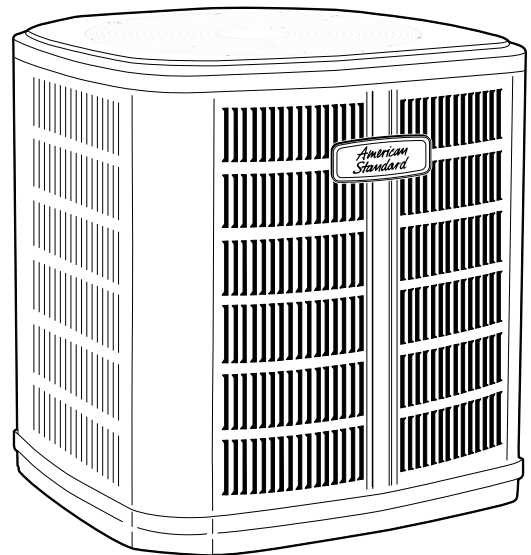


Product Data

Split System Cooling

4A7A6018J1000A
4A7A6024J1000A
4A7A6030J1000A
4A7A6036J1000A
4A7A6042J1000A
4A7A6048J1000A
4A7A6049J1000A
4A7A6060J1000A
4A7A6061J1000A



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

Product Specifications

Model No. ^(a)	4A7A6018J1000A	4A7A6024J1000A	4A7A6030J1000A
POWER CONNS. — V/PH/HZ ^(b)	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	12	14	17
BR. CIR. PROT. RTG. — MAX. (AMPS)	20	25	25
COMPRESSOR	DURATION™- SCROLL	DURATION™- SCROLL	DURATION™- SCROLL
RL AMPS — LR AMPS	9 — 47.5	10.9 — 62.9	12.8 — 67.8
Outdoor Fan FL AMPS	0.64	0.64	0.64
Fan HP	1/8	1/8	1/8
Fan Dia (inches)	23.02 — 1	23.02	23.02
Coil	SPINE FIN™	SPINE FIN™	SPINE FIN™
Refrigerant R-410A	4 LBS., 15 OZ	5LBS., 3 OZ	6 LBS., 7 OZ
LINE SIZE — IN. O.D. GAS ^(c)	3/4	3/4	3/4
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8
Charge Spec. Subcooling	8°F	8°F	8°F
Dimensions H x W X D Crated (IN.)	34 x 30.1 x 33	34 x 30.1 x 33	42 x 30.1 x 33
Weight — Shipping (lbs.)	189	190	220
Weight — Net (lbs.)	161	162	184
Optional Accessories:			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mount Kit	BAYECMT023	BAYECMT023	BAYECMT023
Start Kit	BAYKSKT263	BAYKSKT263	BAYKSKT263
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001
Low Ambient Kit	BAYLOAM103	BAYLOAM103	BAYLOAM103
Refrigerant Lineset ^(d)	TAYREFLN7*	TAYREFLN7*	TAYREFLN7*
Service Valve Panel Cover	AAYSVPANL0032AA	AAYSVPANL0032AA	AAYSVPANL0044AA

^(a) Certified in accordance with the Unitary Air-conditioner equipment certification program which is based on AHRI standard 210/240.

^(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

^(c) 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)..

^(d) * = 15, 20, 25, 30, 40 and 50 foot lineset available.

Product Specifications

Model No. ^(a)	4A7A6036J1000A	4A7A6042J1000A	4A7A6048J1000A
POWER CONNS. — V/PH/HZ ^(b)	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	18	21	24
BR. CIR. PROT. RTG. — MAX. (AMPS)	30	35	40
COMPRESSOR	DURATION™- SCROLL	DURATION™- SCROLL	DURATION™- SCROLL
RL AMPS — LR AMPS	13.6 — 79	16.7 — 109	18.5 — 124
Outdoor Fan FL AMPS	0.64	0.64	1.05
Fan HP	1/8	1/8	1/5
Fan Dia (inches)	24	27.5	27.5
Coil	SPINE FIN™	SPINE FIN™	SPINE FIN™
Refrigerant R-410A	7 LBS., 11 OZ	8 LBS., 10 OZ	8 LBS., 10 OZ
LINE SIZE — IN. O.D. GAS ^(c)	7/8	7/8	7/8
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8
Charge Spec. Subcooling	8°F	8°F	8°F
Dimensions H x W X D Crated (IN.)	42 x 35.1 x 38.7	50.4 x 35.1 x 38.7	50.4 x 35.1 x 38.7
Weight — Shipping (lbs.)	246	302	306
Weight — Net (lbs.)	212	252	256
Optional Accessories:			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mount Kit	BAYECMT004	BAYECMT004	BAYECMT004
Start Kit	BAYKSKT263	BAYKSKT263	BAYKSKT263
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001
Low Ambient Kit	BAYLOAM103	BAYLOAM103	BAYLOAM103
Refrigerant Lineset ^(d)	TAYREFLN3*	TAYREFLN3*	TAYREFLN3*
Service Valve Panel Cover	AAYSVPANL0044AA	AAYSVPANL0046AA	AAYSVPANL0046AA

(a) Certified in accordance with the Unitary Air-conditioner equipment certification program which is based on AHRI standard 210/240.

(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

(c) 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)..

(d) * = 15, 20, 25, 30, 40 and 50 foot lineset available.

Product Specifications

Model No. ^(a)	4A7A6049J1000A	4A7A6060J1000A	4A7A6061J1000A
POWER CONNS. — V/PH/HZ ^(b)	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	26	32	32
BR. CIR. PROT. RTG. — MAX. (AMPS)	40	50	50
COMPRESSOR	DURATION™- SCROLL	DURATION™- SCROLL	DURATION™- SCROLL
RL AMPS — LR AMPS	18.5 — 124	23.7 — 152.5	23.7 — 152.5
Outdoor Fan FL AMPS	2.80	1.05	1.05
Fan HP	1/3	1/5	1/5
Fan Dia (inches)	27.5	27.5	27.6
Coil	SPINE FIN™	SPINE FIN™	SPINE FIN™
Refrigerant R-410A	10 LBS., 3 OZ	9 LBS., 13 OZ	10 LBS., 15 OZ
LINE SIZE — IN. O.D. GAS ^(c)	7/8	1-1/8	1-1/8
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8
Charge Spec. Subcooling	10°F	10°F	10°F
Dimensions H x W X D Crated (IN.)	50.4 x 35.1 x 38.7	50.4 x 35.1 x 38.7	50.4 x 35.1 x 38.7
Weight — Shipping (lbs.)	322	327	327
Weight — Net (lbs.)	272	277	277
Optional Accessories:			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mount Kit	BAYECMT004	BAYECMT004	BAYECMT004
Start Kit	BAYKSKT263	BAYKSKT263	BAYKSKT263
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001
Low Ambient Kit	BAYLOAM103	BAYLOAM103	BAYLOAM103
Refrigerant Lineset ^(d)	TAYREFLN3*	TAYREFLN3*	TAYREFLN3*
Service Valve Panel Cover	AAYSVPANL0046AA	AAYSVPANL0046AA	AAYSVPANL0046AA

(a) Certified in accordance with the Unitary Air-conditioner equipment certification program which is based on AHRI standard 210/240.

(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

(c) 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)..

(d) * = 15, 20, 25, 30, 40 and 50 foot lineset available.

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
4A7A6018J	73	79	69	67	70	70	64	59	53
4A7A6024J	73	79	69	67	70	70	64	59	53
4A7A6030J	73	79	69	67	70	70	64	59	53
4A7A6036J	71	78	72	69	68	66	61	58	53
4A7A6042J	72	81	75	71	70	68	63	58	53
4A7A6048J	72	81	75	71	70	68	63	58	53
4A7A6049J	72	81	75	71	70	68	63	58	53
4A7A6060J	72	81	75	71	70	68	63	58	53
4A7A6061J	74	68	56	63	73	69	64	59	51

Note: Rated in accordance with AHRI Standard 270-2008

*For Reference Only

Accessory Description and Usage

Anti-Short Cycle Timer — Solid state timing device that prevents compressor recycling until five (5) minutes have elapsed after satisfying call or power interruptions. Use in area with questionable power delivery, commercial applications, long lineset, etc.

Evaporation 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 — Five (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.

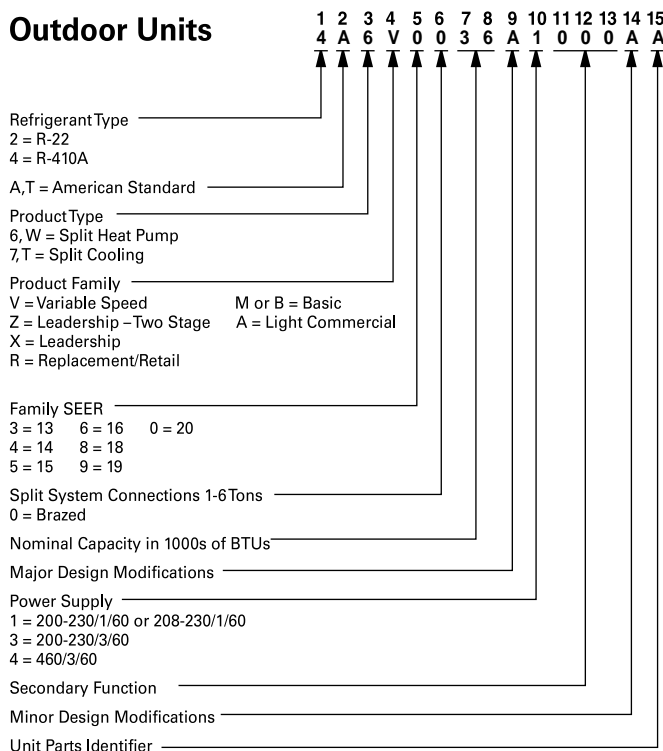
AHRI Standard Capacity Rating Conditions

AHRI Standard 210/240 Rating Conditions

1. Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
2. High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
3. Low Temperature Heating 17°F DB air entering indoor coil.
4. 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 operations.) Standard Noise Rating number is at 95°F outdoor air.

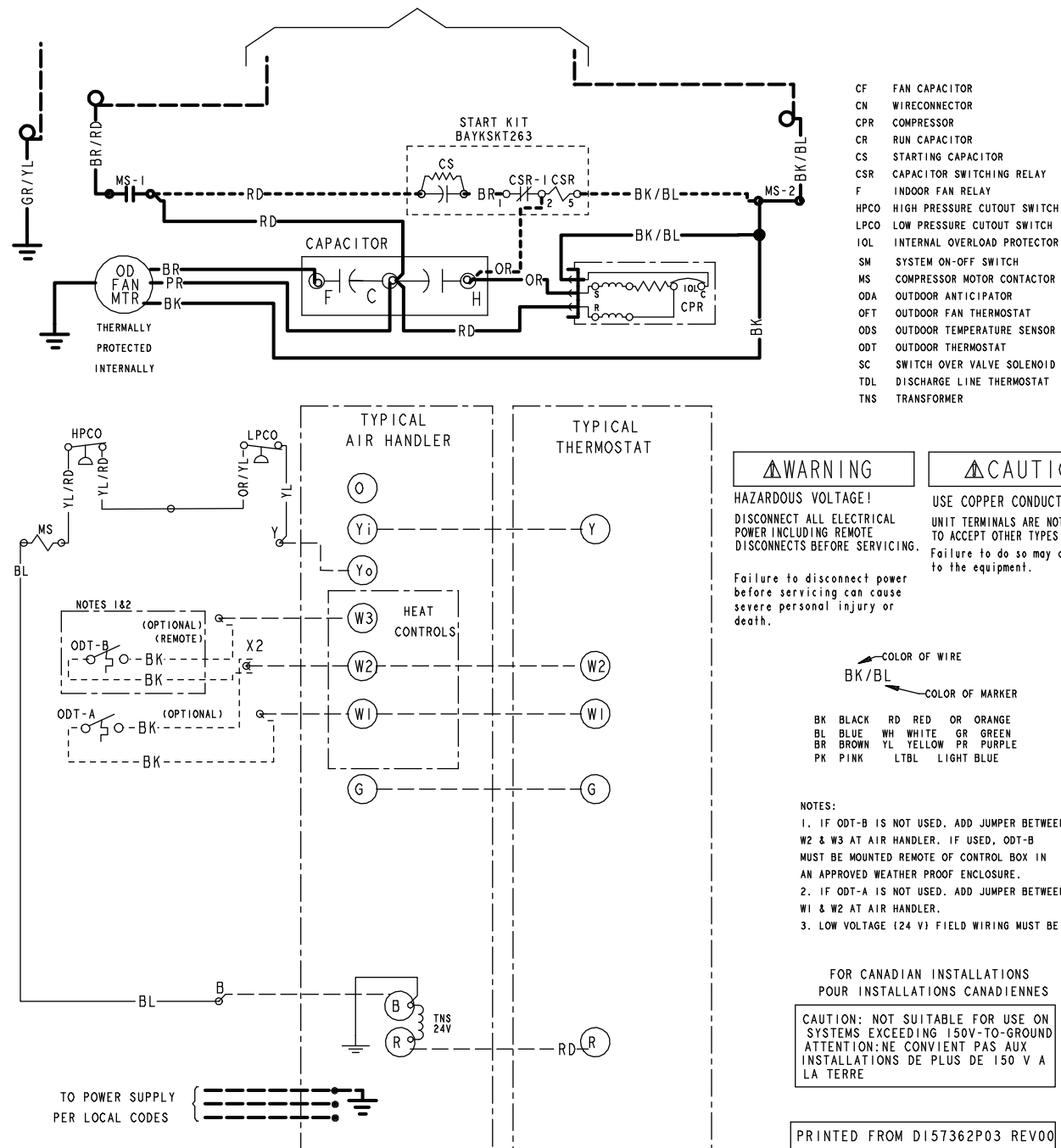
Model Nomenclature



Schematic Diagrams

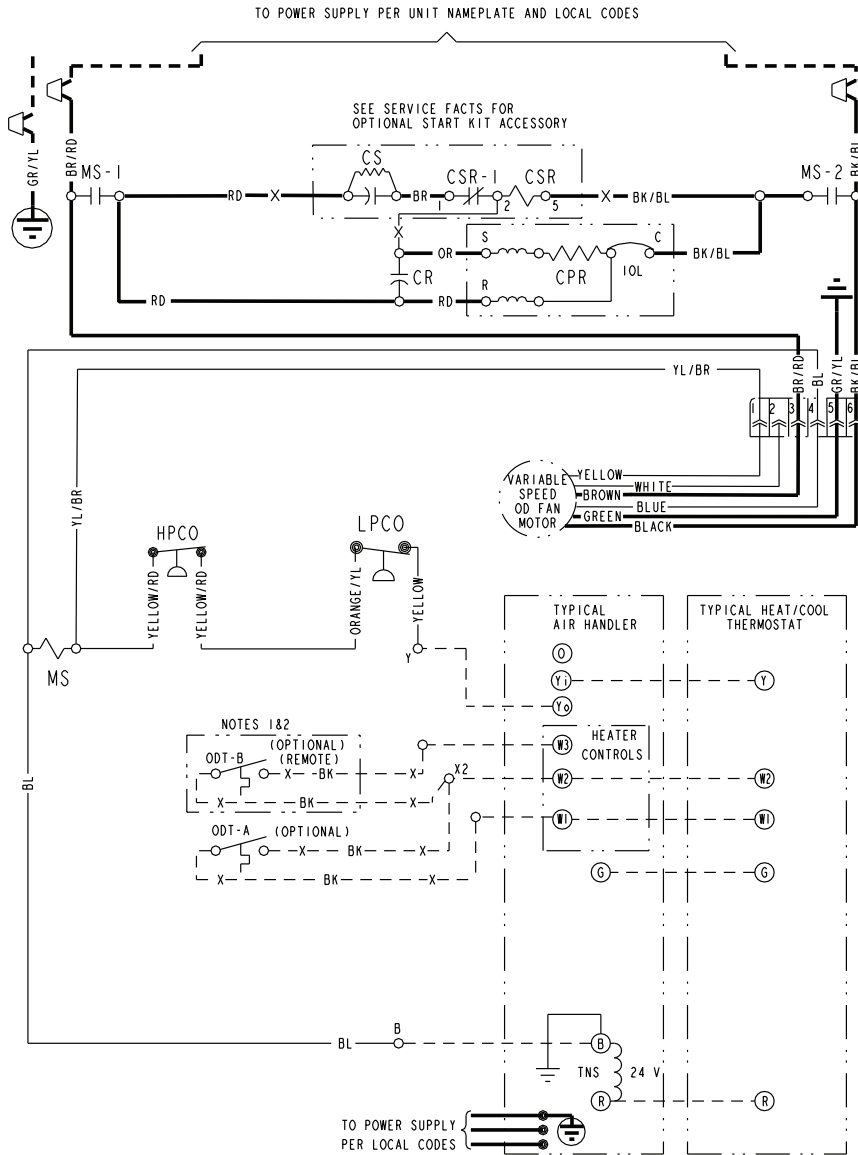
Figure 1. 018 – 048 Models

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



Schematic Diagrams

Figure 2. 049 & 061 Models



CA COOLING ANTICIPATOR
CBS COIL BOTTOM SENSOR
CF FAN CAPACITOR
CW WIRE CONNECTOR
CPR COMPRESSOR
CR RUN CAPACITOR
CS STARTING CAPACITOR
CSR CAPACITOR SWITCHING RELAY
CSR DEFROST CONTROL
DFC INDOOR FAN RELAY
HA HEATING ANTICIPATOR
HPCO HIGH PRESSURE CUTOFF SW.
IOL INTERNAL OVERLOAD PROTECTOR
ACR A/C RECTIFIER
LPCO LOW PRESSURE CUTOFF SW.
MS COMPRESSOR MOTOR CONTACTOR
ODA OUTDOOR ANTICIPATOR
OFT OUTDOOR FAN THERMOSTAT
ODS OUTDOOR TEMPERATURE SENSOR
ODT OUTDOOR THERMOSTAT
RHS RESISTANCE HEAT SWITCH
SC SWITCHOVER VALVE SOLENOID
SM SYSTEM "ON-OFF" SWITCH
TDL DISCHARGE LINE THERMOSTAT
TNS TRANSFORMER
TS HEATING-COOLING THERMOSTAT
TSH HEATING THERMOSTAT
R OFT SHUNT RESISTOR

⚠ 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
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

- 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.

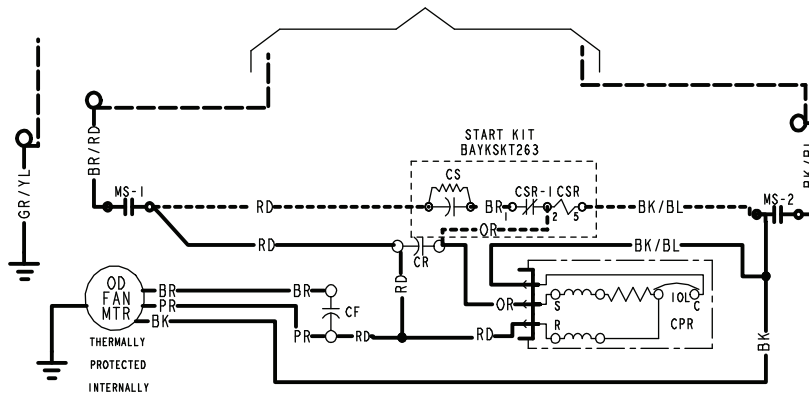
FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES
**CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE.**

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Schematic Diagrams

Figure 3. 060 Model

TO POWER SUPPLY PER UNIT NAMEPLATE AND LOCAL CODES



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
LPCO LOW PRESSURE CUTOFF SWITCH
IOL INTERNAL OVERLOAD PROTECTOR
SN SYSTEM ON-OFF SWITCH
MS COMPRESSOR MOTOR CONTACTOR
ODA OUTDOOR ANTICIPATOR
OFT OUTDOOR FAN THERMOSTAT
ODS OUTDOOR TEMPERATURE SENSOR
ODT OUTDOOR THERMOSTAT
SC SWITCH OVER VALVE SOLENOID
TDL DISCHARGE LINE THERMOSTAT
TNS TRANSFORMER

COLOR OF WIRE

BK/BL COLOR OF MARKER

BK BLACK RD RED OR ORANGE
BL BLUE WH WHITE GR GREEN
BR BROWN YL YELLOW PR PURPLE
PK PINK

WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRICAL 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.

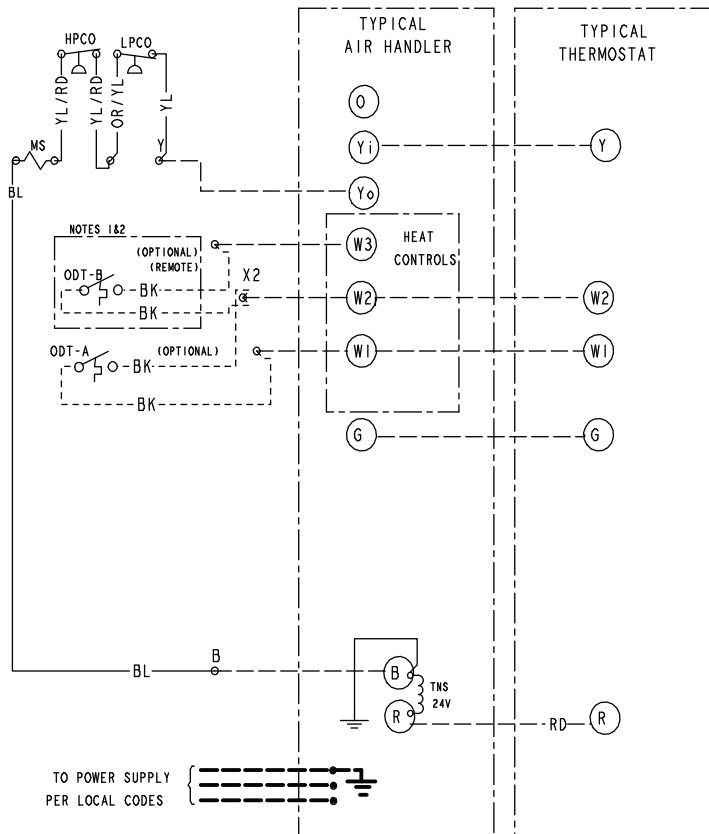
Failure to do so may cause damage to the equipment.

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.

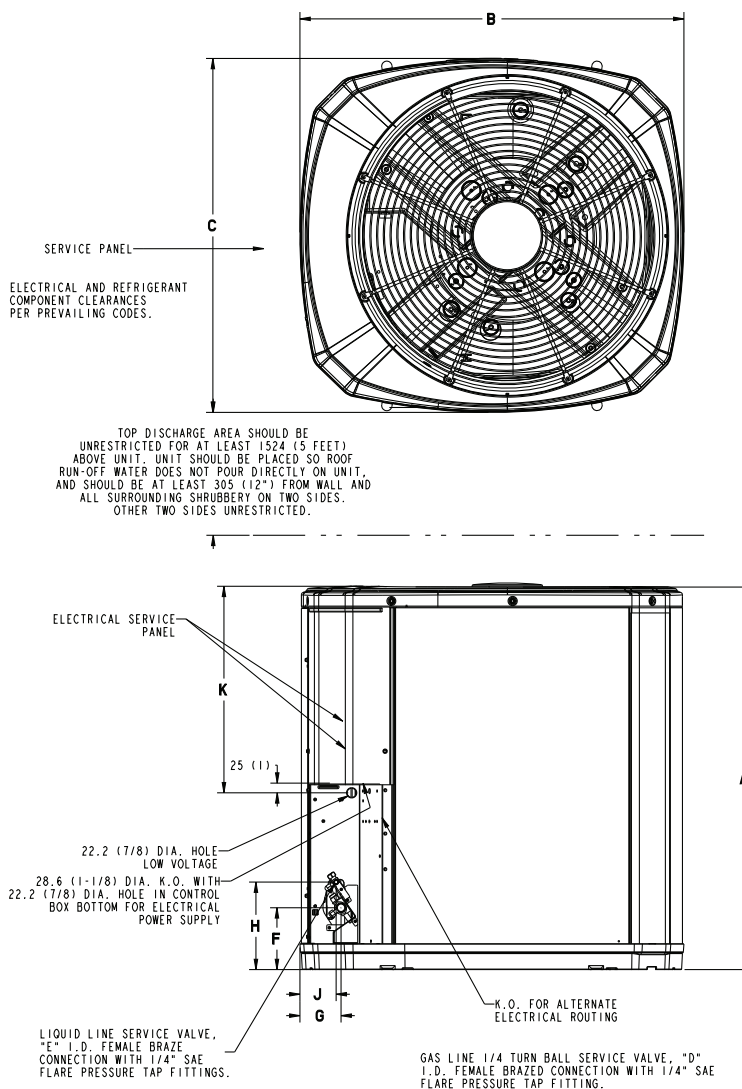
FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

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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Outline Drawing



Model	Base	A	B	C	D	E	F	G	H	J	K
4A7A6018J	3	730 (28-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	3/8	127 (5)	76 (3)	197 (7-3/4)	60 (2-3/8)	508 (20)
4A7A6024J	3	730 (28-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	3/8	127 (5)	76 (3)	197 (7-3/4)	60 (2-3/8)	508 (20)
4A7A6030J	3	933 (36-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	3/8	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	508 (20)
4A7A6036J	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)
4A7A6042J	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)	813 (32)
4A7A6048J	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)	813 (32)
4A7A6049J	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)	813 (32)
4A7A6060J	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)	813 (32)
4A7A6061J	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)	813 (32)

Mechanical Specification Options

General

The Outdoor Units are 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 supplied liquid line drier is standard. Some models may require field installation.

Compressor

The compressor features internal over temperature, 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 system has a cooling capacity 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.

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

Evaporator Defrost Control — See Low Ambient Cooling.

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Supersedes (New)

