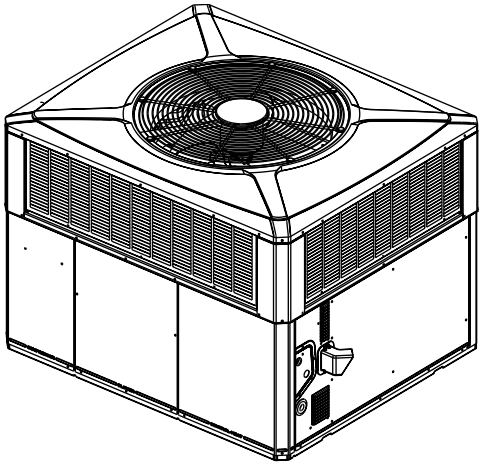
Product Data

Single Packaged Convertible Gas/Electric 14 SEER 2–5 Ton

4YCC4024A1060A
4YCC4030A1070A
4YCC4036A1070A
4YCC4036A1090A
4YCC4042A1060A
4YCC4042A1090A
4YCC4048A1070A
4YCC4048A1090A
4YCC4060A1090A
4YCC4060A1115A



December 2014

22-1901-1B-EN

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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 (4*CC4024–036) (4*CY4024–4036)	BAYCCDOR1A [ ]
Hinged Filter Access Door (4*CC4042–060) (4*CY4042–4060)	BAYCCDOR2A [ ]
Roof Curb Full Perimeter (4*CC024–036A) (4*CY4024–4036)	BAYCURB050A [ ]
Roof Curb Full Perimeter (4*CC042–060A) (4*CY4042–4060)	BAYCURB051A [ ]
Roof Curb Utility Extension Kit (BAYCURB050A)	BAYUTIL101B [ ]
Roof Curb Utility Extension Kit (BAYCURB051A)	BAYUTIL101B [ ]
0–25% Manual Fresh Air Damper (4*CC4024–36A) (4*CY4024–4036)[a]	BAYOSAH001A [ ]
0–25% Manual Fresh Air Damper (4*CC4042–60A) (4*CY4042–4060)[a]	BAYOSAH002A [ ]
Motorized Fresh Air Damper (4*CC4024–036A) (4*CY4024–4036)[a]	BAYDMPR101A [ ]
Motorized Fresh Air Damper (4*CC4042–060A) (4*CY4042–4060)[a]	BAYDMPR102A [ ]
16″ Round Duct Adapter (2 per box) (4*CC4024–036A) (4*CY4024–4036)[b]	BAYSQRD001A [ ]
18″ Round Duct Adapter (2 per box) (4*CC4024–060A) (4*CY4024–4036)[b]	BAYSQRD002A [ ]
0–100% Mod Economizer w/Baro. Relief (4*CC4024–036A) (4*CY4024–4036)[a] [c] [d]	BAYECON101B [ ]
0–100% Mod Economizer w/Baro. Relief (4*CC4042–060A) (4*CY4042–4060)[a] [d]	BAYECON102B [ ]
0–100% Horizontal Economizer (4*CC4024–36A) (4*CY4024–4036)[a]	BAYECON200B [ ]
0–100% Horizontal Economizer (4*CC4042–60A) (4*CY4042–4060)[a]	BAYECON201B [ ]
Enthalpy Control for Economizer (ALL-BAYECON)	BAYEENTH001A [ ]
Remote Potentiometer (ALL-BAYECON)	BAYSTAT023 [ ]
1″—2″ Filter Frame (4*CC4024–036A) (4*CY4024–4036) (18 x 25 filter not included)	BAYFLTR101C [ ]
1″—2″ Filter Frame (4*CC4042–060A) (4*CY4042–4060) (two 18 x 20 filters not included)	BAYFLTR201C [ ]
Head Pressure Control (Low Ambient Cool) (208/240v) Kit	BAYLOAM105A [ ]
Quick Start Kit (4WCC4–A1)(4TCC4–A1)	BAYQSKT300A [ ]
Quick Start Kit (4YCC4–A1)	BAYQSKT301A [ ]
Crankcase Heater Scroll (4*CC4024–036) (4*CY4024–4036) (230v)	BAYCCHT103A [ ]
Crankcase Heater Scroll (4*CC4042–060) (4*CY4042–4060) (230v)	BAYCCHT102A [ ]
Crankcase Heater Scroll (4*CC4024–036) (4*CY4024–4036) (230v)	BAYCCHT301A [ ]
Crankcase Heater Scroll (4*CC4042–060) (4*CY4042–4060) (230v)	BAYCCHT302A [ ]
Adapter Curb (4*CC4024–36A) (4*CY4024–4036A) to BAYCURB030,38	BAYADAP050A [ ]
Adapter Curb (4*CC4024–36A) (4*CY4024–4036A) to BAYCURB033	BAYADAP051A [ ]
Adapter Curb (4*CC4042–60A) (4*CY4042–4060A) to BAYCURB030,38	BAYADAP052A [ ]
Adapter Curb (4*CC4042–60A) (4*CY4042–4060A) to BAYCURB033	BAYADAP053A [ ]
Adapter Curb (4*CC4042–60A) (4*CY4042–4060A) to BAYCURB034	BAYADAP054A [ ]
12″ Duct Shroud Covers Horizontal (4*CC4024–060A) (4*CY4024–4060A)	BAYCOVR112A [ ]
18″ Duct Shroud Covers Horizontal (4*CC4024–060A) (4*CY4042–4060A)	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)	BAYLPKT100A [ ]
LP Conversion Kit (All 60K and 90K Models)	BAYLPKT101A [ ]
LP Conversion Kit (All 70K Models)	BAYLPKT102A [ ]
SUPPLEMENTARY HEATERS (1 PHASE) * = T or W Only	
3.76/5.0 KW Heater (208/240V 1 PH) (4*CC4024–060A1)	BAYHTRV105F [ ]
6.0/8.0 KW Heater (208/240V 1 PH) (4*CC4024–060A1)	BAYHTRV108F [ ]
7.50/10.0 KW Heater (208/240V 1 PH) (4*CC4024–060A1)	BAYHTRV110F [ ]
11.27/15.0 KW Heater (208/240V 1 PH) (4*CC4030–060A1)	BAYHTRV115F [ ]
15.0/20.0 KW Heater (208/240V 1 PH) (4*CC4048–060A1)	BAYHTRV120F [ ]
18.78/25.0 KW Heater (208/240V 1 PH) (4*CC40060A1)	BAYHTRV125F [ ]

SUPPLEMENTARY HEATERS (3 PHASE) * = T or W Only	
3.76/5.0 KW Heater (208/240V 3 PH) (4WCY4036–060A3)	BAYHTRV305F [ ]
3.76/5.0 KW Heater (208/240V 3 PH) (4WCY4036–060A3)	BAYHTRV308F [ ]
7.50/10.0 KW Heater (208/240V 3 PH) (4WCY4024–048A3)	BAYHTRV310F [ ]
11.27/15.0 KW Heater (208/240V 3 PH) (4WCY4036–060A3)	BAYHTRV315F [ ]
15.0/20.0 KW Heater (208/240V 3 PH) (4WCY4048–060A3)	BAYHTRV320F [ ]
18.78/25.0 KW Heater (208/240V 3 PH) (4WCY4048–060A1)	BAYHTRV325F [ ]
Single Power Entry Kit (e)	BAYSPEK060F [ ]
Single Power Entry Kit (e)	BAYSPEK061E [ ]
Single Power Entry Kit (e)	BAYSPEK062F [ ]
Single Power Entry Kit (e)	BAYSPEK063F [ ]
Single Power Entry Kit (e)	BAYSPEK064E [ ]
Single Power Entry Kit (e)	BAYSPEK065E [ ]

(a) Must use internal filter frame when economizer or fresh air kit is used.
(b) It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
(c) Dry bulb control standard with economizer.
(d) Downflow only.
(e) Must be selected per unit and heater model

Product Specifications

MODEL	4YCC4024A1060A	4YCC4030A1070A	4YCC4036A1070A	4YCC4036A1090A
RATED Volts/PH/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
Performance Cooling BTUH [a]	24600	28200	37000	37000
Indoor Airflow (CFM)	805	870	1190	1190
Power Input (KW)	1.99	2.39	3.08	3.08
EER/SEER (BTU/Watt-Hr.)	12.0 / 14.00	12.0 / 14.00	12.0 / 14.00	12.0 / 14.00
Sound Power Rating [dB(A)] [b]	66.6	70.0	69.3	69.3
PERFORMANCE HEATING[c]				
Input BTUH-1st Stage (Natural Gas) [d]	60000	70000	70000	90000
AFUE	81	81	81	81
Temp. Rise — Min/Max (°F)	30 / 60	30 / 60	30 / 60	35 / 65
Orifice Qty/Drill Sz. (Natural Gas)	2 / #37	2 / #33	2 / #33	3 / #37
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]	19.1	22.6	24.5	24.5
Fuse Size — Max. (amps)	30	35	40	40
Fuse Size — Recmd. (amps)	30	35	40	40
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	12.8 / 58.3	14.1 / 73.0	15.4 / 83.9	15.4 / 83.9
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.)	13.32	13.32	15.49	15.49
Tube Size (in.)	3/8	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	MCHE	MCHE	MCHE
Rows/F.P.I	2 / 16	2 / 16	2 / 16	2 / 16
Face Area (sq. ft.)	2.7	2.7	2.7	2.7
Tube Size Width (in.)	.81	.81	1″	1″
Refrigeration Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	SWEPT	SWEPT	SWEPT	SWEPT
DIA. (IN.)	23.4	23.4	23.4	23.4
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. [f]	2350	2800	3080	3080
Motor — HP/R.P.M	1/12 / 810	1/6/ 825	1 / 5 / 825	1 / 5 / 825
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	.54 / .82	.85 / 1.65	1.1 / 2.0	1.1 / 2.0
INDOOR FAN — TYPE	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM	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
Drive/No. Speeds	DIRECT–3	DIRECT–3	DIRECT–3	DIRECT–3
CFM @ 0.0 in. w.g. [g]	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	1/3 / 1050	1/2 / 1050	1/2 / 1050	1/2 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	2.6	4.1	4.1	4.1
COMBUSTION FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1

MODEL	4YCC4024A1060A	4YCC4030A1070A	4YCC4036A1070A	4YCC4036A1090A
Motor — HP/R.P.M.	1/34 / 3350	1/34 / 3290	1/34 / 3290	1/34 / 3075
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60
FLA	.20	.20	.20	.24
FILTER / FURNISHED	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft) (h)	4.0	4.0	4.0	4.0
REFRIGERANT	R-410	R-410	R-410	R-410
Charge (lbs.)	5.24	6.94	7.2	7.2
CHARGING SPECIFICATIONS				
Subcooling	12°	11°	11°	11°
GAS PIPE SIZE (in.)	1/2	1/2	1/2	1/2
DIMENSIONS	H X D X W	H X D X W	H X D X W	H X D X W
Crated (in.)	46 X 45 X 52	46 X 45 X 52	48 X 45 X 52	48 X 45 X 52
WEIGHT				
Shipping (lbs.) / Net (lbs.)	432 / 358	451 / 377	438 / 374	453 / 379

(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	4YCC4042A1060A	4YCC4042A1090A	4YCC4048A1070A
RATED Volts/PH/Hz	208–230/1/60	208–230/1/60	208–230/1/60
Performance Cooling BTUH (a)	40500	40500	46500
Indoor Airflow (CFM)	1450	1450	1600
Power Input (KW)	3.4	3.4	4.06
EER/SEER (BTU/Watt-Hr.)	12.0 / 14.00	12.0 / 14.00	11.50 / 14.00
Sound Power Rating [dB(A)] (b)	74.6	74.6	72.5
PERFORMANCE HEATING(c)			
Input BTUH-1st Stage (Natural Gas) (d)	60000	90000	70000
AFUE	81	81	81
Temp. Rise — Min/Max (°F)	30 / 60	35 / 65	30 / 60
Orifice Qty/Drill Sz. (Natural Gas)	2 / #37	3 / #37	2 / #33
POWER CONN. — V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
Min. Brch. Cir. Ampacity (e)	28.5	28.5	32.0
Fuse Size — Max. (amps)	45	45	50
Fuse Size — Recmd. (amps)	45	45	50
COMPRESSOR	SCROLL	SCROLL	SCROLL
VOLTS/PH/HZ	208–230/1/60	208–230/1/60	208–230/1/60
R.L. Amps — L.R. Amps	16.7 / 109.0	16.7 / 109.0	19.6 / 130.0
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	15.63	15.63	20.54
Tube Size (in.)	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	MCHE	MCHE
Rows/F.P.I	2 / 16	2 / 16	2 / 16

Product Specifications

MODEL	4YCC4042A1060A	4YCC4042A1090A	4YCC4048A1070A
Face Area (sq. ft.)	3.9	3.9	3.9
Tube Size Width (in.)	.81	.81	.81
Refrigeration Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	SWEPT	SWEPT	SWEPT
DIA. (IN.)	28.25	28.25	28.25
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. (f)	3400	3400	4800
Motor — HP/R.P.M	1/4 / 825	1/4 / 825	1/4 / 825
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230 / 1 / 60
F.L. Amps/L.R Amps	1.51 / 3.07	1.51 / 3.07	1.51 / 3.07
INDOOR FAN — TYPE	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM
Dia. x Width (in.)	10.62 X 10.62	10.62 X 10.62	10.62 X 10.62
Drive/No. Speeds	DIRECT / 3	DIRECT / 3	DIRECT / 3
CFM @ 0.0 in. w.g. (g)	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	3/4 / 1050	3/4 / 1050	3/4 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	6	6	6
COMBUSTION FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor — HP/R.P.M.	1/34 / 3345	1/34 / 3075	1/34 / 3290
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60
FLA	.20	.24	.20
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft) (h)	5.3	5.3	5.3
REFRIGERANT	R-410	R-410	R-410
Charge (lbs.)	7.3	7.3	7.5
CHARGING SPECIFICATIONS			
Subcooling	10°	10°	10°
GAS PIPE SIZE (in.)	1/2	1/2	1/2
DIMENSIONS	H X D X W	H X D X W	H X D X W
Crated (in.)	46 X 47 X 62	46 X 47 X 62	50 X 47 X 62
WEIGHT			
Shipping (lbs.) / Net (lbs.)	555/ 452	561 / 457	552 / 448

(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	4YCC4048A1090A	4YCC4060A1090A	4YCC4060A1115A
RATED Volts/PH/Hz	208–230/1/60	208–230/1/60	208–230/1/60
Performance Cooling BTUH (a)	46500	58000	58000
Indoor Airflow (CFM)	1600	1760	1760
Power Input (KW)	4.09	4.94	4.94

MODEL	4YCC4048A1090A	4YCC4060A1090A	4YCC4060A1115A
EER/SEER (BTU/Watt-Hr.)	11.50 / 14.00	11.50 / 14.00	11.50 / 14.00
Sound Power Rating [dB(A)] (b)	72.5	73.1	73.1
PERFORMANCE HEATING(c)			
Input BTUH-1st Stage (Natural Gas) (d)	90000	90000	115000
AFUE	81	81	81
Temp. Rise — Min/Max (°F)	35 / 65	30 / 60	30/ 60
Orifice Qty/Drill Sz. (Natural Gas)	3 / #37	3 / #37	3 / #33
POWER CONN. — V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
Min. Brch. Cir. Ampacity (e)	32.0	39.1	39.1
Fuse Size — Max. (amps)	50	60	60
Fuse Size — Recmd. (amps)	50	60	60
COMPRESSOR	SCROLL	SCROLL	SCROLL
VOLTS/PH/HZ	208–230/1/60	208–230/1/60	208–230/1/60
R.L. Amps — L.R. Amps	19.6 / 130.0	24.4 / 144.2	24.4 / 144.2
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	20.54	22.99	22.99
Tube Size (in.)	3/8	3/8	3/8
INDOOR COIL — TYPE	MCHE	PLATE FIN	PLATE FIN
Rows/F.P.I	2 / 16	4/ 15	4 / 15
Face Area (sq. ft.)	3.9	5.0	5.0
Tube Size Width (in.)	.81	3/8	3/8
Refrigeration Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	SWEPT	SWEPT	SWEPT
DIA. (IN.)	28.25	28.25	28.25
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. (f)	4800	4800	4800
Motor — HP/R.P.M	1/4 / 825	1/3/ 825	1/3/ 825
Volts/Ph/Hz	208–230 / 1 / 60	208–230/1/60	208–230 / 1 / 60
F.L. Amps/L.R Amps	1.51 / 3.07	1.7 / 3.5	1.7 / 3.5
INDOOR FAN — TYPE	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM	CONSTANT TORQUE ECM
Dia. x Width (in.)	10.62 X 10.62	11.87 X 10.68	11.87 X 10.68
Drive/No. Speeds	DIRECT / 3	DIRECT / 3	DIRECT / 3
CFM @ 0.0 in. w.g. (g)	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	3/4 / 1050	1 / 1050	1 / 1050
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	6	6.9	6.9
COMBUSTION FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor — HP/R.P.M.	1/34 / 3075	1/34 / 3075	1/34 / 3055
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60
FLA	.24	.24	.25
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft) (h)	5.3	5.3	5.3
REFRIGERANT	R-410	R-410	R-410

Product Specifications

MODEL	4YCC4048A1090A	4YCC4060A1090A	4YCC4060A1115A
Charge (lbs.)	7.5	9.65	9.65
CHARGING SPECIFICATIONS			
Subcooling	10°	11°	11°
GAS PIPE SIZE (in.)	1/2	1/2	1/2
DIMENSIONS	H X D X W	H X D X W	H X D X W
Crated (in.)	50 X 47 X 62	50 X 47 X 62	50 X 47 X 62
WEIGHT			
Shipping (lbs.) / Net (lbs.)	557 / 453	580 / 476	586 / 482

(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

Table 1. Horizontal Airflow

4YCC4024A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1123	1059	994	943	889	—	—	—	—	—	—
	WATTS	143	152	160	167	175	—	—	—	—	—	—
HEAT — HIGH	CFM	—	—	1122	1069	1022	974	922	871	809	—	—
	WATTS	—	—	213	221	229	238	245	253	261	—	—
COOLING — LOW	CFM	873	811	754	690	614	537	482	441	390	—	—
	WATTS	84	91	98	105	113	119	123	126	132	—	—
COOLING — MED	CFM	954	900	846	794	729	650	588	535	488	-	-
	WATTS	107	114	121	128	138	147	152	157	161	—	—
COOLING — HIGH	CFM	1041	993	938	890	836	777	707	644	594	-	-
	WATTS	135	142	150	158	167	175	185	191	196	-	-

Table 2. Down Airflow

4YCC4024A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1123	1059	994	943	889	-	-	-	-	-	-
	WATTS	143	152	160	167	175	-	-	-	-	-	-
HEAT — HIGH	CFM	1240	1184	1122	1069	1022	974	922	871	-	-	-
	WATTS	193	202	213	221	229	238	245	253	-	-	-
COOLING — LOW	CFM	865	803	746	683	608	532	478	436	386	-	-
	WATTS	85	92	98	106	114	119	123	127	133	-	-
COOLING — MED	CFM	945	891	838	786	722	643	582	530	483	-	-
	WATTS	108	115	122	129	138	148	153	158	162	-	-
COOLING — HIGH	CFM	1031	983	929	881	828	769	700	637	588	-	-
	WATTS	136	143	151	159	167	176	186	192	197	-	-

Table 3. Horizontal Airflow

4YCC4030A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1148	1103	1061	1022	982	932	-	-	-	-	-
	WATTS	199	208	216	224	233	243	-	-	-	-	-
HEAT — HIGH	CFM	-	-	-	1158	1122	1084	1039	988	-	-	-
	WATTS	-	-	-	301	310	320	331	343	-	-	-
COOLING — LOW	CFM	1051	994	939	889	840	775	708	642	582	-	-
	WATTS	126	134	142	150	158	167	176	184	188	-	-
COOLING — MED	CFM	1156	1107	1054	1009	965	919	862	799	732	-	-
	WATTS	166	175	184	192	200	209	219	230	239	-	-
COOLING — HIGH	CFM	1278	1236	1187	1141	1099	1059	1017	968	-	-	-
	WATTS	221	230	240	250	259	268	278	289	-	-	-

Table 4. Down Airflow

4YCC4030A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1136	1091	1050	1012	972	922	-	-	-	-	-
	WATTS	197	205	214	222	230	241	-	-	-	-	-
HEAT — HIGH	CFM	-	-	-	1147	1111	1073	1028	978	-	-	-
	WATTS	-	-	-	298	307	317	328	339	-	-	-

Indoor Fan Performance

Table 4. Down Airflow (continued)

COOLING — LOW	CFM	1041	984	930	880	831	768	701	635	576	-	-
	WATTS	126	135	143	150	158	168	177	184	189	-	-
COOLING — MED	CFM	1144	1096	1044	999	956	910	853	791	724	-	-
	WATTS	167	176	185	193	201	210	220	231	240	-	-
COOLING — HIGH	CFM	1266	1224	1175	1129	1088	1048	1007	959	-	-	-
	WATTS	222	231	241	251	260	270	279	290	-	-	-

Table 5. Horizontal Airflow

4YCC4036A1070A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1185	1141	1099	1055	1009	968	920	854	808	731	624
	WATTS	241	251	260	270	279	289	299	311	320	306	284
HEAT — HIGH	CFM	1386	1354	1311	1276	1238	1198	1164	1069	805	689	596
	WATTS	386	399	409	419	430	441	452	432	320	303	298
COOLING — LOW	CFM	1131	1092	1058	1022	983	942	899	857	804	-	-
	WATTS	247	254	262	269	277	285	291	300	311	-	-
COOLING — MED	CFM	1256	1223	1193	1167	1136	1101	1065	1026	955	-	-
	WATTS	339	350	358	366	374	383	391	399	386	-	-
COOLING — HIGH	CFM	1402	1372	1344	1316	1289	1241	1144	1025	-	-	-
	WATTS	471	479	488	497	506	499	454	406	-	-	-
4YCC4036A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1362	1330	1301	1272	1242	1210	1148	-	-	-	-
	WATTS	429	438	445	455	464	473	458	-	-	-	-
HEAT — HIGH	CFM	-	1366	1338	1310	1280	1234	1153	1038	888	-	-
	WATTS	-	474	483	491	501	495	463	413	357	-	-
COOLING — LOW	CFM	1131	1092	1058	1022	983	942	899	857	804	-	-
	WATTS	247	254	262	269	277	285	291	300	311	-	-
COOLING — MED	CFM	1256	1223	1193	1167	1136	1101	1065	1026	955	-	-
	WATTS	339	350	358	366	374	383	391	399	386	-	-
COOLING — HIGH	CFM	1402	1372	1344	1316	1289	1241	1144	1025	-	-	-
	WATTS	471	479	488	497	506	499	454	406	-	-	-

Table 6. Down Airflow

4YCC4036A1070A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1173	1130	1088	1044	999	958	911	846	800	724	618
	WATTS	238	248	258	267	277	286	296	308	316	303	282
HEAT — HIGH	CFM	1373	1340	1298	1263	1225	1186	1153	1058	797	682	590
	WATTS	382	395	405	415	425	437	448	428	317	300	295
COOLING — LOW	CFM	1124	1087	1053	1016	978	938	895	852	800	-	-
	WATTS	246	255	263	271	278	285	293	301	312	-	-
COOLING — MED	CFM	1249	1216	1185	1155	1122	1089	1054	1016	934	-	-
	WATTS	343	351	359	367	376	384	392	400	379	-	-
COOLING — HIGH	CFM	1390	1357	1329	1301	1273	1212	1125	1008	-	-	-
	WATTS	476	485	493	501	508	488	449	398	-	-	-
4YCC4036A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1350	1317	1289	1260	1231	1197	1134	-	-	-	-
	WATTS	432	441	449	456	465	475	453	-	-	-	-
HEAT — HIGH	CFM	-	1349	1319	1292	1264	1206	1118	1009	850	-	-
	WATTS	-	474	486	494	503	487	446	401	337	-	-

Table 6. Down Airflow (continued)

COOLING — LOW	CFM	1124	1087	1053	1016	978	938	895	852	800	-	-
	WATTS	246	255	263	271	278	285	293	301	312	-	-
COOLING — MED	CFM	1249	1216	1185	1155	1122	1089	1054	1016	934	-	-
	WATTS	343	351	359	367	376	384	392	400	379	-	-
COOLING — HIGH	CFM	1390	1357	1329	1301	1273	1212	1125	1008	-	-	-
	WATTS	476	485	493	501	508	488	449	398	-	-	-

Table 7. Horizontal Airflow

4YCC4042A1060A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1104	1042	977	911	841	764	687	598	-	-	-
	WATTS	109	116	124	134	142	152	161	171	-	-	-
HEAT — HIGH	CFM	-	1171	1112	1050	990	927	851	779	704	-	-
	WATTS	-	154	162	172	182	192	203	214	225	-	-
COOLING — LOW	CFM	1358	1393	1348	1296	1253	1204	1157	1096	1057	988	-
	WATTS	224	233	242	252	262	272	283	295	305	319	-
COOLING — MED	CFM	1521	1490	1448	1391	1362	1338	1315	1307	1254	1148	-
	WATTS	306	316	327	337	348	359	369	382	395	407	-
COOLING — HIGH	CFM	1659	1637	1604	1594	1529	1491	1467	1425	1385	1345	-
	WATTS	409	421	432	443	455	467	477	490	503	513	-
4YCC4042A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1419	1380	1341	1295	1249	1204	1160	1115	1069	1015	961
	WATTS	240	250	259	269	279	291	302	312	323	333	348
HEAT — HIGH	CFM	1559	1524	1483	1443	1401	1363	1319	1276	1233	1195	1147
	WATTS	313	324	335	346	356	367	379	392	403	415	428
COOLING — LOW	CFM	1358	1393	1348	1296	1253	1204	1157	1096	1057	988	-
	WATTS	224	233	242	252	262	272	283	295	305	319	-
COOLING — MED	CFM	1521	1490	1448	1391	1362	1338	1315	1307	1254	1148	-
	WATTS	306	316	327	337	348	359	369	382	395	407	-
COOLING — HIGH	CFM	1659	1637	1604	1594	1529	1491	1467	1425	1385	1345	-
	WATTS	409	421	432	443	455	467	477	490	503	513	-

Table 8. Down Airflow

4YCC4042A1060A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1109	1047	982	916	845	767	690	601	-	-	-
	WATTS	109	117	125	134	143	153	162	172	-	-	-
HEAT — HIGH	CFM	-	1177	1117	1055	995	931	856	783	707	-	-
	WATTS	-	155	163	173	182	193	204	215	226	-	-
COOLING — LOW	CFM	1345	1379	1334	1283	1241	1192	1145	1085	1046	979	-
	WATTS	228	238	247	257	267	278	289	301	312	325	-
COOLING — MED	CFM	1506	1475	1433	1377	1348	1325	1302	1293	1241	1136	-
	WATTS	312	322	333	344	354	366	377	389	403	415	-
COOLING — HIGH	CFM	1642	1621	1588	1578	1514	1476	1453	1411	1371	1331	-
	WATTS	417	430	441	452	464	477	487	499	513	523	-
4YCC4042A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1426	1387	1348	1301	1255	1210	1166	1120	1074	1020	966
	WATTS	241	251	260	270	281	292	303	314	325	335	349
HEAT — HIGH	CFM	1567	1531	1491	1450	1408	1370	1326	1282	1239	1201	1152
	WATTS	315	325	337	347	358	368	381	394	405	417	430

Table 8. Down Airflow (continued)

COOLING — LOW	CFM	1345	1379	1334	1283	1241	1192	1145	1085	1046	979	-
	WATTS	228	238	247	257	267	278	289	301	312	325	-
COOLING — MED	CFM	1506	1475	1433	1377	1348	1325	1302	1293	1241	1136	-
	WATTS	312	322	333	344	354	366	377	389	403	415	-
COOLING — HIGH	CFM	1642	1621	1588	1578	1514	1476	1453	1411	1371	1331	-
	WATTS	417	430	441	452	464	477	487	499	513	523	-

Table 9. Horizontal Airflow

4YCC4048A1070A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1120	1047	980	914	840	758	674	581	-	-	-
	WATTS	117	126	135	145	156	168	179	188	-	-	-
HEAT — HIGH	CFM	-	1204	1149	1095	1043	989	926	858	798	-	-
	WATTS	-	176	185	195	205	216	227	239	249	-	-
COOLING — LOW	CFM	1583	1542	1502	1460	1415	1371	1326	1282	1230	1181	-
	WATTS	302	313	324	332	345	353	368	376	394	406	-
COOLING — MED	CFM	1763	1723	1689	1648	1609	1568	1527	1488	1447	1404	-
	WATTS	414	426	436	448	459	471	483	495	510	524	-
COOLING — HIGH	CFM	1945	1910	1876	1839	1806	1769	1728	1688	1652	1545	-
	WATTS	553	566	577	590	601	613	631	643	647	611	-
4YCC4048A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1419	1380	1341	1295	1249	1204	1160	1115	1069	1015	961
	WATTS	240	250	259	269	279	291	302	312	323	333	348
HEAT — HIGH	CFM	1559	1524	1483	1443	1401	1363	1319	1276	1233	1195	1147
	WATTS	313	324	335	346	356	367	379	392	403	415	428
COOLING — LOW	CFM	1583	1542	1502	1460	1415	1371	1326	1282	1230	1181	-
	WATTS	302	313	324	332	345	353	368	376	394	406	-
COOLING — MED	CFM	1763	1723	1689	1648	1609	1568	1527	1488	1447	1404	-
	WATTS	414	426	436	448	459	471	483	495	510	524	-
COOLING — HIGH	CFM	1945	1910	1876	1839	1806	1769	1728	1688	1652	1545	-
	WATTS	553	566	577	590	601	613	631	643	647	611	-

Table 10. Down Airflow

4YCC4048A1070A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1126	1052	985	918	845	762	677	584	-	-	-
	WATTS	117	127	136	146	156	168	180	189	-	-	-
HEAT — HIGH	CFM	-	1210	1154	1100	1048	994	930	862	802	-	-
	WATTS	-	177	186	196	206	217	228	240	250	-	-
COOLING — LOW	CFM	1567	1526	1487	1445	1401	1358	1312	1270	1218	1169	-
	WATTS	308	320	330	339	352	360	375	384	402	413.9	-
COOLING — MED	CFM	1745	1706	1672	1632	1593	1552	1512	1473	1433	1390	-
	WATTS	422	434	444	457	468	480	493	505	520	534	-
COOLING — HIGH	CFM	1925	1890	1857	1821	1788	1751	1711	1671	1635	1530	-
	WATTS	564	577	589	602	613	625	644	656	660	623	-
4YCC4048A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1426	1387	1348	1301	1255	1210	1166	1120	1074	1020	966
	WATTS	241	251	260	270	281	292	303	314	325	335	349
HEAT — HIGH	CFM	1567	1531	1491	1450	1408	1370	1326	1282	1239	1201	1152
	WATTS	315	325	337	347	358	368	381	394	405	417	430

Table 10. Down Airflow (continued)

COOLING — LOW	CFM	1567	1526	1487	1445	1401	1358	1312	1270	1218	1169	-
	WATTS	308	320	330	339	352	360	375	384	402	413.9	-
COOLING — MED	CFM	1745	1706	1672	1632	1593	1552	1512	1473	1433	1390	-
	WATTS	422	434	444	457	468	480	493	505	520	534	-
COOLING — HIGH	CFM	1925	1890	1857	1821	1788	1751	1711	1671	1635	1530	-
	WATTS	564	577	589	602	613	625	644	656	660	623	-

Table 11. Horizontal Airflow

4YCC4060A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1534	1489	1445	1403	1361	1314	1275	1234	-	-	-
	WATTS	281	292	304	314	325	337	348	358	-	-	-
HEAT — HIGH	CFM	-	1594	1551	1511	1471	1430	1386	1344	1305	1265	-
	WATTS	-	348	361	373	384	396	409	420	432	443	-
COOLING — LOW	CFM	1857	1831	1800	1766	1737	1692	1655	1617	-	-	-
	WATTS	515	523	533	544	554	569	582	595	-	-	-
COOLING — MED	CFM	2083	2058	2032	2003	1974	1943	1911	1877	1843	1807	-
	WATTS	749	759	769	779	788	803	816	830	845	860	-
COOLING — HIGH	CFM	2201	2177	2152	2127	2105	2071	2041	2009	1975	1940	-
	WATTS	900	910	921	932	941	956	969	983	997	1010	-
4YCC4060A115A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1827	1792	1757	1721	1685	1646	1605	1570	-	-	-
	WATTS	492	505	517	529	541	553	566	577	-	-	-
HEAT — HIGH	CFM	-	1927	1894	1861	1824	1788	1750	1711	1674	1639	-
	WATTS	-	614	627	639	651	664	677	689	702	715	-
COOLING — LOW	CFM	1857	1831	1800	1766	1737	1692	1655	1617	-	-	-
	WATTS	515	523	533	544	554	569	582	595	-	-	-
COOLING — MED	CFM	2083	2058	2032	2003	1974	1943	1911	1877	1843	1807	-
	WATTS	749	759	769	779	788	803	816	830	845	860	-
COOLING — HIGH	CFM	2201	2177	2152	2127	2105	2071	2041	2009	1975	1940	-
	WATTS	900	910	921	932	941	956	969	983	997	1010	-

Table 12. Down Airflow

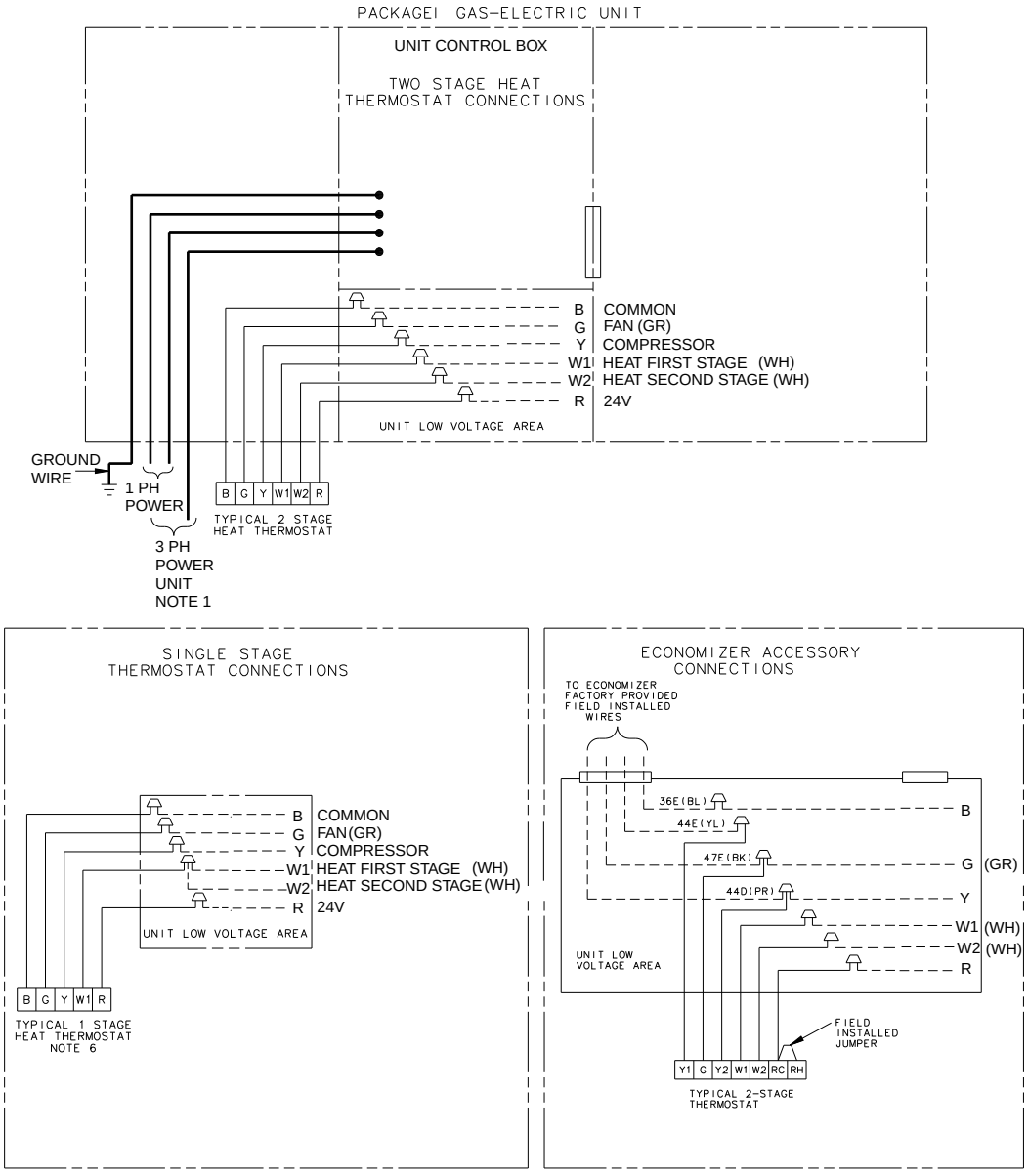
4YCC4060A1090A		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
HEAT — LOW	CFM	1541	1497	1452	1410	1367	1321	1281	1240	-	-	-
	WATTS	282	293	305	316	327	339	349	360	-	-	-
HEAT — HIGH	CFM	-	1602	1558	1518	1478	1437	1392	1351	1311	1271	-
	WATTS	-	350	363	374	386	398	411	423	434	445	-
COOLING — LOW	CFM	1857	1831	1800	1766	1737	1692	1655	1617	-	-	-
	WATTS	515	523	533	544	554	569	582	595	-	-	-
COOLING — MED	CFM	2083	2058	2032	2003	1974	1943	1911	1877	1843	1807	-
	WATTS	749	759	769	779	788	803	816	830	845	860	-
COOLING — HIGH	CFM	2201	2177	2152	2127	2105	2071	2041	2009	1975	1940	-
	WATTS	900	910	921	932	941	956	969	983	997	1010	-
4YCC4060A115A		EXTERNAL STATIC PRESSURE (IN. WG)										
HEAT — LOW	CFM	1815	1790	1757	1712	1679	1648	1613	1574	-	-	-
	WATTS	510	520	532	549	560	570	582	596	-	-	-
HEAT — HIGH	CFM	-	1910	1875	1839	1803	1773	1736	1704	1661	1622	-
	WATTS	-	630	634	647	660	672	685	698	712	726	-

Table 12. Down Airflow (continued)

COOLING — LOW	CFM	1857	1831	1800	1766	1737	1692	1655	1617	-	-	-
	WATTS	515	523	533	544	554	569	582	595	-	-	-
COOLING — MED	CFM	2083	2058	2032	2003	1974	1943	1911	1877	1843	1807	-
	WATTS	749	759	769	779	788	803	816	830	845	860	-
COOLING — HIGH	CFM	2201	2177	2152	2127	2105	2071	2041	2009	1975	1940	-
	WATTS	900	910	921	932	941	956	969	983	997	1010	-

Field Wiring Diagram

Figure 1. 4YCC4 — Field Wiring Diagram



NOTES:

1. FUSED DISCONNECT SIZE, POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH CODES.
2. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT AND HEATER NAMEPLATE.
3. LOW VOLTAGE WIRING TO BE 18 AWG MINIMUM CONDUCTOR.
4. SEE UNIT DIAGRAM FOR ELECTRICAL CONNECTION DETAILS.
5. THE THERMOSTAT ON THE GAS/ELECTRIC UNIT MUST PROVIDE A 'G' SIGNAL IN THE COOLING MODE ONLY. DURING THE HEATING MODE THE FAN WILL BE ENERGIZED BY THE SYSTEM.
6. FOR SINGLE STAGE THERMOSTATS JUMPER W1 AND W2 TOGETHER. SECOND STAGE HEAT WILL BEGIN 10 MINUTES AFTER FIRST STAGE.

INTER–COMPONENT WIRING

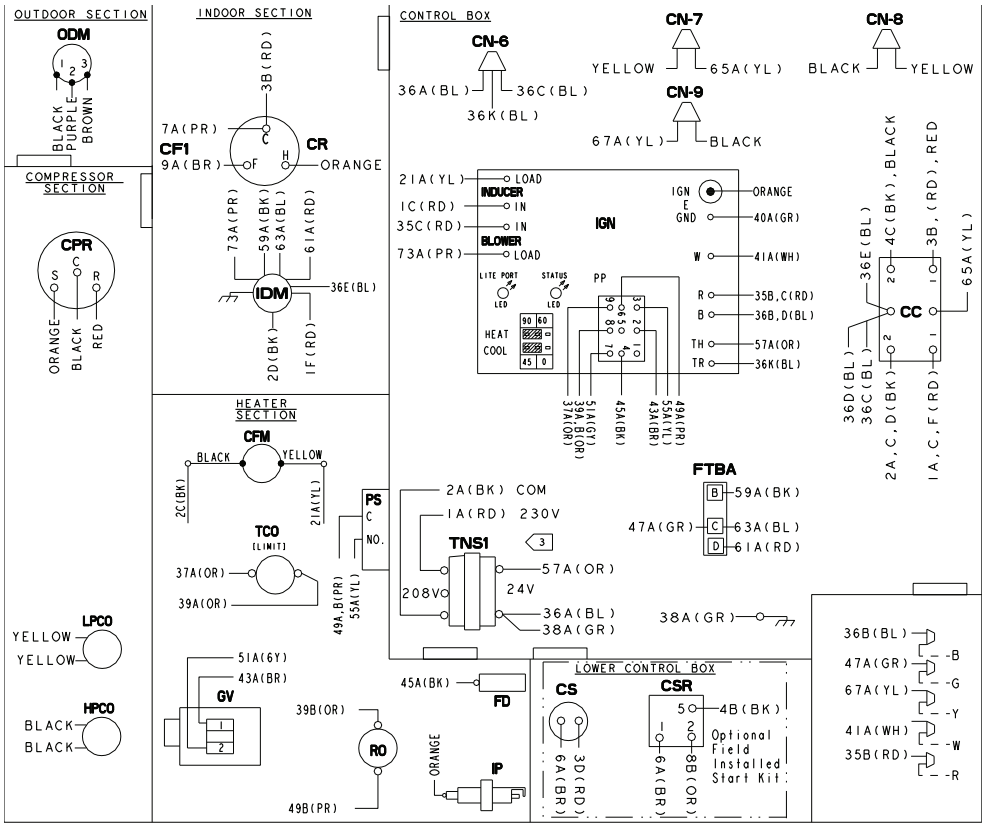
- 24V. / LINE V. } FACTORY WIRING
- 24V. / LINE V. } FIELD WIRING

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

C 757192i2

Wiring

Figure 2. 4YCC4024 — 4042

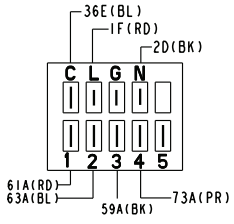


NOTES:

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 AND MUST BE A MINIMUM OF 18 A.W.G. 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:
   A: AT TNS1 REMOVE 1A(RD) WIRE AND CONNECT TO 208V TERMINAL ON 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.

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

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = FAN/COOLING LOW
2 = FAN/COOLING MED
3 = FAN/COOLING HIGH
4 = HEAT LOW
5 = HEAT HIGH

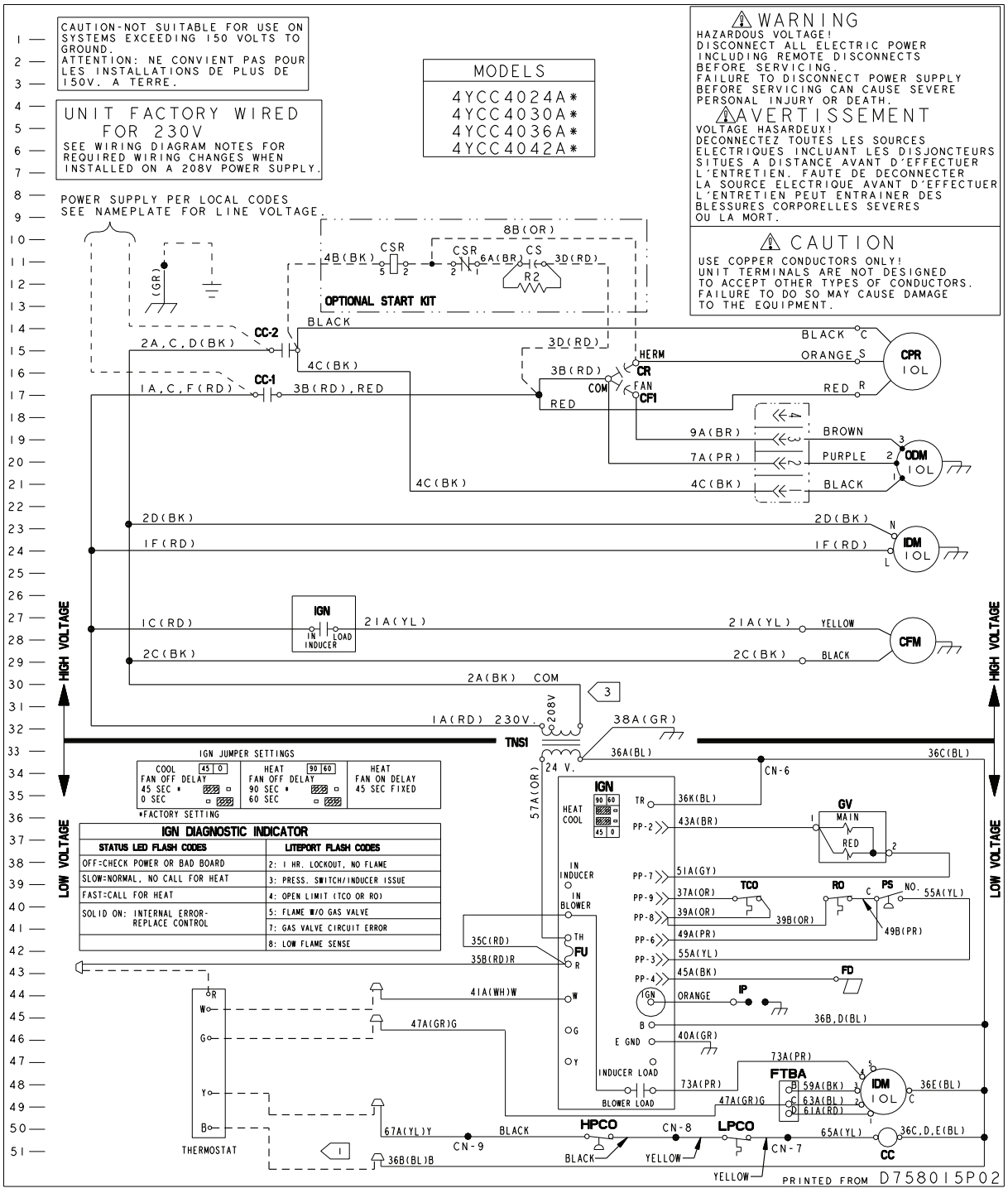


IDM CONNECTION

DEVICE	DESCRIPTION	LINE
CC	COMPRESSOR CONTACTOR COIL	50
CF1	OUTDOOR FAN CAPACITOR	17
CN	CONNECTOR OR WIRE NUT	
CFM	COMBUSTION FAN MOTOR	27
CPR	COMPRESSOR	15
CR	COMPRESSOR RUN CAPACITOR	15
CS	COMPRESSOR START CAPACITOR	11
CSR	COMPRESSOR START RELAY COIL	11
FD	FLAME DETECTOR	44
RO	ROLLOUT LIMIT	40
GV	GAS VALVE	35
IDM	INDOOR FAN MOTOR	24
IGN	IGNITION CONTROL MODULE	27,40
IOL	INTERNAL OVERLOAD	
IP	IGNITOR PROBE	45
LED	IGN DIAGNOSTICS INDICATOR	40
ODM	OUTDOOR FAN MOTOR	20
PP	POLARIZED PLUG	36-44
PS	PRESSURE SWITCH	40
TCO	TEMPERATURE LIMIT SWITCH	40
TNS1	CONTROL POWER TRANSFORMER	32
LPCO	LOW PRESSURE SWITCH	50
FU	FUSE	42
HPCO	HIGH PRESSURE SWITCH	50
FTBA	FAN TERMINAL BLOCK	49

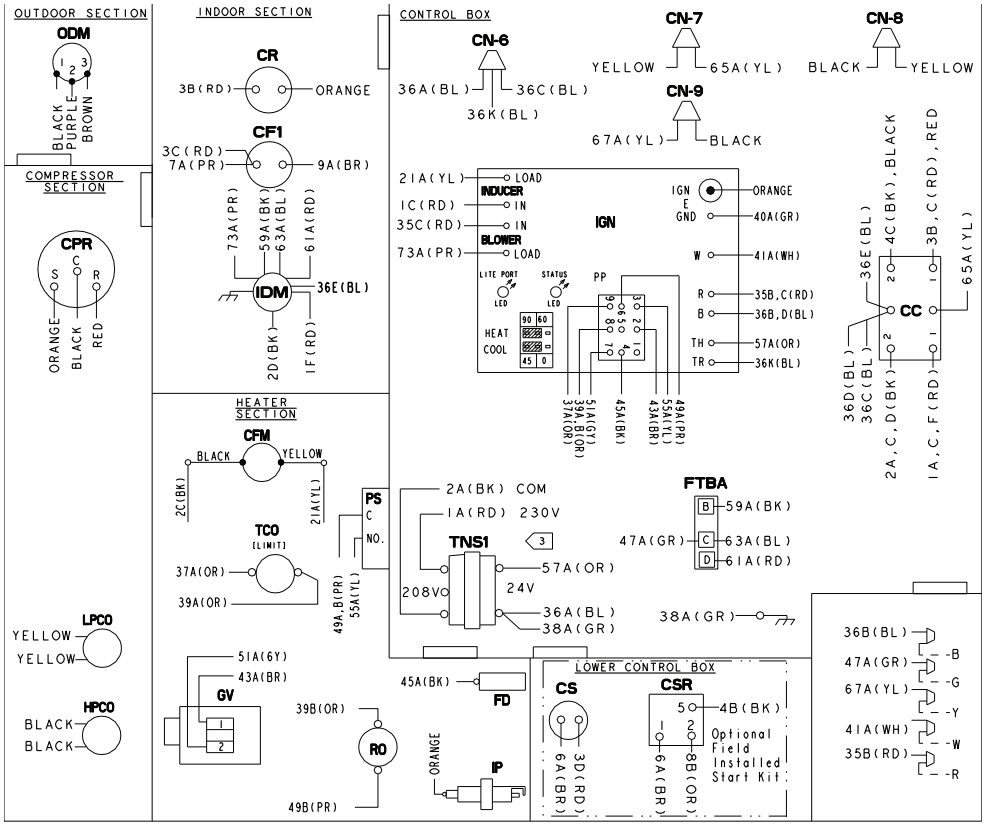
Dwg. D758015P02

Figure 3. 4YCC4024 — 4042



Wiring

Figure 4. 4YCC4048 — 4060

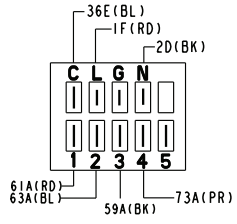


NOTES:

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 AND MUST BE A MINIMUM OF 18 A.W.G. 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:
   A: AT TNS1 REMOVE 1A(RD) WIRE AND CONNECT TO 208V TERMINAL ON 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.

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

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = FAN/COOLING LOW
2 = FAN/COOLING MED
3 = FAN/COOLING HIGH
4 = HEAT LOW
5 = HEAT HIGH

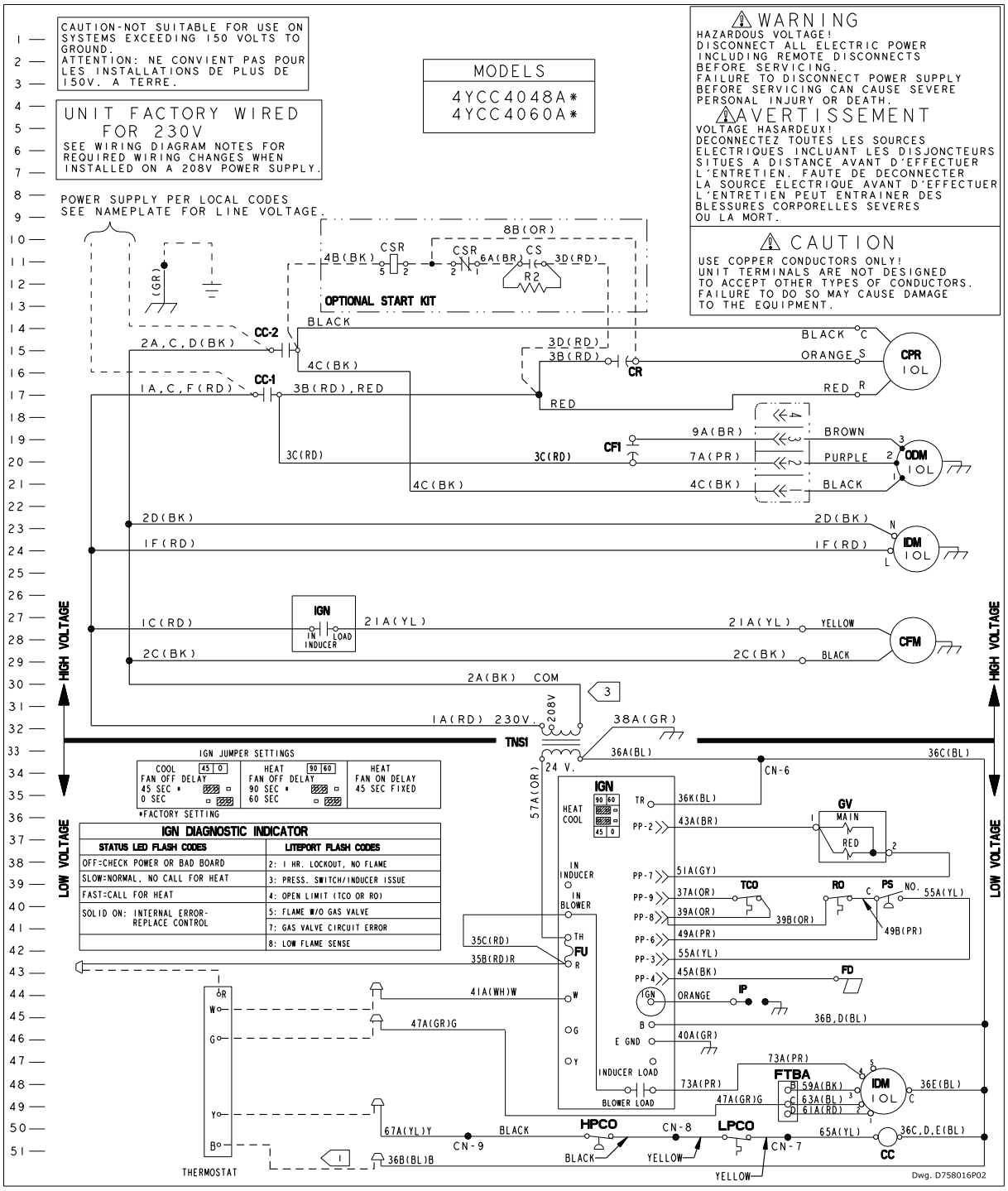


IDM CONNECTION

DEVICE	DESCRIPTION	LINE
CC	COMPRESSOR CONTACTOR COIL	50
CF1	OUTDOOR FAN CAPACITOR	17
CN	CONNECTOR OR WIRE NUT	
CFM	COMBUSTION FAN MOTOR	27
CPR	COMPRESSOR	15
CR	COMPRESSOR RUN CAPACITOR	15
CS	COMPRESSOR START CAPACITOR	11
CSR	COMPRESSOR START RELAY COIL	11
FD	FLAME DETECTOR	44
RO	ROLLOUT LIMIT	40
GV	GAS VALVE	35
IDM	INDOOR FAN MOTOR	24
IGN	IGNITION CONTROL MODULE	27, 40
IOL	INTERNAL OVERLOAD	
IP	IGNITOR PROBE	45
LED	IGN DIAGNOSTICS INDICATOR	40
ODM	OUTDOOR FAN MOTOR	20
PP	POLARIZED PLUG	36-44
PS	PRESSURE SWITCH	40
TCO	TEMPERATURE LIMIT SWITCH	40
TNS1	CONTROL POWER TRANSFORMER	32
LPCO	LOW PRESSURE SWITCH	50
FU	FUSE	42
HPCO	HIGH PRESSURE SWITCH	50
FTBA	FAN TERMINAL BLOCK	49

Dwg. D758016P02

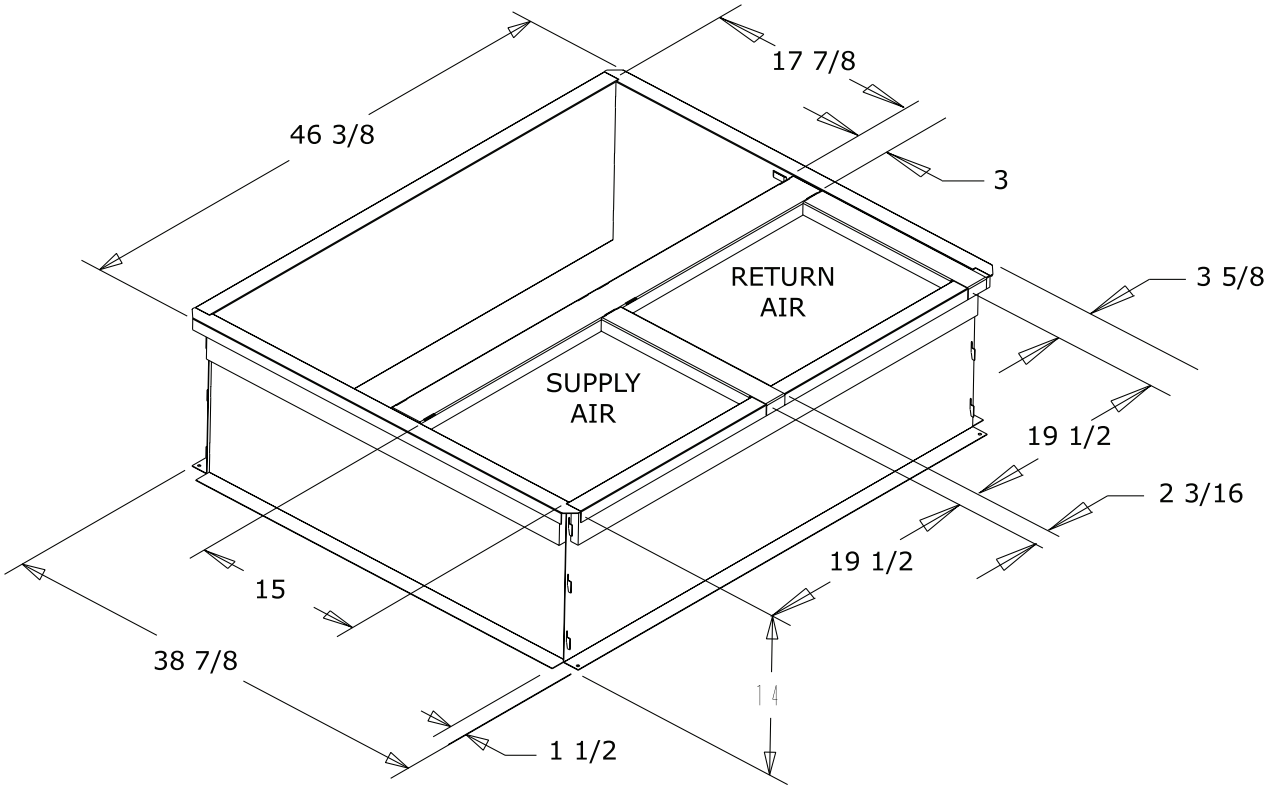
Figure 5. 4YCC4048 — 4060



Full Perimeter Roof Mounting Curb

Figure 6. 4024 — 4036 Models

BAYCURB050A Full Perimeter Roof Mounting Curb



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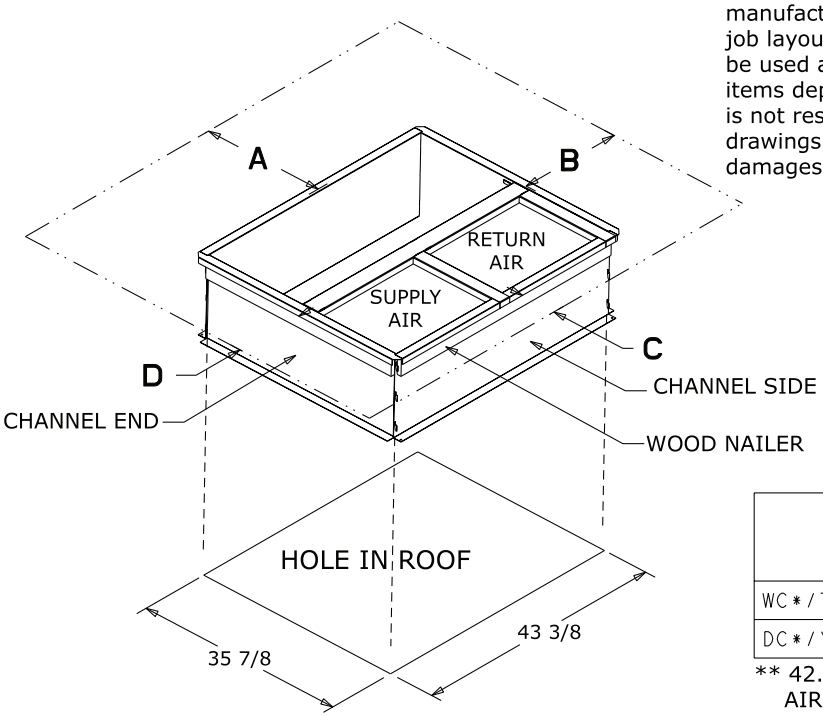
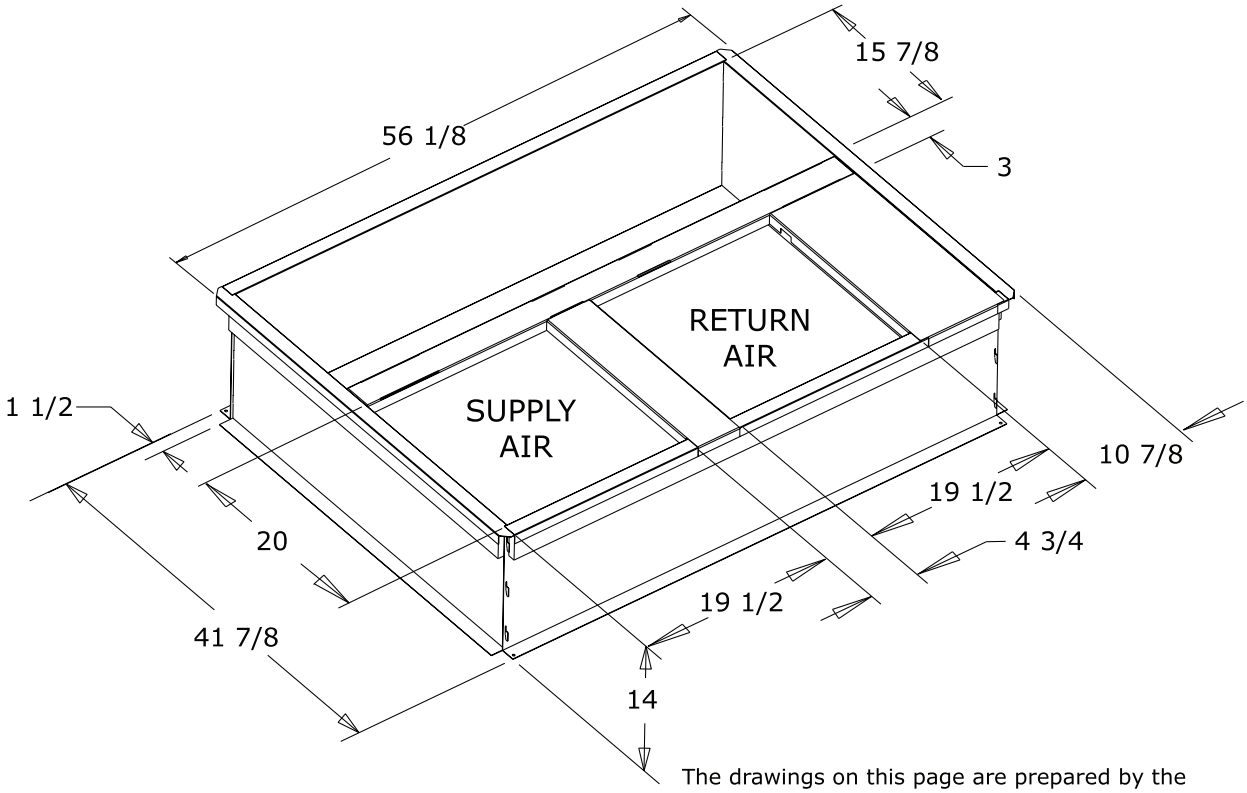


	SERVICE CLEARANCE DIMENSIONS			
	A	**B**	**C**	**D**
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Figure 7. 4042 — 4060 Models

BAYCURB051A Full Perimeter Roof Mounting Curb



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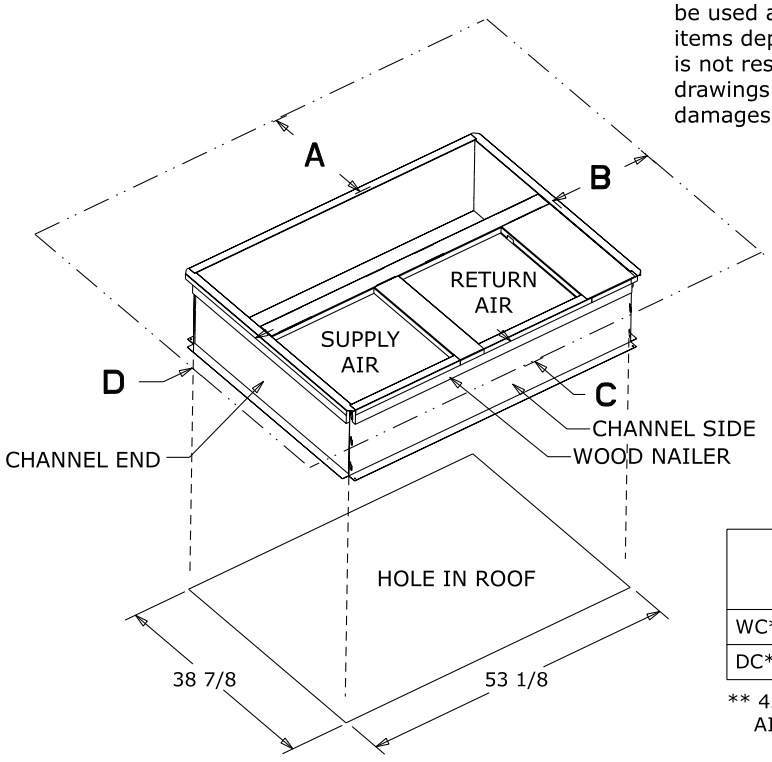
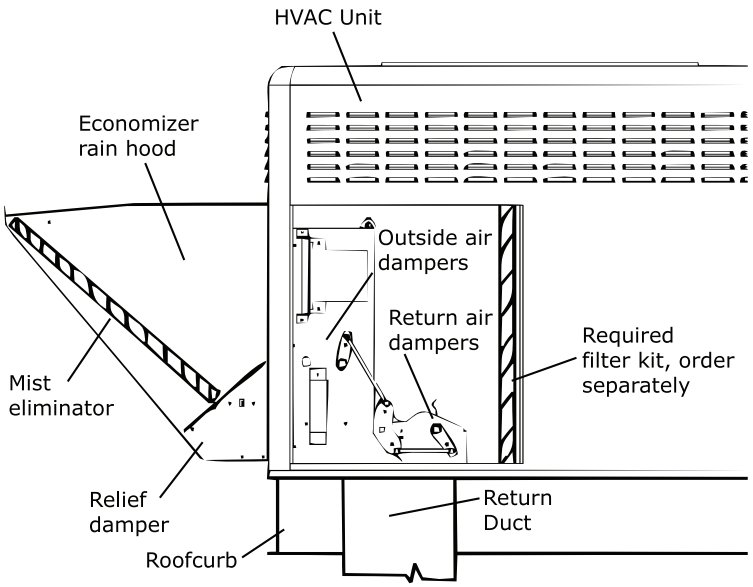


	SERVICE CLEARANCE DIMENSIONS			
	A	**B**	**C**	**D**
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

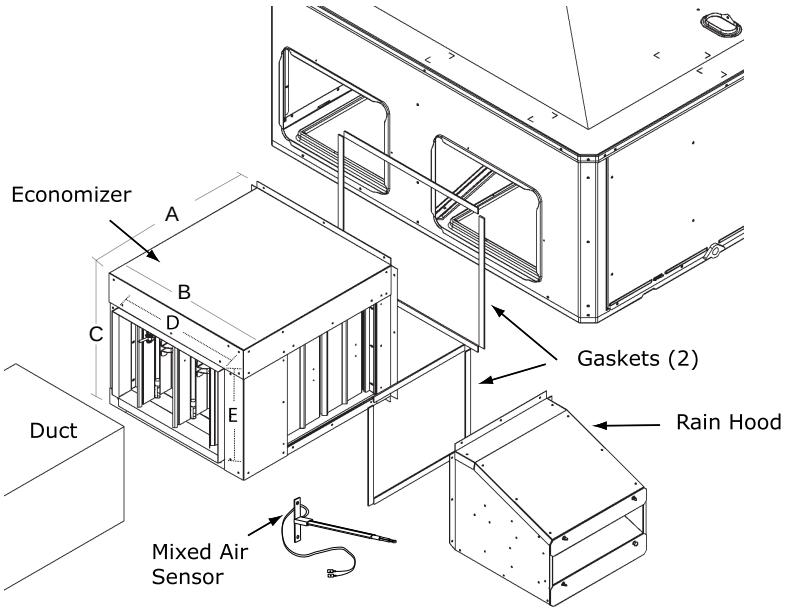
Optional Equipment — Economizer

Table 13. BAYECON101,102A Down Discharge Economizer and Rain Hood (Mounts Over Horizontal Return Air Opening)



Economizer	Unit Application Models
BAYECON101A	4024-036
BAYECON102A	4042-060

Table 14. BAYCON200, 201A Horizontal Economizer and Rain Hood



Economizer	Models	A	B	C	D	E	F
BAYECON200AA	4024–4036	22″	20″	16–7/8″	15–11/16″	11–11/16″	15″
BAYECON201AA	4042–4060	26″	22–21/32″	19″	17–11/16″	14–11/16″	21–3/8″

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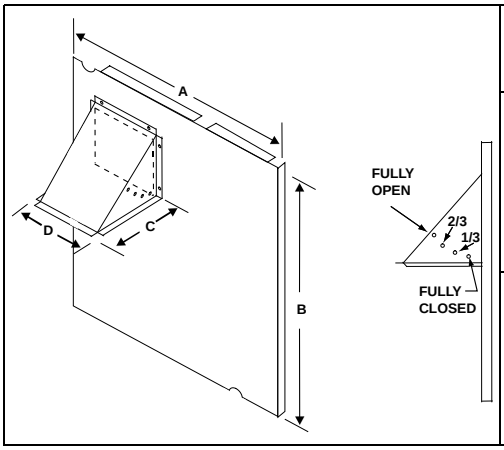
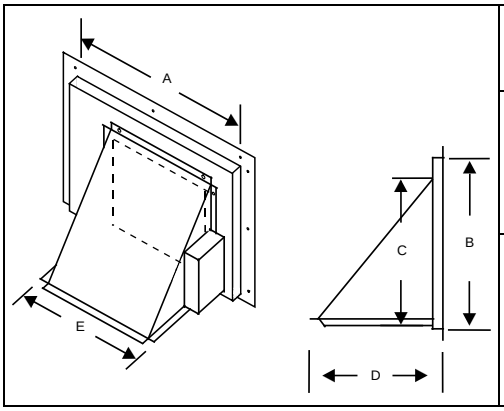
Optional Equipment — Outside Air Damper

Table 15. BAYOSAH001 and 002A



Manual Fresh Air Model	Unit Application Models	A	B	C	D
BAYOSAH001A	4024 – 4036	22–7/16″	20–11/16″	12–3/8″	9–3/16″
BAYOSAH002A	4042 — 4060	25–3/16″	20–11/16″	12–3/8″	9–3/16″

Table 16. 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
BAYDMPR101A	4024 — 4036	22–7/16″	20–11/16″	12–3/8″	9–3/16″
BAYDMPR102A	4042 — 4060	25–3/16″	20–11/16″	12–3/8″	9–3/16″

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Optional Equipment — Filter Rack

Figure 8. BAYFLTR101 Filter Rack (4024–4036)
BAYFLTR102 (4042–4060)
(Mounts in Filter/Coil Section)

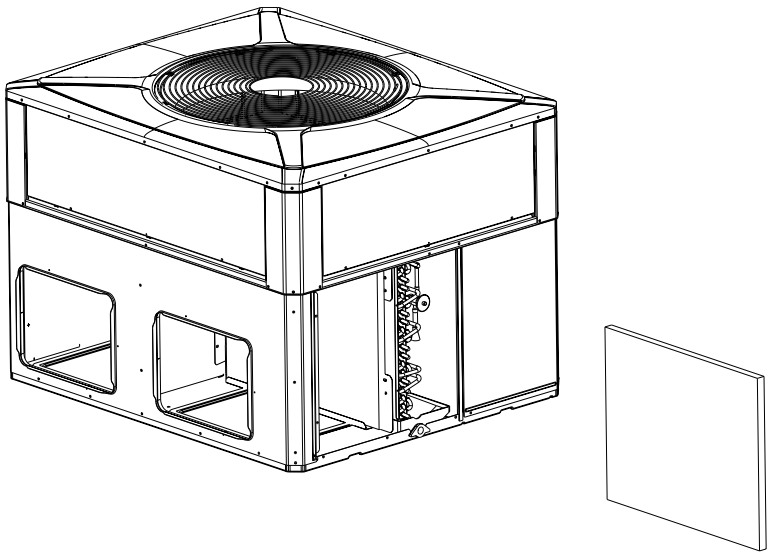
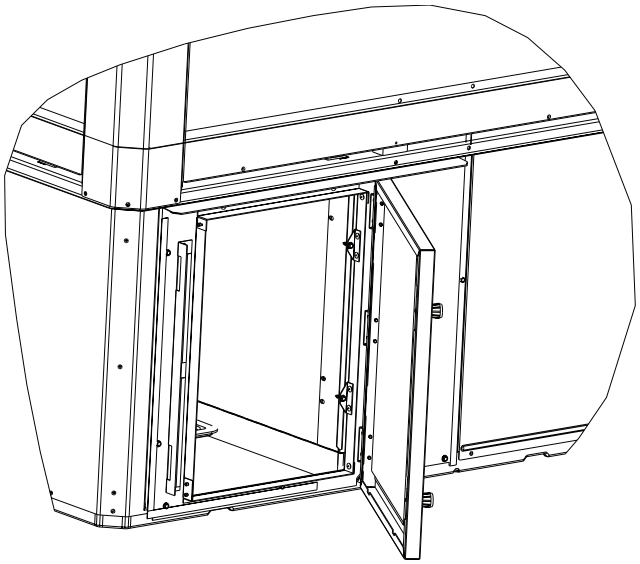


Figure 9. BAYACCDOR1A Hinged Filter Access Door (4024–4036)
BAYACCDOR2A (4042–4060)
Replaces Filter/Coil Access Panel



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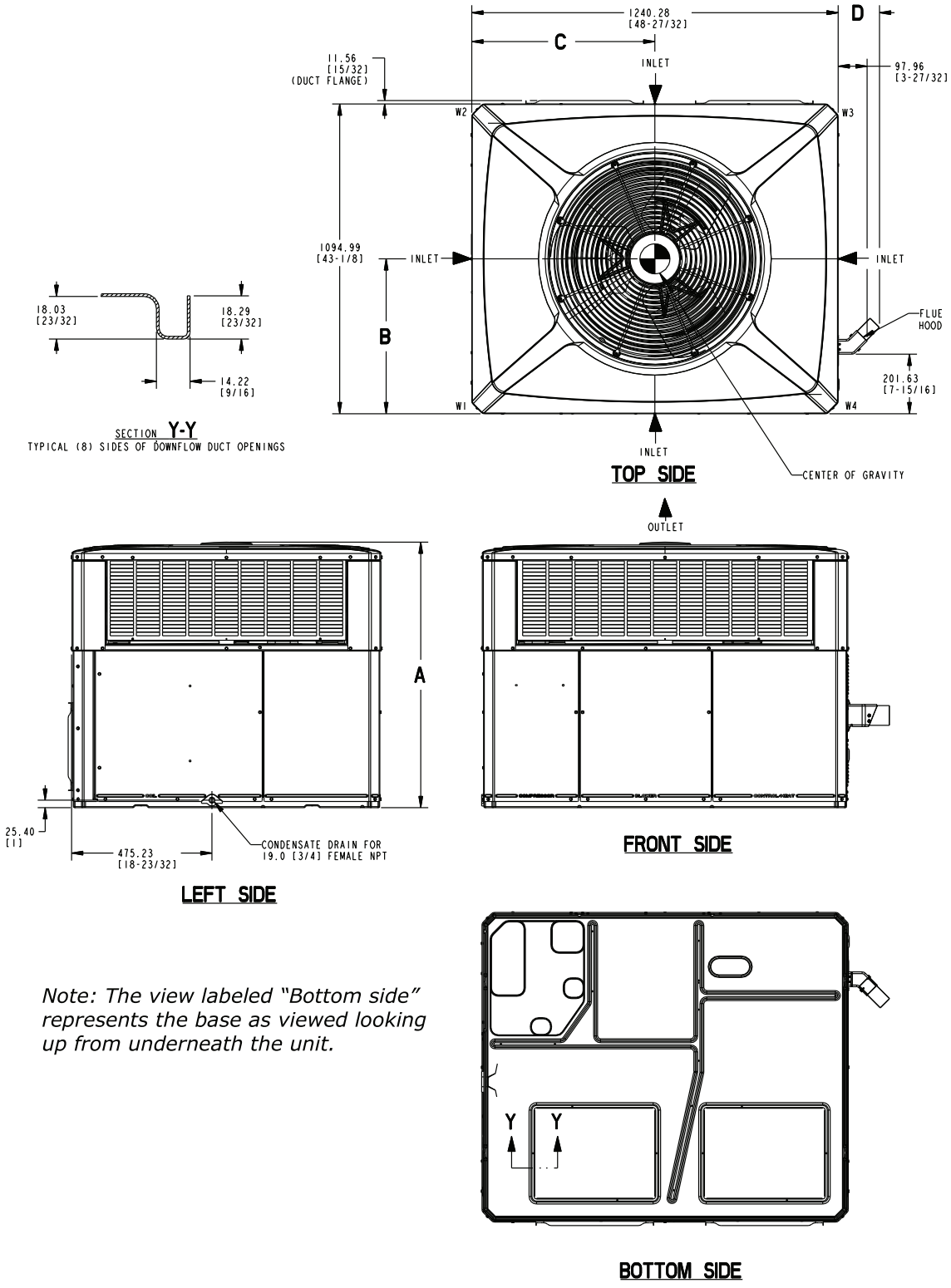
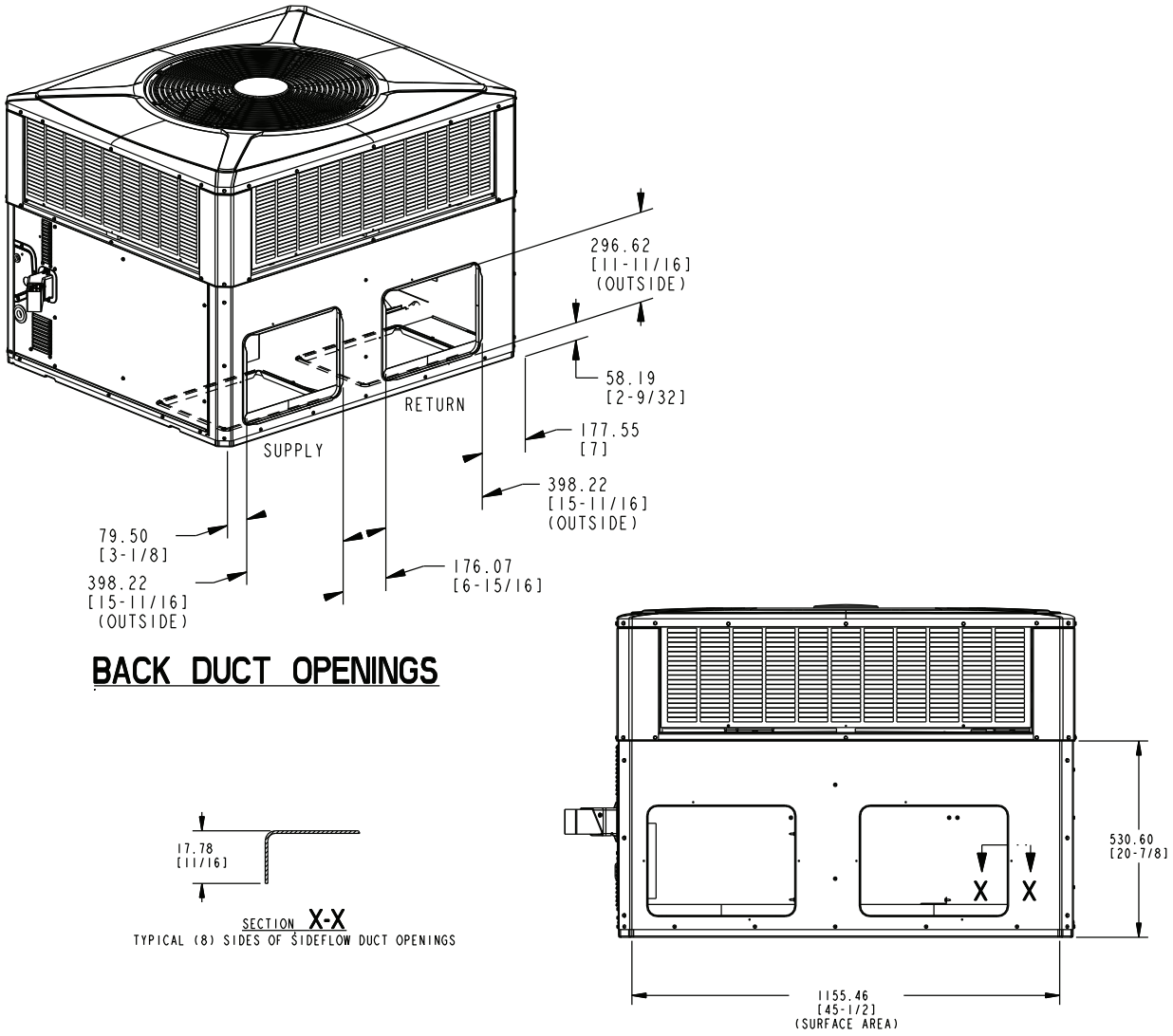
Outline Drawings

Figure 10. 4YCC4024–4036



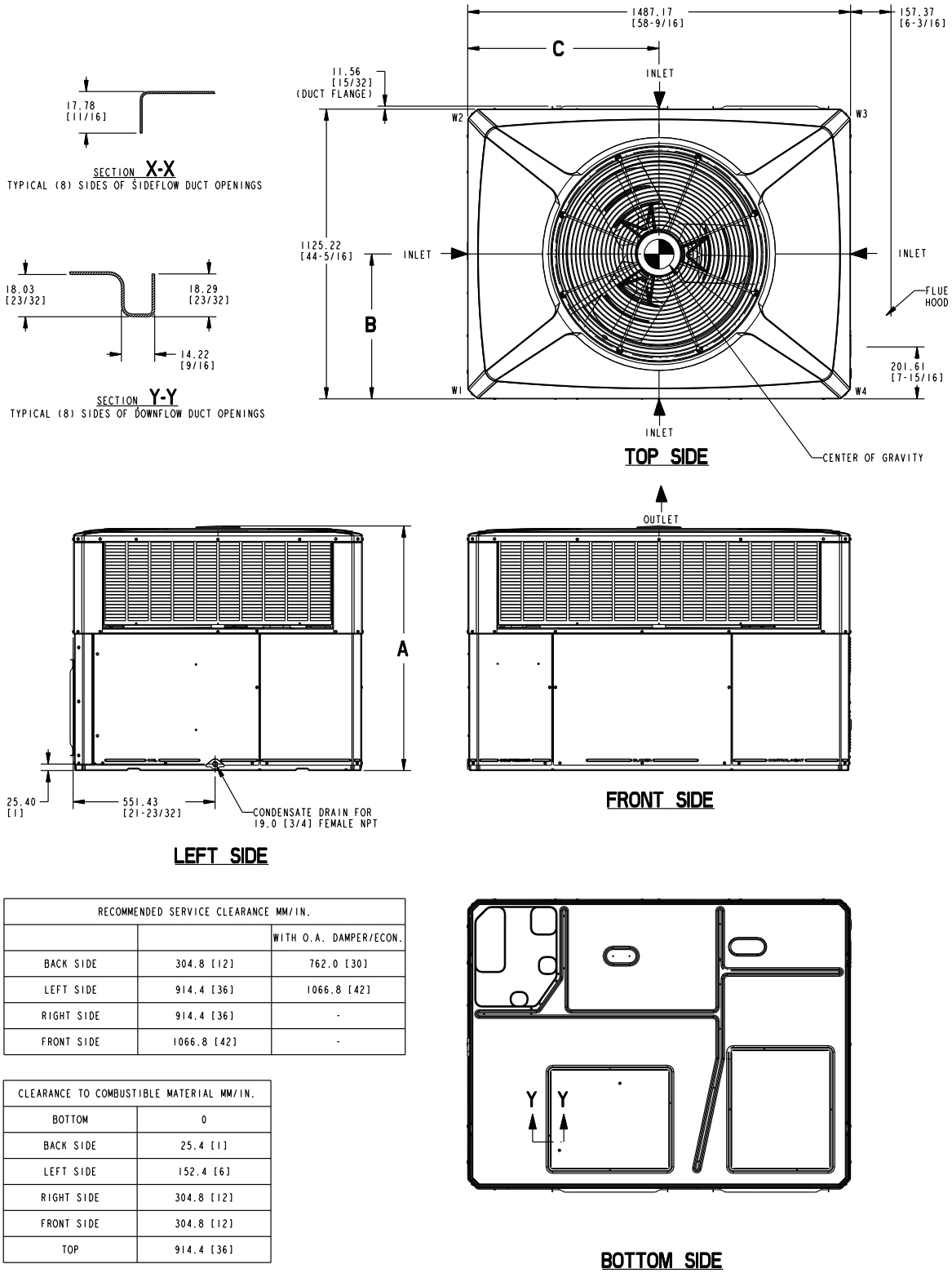
Note: The view labeled "Bottom side" represents the base as viewed looking up from underneath the unit.

Figure 11. 4YCC4024–4036



	Height mm/in	Flu Hood w/brkt mm/in	Approx. Corner Weight - kg / lbs				Shipping Weight kg/lbs	Total Unit Weight kg/lbs	Center of Gravity mm/in	
	A	D	W1	W2	W3	W4			B	C
4YCC4024 (060)	898.53 [35-3/8]	157.16 [6-3/16]	58.3 [129]	36.8 [81]	26.1 [58]	41.0 [90]	196.1 [432]	162.4 [358]	479.8 [18.9]	527.8 [20.8]
4YCC4030 (070)	898.53 [35-3/8]	157.16 [6-3/16]	61.3 [135]	38.7 [85]	27.5 [61]	43.1 [95]	204.8 [451]	171.1 [377]	406.5 [16.0]	594.1 [23.4]
4YCC4036 (070)	949.33 [37-3/8]	157.16 [6-3/16]	61.1 [134]	38.3 [84]	27.1 [60]	43.2 [95]	203.4 [438]	169.7 [374]	414.3 [16.3]	697.6 [27.5]
4YCC4036 (090)	949.53 [37-3/8]	157.16 [6-3/16]	61.7 [136]	38.9 [86]	27.7 [61]	43.7 [96]	205.7 [453]	172.0 [379]	414.3 [16.3]	697.6 [27.5]

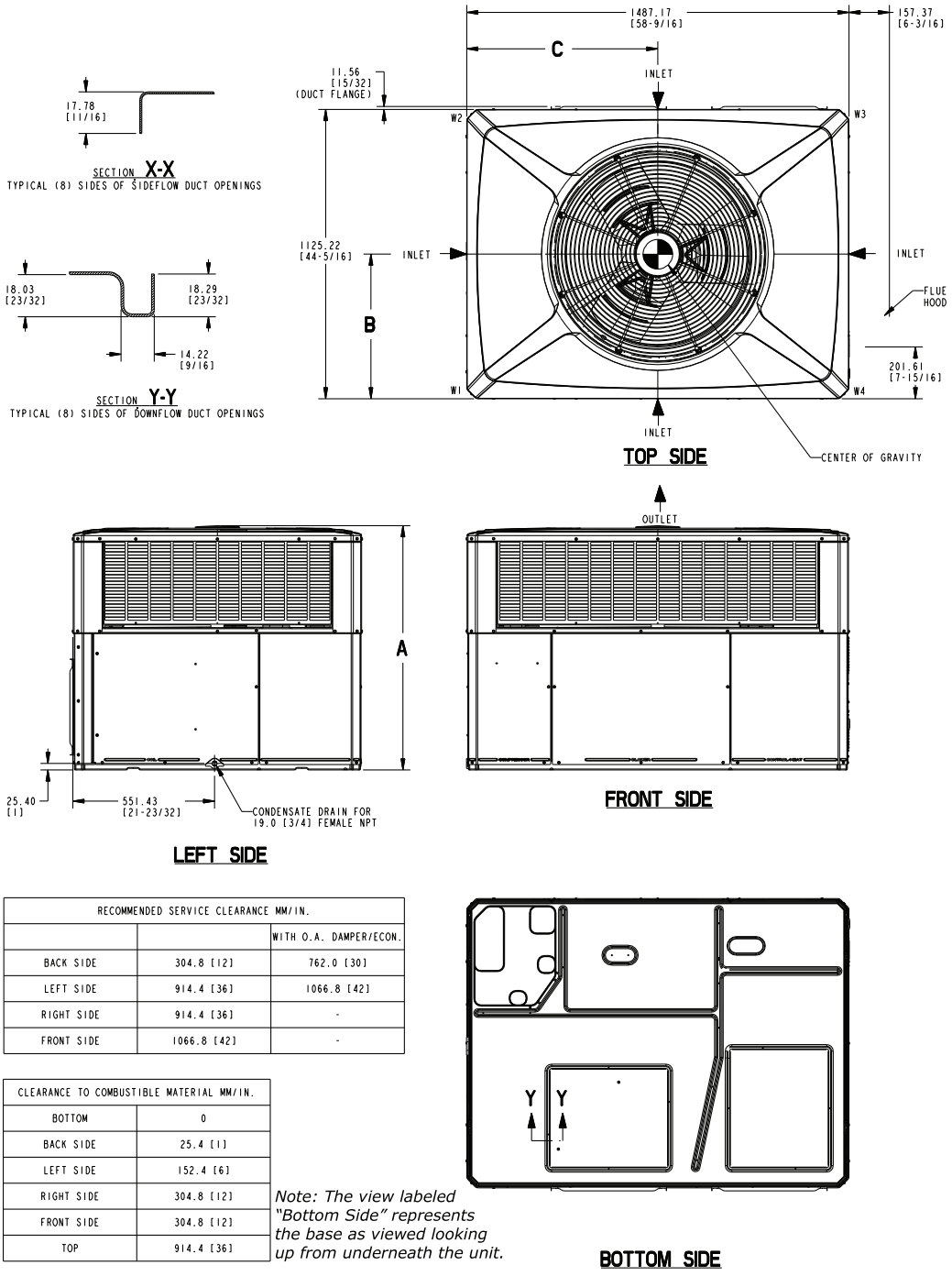
Figure 12. 4YCC4024–4036



RECOMMENDED SERVICE CLEARANCE MM/IN.		
		WITH O.A. DAMPER/ECON.
BACK SIDE	304.8 [12]	762.0 [30]
LEFT SIDE	914.4 [36]	1066.8 [42]
RIGHT SIDE	914.4 [36]	-
FRONT SIDE	1066.8 [42]	-

CLEARANCE TO COMBUSTIBLE MATERIAL MM/IN.	
BOTTOM	0
BACK SIDE	25.4 [1]
LEFT SIDE	152.4 [6]
RIGHT SIDE	304.8 [12]
FRONT SIDE	304.8 [12]
TOP	914.4 [36]

Figure 13. 4YCC4042–4060

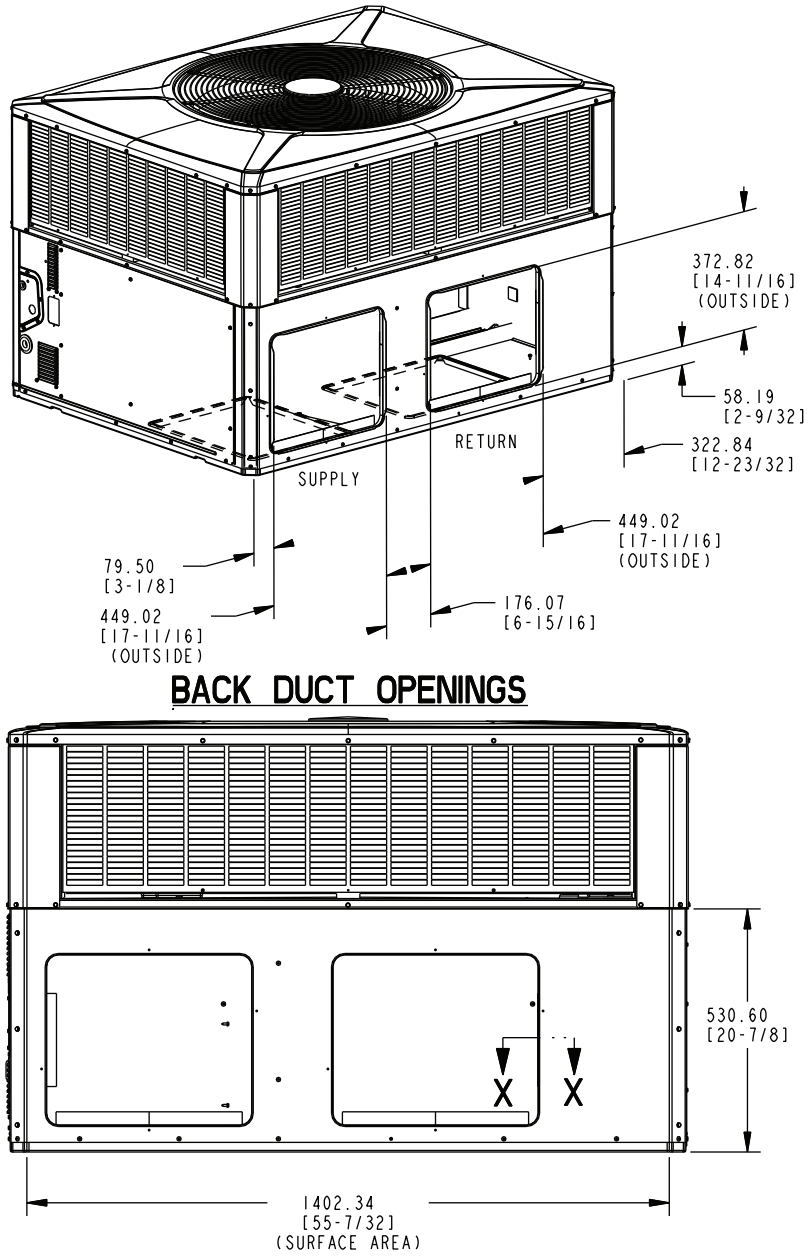


RECOMMENDED SERVICE CLEARANCE MM/IN.		
		WITH O.A. DAMPER/ECON.
BACK SIDE	304.8 [12]	762.0 [30]
LEFT SIDE	914.4 [36]	1066.8 [42]
RIGHT SIDE	914.4 [36]	-
FRONT SIDE	1066.8 [42]	-

CLEARANCE TO COMBUSTIBLE MATERIAL MM/IN.	
BOTTOM	0
BACK SIDE	25.4 [1]
LEFT SIDE	152.4 [6]
RIGHT SIDE	304.8 [12]
FRONT SIDE	304.8 [12]
TOP	914.4 [36]

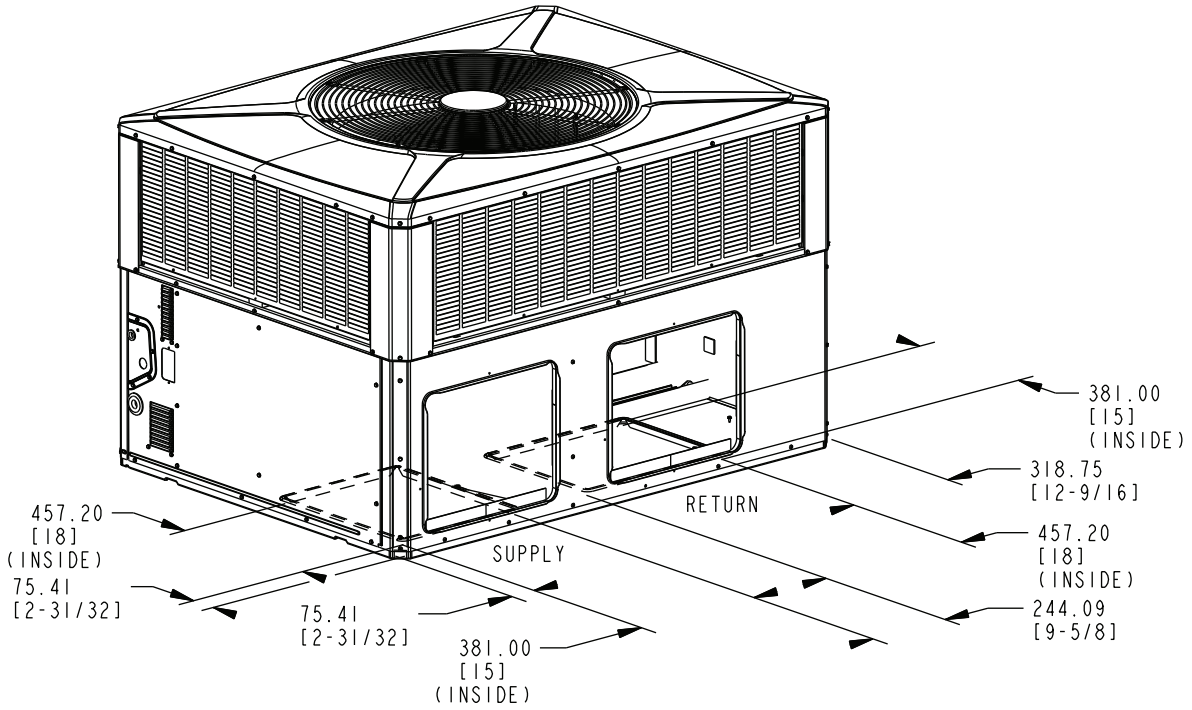
Note: The view labeled "Bottom Side" represents the base as viewed looking up from underneath the unit.

Figure 14. 4YCC4042–4060

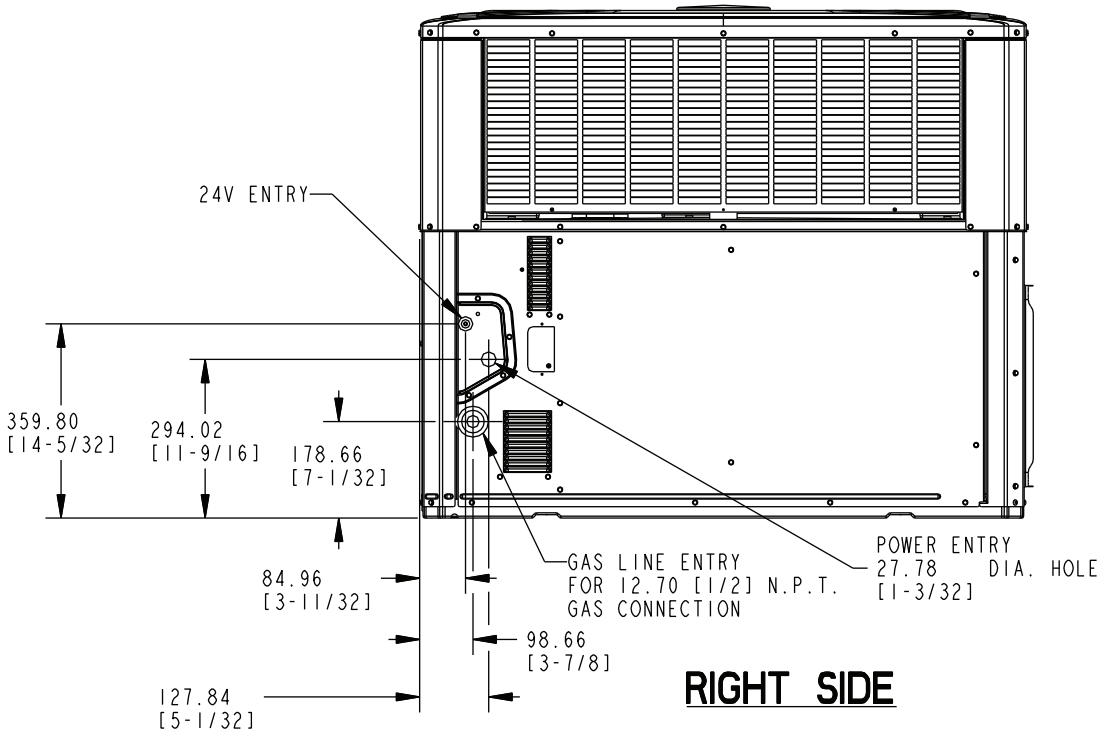


Model	Height mm/in	Approx. Corner Weight - kg / lbs				Shipping Weight kg/lbs	Total Unit Weight kg/lbs	Center of Gravity mm/in	
	A	W1	W2	W3	W4			B	C
4YCC4042 (060)	898.53 [35-3/8]	71.2 [157]	46.6 [103]	34.6 [76]	53.1 [117]	252.2 [555]	202.0 [452]	470.0 [18.5]	731.0 [28.8]
4YCC4042 (090)	898.53 [35-3/8]	71.8 [158]	47.2 [104]	35.2 [78]	53.6 [118]	254.5 [561]	207.3 [457]	470.0 [18.5]	731.0 [28.8]
4YCC4048 (070)	1000.13 [39-3/8]	71.4 [157]	44.6 [98]	33.2 [73]	53.9 [119]	250.3 [552]	202.1 [448]	433.0 [17.0]	743.3 [29.3]
4YCC4048 (090)	1000.13 [39-3/8]	72.0 [159]	45.0 [99]	33.8 [75]	54.4 [120]	252.6 [557]	205.4 [453]	433.0 [17.0]	743.3 [29.3]
4YCC4060 (090)	1000.13 [39-3/8]	77.1 [170]	45.8 [101]	34.4 [76]	58.3 [128]	263.1 [580]	215.9 [476]	433.0 [17.0]	743.3 [29.3]
4YCC4060 (115)	1000.13 [39-3/8]	78.0 [172]	46.3 [102]	34.9 [77]	59.0 [130]	265.8 [586]	218.6 [482]	414.0 [16.3]	635.0 [25.0]

Figure 15. 4YCC4042–4060



BOTTOM DUCT OPENINGS



RIGHT SIDE

Notes

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22-1901-1B-EN 01 Dec 2014
Supersedes 22-1901-1A-EN (November 2014)

Ingersoll Rand