5049E	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)
4A6H5061E	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)

From Dwg. D152862

Mechanical Specification Options

General

The 4A6H5 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 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. A factory installed liquid line drier is standard.

Compressor

The DURATION™ 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 changeover). Sub-base to match thermostat and locking thermostat cover.

07/12







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