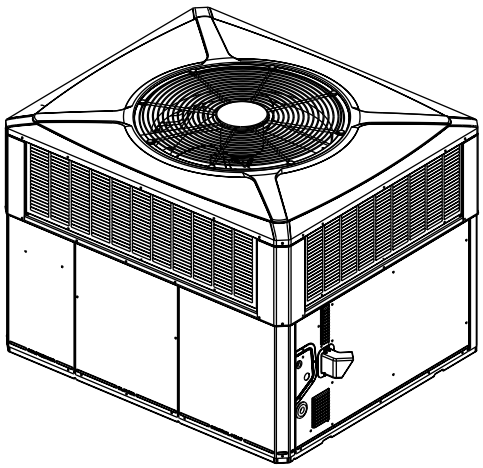
Product Data

Single Packaged Gas/Electric Choice, Convertible, 2 - 5 Ton, R-454B

5YCC4024A1060A
5YCC4030A1070A
5YCC4036A1070A
5YCC4036A1090A
5YCC4042A1060A
5YCC4042A1090A
5YCC4048A1070A
5YCC4048A1090A
5YCC4060A1090A
5YCC4060A1115A
5YCC4036A3070A
5YCC4036A3090A
5YCC4048A3070A
5YCC4048A3090A
5YCC4060A3115A



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

December 2024

22-2015-1A-EN

SAFETY SECTION

Important: *This document contains a wiring diagram, a parts list, and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.*

⚠ WARNING

HAZARDOUS GASES!

Exposure to fuel substances or by-products of incomplete fuel combustion is believed by the state of California to cause cancer, birth defects, or other reproductive harm.
This warning complies with state of California law, Proposition 65.

⚠ WARNING

HAZARDOUS VOLTAGE!

Failure to follow this Warning could result in property damage, severe personal injury, or death.
Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized.

⚠ WARNING

SAFETY AND ELECTRICAL HAZARD!

Failure to follow this Warning could result in property damage, severe personal injury, or death.
These servicing instructions are for use by qualified personnel only. To reduce the risk of electrical shock, do not perform any servicing other than that contained in these operating instructions unless you are qualified to do so.

⚠ CAUTION

GROUNDING REQUIRED!

Failure to inspect or use proper service tools may result in equipment damage or personal injury.
Reconnect all grounding devices. All parts of this product that are capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

⚠ CAUTION

SHARP EDGE HAZARD!

Failure to follow this Caution could result in property damage or personal injury.
Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

⚠ WARNING

UNIT CONTAINS R-454B REFRIGERANT!

Proper service equipment is required. Failure to use proper service tools may result in equipment damage or personal injury.

⚠ WARNING

SERVICE!

USE ONLY R-454B REFRIGERANT AND APPROVED COMPRESSOR OIL.

⚠ WARNING

LEAK DETECTION SYSTEM!

LEAK DETECTION SYSTEM installed. Unit must be powered except for service.

⚠ WARNING

SAFETY HAZARD!

Children should be supervised to ensure that they do not play with the appliance.

⚠ WARNING

SAFETY HAZARD!

This appliance is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

⚠ WARNING

SAFETY HAZARD!

Operating the unit without the access panels properly installed may result in severe personal injury or death.

Do not operate the unit without the evaporator fan access panel or evaporator coil access panel in place.

⚠ WARNING

RISK OF FIRE!

Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

Dispose of refrigerant in accordance with federal and/or local regulations.

⚠ WARNING

WARNING!

This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Important: *Wear appropriate gloves, arm sleeve protectors and eye protection when servicing or maintaining this equipment.*

Important: *Air filters and media wheels or plates shall meet the test requirements in UL 900.*

Table of Contents

Single Packaged Convertible Gas/Electric Systems

Trane offers a complete family of packaged gas/electric heating and cooling systems, designed to provide the unbeatable combination of energy efficiency and lower operating costs. In warm weather, the package gas/electric system functions as an all-electric, high efficiency air conditioner. In cold weather, it operates as a natural gas or propane gas furnace, offering the best of both energy worlds.

Because cooling and heating functions are all contained in a single cabinet, a single packaged convertible gas/electric system is easy to install and service.

It can be flush mounted beside your home at ground level or placed on the roof for horizontal or downflow installation. When connected to an optional American Standard thermostat control, and air distribution ducts, you have a highly efficient, total home comfort system.

Single Packaged Convertible Gas/Electric Systems are unmatched in quality and reliability.

All major components on these products, including the compressor, have been designed and manufactured for maximum service. Every compressor is designed and manufactured to exacting specifications. Each design is life tested in extreme environments to ensure reliable and long lasting operation in normal applications. Each compressor has internal motor protection for added reliability.

Single Packaged Convertible Gas/Electric Systems provide better performance.

Our single packaged cooling/heating units offer cooling/heating efficiencies that are unmatched in the industry and provide you with a product far superior in performance than the competition.

Optional Equipment Listing

* = T, W, or Y	
Hinged Filter Access Door (5*CC4024–036)	BAYCCDOR1A [ ]
Hinged Filter Access Door (5*CC4042–060)	BAYCCDOR2A [ ]
Roof Curb Full Perimeter (5*CC024–036)	BAYCURB050A [ ]
Roof Curb Full Perimeter (5*CC042–060)	BAYCURB051A [ ]
Roof Curb Utility Extension Kit (BAYCURB050A)	BAYUTIL101B [ ]
Roof Curb Utility Extension Kit (BAYCURB051A)	BAYUTIL101B [ ]
0–25% Manual Fresh Air Damper (5*CC4024–36)[a]	BAYOSAH001A [ ]
0–25% Manual Fresh Air Damper (5*CC4042–60)	BAYOSAH002A [ ]
Motorized Fresh Air Damper (5*CC4024–036)	BAYDMPR101A [ ]
Motorized Fresh Air Damper (5*CC4042–060)	BAYDMPR102A [ ]
0–100% Mod Economizer w/Baro. Relief (5*CC4024–036)[b] [c]	BAYECON105A [ ]
0–100% Mod Economizer w/Baro. Relief (5*CC4042–060)	BAYECON106A [ ]
0–100% Horizontal Economizer (5*CC4024–36)	BAYECON205A [ ]
0–100% Horizontal Economizer (5*CC4042–60)	BAYECON206A [ ]
Enthalpy Control for Economizer (ALL-BAYECON)	BAYEENTH001A [ ]
Remote Potentiometer (ALL-BAYECON)	BAYSTAT023 [ ]
1”—2” Filter Frame (5*CC4024–036) (18 x 25 filter not included)	BAYFLTR101C [ ]
1”—2” Filter Frame (5*CC4042–060) (two 18 x 20 filters not included)	BAYFLTR201C [ ]
Head Pressure Control (Low Ambient Cool) (208/240v) Kit	BAYLOAM105A [ ]
Quick Start Kit (5WCC4, 5TCC4)	BAYQSTK300A [ ]
Quick Start Kit (5YCC4)	BAYQSTK301C [ ]
Crankcase Heater Scroll (5*CC4024–036) (230v)	BAYCCHT103A [ ]
Crankcase Heater Scroll (5*CC4042–060) (230v)	BAYCCHT102A [ ]
Crankcase Heater Scroll (5*CC4024–036) (230v)	BAYCCHT301A [ ]
Crankcase Heater Scroll (5*CC4042–060) (230v)	BAYCCHT302A [ ]
Adapter Curb (5*CC4024–36) to BAYCURB030, 38	BAYADAP050A [ ]
Adapter Curb (5*CC4024–36) to BAYCURB033	BAYADAP051A [ ]
Adapter Curb (5*CC4042–60) to BAYCURB030, 38	BAYADAP052A [ ]
Adapter Curb (5*CC4042–60) to BAYCURB033	BAYADAP053A [ ]
Adapter Curb (5*CC4042–60) to BAYCURB034	BAYADAP054A [ ]
12” Duct Shroud Covers Horizontal (5*CC4024–060)	BAYCOVR112A [ ]
18” Duct Shroud Covers Horizontal (5*CC4024–060)	BAYCOVR118A [ ]
Extreme Condition Mounting Kit — All BAYCURB & BAYADAP	BAYEXMK001A [ ]
Extreme Condition Mounting Kit — All BAYUTIL	BAYEXMK002B [ ]
Extreme Condition Mounting Kit — All Slab Mounts	BAYEXMK003B [ ]
Lifting Lug Kit	BAYLIFT002B [ ]
LP Conversion Kit (All 115K Models)	BAYLPKT100B [ ]
LP Conversion Kit (All 60K and 90K Models)	BAYLPKT101B [ ]
LP Conversion Kit (All 70K Models)	BAYLPKT102B [ ]

SUPPLEMENTARY HEATERS (1 PHASE) * = T or W Only (Does not apply to Gas/Electric dual fuel models)	
3.76/5.0 KW Heater (208/240V 1 PH) (5*CC4024–060)	BAYHTRG105G [ ]
6.0/8.0 KW Heater (208/240V 1 PH) (5*CC4024–060)	BAYHTRG108G [ ]
7.50/10.0 KW Heater (208/240V 1 PH) (5*CC4024–060)	BAYHTRG110G [ ]
11.27/15.0 KW Heater (208/240V 1 PH) (5*CC4030–060)	BAYHTRG115G [ ]
15.0/20.0 KW Heater (208/240V 1 PH) (5*CC4048–060)	BAYHTRG120G [ ]
18.78/25.0 KW Heater (208/240V 1 PH) (5*CC40060)	BAYHTRG125G [ ]
Single Power Entry Kit [d]	BAYSPEK060G [ ]
Single Power Entry Kit	BAYSPEK062G [ ]
Single Power Entry Kit	BAYSPEK063G [ ]

[a] Must use internal filter frame when economizer or fresh air kit is used.
[b] Dry bulb control standard with economizer.
[c] Downflow only.
[d] Must be selected per unit and heater model.

Product Specifications

MODEL	5YCC4024A 1060A	5YCC4030A 1070A	5YCC4036A 1070A	5YCC4036A 1090A	5YCC4042A 1060A	5YCC4042A 1090A
RATED Volts/PH/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
PERFORMANCE COOLING BTUH[a]	24000	28400	36000	36000	40000	40000
Indoor Airflow (CFM)	823	923	1192	1192	1499	1499
Power Input (KW)	**LOCATED ON UNIT NAMEPLATE**					
EER2/SEER2 (BTU/Watt-Hr.)	11.0/14.3	11.0/13.8	11.0/13.8	11.0/13.8	11.0/13.8	11.0/13.8
Sound Power Rating [dB(A)] [b]	66.6	70.0	71.4	71.4	74.6	74.6
PERFORMANCE HEATING[c]						
Input BTUH-1st Stage (Natural Gas)[d]	**LOCATED ON UNIT NAMEPLATE**					
AFUE	81	81	81	81	81	81
Temp. Rise — Min/Max (°F)	30 / 60	30 / 60	30 / 60	35 / 65	30 / 60	35 / 65
Orifice Qty/Drill Sz. (Natural Gas)	2 / #37	2 / #33	2 / #33	3 / #37	2 / #37	3 / #37
POWER CONN. — V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
Min. Brch. Cir. Ampacity[e]	**LOCATED ON UNIT NAMEPLATE**					
Fuse Size — Max. (amps)	**LOCATED ON UNIT NAMEPLATE**					
Fuse Size — Recmd. (amps)	**LOCATED ON UNIT NAMEPLATE**					
COMPRESSOR	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
VOLTS/PH/HZ	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
R.L. Amps — L.R. Amps	**LOCATED ON UNIT NAMEPLATE**					
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2 / 24	2 / 24	2 / 24	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	13.32	13.32	15.49	15.49	15.63	15.63
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	MCHE	MCHE	MCHE	MCHE	MCHE
Rows/F.P.I	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16
Face Area (sq. ft.)	2.7	2.7	2.7	2.7	3.9	3.9
Tube Size Width (in.)	0.81	0.81	1.00	1.00	0.81	0.81
Refrigeration Control	EXPANSION VALVE					
Drain Conn. Size (in.)	3/4 FEMALE NPT					
OUTDOOR FAN — TYPE	PROPELLER					
DIA. (IN.)	23.4	23.4	23.4	23.4	28.3	28.3
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g.[f]	2350	2800	3080	3080	3400	3400
Motor— HP/R.P.M	1/12 / 810	1/6 / 825	1/5 / 825	1/5 / 825	1/4 / 825	1/4 / 825
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps/L.R Amps	**LOCATED ON UNIT NAMEPLATE**					
INDOOR FAN — TYPE	CONSTANT TORQUE ECM					
Dia. x Width (in.)	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62
Drive/No. Speeds	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4
CFM @ 0.0 in. w.g.[g]	**SEE FAN PERF TABLE**					
Motor— HP/R.P.M.	1/3 / 1050	1/2 / 1050	3/4 / 1050	3/4 / 1050	3/4 / 1050	3/4 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	2.7	3.9	6.0	6.0	6.0	6.0
COMBUSTION FAN — TYPE	CENTRIFUGAL					
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor— HP/R.P.M.	1/34 / 3345	1/34 / 3290	1/34 / 3290	1/34 / 3075	1/34 / 3345	1/34 / 3075
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60

MODEL	5YCC4024A 1060A	5YCC4030A 1070A	5YCC4036A 1070A	5YCC4036A 1090A	5YCC4042A 1060A	5YCC4042A 1090A
FLA	LOCATED ON UNIT NAMEPLATE					
FILTER/ FURNISHED	NO					
Type Recommended	THROWAWAY					
Recmd. Face Area (sq. ft)(h)	4.0	4.0	4.0	4.0	5.3	5.3
REFRIGERANT	R-454B					
Charge (lbs.)	LOCATED ON UNIT NAMEPLATE					
CHARGING SPECIFICATIONS						
Subcooling	12° F	10° F	12° F	12° F	12° F	12° F

(a) Rated in accordance with AHRI Standard 210/240. AHRI standard rating conditions are: 80 D.B.67 W.B. entering air to indoor coil. 95 D. B. entering air to outdoor coil.
(b) Sound Power values are not adjusted for AHRI 270–95 tonal corrections.
(c) Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.
(d) Convertible to LPG.
(e) This value is approximate. For more precise value, see Unit Nameplate.
(f) Standard Air — Dry Coil — Outdoor.
(g) Based on U.S. Government Standard Tests.
(h) Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

MODEL	5YCC4048A 1070A	5YCC4048A 1090A	5YCC4060A 1090A	5YCC4060A 1115A
RATED Volts/PH/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
PERFORMANCE COOLING BTUH(a)	47500	47500	58000	58000
Indoor Airflow (CFM)	1673	1673	1700	1700
Power Input (KW)	LOCATED ON UNIT NAMEPLATE			
EER2/SEER2 (BTU/Watt-Hr.)	11.0/13.4	11.0/13.4	11.0/13.4	11.0/13.4
Sound Power Rating [dB(A)](b)	72.5	72.5	76.0	76.0
PERFORMANCE HEATING(c)				
Input BTUH-1st Stage (Natural Gas)(d)	LOCATED ON UNIT NAMEPLATE			
AFUE	81	81	81	81
Temp. Rise — Min/Max (°F)	30 / 60	35 / 65	30 / 60	30 / 60
Orifice Qty/Drill Sz. (Natural Gas)	2 / #33	3 / #37	3 / #37	3 / #32
POWER CONN. — V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
Min. Brch. Cir. Ampacity(e)	LOCATED ON UNIT NAMEPLATE			
Fuse Size — Max. (amps)	LOCATED ON UNIT NAMEPLATE			
Fuse Size — Recmd. (amps)	LOCATED ON UNIT NAMEPLATE			
COMPRESSOR	SCROLL	SCROLL	SCROLL	SCROLL
VOLTS/PH/HZ	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
R.L. Amps — L.R. Amps	LOCATED ON UNIT NAMEPLATE			
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2 / 24	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	20.54	20.54	22.99	22.99
Tube Size (in.)	3/8	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	MCHE	RTPF	RTPF
Rows/F.P.I	2 / 16	2 / 16	4 / 15	4 / 15
Face Area (sq. ft.)	3.9	3.9	5.0	5.0
Tube Size Width (in.)	0.81	0.81	0.375	0.375
Refrigeration Control	EXPANSION VALVE			
Drain Conn. Size (in.)	3/4 FEMALE NPT			
OUTDOOR FAN — TYPE	PROPELLER			
DIA. (IN.)	28.3	28.3	28.3	28.3
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g.(f)	3400	3400	4800	4800
Motor— HP/R.P.M	1/4 / 825	1/4 / 825	1/3 / 825	1/3 / 825

Product Specifications

MODEL	5YCC4048A 1070A	5YCC4048A 1090A	5YCC4060A 1090A	5YCC4060A 1115A
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps/L.R Amps	**LOCATED ON UNIT NAMEPLATE**			
INDOOR FAN — TYPE	CONSTANT TORQUE ECM			
Dia. x Width (in.)	10.62 X 10.62	10.62 X 10.62	11.87 X 10.62	11.87 X 10.62
Drive/No. Speeds	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4
CFM @ 0.0 in. w.g.(g)	**SEE FAN PERF TABLE**			
Motor— HP/R.P.M.	3/4 / 1050	3/4 / 1050	1 / 1050	1 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	6.0	6.0	7.4	7.4
COMBUSTION FAN — TYPE	CENTRIFUGAL			
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor— HP/R.P.M.	1/34 / 3290	1/34 / 3075	1/34 / 3075	1/34 / 3055
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60
FLA	**LOCATED ON UNIT NAMEPLATE**			
FILTER/ FURNISHED	NO			
Type Recommended	THROWAWAY			
Recmd. Face Area (sq. ft)(h)	5.3	5.3	5.3	5.3
REFRIGERANT	**R-454B**			
Charge (lbs.)	**LOCATED ON UNIT NAMEPLATE**			
CHARGING SPECIFICATIONS				
Subcooling	10° F	10° F	13° F	13° F

(a) Rated in accordance with AHRI Standard 210/240. AHRI standard rating conditions are: 80 D.B.67 W.B. entering air to indoor coil. 95 D. B. entering air to outdoor coil.
(b) Sound Power values are not adjusted for AHRI 270–95 tonal corrections.
(c) Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.
(d) Convertible to LPG.
(e) This value is approximate. For more precise value, see Unit Nameplate.
(f) Standard Air — Dry Coil — Outdoor.
(g) Based on U.S. Government Standard Tests.
(h) Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

MODEL	5YCC4036A 3070A	5YCC4036A 3090A	5YCC4048A 3070A	5YCC4048A 3090A	5YCC4060A 3115A
RATED Volts/PH/Hz	208–230/3/60	208–230/3/60	208–230/3/60	208–230/3/60	208–230/3/60
PERFORMANCE COOLING BTUH(a)	36000	36000	47500	47500	58000
Indoor Airflow (CFM)	1192	1192	1673	1673	1700
Power Input (KW)	**LOCATED ON UNIT NAMEPLATE**				
EER2/SEER2 (BTU/Watt-Hr.)	11.0/13.8	11.0/13.8	11.0/13.4	11.0/13.4	11.0/13.4
Sound Power Rating [dB(A)](b)	71.4	71.4	72.5	72.5	76.0
PERFORMANCE HEATING(c)					
Input BTUH-1st Stage (Natural Gas)(d)	**LOCATED ON UNIT NAMEPLATE**				
AFUE	81	81	81	81	81
Temp. Rise — Min/Max (°F)	30 / 60	35 / 65	30 / 60	35 / 65	30 / 60
Orifice Qty/Drill Sz. (Natural Gas)	2 / #33	3 / #37	2 / #33	3 / #37	3 / #32
POWER CONN. — V/Ph/Hz	208–230/3/60	208–230/3/60	208–230/3/60	208–230/3/60	208–230/3/60
Min. Brch. Cir. Ampacity(e)	**LOCATED ON UNIT NAMEPLATE**				
Fuse Size — Max. (amps)	**LOCATED ON UNIT NAMEPLATE**				
Fuse Size — Recmd. (amps)	**LOCATED ON UNIT NAMEPLATE**				
COMPRESSOR	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
VOLTS/PH/HZ	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
R.L. Amps — L.R. Amps	**LOCATED ON UNIT NAMEPLATE**				
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN

MODEL	5YCC4036A 3070A	5YCC4036A 3090A	5YCC4048A 3070A	5YCC4048A 3090A	5YCC4060A 3115A
Rows/F.P.I	2 / 24	2 / 24	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	15.49	15.49	20.54	20.54	22.99
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	MCHE	MCHE	MCHE	RTPF
Rows/F.P.I	2 / 16	2 / 16	2 / 16	2 / 16	4 / 15
Face Area (sq. ft.)	2.7	2.7	3.9	3.9	5.0
Tube Size Width (in.)	1.00	1.00	0.81	0.81	0.375
Refrigeration Control	EXPANSION VALVE				
Drain Conn. Size (in.)	3/4 FEMALE NPT				
OUTDOOR FAN — TYPE	PROPELLER				
DIA. (IN.)	23.4	23.4	28.3	28.3	28.3
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g.(f)	3080	3080	3400	3400	4800
Motor— HP/R.P.M	1/5 / 825	1/5 / 825	1/4 / 825	1/4 / 825	1/3 / 825
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps/L.R Amps	**LOCATED ON UNIT NAMEPLATE**				
INDOOR FAN — TYPE	CONSTANT TORQUE ECM				
Dia. x Width (in.)	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62	11.87 X 10.62
Drive/No. Speeds	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4	DIRECT / 4
CFM @ 0.0 in. w.g.(g)	**SEE FAN PERF TABLE**				
Motor— HP/R.P.M.	3/4 / 1050	3/4 / 1050	3/4 / 1050	3/4 / 1050	1 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	6.0	6.0	6.0	6.0	7.4
COMBUSTION FAN — TYPE	CENTRIFUGAL				
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor— HP/R.P.M.	1/34 / 3075	1/34 / 3075	1/34 / 3290	1/34 / 3290	1/34 / 3075
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
FLA	**LOCATED ON UNIT NAMEPLATE**				
FILTER/ FURNISHED	NO				
Type Recommended	THROWAWAY				
Recmd. Face Area (sq. ft)(h)	4.0	4.0	5.3	5.3	5.3
REFRIGERANT	**R-454B**				
Charge (lbs.)	**LOCATED ON UNIT NAMEPLATE**				
CHARGING SPECIFICATIONS					
Subcooling	12° F	12° F	10° F	10° F	13° F

(a) Rated in accordance with AHRI Standard 210/240. AHRI standard rating conditions are: 80 D.B.67 W.B. entering air to indoor coil. 95 D. B. entering air to outdoor coil.
(b) Sound Power values are not adjusted for AHRI 270–95 tonal corrections.
(c) Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.
(d) Convertible to LPG.
(e) This value is approximate. For more precise value, see Unit Nameplate.
(f) Standard Air — Dry Coil — Outdoor.
(g) Based on U.S. Government Standard Tests.
(h) Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

Indoor Fan Performance (230V)

Table 1. Airflow Tables

5YCC4024A1060A		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	-	900 (891)	846 (838)	794 (786)	729 (722)	-	-	-	-	-	-
	WATTS	-	114 (115)	121 (122)	128 (129)	138 (138)	-	-	-	-	-	-
Cooling - Med	CFM	-	-	-	890 (881)	836 (828)	777 (769)	707 (700)	-	-	-	-
	WATTS	-	-	-	158 (159)	167 (167)	175 (176)	185 (186)	-	-	-	-
Cooling - High	CFM	-	-	-	-	908 (899)	863 (854)	818 (810)	773 (765)	731 (724)	-	-
	WATTS	-	-	-	-	248 (249)	256 (258)	264 (266)	274 (276)	282 (284)	-	-
Heating - Low	CFM	1123 (1123)	1059 (1059)	994 (994)	943 (943)	889 (889)	-	-	-	-	-	-
	WATTS	143 (143)	152 (152)	160 (160)	167 (167)	175 (175)	-	-	-	-	-	-
Heating - High	CFM	-	-	1122 (1122)	1069 (1069)	1022 (1022)	974 (974)	922 (922)	871 (871)	809 (809)	-	-
	WATTS	-	-	213 (213)	221 (221)	229 (229)	238 (238)	245 (245)	253 (253)	261 (261)	-	-

Note: *Cooling airflow must not exceed 900 CFM due to condensate blowoff.*

5YCC4030A1070A		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1051 (1041)	994 (984)	939 (930)	889 (880)	840 (831)	-	-	-	-	-	-
	WATTS	126 (126)	134 (135)	142 (143)	150 (150)	158 (158)	-	-	-	-	-	-
Cooling - Med	CFM	-	-	1108 (1097)	1070 (1059)	1027 (1017)	975 (965)	920 (911)	875 (866)	-	-	-
	WATTS	-	-	239 (240)	247 (248)	256 (258)	267 (269)	274 (276)	282 (284)	-	-	-
Cooling - High	CFM	-	-	-	-	1099 (1088)	1059 (1048)	1017 (1007)	968 (959)	-	-	-
	WATTS	-	-	-	-	259 (260)	268 (270)	278 (279)	289 (290)	-	-	-
Heating - Low	CFM	1148 (1136)	1103 (1091)	1061 (1050)	1022 (1012)	982 (972)	932 (922)	-	-	-	-	-
	WATTS	199 (197)	208 (205)	216 (214)	224 (222)	233 (230)	243 (241)	-	-	-	-	-
Heating - High	CFM	-	-	-	1158 (1147)	1122 (1111)	1084 (1073)	1039 (1028)	988 (978)	-	-	-
	WATTS	-	-	-	301 (298)	310 (307)	320 (317)	331 (328)	343 (339)	-	-	-

Note: *Cooling airflow must not exceed 1125 CFM due to condensate blowoff.*

Indoor Fan Performance (230V)

5YCC4036A*(070)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	-	1272 (1259)	1243 (1231)	1214 (1202)	1186 (1174)	1154 (1142)	1116 (1105)	1072 (1061)	-	-	-
	WATTS	-	352 (354)	361 (363)	372 (374)	382 (384)	392 (394)	404 (406)	416 (418)	-	-	-
Cooling - Med[a]	CFM	-	-	-	-	1349 (1336)	1319 (1306)	1277 (1264)	1242 (1230)	1199 (1187)	1160 (1148)	1124 (1113)
	WATTS	-	-	-	-	489 (492)	500 (503)	511 (514)	523 (526)	537 (540)	548 (551)	558 (561)
Cooling - High	CFM	-	-	-	-	-	1326 (1299)	1296 (1270)	1263 (1238)	1225 (1201)	1183 (1159)	1150 (1127)
	WATTS	-	-	-	-	-	516 (519)	527 (530)	539 (542)	552 (555)	566 (569)	575 (578)
Heating - Low	CFM	1185 (1173)	1141 (1130)	1099 (1088)	1055 (1044)	1009 (999)	968 (958)	920 (911)	854 (846)	808 (800)	731 (724)	624 (618)
	WATTS	241 (238)	251 (248)	260 (258)	270 (267)	279 (277)	289 (286)	299 (296)	311 (308)	320 (316)	306 (303)	284 (282)
Heating - High	CFM	1386 (1373)	1354 (1340)	1311 (1298)	1276 (1263)	1238 (1225)	1198 (1186)	1164 (1153)	1069 (1058)	805 (797)	689 (682)	596 (590)
	WATTS	386 (382)	399 (395)	409 (405)	419 (415)	430 (425)	441 (437)	452 (448)	432 (428)	320 (317)	303 (300)	298 (295)

Note: *Cooling airflow must not exceed 1350 CFM due to condensate blowoff.*

5YCC4036A*(090)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1288 (-)	1254 (1238)	1225 (1207)	1193 (1176)	1158 (1143)	1117 (1091)	1070 (-)	-	-	-	-
	WATTS	340 (-)	348 (348)	357 (357)	366 (366)	375 (375)	385 (385)	395 (-)	-	-	-	-
Cooling - Med[a]	CFM	-	1326 (1320)	1300 (1294)	1271 (1263)	1241 (1234)	1201 (1196)	1107 (1102)	-	-	-	-
	WATTS	-	410 (410)	419 (419)	427 (427)	437 (437)	447 (447)	423 (423)	-	-	-	-
Cooling - High	CFM	-	-	-	-	1349 (1336)	1319 (1306)	1277 (1264)	1242 (1230)	1199 (1187)	1160 (1148)	1124 (1113)
	WATTS	-	-	-	-	489 (492)	500 (503)	511 (514)	523 (526)	537 (540)	548 (551)	558 (561)
Heating - Low	CFM	1292 (1285)	1259 (1252)	1230 (1222)	1199 (1186)	1163 (1148)	1124 (1111)	1071 (1060)	963 (954)	799 (781)	638 (-)	-
	WATTS	343 (343)	351 (351)	360 (360)	369 (369)	378 (378)	388 (388)	398 (398)	370 (370)	316 (316)	293 (-)	-
Heating - High	CFM	1367 (1355)	1341 (1326)	1310 (1295)	1282 (1267)	1250 (1235)	1212 (1183)	1075 (1056)	928 (913)	781 (-)	631 (-)	-
	WATTS	404 (404)	413 (413)	421 (421)	431 (431)	439 (439)	448 (448)	404 (404)	346 (346)	302 (-)	282 (-)	-

Note: *Cooling airflow must not exceed 1350 CFM due to condensate blowoff.*

[a] Factory Default Setting.

Indoor Fan Performance (230V)

5YCC4042A1060A		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1358 (1345)	1393 (1379)	1348 (1334)	1296 (1283)	1253 (1241)	-	-	-	-	-	-
	WATTS	224 (228)	233 (238)	242 (247)	252 (257)	262 (267)	-	-	-	-	-	-
Cooling - Med	CFM	1521 (1506)	1490 (1475)	1448 (1433)	1391 (1377)	1362 (1348)	1338 (1325)	1315 (1302)	1307 (1293)	1254 (1241)	-	-
	WATTS	306 (312)	316 (322)	327 (333)	337 (344)	348 (354)	359 (366)	369 (377)	382 (389)	395 (403)	-	-
Cooling - High	CFM	-	-	-	-	1529 (1514)	1491 (1476)	1467 (1453)	1425 (1411)	1385 (1371)	1345 (1331)	-
	WATTS	-	-	-	-	455 (464)	467 (477)	477 (487)	490 (499)	503 (513)	513 (523)	-
Heating - Low	CFM	1104 (1109)	1042 (1047)	977 (982)	911 (916)	841 (845)	764 (767)	687 (690)	598 (601)	-	-	-
	WATTS	109 (109)	116 (117)	124 (125)	134 (134)	142 (143)	152 (153)	161 (162)	171 (172)	-	-	-
Heating - High	CFM	-	1171 (1177)	1112 (1117)	1050 (1055)	990 (995)	927 (931)	821 (856)	779 (783)	704 (707)	-	-
	WATTS	-	154 (155)	162 (163)	172 (173)	182 (182)	192 (193)	203 (204)	214 (215)	225 (226)	-	-

Note: *Cooling airflow must not exceed 1575 CFM due to condensate blowoff.*

5YCC4042A1090A		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1358 (1345)	1393 (1379)	1348 (1334)	1296 (1283)	1253 (1241)	-	-	-	-	-	-
	WATTS	224 (228)	233 (238)	242 (247)	252 (257)	262 (267)	-	-	-	-	-	-
Cooling - Med	CFM	1521 (1506)	1490 (1475)	1448 (1433)	1391 (1377)	1362 (1348)	1338 (1325)	1315 (1302)	1307 (1293)	1254 (1241)	-	-
	WATTS	306 (312)	316 (322)	327 (333)	337 (344)	348 (354)	359 (366)	369 (377)	382 (389)	395 (403)	-	-
Cooling - High	CFM	-	-	-	-	1529 (1514)	1491 (1476)	1467 (1453)	1425 (1411)	1385 (1371)	1345 (1331)	-
	WATTS	-	-	-	-	455 (464)	467 (477)	477 (487)	490 (499)	503 (513)	513 (523)	-
Heating - Low	CFM	1419 (1426)	1380 (1387)	1341 (1348)	1295 (1301)	1249 (1255)	1204 (1210)	1160 (1166)	1115 (1120)	1069 (1074)	1015 (1020)	961 (966)
	WATTS	240 (241)	250 (251)	259 (260)	269 (270)	279 (281)	291 (292)	302 (303)	312 (314)	323 (325)	333 (335)	348 (349)
Heating - High	CFM	1559 (1567)	1524 (1531)	1483 (1491)	1443 (1450)	1401 (1408)	1363 (1370)	1319 (1326)	1276 (1282)	1233 (1239)	1195 (1201)	1147 (1152)
	WATTS	313 (315)	324 (325)	335 (337)	346 (347)	356 (358)	367 (368)	379 (381)	392 (394)	403 (405)	415 (417)	428 (430)

Note: *Cooling airflow must not exceed 1575 CFM due to condensate blowoff.*

5YCC4048A*(070)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1583 (1567)	1542 (1526)	1502 (1487)	1460 (1445)	1415 (1401)	-	-	-	-	-	-
	WATTS	302 (308)	313 (320)	324 (330)	332 (339)	346 (352)	-	-	-	-	-	-
Cooling - Med	CFM	1763 (1745)	1723 (1706)	1689 (1672)	1648 (1632)	1609 (1593)	1568 (1552)	1527 (1512)	1488 (1473)	1447 (1433)	-	-
	WATTS	414 (422)	426 (434)	436 (444)	448 (457)	459 (468)	471 (480)	483 (493)	495 (505)	510 (520)	-	-
Cooling - Med High [(a)]	CFM	-	1786 (1768)	1757 (1739)	1729 (1712)	1700 (1683)	1675 (1658)	1648 (1632)	1624 (1608)	1504 (1489)	-	-
	WATTS	-	577 (589)	591 (603)	604 (616)	617 (629)	631 (644)	643 (656)	655 (668)	599 (611)	-	-
Cooling - High	CFM	-	-	-	-	-	1769 (1751)	1728 (1711)	1688 (1671)	1652 (1635)	1545 (1530)	-
	WATTS	-	-	-	-	-	613 (625)	631 (644)	643 (656)	647 (660)	611 (623)	-
Heating - Low	CFM	1120 (1126)	1047 (1052)	980 (985)	914 (918)	840 (845)	758 (762)	674 (677)	581 (584)	-	-	-
	WATTS	117 (117)	126 (127)	135 (136)	145 (146)	156 (156)	168 (168)	179 (180)	188 (189)	-	-	-
Heating - High	CFM	-	1204 (1210)	1149 (1154)	1095 (1100)	1043 (1048)	989 (994)	926 (930)	858 (862)	798 (802)	-	-
	WATTS	-	176 (177)	185 (186)	195 (196)	205 (206)	216 (217)	227 (228)	239 (240)	249 (250)	-	-

Note: *Cooling airflow must not exceed 1800 CFM due to condensate blowoff.*

5YCC4048A*(090)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1583 (1567)	1542 (1526)	1502 (1487)	1460 (1445)	1415 (1401)	-	-	-	-	-	-
	WATTS	302 (308)	313 (320)	324 (330)	332 (339)	346 (352)	-	-	-	-	-	-
Cooling - Med	CFM	1763 (1745)	1723 (1706)	1689 (1672)	1648 (1632)	1609 (1593)	1568 (1552)	1527 (1512)	1488 (1473)	1447 (1433)	-	-
	WATTS	414 (422)	426 (434)	436 (444)	448 (457)	459 (468)	471 (480)	483 (493)	495 (505)	510 (520)	-	-
Cooling - Med High [(a)]	CFM	-	1786 (1768)	1757 (1739)	1729 (1712)	1700 (1683)	1675 (1658)	1648 (1632)	1624 (1608)	1504 (1489)	-	-
	WATTS	-	577 (589)	591 (603)	604 (616)	617 (629)	631 (644)	643 (656)	655 (668)	599 (611)	-	-
Cooling - High	CFM	-	-	-	-	-	1769 (1751)	1728 (1711)	1688 (1671)	1652 (1635)	1545 (1530)	-
	WATTS	-	-	-	-	-	613 (625)	631 (644)	643 (656)	647 (660)	611 (623)	-
Heating - Low	CFM	1419 (1426)	1380 (1387)	1341 (1348)	1295 (1301)	1249 (1255)	1204 (1210)	1160 (1166)	1115 (1120)	1069 (1074)	1015 (1020)	961 (966)
	WATTS	240 (241)	250 (251)	259 (260)	269 (270)	279 (281)	291 (292)	302 (303)	312 (314)	323 (325)	333 (335)	348 (349)
Heating - High	CFM	1559 (1567)	1524 (1531)	1483 (1491)	1443 (1450)	1401 (1408)	1363 (1370)	1319 (1326)	1276 (1282)	1233 (1239)	1195 (1201)	1147 (1152)
	WATTS	313 (315)	324 (325)	335 (337)	346 (347)	356 (358)	367 (368)	379 (381)	392 (394)	403 (405)	415 (417)	428 (430)

Note: *Cooling airflow must not exceed 1800 CFM due to condensate blowoff.*

[(a)] Factory Default Setting.

Indoor Fan Performance (230V)

5YCC4060A*(090)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1857 (1831)	1831 (1802)	1800 (1765)	1766 (1728)	-	-	-	-	-	-	-
	WATTS	515 (524)	523 (533)	533 (545)	544 (558)	-	-	-	-	-	-	-
Cooling - Med	CFM	2031 (2003)	2003 (1975)	1974 (1946)	1940 (1913)	1907 (1880)	1874 (1848)	1837 (1811)	1805 (1780)	1771 (1746)	-	-
	WATTS	594 (611)	609 (627)	624 (642)	639 (658)	653 (672)	667 (686)	681 (701)	695 (715)	709 (730)	-	-
Cooling - High	CFM	2083 (2054)	2058 (2030)	2032 (2010)	2003 (1976)	1974 (1946)	1943 (1911)	1911 (1879)	1877 (1848)	1843 (1817)	1807 (1781)	-
	WATTS	749 (770)	759 (781)	769 (790)	779 (804)	788 (819)	803 (832)	816 (845)	830 (858)	845 (872)	860 (887)	-
Heating - Low	CFM	1534 (1541)	1489 (1497)	1445 (1452)	1403 (1410)	1361 (1367)	1314 (1321)	1275 (1281)	1234 (1240)	-	-	-
	WATTS	281 (282)	292 (293)	304 (305)	314 (316)	325 (327)	337 (339)	348 (349)	358 (360)	-	-	-
Heating - High	CFM	-	1594 (1602)	1551 (1558)	1511 (1518)	1471 (1478)	1430 (1437)	1386 (1392)	1344 (1351)	1305 (1311)	1265 (1271)	-
	WATTS	-	348 (350)	361 (363)	373 (374)	384 (386)	396 (398)	409 (411)	420 (423)	432 (434)	443 (445)	-

Note: *Cooling airflow must not exceed 1575 CFM due to condensate blowoff.*

5YCC4060A*(115)		EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		**0.0**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1**
Constant Circulation	CFM	APPROXIMATELY 40-50% COOLING OR HEATING AIRFLOW										
	WATTS											
Cooling - Low	CFM	1857 (1831)	1831 (1802)	1800 (1765)	1766 (1728)	-	-	-	-	-	-	-
	WATTS	515 (524)	523 (533)	533 (545)	544 (558)	-	-	-	-	-	-	-
Cooling - Med[(a)]	CFM	2031 (2003)	2003 (1975)	1974 (1946)	1940 (1913)	1907 (1880)	1874 (1848)	1837 (1811)	1805 (1780)	1771 (1746)	-	-
	WATTS	594 (611)	609 (627)	624 (642)	639 (658)	653 (672)	667 (686)	681 (701)	695 (715)	709 (730)	-	-
Cooling - High	CFM	2083 (2054)	2058 (2030)	2032 (2010)	2003 (1976)	1974 (1946)	1943 (1911)	1911 (1879)	1877 (1848)	1843 (1817)	1807 (1781)	-
	WATTS	749 (770)	759 (781)	769 (790)	779 (804)	788 (819)	803 (832)	816 (845)	830 (858)	845 (872)	860 (887)	-
Heating - Low	CFM	1827 (1815)	1792 (1790)	1757 (1757)	1721 (1712)	1685 (1679)	1646 (1648)	1605 (1613)	1570 (1574)	-	-	-
	WATTS	492 (510)	505 (520)	517 (532)	529 (549)	541 (560)	553 (570)	566 (582)	577 (596)	-	-	-
Heating - High	CFM	-	1927 (1910)	1894 (1875)	1861 (1839)	1824 (1803)	1788 (1773)	1750 (1736)	1711 (1704)	1674 (1661)	1639 (1622)	-
	WATTS	-	614 (630)	627 (634)	639 (647)	651 (660)	664 (672)	677 (685)	689 (698)	702 (712)	715 (726)	-

Note: *Cooling airflow must not exceed 1575 CFM due to condensate blowoff.*

[(a)] Factory Default Setting.

To set indoor motor for the desired speed options, connect the motor leads in the taps as shown below:

Table 2. Motor Wiring: 5YCC4024 - 42, 5YCC4060

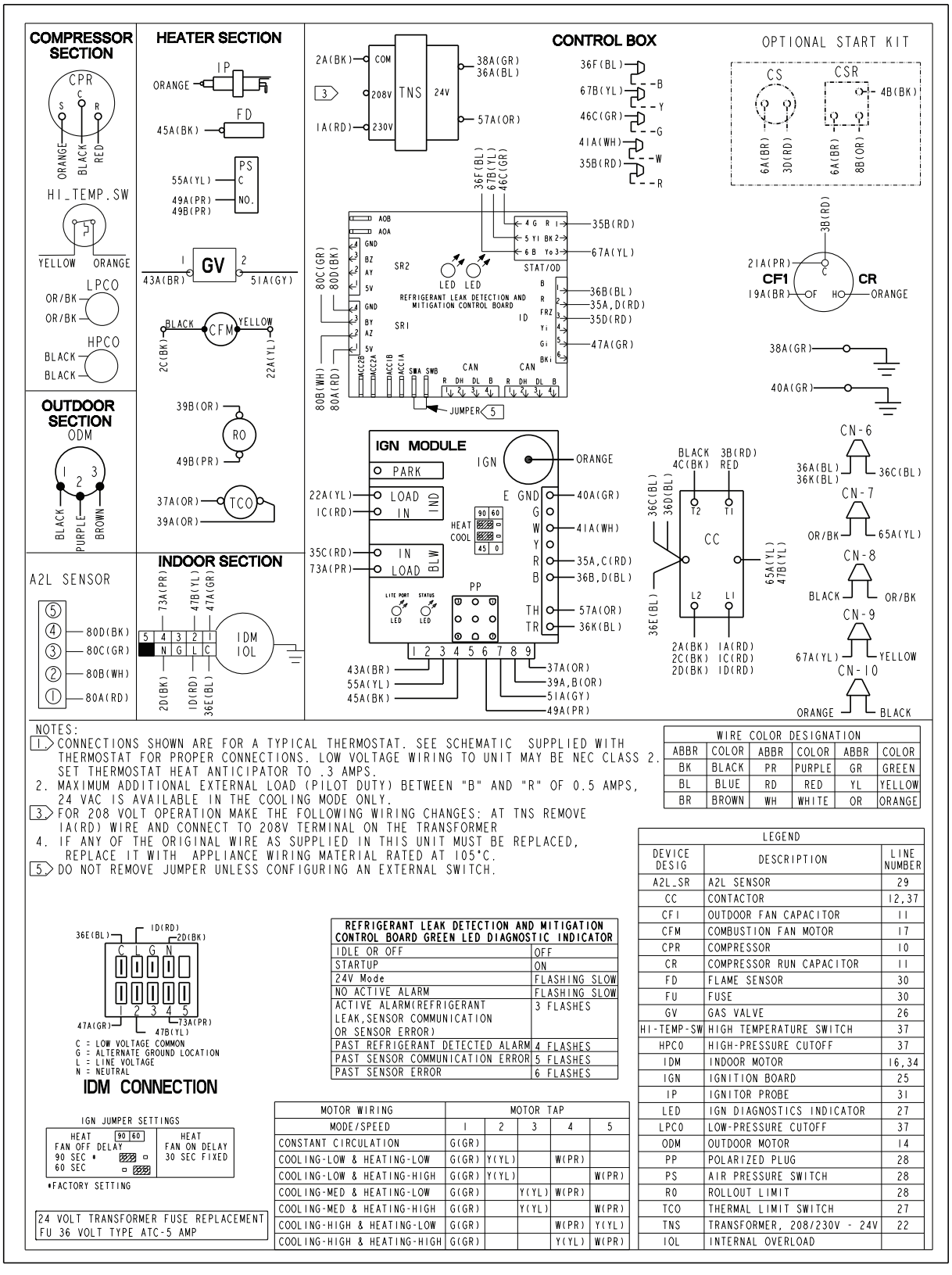
MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G (GR)				
COOLING-LOW & HEATING-LOW	G (GR)	Y (YL)		W (PR)	
COOLING-LOW & HEATING-HIGH	G (GR)	Y (YL)			W (PR)
COOLING-MED & HEATING-LOW	G (GR)		Y (YL)	W (PR)	
COOLING-MED & HEATING-HIGH	G (GR)		Y (YL)		W (PR)
COOLING-HIGH & HEATING-LOW	G (GR)			W (PR)	Y (YL)
COOLING-HIGH & HEATING-HIGH	G (GR)			Y (YL)	W (PR)
G signal (GR - green wire), Y signal (YL - yellow wire), W signal (PR - purple wire)					

Table 3. Motor Wiring: 5YCC4048

MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G (GR)				
COOLING-LOW & HEATING-LOW	G (GR)	Y (YL)		W (PR)	
COOLING-LOW & HEATING-HIGH	G (GR)	Y (YL)			W (PR)
COOLING-MED LOW& HEATING-LOW	G (GR)		Y (YL)	W (PR)	
COOLING-MED LOW & HEATING-HIGH	G (GR)		Y (YL)		W (PR)
COOLING-MED HIGH& HEATING-LOW	G (GR)	W (PR)		Y (YL)	
COOLING-MED HIGH& HEATING-HIGH	G (GR)		W (PR)	Y (YL)	
COOLING-HIGH & HEATING-LOW	G (GR)	W (PR)			Y (YL)
COOLING-HIGH & HEATING-HIGH	G (GR)		W (PR)		Y (YL)
G signal (GR - green wire), Y signal (YL - yellow wire), W signal (PR - purple wire)					

Wiring Diagram

Figure 1. 5YCC4024A–42A1



NOTES:

1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2. SET THERMOSTAT HEAT ANTICIPATOR TO .3 AMPS.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE IN THE COOLING MODE ONLY.
3. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES: AT TNS REMOVE 1A(RD) WIRE AND CONNECT TO 208V TERMINAL ON THE TRANSFORMER
4. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
5. DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

WIRE COLOR DESIGNATION					
ABBR	COLOR	ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE	GR	GREEN
BL	BLUE	RD	RED	YL	YELLOW
BR	BROWN	WH	WHITE	OR	ORANGE

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
A2L_SR	A2L SENSOR	29
CC	CONTACTOR	12,37
CF1	OUTDOOR FAN CAPACITOR	11
CFM	COMBUSTION FAN MOTOR	17
CPR	COMPRESSOR	10
CR	COMPRESSOR RUN CAPACITOR	11
FD	FLAME SENSOR	30
FU	FUSE	30
GV	GAS VALVE	26
HI-TEMP-SW	HIGH TEMPERATURE SWITCH	37
HPCO	HIGH-PRESSURE CUTOFF	37
IDM	INDOOR MOTOR	16,34
IGN	IGNITION BOARD	25
IP	IGNITOR PROBE	31
LED	IGN DIAGNOSTICS INDICATOR	27
LPCO	LOW-PRESSURE CUTOFF	37
ODM	OUTDOOR MOTOR	14
PP	POLARIZED PLUG	28
PS	AIR PRESSURE SWITCH	28
RO	ROLLOUT LIMIT	28
TCO	THERMAL LIMIT SWITCH	27
TNS	TRANSFORMER, 208/230V - 24V	22
IOL	INTERNAL OVERLOAD	

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL

IDM CONNECTION

REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR	
IDLE OR OFF	OFF
STARTUP	ON
24V Mode	FLASHING SLOW
NO ACTIVE ALARM	FLASHING SLOW
ACTIVE ALARM(REFRIGERANT LEAK,SENSOR COMMUNICATION OR SENSOR ERROR)	3 FLASHES
PAST REFRIGERANT DETECTED ALARM	4 FLASHES
PAST SENSOR COMMUNICATION ERROR	5 FLASHES
PAST SENSOR ERROR	6 FLASHES

IGN JUMPER SETTINGS

HEAT FAN OFF DELAY 90 SEC * 60 SEC	HEAT FAN ON DELAY 30 SEC FIXED

*FACTORY SETTING

24 VOLT TRANSFORMER FUSE REPLACEMENT FU 36 VOLT TYPE ATC-5 AMP

MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G(GR)				
COOLING-LOW & HEATING-LOW	G(GR)	Y(YL)		W(PR)	
COOLING-LOW & HEATING-HIGH	G(GR)	Y(YL)			W(PR)
COOLING-MED & HEATING-LOW	G(GR)		Y(YL)	W(PR)	
COOLING-MED & HEATING-HIGH	G(GR)		Y(YL)		W(PR)
COOLING-HIGH & HEATING-LOW	G(GR)			W(PR)	Y(YL)
COOLING-HIGH & HEATING-HIGH	G(GR)			Y(YL)	W(PR)

Figure 2. 5YCC4024A1–42A1

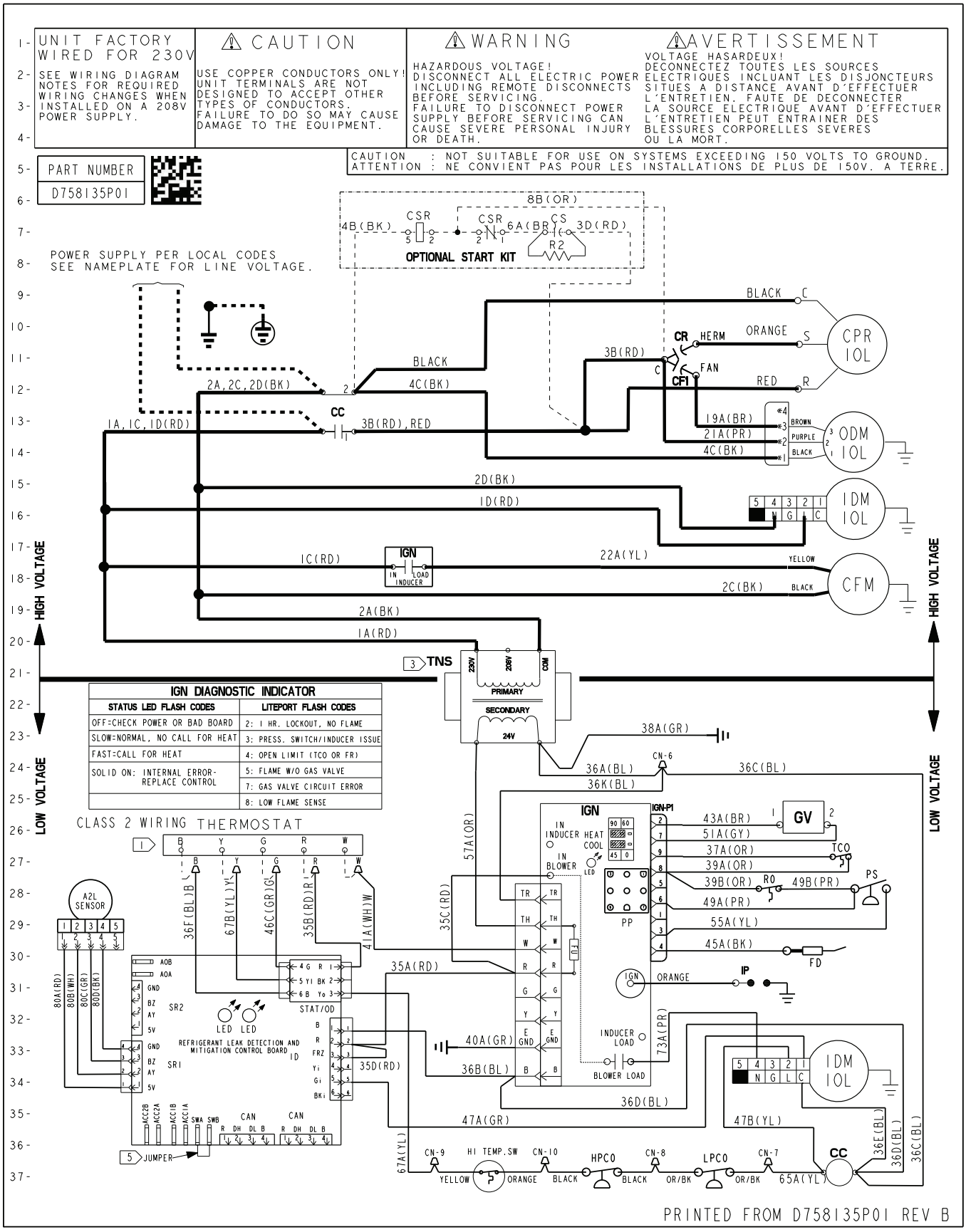
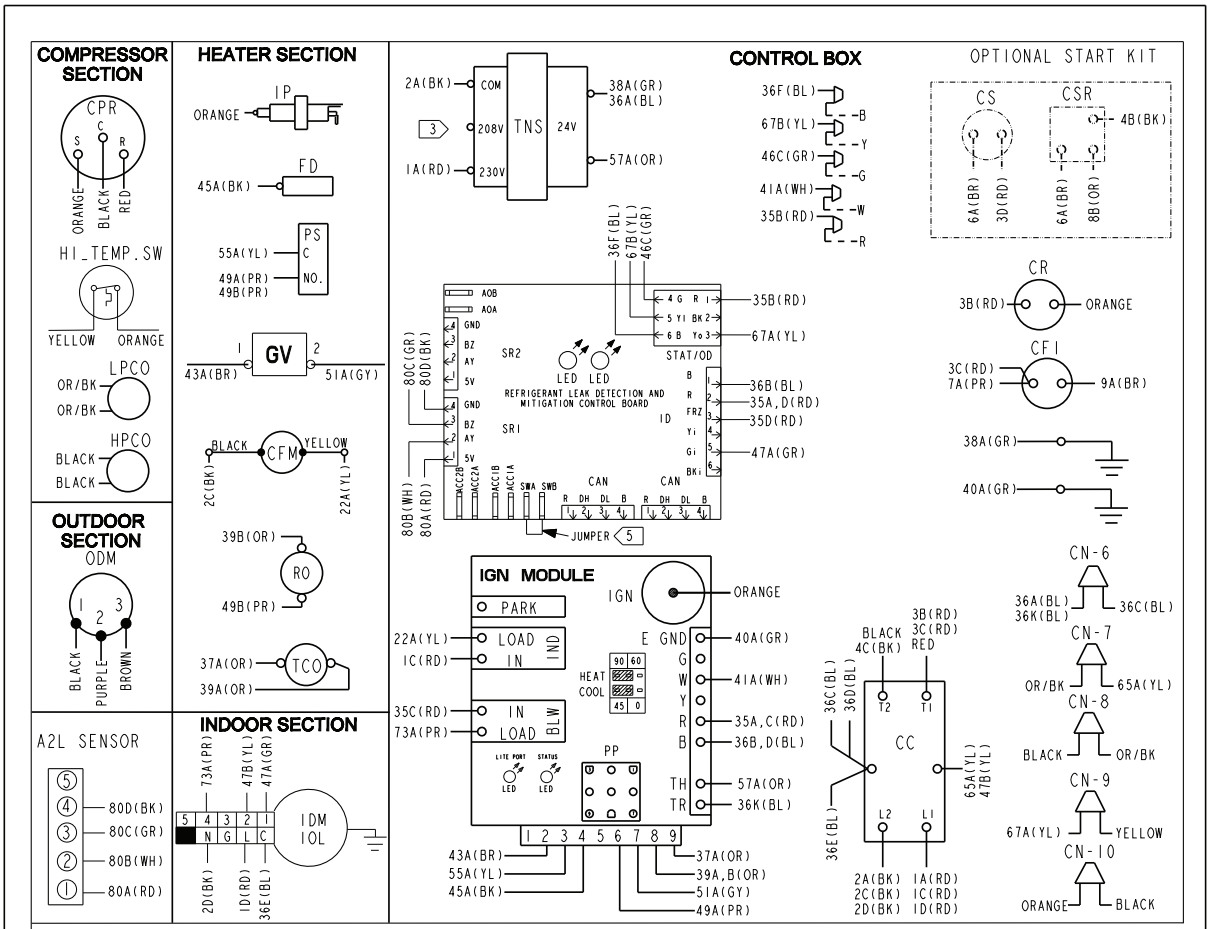


Figure 3. 5YCC4048A1



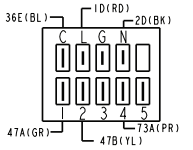
NOTES:

1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2. SET THERMOSTAT HEAT ANTICIPATOR TO .3 AMPS.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE IN THE COOLING MODE ONLY.
3. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES: AT TNS, REMOVE 1A(RD) WIRE AND CONNECT TO 208V TERMINAL ON THE TRANSFORMER
4. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
5. DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

24 VOLT TRANSFORMER FUSE REPLACEMENT FU 36 VOLT TYPE ATC-5 AMP

WIRE COLOR DESIGNATION					
ABBR	COLOR	ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE	GR	GREEN
BL	BLUE	RD	RED	YL	YELLOW
BR	BROWN	WH	WHITE	OR	ORANGE

REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR	
IDLE OR OFF	OFF
STARTUP	ON
24V Mode	FLASHING SLOW
NO ACTIVE ALARM	FLASHING SLOW
ACTIVE ALARM(REFRIGERANT LEAK,SENSOR COMMUNICATION OR SENSOR ERROR)	3 FLASHES
PAST REFRIGERANT DETECTED ALARM	4 FLASHES
PAST SENSOR COMMUNICATION ERROR	5 FLASHES
PAST SENSOR ERROR	6 FLASHES



C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL

IDM CONNECTION

IGN JUMPER SETTINGS

HEAT 90 60 FAN OFF DELAY 90 SEC * 60 SEC	HEAT FAN ON DELAY 30 SEC FIXED

*FACTORY SETTING

MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G(GR)				
COOLING-LOW & HEATING-LOW	G(GR)	Y(YL)		W(PR)	
COOLING-LOW & HEATING-HIGH	G(GR)	Y(YL)			W(PR)
COOLING-MED LOW & HEATING-LOW	G(GR)		Y(YL)	W(PR)	
COOLING-MED LOW & HEATING-HIGH	G(GR)		Y(YL)		W(PR)
COOLING-MED HIGH & HEATING-LOW	G(GR)	W(PR)		Y(YL)	
COOLING-MED HIGH & HEATING-HIGH	G(GR)		W(PR)	Y(YL)	
COOLING-HIGH & HEATING LOW	G(GR)	W(PR)			Y(YL)
COOLING-HIGH & HEATING HIGH	G(GR)		W(PR)		Y(YL)

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
A2L_SR	A2L SENSOR	30
CC	CONTACTOR	13,37
CFI	OUTDOOR FAN CAPACITOR	13
CFM	COMBUSTION FAN MOTOR	18
CPR	COMPRESSOR	10
CR	COMPRESSOR RUN CAPACITOR	10
FD	FLAME SENSOR	30
FU	FUSE	30
GV	GAS VALVE	25
HI-TEMP-SW	HIGH TEMPERATURE SWITCH	37
HPCO	HIGH-PRESSURE CUTOFF	37
IDM	INDOOR MOTOR	16,34
IGN	IGNITION BOARD	25
IP	IGNITOR PROBE	31
LED	IGN DIAGNOSTICS INDICATOR	27
LPCO	LOW-PRESSURE CUTOFF	37
ODM	OUTDOOR MOTOR	13
PP	POLARIZED PLUG	28
PS	AIR PRESSURE SWITCH	28
RO	ROLLOUT LIMIT	28
TCO	THERMAL LIMIT SWITCH	27
TNS	TRANSFORMER, 208/230V - 24V	22
IOL	INTERNAL OVERLOAD	

Figure 4. 5YCC4048A1

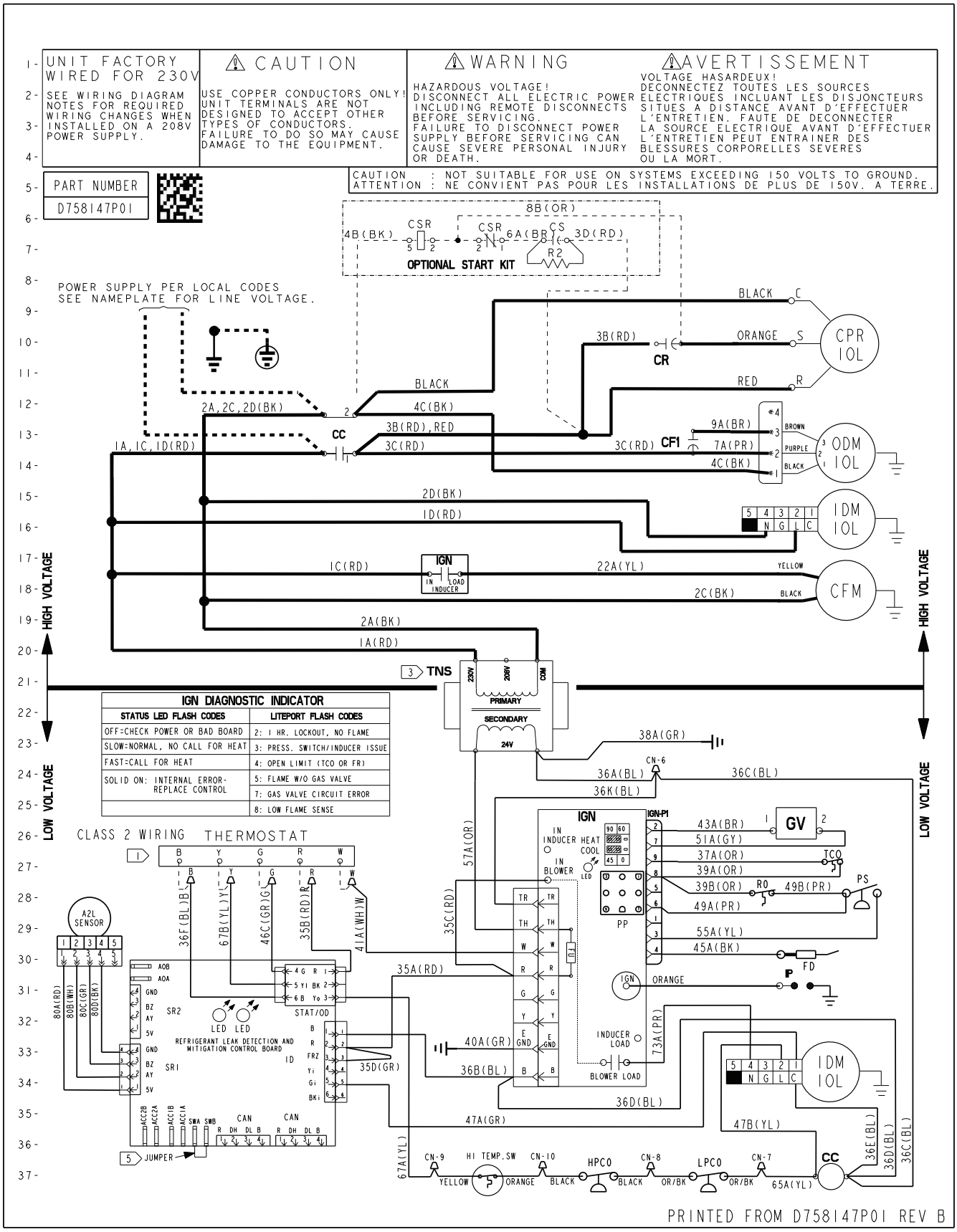
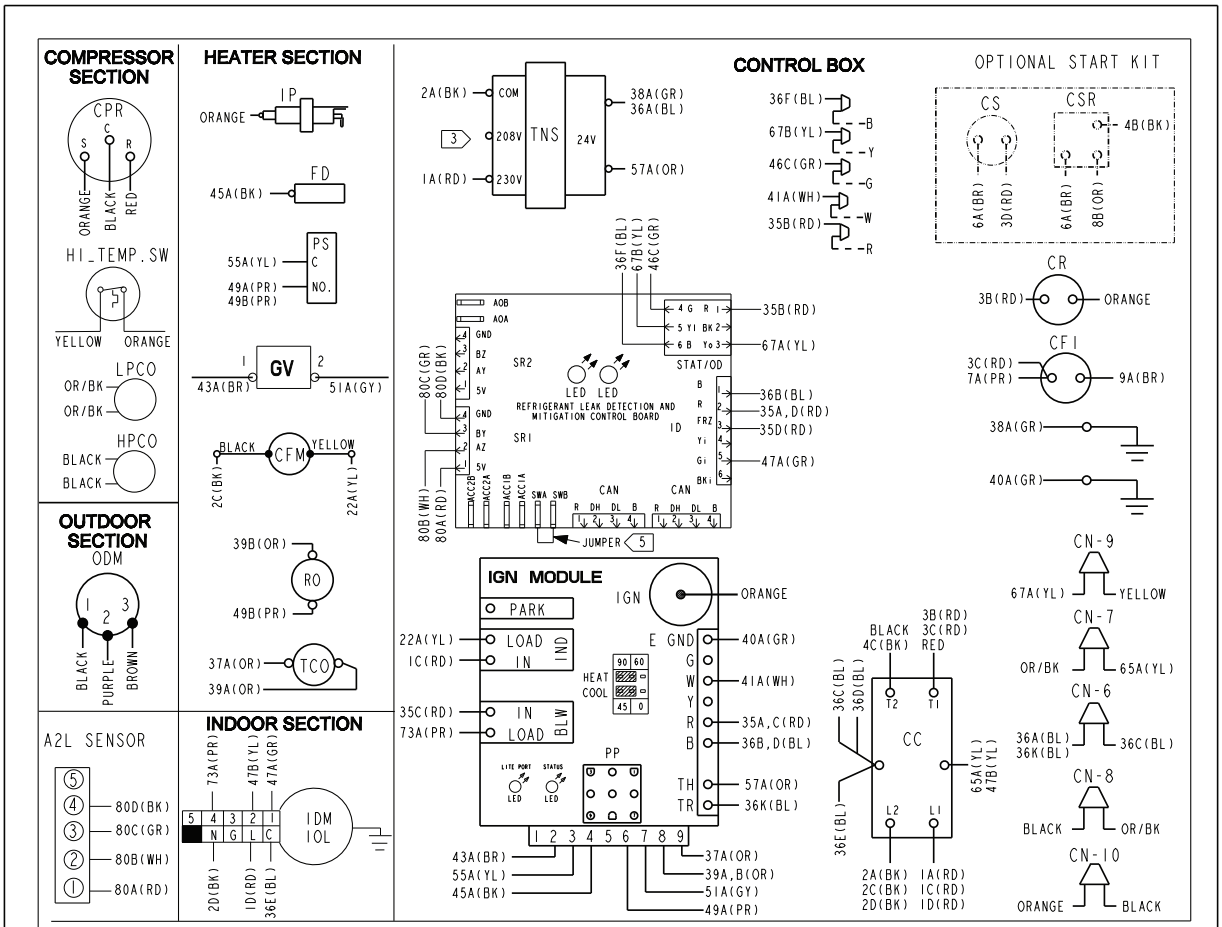


Figure 5. 5YCC4060A1



NOTES:

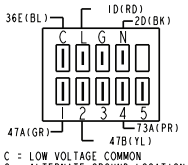
1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2. SET THERMOSTAT HEAT ANTICIPATOR TO .3 AMPS.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE IN THE COOLING MODE ONLY.
3. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES: AT TNS, REMOVE 1A(RD) WIRE AND CONNECT IT TO 208V TERMINAL ON THE TRANSFORMER
4. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
5. DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

24 VOLT TRANSFORMER FUSE REPLACEMENT FU 36 VOLT TYPE ATC-5 AMP

WIRE COLOR DESIGNATION					
ABBR	COLOR	ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE	GR	GREEN
BL	BLUE	RD	RED	YL	YELLOW
BR	BROWN	WH	WHITE	OR	ORANGE

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
A2L_SR	A2L SENSOR	30
CC	CONTACTOR	12,37
CFI	OUTDOOR FAN CAPACITOR	13
CFM	COMBUSTION FAN MOTOR	17
CPR	COMPRESSOR	10
CR	COMPRESSOR RUN CAPACITOR	10
FD	FLAME SENSOR	30
FU	FUSE	30
GV	GAS VALVE	25
HI-TEMP-SW	HIGH TEMPERATURE SWITCH	37
HPCO	HIGH-PRESSURE CUTOFF	37
IDM	INDOOR MOTOR	16,34
IGN	IGNITION BOARD	25
IP	IGNITOR PROBE	31
LED	IGN DIAGNOSTICS INDICATOR	27
LPCO	LOW-PRESSURE CUTOFF	37
ODM	OUTDOOR MOTOR	13
PP	POLARIZED PLUG	28
PS	AIR PRESSURE SWITCH	28
RO	ROLLOUT LIMIT	28
TCO	THERMAL LIMIT SWITCH	27
TNS	TRANSFORMER, 208/230V - 24V	22
IOL	INTERNAL OVERLOAD	

IDM CONNECTION



C : LOW VOLTAGE COMMON
G : ALTERNATE GROUND LOCATION
L : LINE VOLTAGE
N : NEUTRAL

IGN JUMPER SETTINGS

HEAT FAN OFF DELAY 90 SEC * 60 SEC	HEAT FAN ON DELAY 30 SEC FIXED

*FACTORY SETTING

REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR	
IDLE OR OFF	OFF
STARTUP	ON
24V Mode	FLASHING SLOW
NO ACTIVE ALARM	FLASHING SLOW
ACTIVE ALARM(REFRIGERANT LEAK,SENSOR COMMUNICATION OR SENSOR ERROR)	3 FLASHES
PAST REFRIGERANT DETECTED ALARM	4 FLASHES
PAST SENSOR COMMUNICATION ERROR	5 FLASHES
PAST SENSOR ERROR	6 FLASHES

MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G(GR)				
COOLING-LOW & HEATING-LOW	G(GR)	Y(YL)		W(PR)	
COOLING-LOW & HEATING-HIGH	G(GR)	Y(YL)			W(PR)
COOLING-MED & HEATING-LOW	G(GR)		Y(YL)	W(PR)	
COOLING-MED & HEATING-HIGH	G(GR)		Y(YL)		W(PR)
COOLING-HIGH & HEATING-LOW	G(GR)			W(PR)	Y(YL)
COOLING-HIGH & HEATING-HIGH	G(GR)			Y(YL)	W(PR)

Figure 6. 5YCC4060A1

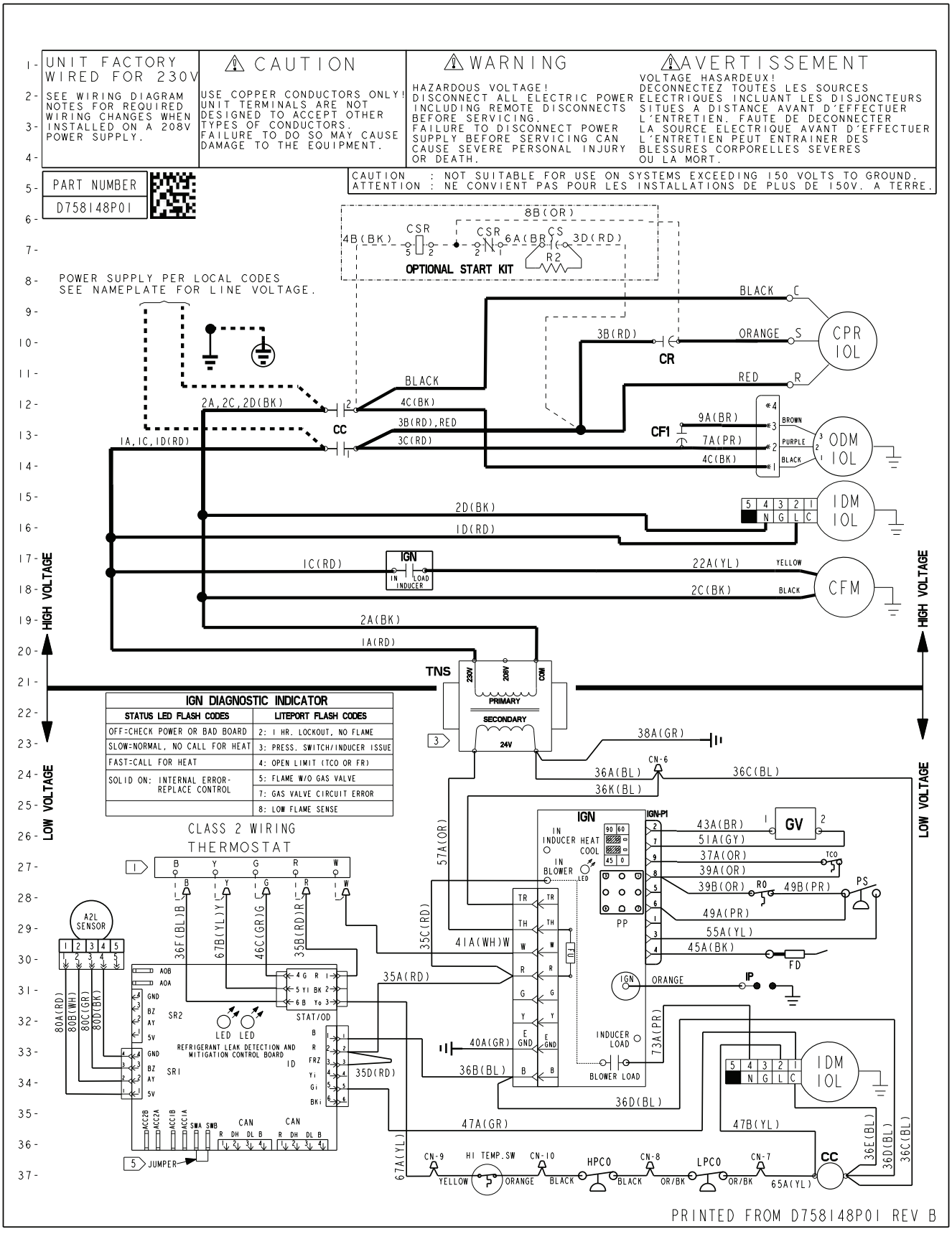
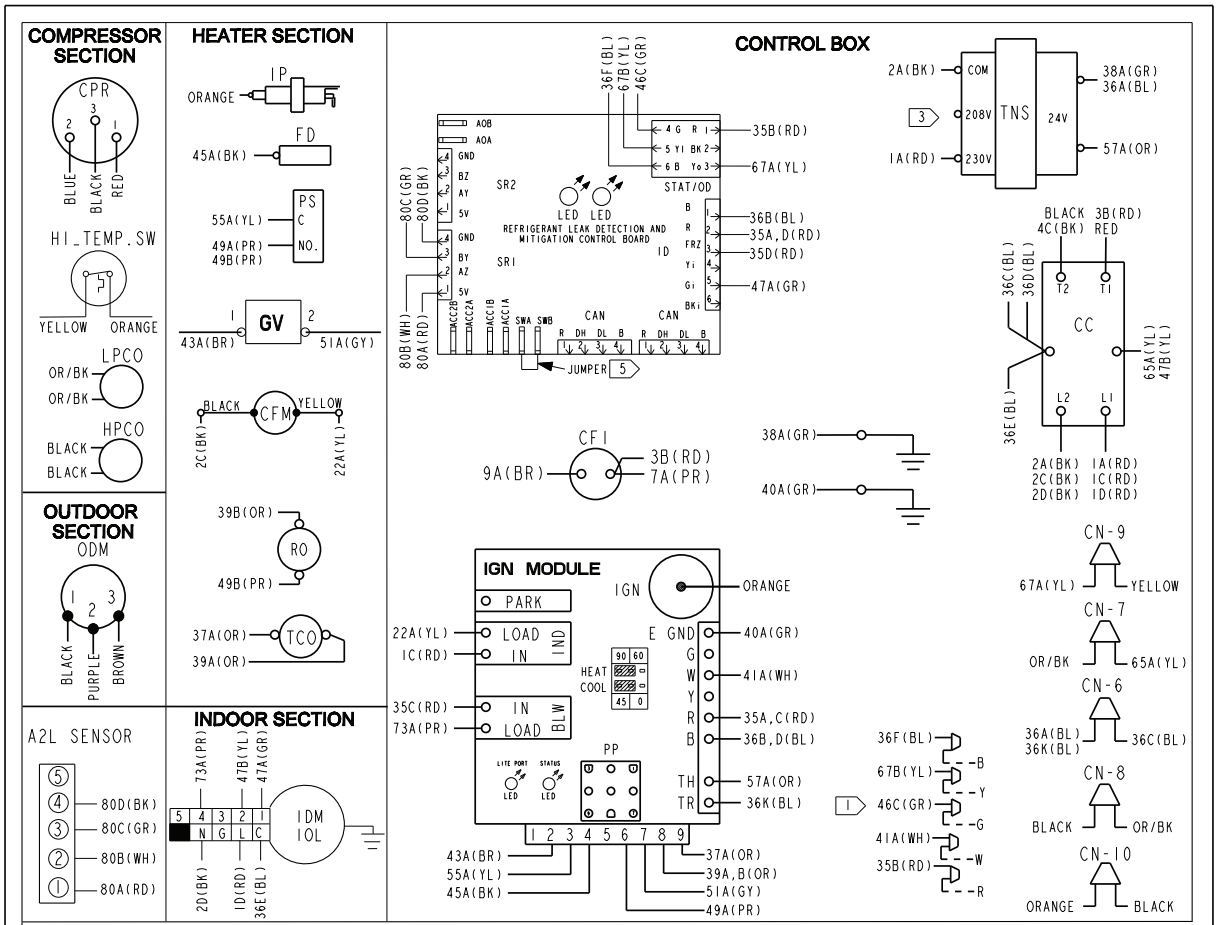


Figure 7. 5YCC4036A3–60A3



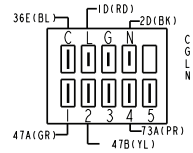
NOTES:

1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2. SET THERMOSTAT HEAT ANTICIPATOR TO .3 AMPS.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE IN THE COOLING MODE ONLY.
3. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES: AT TNS, REMOVE 1A(RD) WIRE AND CONNECT TO 208V TERMINAL ON THE TRANSFORMER
4. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
5. DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

NOTE: THREE PHASE MOTOR(S) FACTORY SUPPLIED IN THIS EQUIPMENT, PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

24 VOLT TRANSFORMER FUSE REPLACEMENT FU 36 VOLT TYPE ATC-5 AMP

WIRE COLOR DESIGNATION					
ABBR	COLOR	ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE	GR	GREEN
BL	BLUE	RD	RED	YL	YELLOW
BR	BROWN	WH	WHITE	OR	ORANGE



IDM CONNECTION

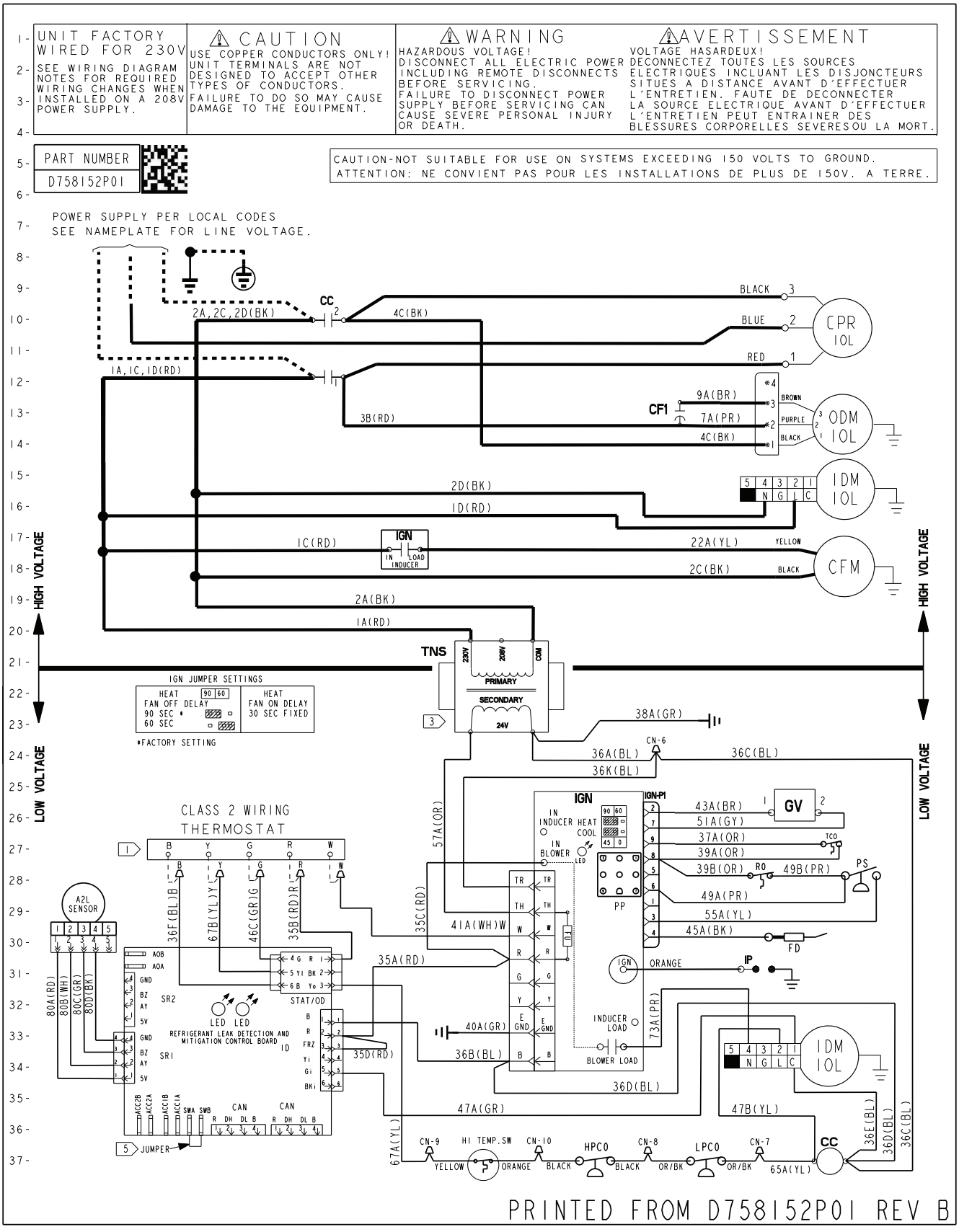
IGN DIAGNOSTIC INDICATOR	
STATUS LED FLASH CODES	LITEPORT FLASH CODES
OFF=CHECK POWER OR BAD BOARD	2: 1 HR. LOCKOUT, NO FLAME
SLOW=NORMAL, NO CALL FOR HEAT	3: PRESS. SWITCH/INDUCER ISSUE
FAST=CALL FOR HEAT	4: OPEN LIMIT (TCO OR FR)
SOLID ON: INTERNAL ERROR-REPLACE CONTROL	5: FLAME W/O GAS VALVE
	7: GAS VALVE CIRCUIT ERROR
	8: LOW FLAME SENSE

REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR	
IDLE OR OFF	OFF
STARTUP	ON
24V Mode	FLASHING SLOW
NO ACTIVE ALARM	FLASHING SLOW
ACTIVE ALARM(REFRIGERANT LEAK,SENSOR COMMUNICATION OR SENSOR ERROR)	3 FLASHES
PAST REFRIGERANT DETECTED ALARM	4 FLASHES
PAST SENSOR COMMUNICATION ERROR	5 FLASHES
PAST SENSOR ERROR	6 FLASHES

MOTOR WIRING	MOTOR TAP				
MODE/SPEED	1	2	3	4	5
CONSTANT CIRCULATION	G(GR)				
COOLING-LOW & HEATING-LOW	G(GR)	Y(YL)		W(PR)	
COOLING-LOW & HEATING-HIGH	G(GR)	Y(YL)			W(PR)
COOLING-MED & HEATING-LOW	G(GR)		Y(YL)	W(PR)	
COOLING-MED & HEATING-HIGH	G(GR)		Y(YL)		W(PR)
COOLING-HIGH & HEATING-LOW	G(GR)			W(PR)	Y(YL)
COOLING-HIGH & HEATING-HIGH	G(GR)			Y(YL)	W(PR)

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
A2L_SR	A2L SENSOR	30
CC	CONTACTOR	10,37
CFI	OUTDOOR FAN CAPACITOR	13
CFM	COMBUSTION FAN MOTOR	17
CPR	COMPRESSOR	10
FD	FLAME SENSOR	30
FU	FUSE	30
GV	GAS VALVE	25
HI-TEMP-SW	HIGH TEMPERATURE SWITCH	37
HPCO	HIGH-PRESSURE CUTOFF	37
IDM	INDOOR MOTOR	16,34
IGN	IGNITION BOARD	25
IP	IGNITOR PROBE	31
LED	IGN DIAGNOSTICS INDICATOR	27
LPCO	LOW-PRESSURE CUTOFF	37
ODM	OUTDOOR MOTOR	13
PP	POLARIZED PLUG	28
PS	AIR PRESSURE SWITCH	28
RO	ROLLOUT LIMIT	28
TCO	THERMAL LIMIT SWITCH	27
TNS	TRANSFORMER, 208/230V - 24V	22
IOL	INTERNAL OVERLOAD	

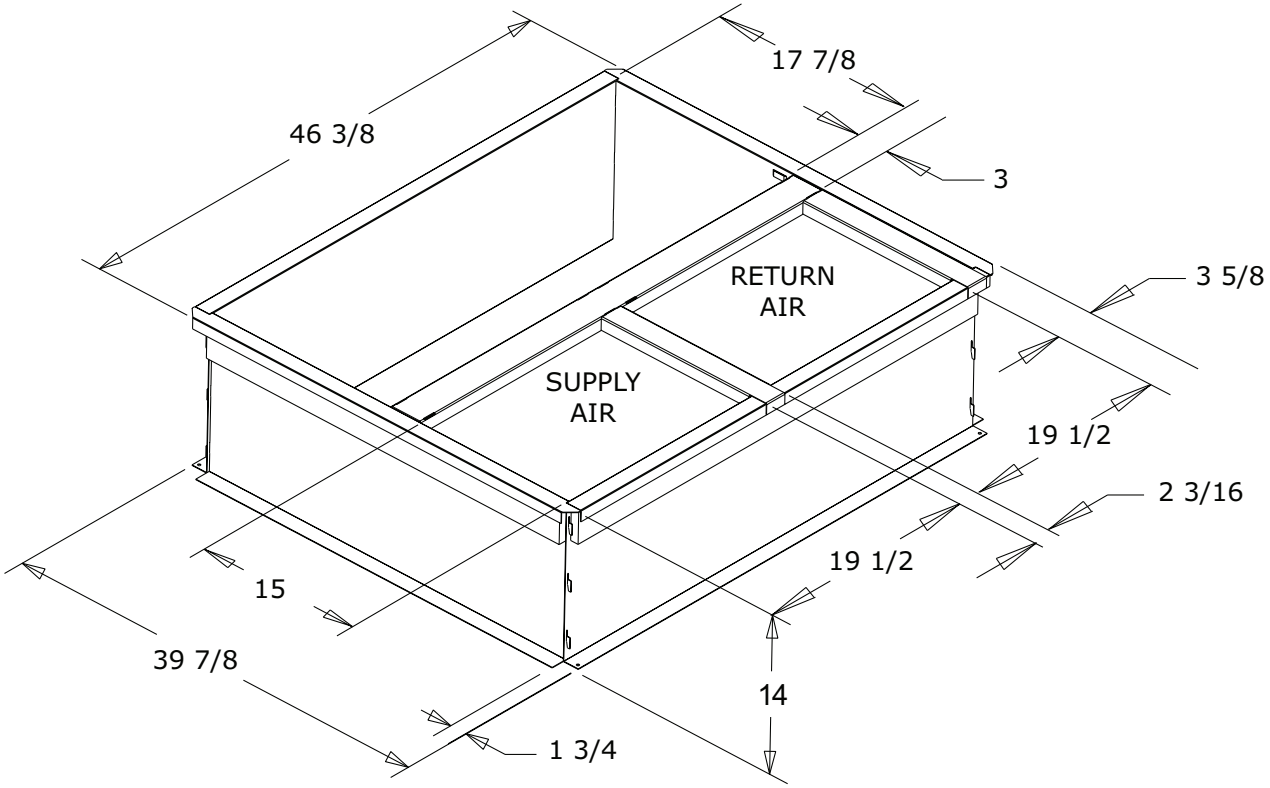
Figure 8. 5YCC4036A3–60A3

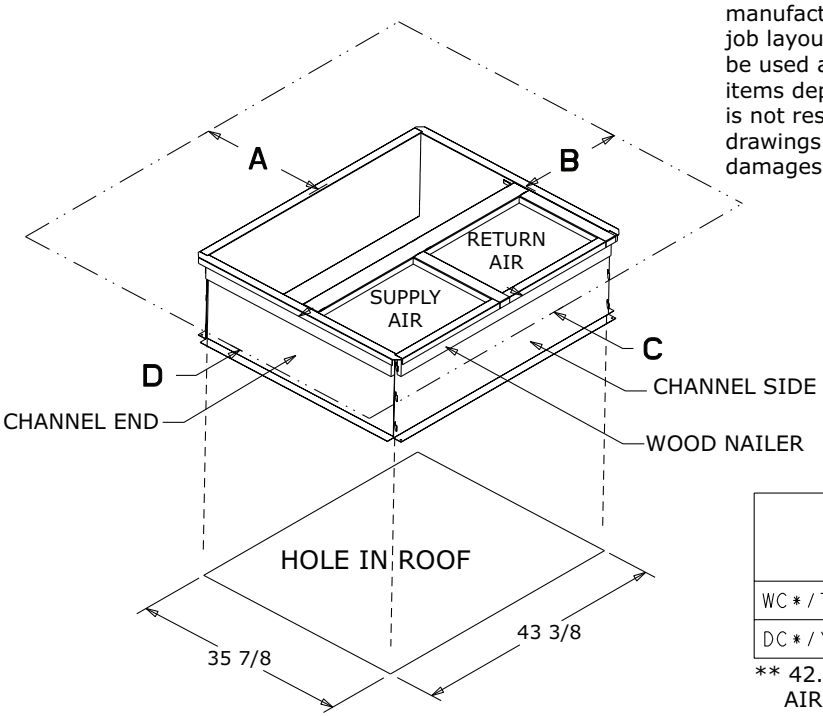


Full Perimeter Roof Mounting Curb

Figure 9. 2.0 — 3.0 Ton Models

BAYCURB050A Full Perimeter Roof Mounting Curb





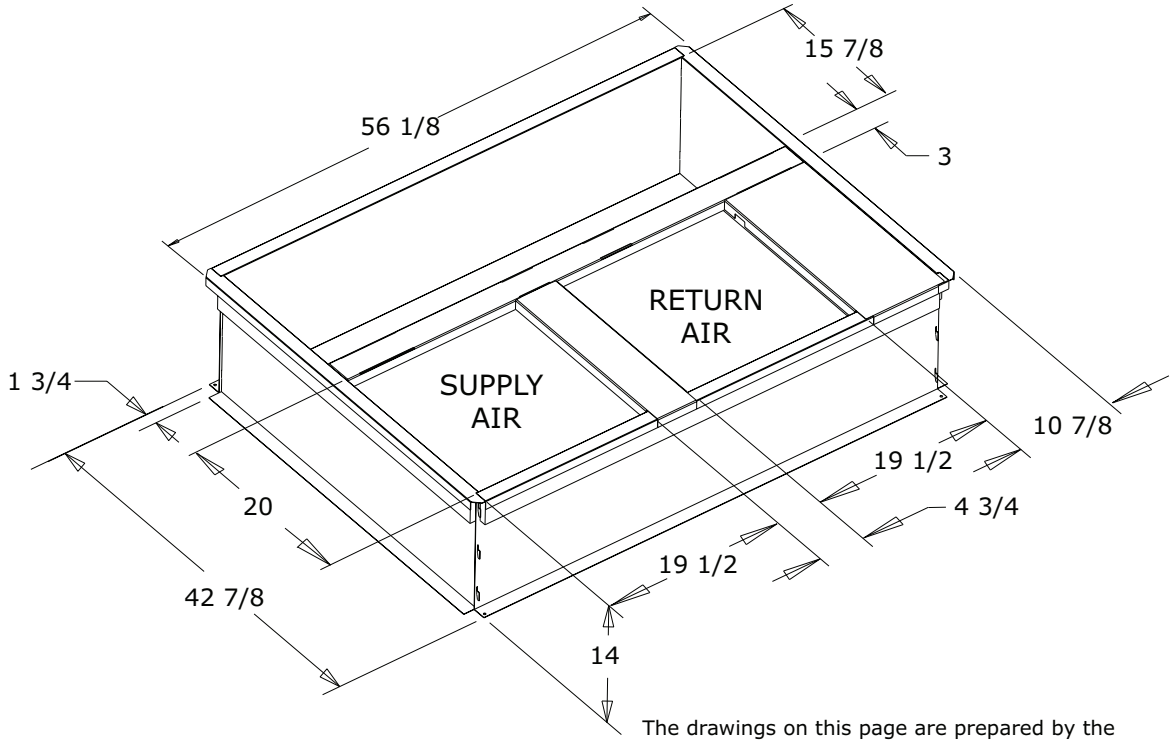
The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.

	SERVICE CLEARANCE DIMENSIONS			
	A	**B**	**C**	**D**
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

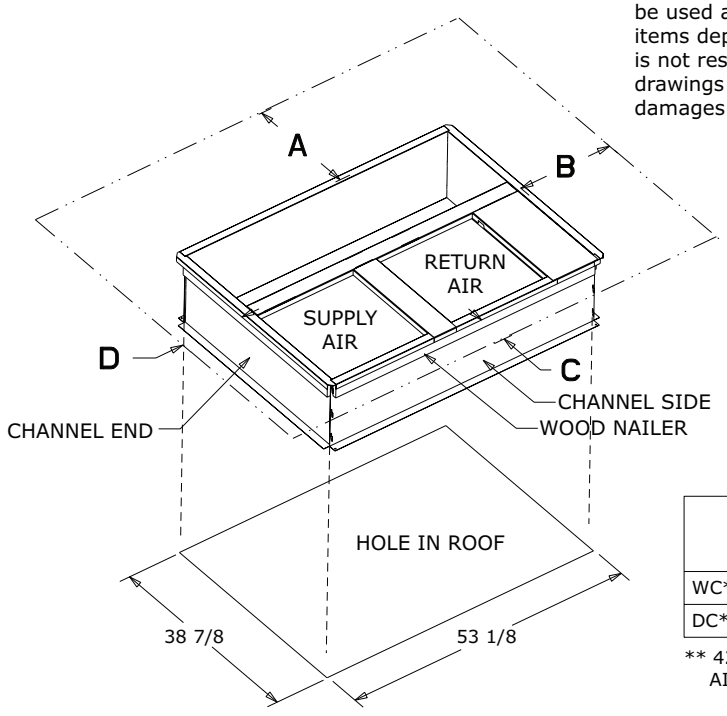
** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Figure 10. 3.5 — 5.0 Ton Models

BAYCURB051A Full Perimeter Roof Mounting Curb



The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.

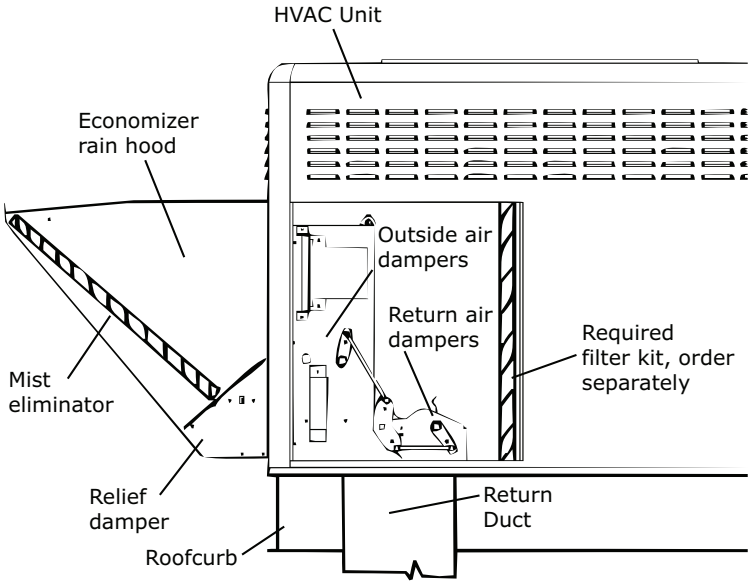


	SERVICE CLEARANCE DIMENSIONS			
	A	**B**	**C**	**D**
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

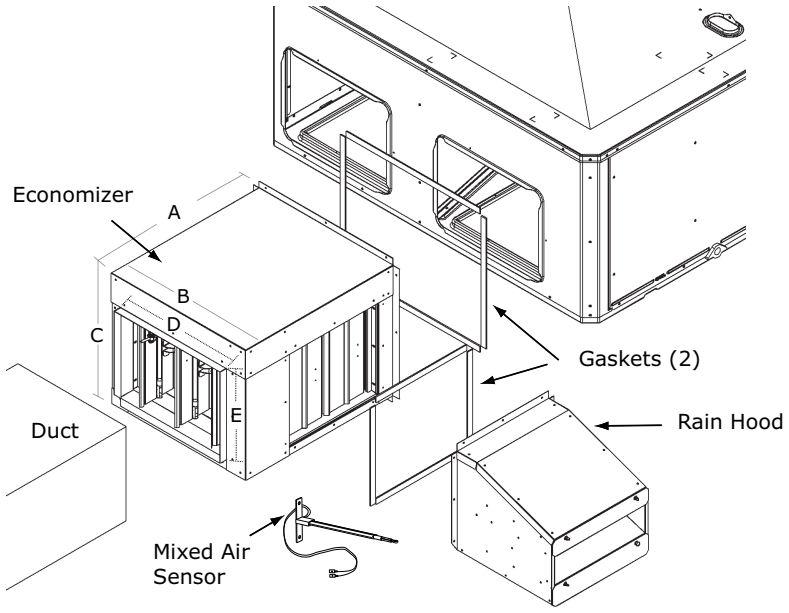
Optional Equipment — Economizer

Table 4. BAYECON105,106A Down Discharge Economizer and Rain Hood (Mounts Over Horizontal Return Air Opening)



Economizer	Unit Application Models
BAYECON105A	2.0 — 3.0 Ton Models
BAYECON106A	3.5 — 5.0 Ton Models

Table 5. BAYCON205, 206A Horizontal Economizer and Rain Hood

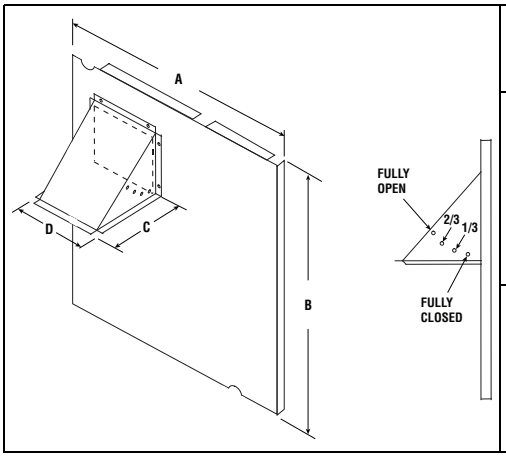


Economizer	Models	A	B	C	D	E	F
BAYECON205A	2.0 — 3.0 Ton	22″	20″	16–7/8″	15–11/16″	11–11/16″	15″
BAYECON206A	3.5 — 5.0 Ton	26″	22–21/32″	19″	17–11/16″	14–11/16″	21–3/8″

Note: *The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.*

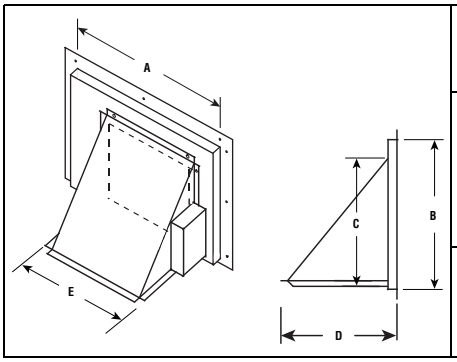
Optional Equipment — Outside Air Damper

Table 6. BAYOSAH001 and 002A Outside Air Damper (Replaces Filter/Coil Access Panel



Manual Fresh Air Model	Unit Application Models	A	B	C	D
BAYOSAH001A	2.0 — 3.0 Ton	22–7/16″	20–11/16″	12–3/8″	9–3/16″
BAYOSAH002A	3.5 — 5.0 Ton	25–3/16″	20–11/16″	12–3/8″	9–3/16″

Table 7. BAYDMPR101 and 102A, 25% Motorized Outside Air Damper (Mounts Over Horizontal Return Air Opening)



Manual Fresh Air Model	Unit Application Models	A	B	C	D	E
BAYDM-PR101A	2.0 — 3.0 Ton	15–13/16″	11–13/16″	10–1/4″	11–1/2″	12–1/4″
BAYDM-PR102A	3.5 — 5.0 Ton	18–3/16″	15–1/8″	10–1/4″	11–1/2″	12–1/4″

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Optional Equipment — Filter Rack

Figure 11. BAYFLTR101 Filter Rack (2.0 – 3.0 Ton Models)
BAYFLTR201 (3.5 – 5.0 Ton Models)
(Mounts in Filter/Coil Section)

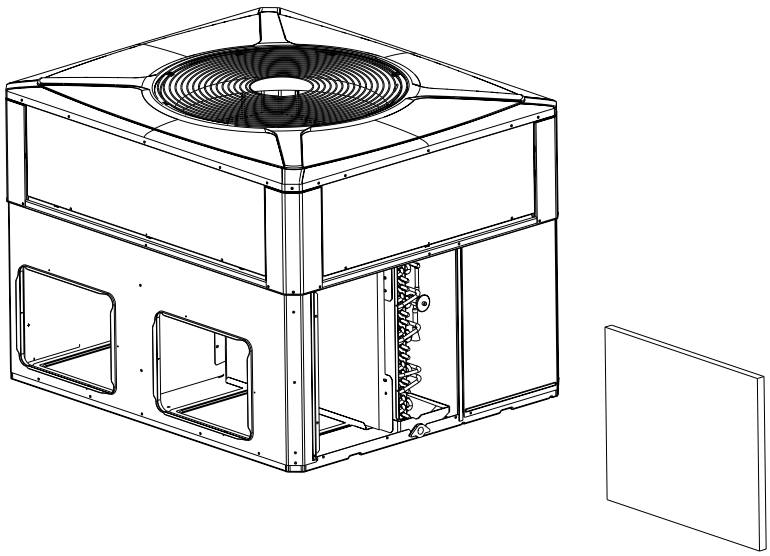
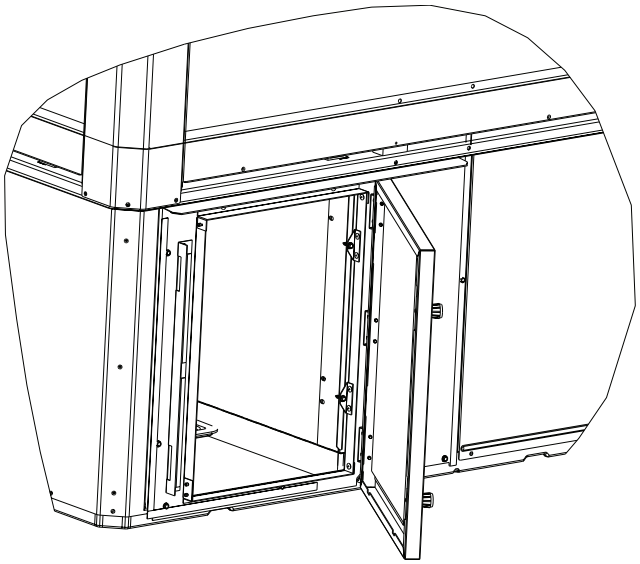


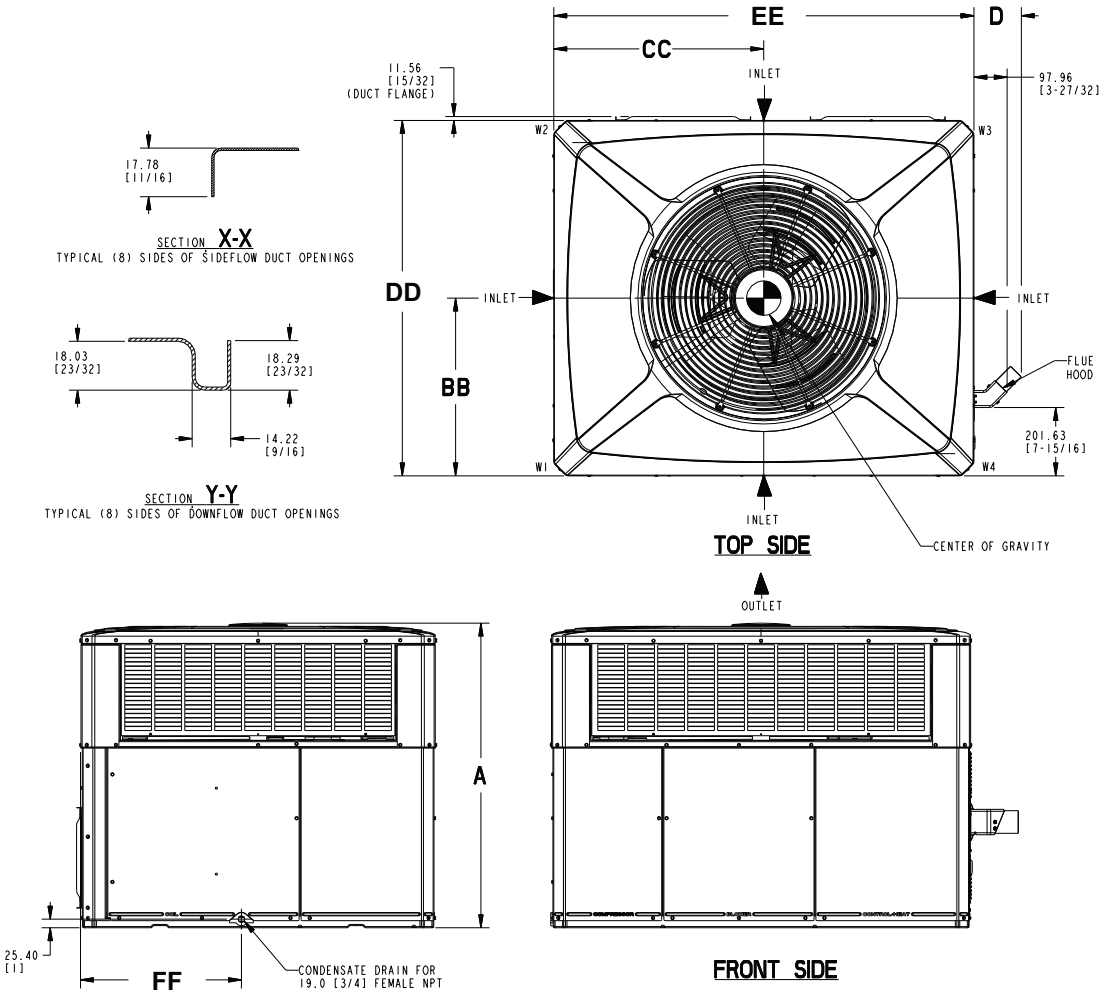
Figure 12. BAYACCDOR1A Hinged Filter Access Door (2.0 – 3.0 Ton Models)
BAYACCDOR2A (3.5 – 5.0 Ton Models)
Replaces Filter/Coil Access Panel



Note: *The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.*

Determine Unit Clearances

Figure 13. Space on Sides Requirements

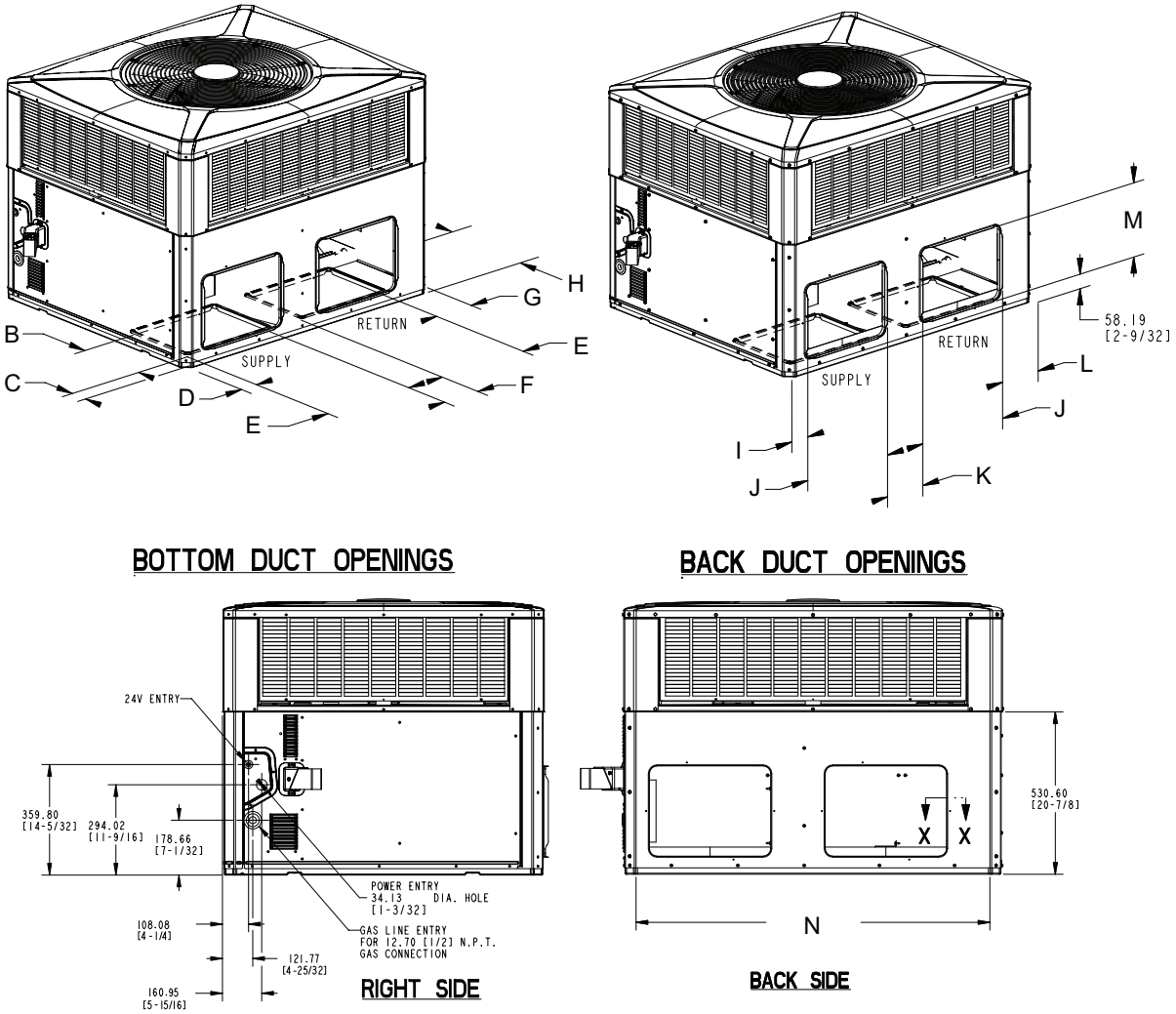


	2 - 3 TON Units		3.5 - 5 TON Units	
	RECOMMENDED SERVICE CLEARANCE mm [Inches]			
		W/ ECONOMIZER		W/ ECONOMIZER
BACK SIDE	305 [12]	762 [30]	305 [12]	762 [30]
LEFT SIDE	762 [30]	914 [36]	914 [36]	1067 [42]
RIGHT SIDE	914.4 [36]	-	914.4 [36]	-
FRONT SIDE	1067 [42]	-	1066.8 [42]	-
	CLEARANCE TO COMBUSTIBLE MATERIAL mm [Inches]			
BOTTOM	0		0	
BACK SIDE	25 [1]		25 [1]	
LEFT SIDE	152 [6]		152 [6]	
RIGHT SIDE	304.8 [12]		305 [12]	
FRONT SIDE	305 [12]		305 [12]	
TOP	914 [36]		914 [36]	
	DIMENSIONS mm [Inches]			
A	HEIGHT OF UNIT - TABLE NEXT PAGE			
BB	CENTER OF GRAVITY - TABLE NEXT PAGE			
CC	CENTER OF GRAVITY - TABLE NEXT PAGE			
DD* - Depth	1095 [43-1/8]		1173.99 [46-7/32]	
EE* - Width	1284.99 [50-19/32]		1535.94 [60-15/32]	
FF*	498.9 [19-5/8]		577.09 [22-23/32]	

* Subtract 50.8 [2] for 3 phase models due to metal louvers.

Note: The view labeled "Bottom side" represents the base as viewed looking up from underneath the unit.

Figure 14. Bottom and Back Duct Openings



		PHYSICAL DIMENSIONS mm[In]											
	HEIGHT-A mm[inch]	B	C	D	E	F	G	H	I	J	K	L	M	N
5YCC4024	898.53 [35-3/8]	304.80 [12]	75.41 [2.93]	75.41 [2.93]	406.40 [16]	167.89 [6.61]	173.46 [6-27/32]	304.80 [12]	79.50 [3.13]	398.22 [15.68]	176.07 [6.93]	177.55 [6.99]	296.62 [11.68]	1155.45 [45.49]
5YCC4030	949.33 [37-3/8]													
5YCC4036														
5YCC4042	898.53 [35-3/8]	457.20 [18]	75.41 [2.97]	75.41 [2.97]	381.00 [15]	244.09 [9.61]	318.75 [12.55]	381.00 [15]	79.50 [3.13]	449.02 [17.68]	176.07 [6.93]	322.84 [12.71]	372.82 [14.68]	1402.34 [55.21]
5YCC4048	1000.13 [35-3/8]													
5YCC4060														

	Corner Weights KG/LBS				SHIPPING WEIGHT KG/LBS	UNIT WEIGHT KG/LBS	Center Of Gravity mm[inch]	
	W1	W2	W3	W4			BB	CC
5YCC4024*1	60.3 [133]	36.8 [81]	26.1 [58]	41.0 [90]	197.8 [436]	164.2 [362]	479 [18.9]	527.8 [20.8]
5YCC4030*1	63.5 [140]	38.7 [85]	27.5 [61]	43.1 [95]	206.4 [455]	172.8 [381]	406.5 [16]	594.1 [23.4]
5YCC4036*1 (070)	63.3 [140]	38.3 [84]	27.1 [60]	43.2 [95]	200.9 [443]	171.9 [379]	414.3 [16.3]	697.6 [27.5]
5YCC4036*1 (090)	63.8 [141]	38.9 [86]	27.7 [61]	43.7 [66]	207.7 [458]	174.2 [384]	414.3 [16.3]	697.6 [27.5]
5YCC4042*1 (060)	62.2 [137]	46.6 [103]	34.6 [76]	53.1 [117]	253.2 [558]	206.5 [455]	470.0 [18.5]	731.0 [28.8]
5YCC4042*1 (090)	72.8 [160]	47.2 [104]	35.2 [78]	53.6 [118]	256.0 [564]	208.8 [460]	470.0 [18.5]	731.0 [28.8]
5YCC4048*1 (070)	74.5 [164]	44.6 [98]	33.2 [73]	53.9 [119]	253.3 [559]	206.2 [455]	433.0 [17.0]	743.3 [29.3]
5YCC4048*1 (090)	75.2 [164]	45.0 [99]	33.8 [78]	54.4 [120]	255.6 [564]	208.4 [460]	433.0 [17.0]	743.3 [29.3]
5YCC4060*1 (090)	78.7 [174]	45.8 [101]	34.4 [76]	58.3 [128]	264.4 [583]	217.2 [479]	433.0 [17.0]	743.3 [29.3]
5YCC4060*1 (115)	79.7 [176]	46.3 [102]	34.9 [77]	59.0 [130]	267.1 [589]	219.9 [485]	414.0 [16.3]	635.0 [25.0]
5YCC4036*3 (070)	62.7 [138]	38.3 [84]	27.1 [60]	43.2 [95]	200.3 [442]	171.3 [378]	414.3 [16.3]	697.6 [27.5]
5YCC4036*3 (090)	63.3 [140]	38.9 [86]	27.7 [61]	43.7 [96]	207.1 [457]	173.6 [383]	414.3 [16.3]	697.6 [27.5]
5YCC4048*3 (070)	71.7 [158]	44.6 [98]	33.2 [73]	53.9 [119]	250.6 [553]	203.4 [449]	433.0 [17.0]	743.3 [29.3]
5YCC4048*3 (090)	72.5 [160]	45.0 [99]	33.8 [78]	54.4 [120]	252.9 [558]	205.7 [454]	433.0 [17.0]	743.3 [29.3]
5YCC4060*3 (115)	77.0 [170]	46.3 [102]	34.9 [77]	59.0 [130]	264.4 [583]	217.2 [479]	414.0 [16.3]	635.0 [25.0]

Mechanical Specifications

General

The units shall be horizontal airflow as shipped and convertible to downflow.

All units shall be factory assembled, piped, internally wired and fully charged with refrigerant. Units shall be certified to UL Standard 1995. Units shall be designed to operate at ambient temperatures as high as 115°F. Cooling performance shall be rated in accordance with AHRI standards. The YC heating/cooling unit design is certified to ANSI 221.47/CSA 2.3, specifically for outdoor applications using natural gas or propane. All units shall be designed for outdoor rooftop or ground level installation.

Unit Casing

All components shall be mounted in a weather-resistant steel cabinet with an enamel finish. Access panels shall be provided for unit controls and indoor coil and fans. Indoor air section compartment shall be completely insulated with fireproof, permanent, odorless fiber material. Knockouts shall be provided for utility and control connections. Drain connections shall be provided to accommodate indoor water runoff.

Compressor

The compressor shall be hermetically sealed, high efficiency scroll compressors. Internal overcurrent and over temperature protection, internal pressure relief shall be standard. Other features include centrifugal oil pump, low vibration and noise.

Refrigeration System

All units shall have refrigerant control. Service pressure tap ports and a refrigerant line filter shall be standard.

Evaporator Coil (2—4 Ton Models) All aluminum micro channel, extruded tubes, mechanically bonded to aluminum fins, and factory pressure tested at 480 PSIG and leak tested at 250 to 300 PSIG. All units have TXV to control refrigerant flow.

Evaporator Coil (5 Ton Model) Internally enhanced 3/8" OD seamless copper tubing mechanically bonded to aluminum fins, factory pressure tested at 480 PSIG and leak tested at 250 to 300 PSIG. All units have TXV to control refrigerant flow.

Condenser Coil

The Spine Fin ™ condenser coil shall be continuously wrapped, corrosion resistant all aluminum with minimum brazed joints. This coil is 3/8" OD seamless aluminum tubing 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.

Indoor Air Fan

Constant Torgue, forward-curved, centrifugal wheel in a Composite Vortica ® Blower housing. Motor shall have thermal overload protection and permanently lubricated motor bearings. Motor/blower assembly isolated from unit with rubber mounts.

Outdoor Fan

One direct-drive, statically and dynamically balanced propeller fan shall be used in a draw-through vertical discharge configuration. Permanently lubricated weather proof motor shall have built-in thermal overload protection.

System Controls

System controls include condenser fan, evaporator fan and compressor contactors.

Accessories Roof Curb

The roof curb shall be designed to mate with the unit and provide support and complete weathertight installation when properly installed. Adhesive back polyurethane sealing strips shall be provided to ensure an airtight seal between supply and return openings of the curb and unit. The roof curb design allows field fabricated ductwork to be connected directly to the curb. Curb ships knocked down for field assembly, and includes factory installed wood nailer strips.

Heating System
Gas-Fired Heating Section

Models shall provide completely assembled, wired and piped gas fired heating systems within unit. Design certified by UL, specifically for outdoor application. Threaded gas connection on the unit.

Electric Ignition System

Main burner is lit each time thermostat calls for heat. Flame sensor proves flame and keeps the main burner on. Should a loss of flame occur, the main valve closes and the spark recurs within 0.8 seconds. When thermostat is satisfied, main burner is extinquished.

Forced Combustion Blower

Insures flame stability under varying wind conditions. Gives higher combustion efficiency and location flexibility.

Heat Exchanger

Stainless steel tubes. Free floating design.

Burners

Stainless steel. Multi-port inshot.

Single Source Power Entry

This accessory when used with electric heat accessory shall allow single source power connection to unit and heater combination. Single source power entry kits shall have specific matching heater(s). Kit shall include high voltage terminal blocks, fuse blocks and fuses, cut-to-length interconnecting wiring, and junction box (if required) to provide power sources with fuse protection as required for both the unit and accessory heater. Kit components shall install within the heater cabinet in the heater access section. Single source branch power circuit shall be protected and wired in accordance with local codes.

Fully Modulating Economizer

This accessory shall be field installed and be composed of the following items: 0–100 % fresh air damper, damper drive motor, fixed dry bulb enthalpy control, and low voltage pigtails for electrical connections. Solid state enthalpy or differential enthalpy control is optional. Economizer operations shall be controlled by the preset position of the enthalpy control. A barometric relief damper shall be standard with the economizer and provide a pressure operated damper that shall be gravity closing and prohibit entrance of outside air on equipment "off" cycle. Economizer requires BAYRLAY004B relay kit to interface the economizer to the heat pump.

Manual Outside Air Dampers

Rain hood and screen shall be field installed. Suitable for up to 25% outside air.

Start Kit

Extra compressor starting capacity for single phase equipment.

Control Options
Standard Indoor Thermostats

Two stage heating/cooling or one stage heating/cooling thermostats shall be available in either manual or automatic changeover.

Programmable Electronic Night Setting Thermostat

Programmable electronic thermostat shall provide heating setback and cooling setup with 7–day programming capability. 1H/1C or 2H/2C models available.

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