



TRANE®

22-1781-13

Product Data

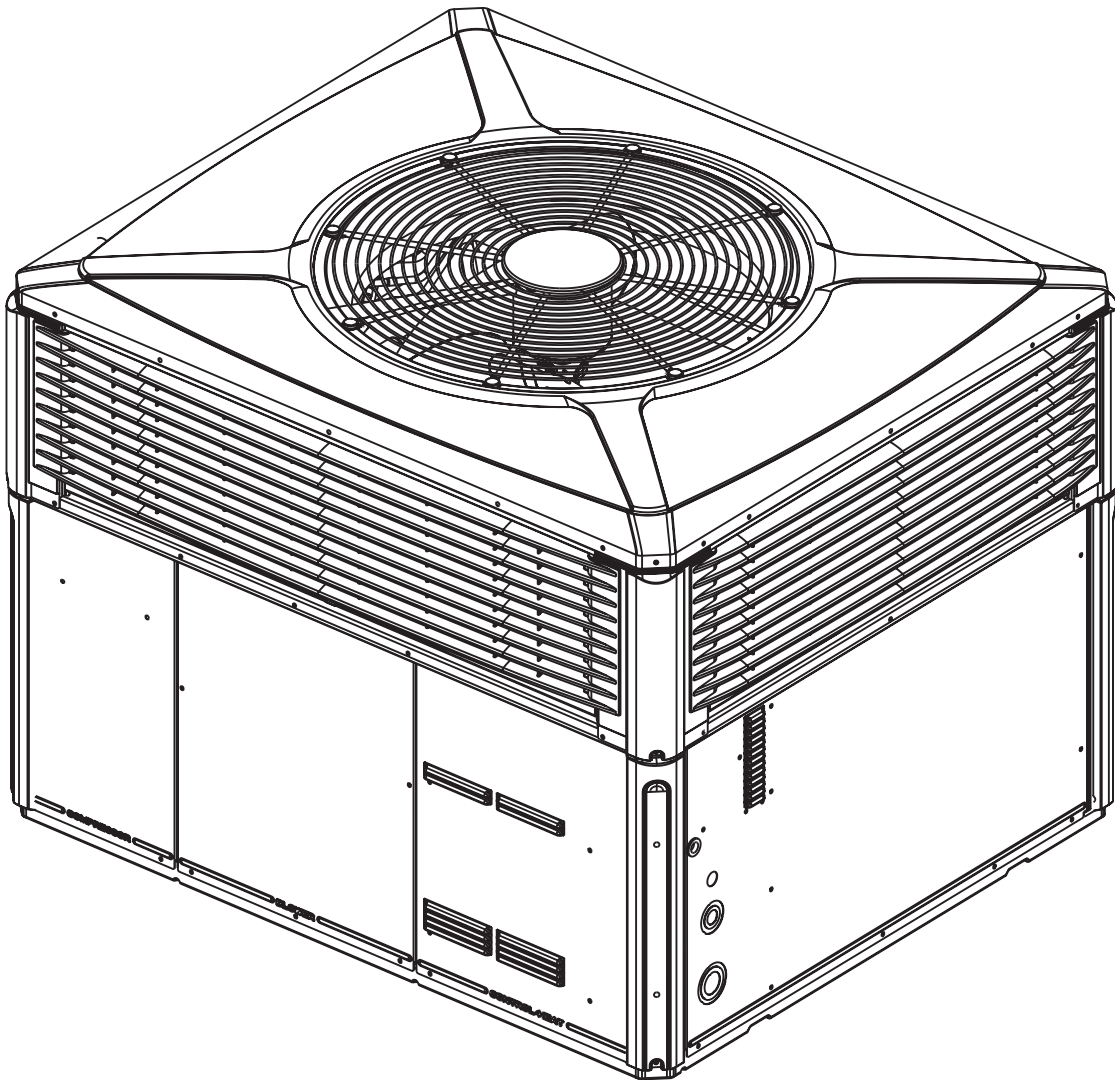
4WCX3018 through 4WCX3060

Single Packaged Convertible Heat Pump

13 SEER

1½ - 5 Ton

R-410A



It's Hard to Stop a Trane.

Single Packaged Electric Heat Pump System

Trane offers a complete family of electric heat pump heating and cooling systems, designed to keep you comfortable all year long, regardless of the weather, while keeping your operating costs as low as possible. A heat pump operates efficiently as both an air conditioner and a heater. In the summer, the heat pump cools your home just like any other air conditioner by pulling the heat from the inside and releasing it outdoors. In the winter, it captures the heat that is always present in the outdoor air and transfers it indoors.

Introducing the new TRANE Single Packaged Electric Heat Pump System.

Single Packaged Electric Heat Pump Systems are easy and versatile to install. Because cooling and heating functions are all contained in a single cabinet, a Trane packaged heat pump 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 Trane thermostat control, and air distribution ducts, you have a highly efficient, total home comfort system.

Single Packaged Electric Heat Pump 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 Climatuff® 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 Electric Heat Pump Systems provide exceptional heating and cooling. Trane packaged heat pumps are designed and engineered to meet rigid specifications, tested to ensure excellent performance and manufactured to last. Each unit is designed to deliver exceptional reliability and energy efficiency for years to come.

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Optional Equipment Listing

OPTIONAL EQUIPMENT FOR PACKAGED UNITS (check mark [✓] indicates accessories included)

Hinged Filter Access Door (4WCX3018-036)	BAYACCDOR1A[]
Hinged Filter Access Door (4WCX3042-060)	BAYACCDOR2A[]
Roof Curb Full Perimeter (4WCX3018-36A) ③	BAYCURB050A[]
Roof Curb Full Perimeter (4WCX3042-60A) ③	BAYCURB051A[]
Roof Curb Utility Extension Kit (BAYCURB050A)	BAYUTIL101B[]
Roof Curb Utility Extension Kit (BAYCURB051A)	BAYUTIL102B[]
0-25% Manual Fresh Air Damper (4WCX3018-36A) ①	BAYOSAH001A[]
0-25% Manual Fresh Air Damper (4WCX3042-60A) ①	BAYOSAH002A[]
Motorized Fresh Air Damper (4WCX3018-36A) ①	BAYDMPR101A[]
Motorized Fresh Air Damper (4WCX3042-60A) ①	BAYDMPR102A[]
16" Round Duct Adapter (2 per box) (4WCX3018-36A) ⑥	BAYSQRD001A[]
18" Round Duct Adapter (2 per box) (4WCX3018-60A) ⑥	BAYSQRD002A[]
0-100% Mod Economizer w/Baro. Relief (4WCX3018-36A) ①②④	BAYECON101B[]
0-100% Mod. Economizer w/Baro. Relief (4WCX042-60A) ①②④	BAYECON102B[]
0-100% Horizontal Economizer (4WCX3018-36A) ①②	BAYECON200A[]
0-100% Horizontal Economizer (4WCX3042-60A) ①②	BAYECON201A[]
Economizer Relay Kit (required for Heat Pump applications)	BAYRLAY004A[]
Enthalpy Control for Economizer (solid state)	BAYENTH001A[]
Remote Potentiometer (All-BAYECON***A)	BAYSTAT023[]
1"-2" Filter Frame (4WCX3018-36A) (20 x 25 filter not included) ①	BAYFLTR101B[]
1"-2" Filter Frame (4WCX3042-60A) (20 x 20 & 20 x 18 filter not included) ①	BAYFLTR201B[]
Head Pressure Control (Low Ambient Cool) (208/240V) Kit ⑤	BAYLOAM105A[]
Quick Start Kit (4WCX3-A1)	BAYSKT300A[]
Crankcase Heater Recip (4WCX3018-30)(230v) ⑤	BAYCCHT101A[]
Crankcase Heater Scroll(4WCX3042-60)(230v) ⑤	BAYCCHT102A[]
Crankcase Heater Scroll(4WCX3036)(230v) ⑤	BAYCCHT103A[]
Crankcase Heater Scroll(4WCX3048,60)(460v) ⑤	BAYCCHT404B[]
Crankcase Heater Scroll(4WCX3036)(460v) ⑤	BAYCCHT405A[]
Adapter Curb 4WCX3018-036A to BAYCURB030,38	BAYADAP050A[]
Adapter Curb 4WCX3018-036A to BAYCURB033	BAYADAP051A[]
Adapter Curb 4WCX3042-060A to BAYCURB030,38	BAYADAP052A[]
Adapter Curb 4WCX3042-060A to BAYCURB033	BAYADAP053A[]
Adapter Curb 4WCX3042-060A to BAYCURB034	BAYADAP054A[]
12" Duct Shroud Covers Horizontal 4WCX3018-060A ⑦	BAYCOVR112A[]
18" Duct Shroud Covers Horizontal 4WCX3018-060A ⑦	BAYCOVR118A[]
Extreme Condition Mounting Kit - All BAYCURB & BAYADAP	BAYEXMK001A[]
Extreme Condition Mounting Kit - All BAYUTIL	BAYEXMK002B[]
Extreme Condition Mounting Kit - All Slab Mounts	BAYEXMK003A[]
Lifting Lug Kit	BAYLIFT002B[]
SUPPLEMENTARY HEATERS (1 PHASE)	
3.76/5.0 KW Heater (208/240V 1PH) (4WCX3018-060A1)	BAYHTRV105E[]
6.0/8.0 KW Heater (208/240V 1PH) (4WCX3018-060A1)	BAYHTRV108E[]
7.50/10.0 KW Heater (208/240V 1PH) (4WCX3024-060A1)	BAYHTRV110E[]
11.27/15.00 KW Heater (208/240V 1PH) (4WCX3030-060A1)	BAYHTRV115E[]
15.0/20.0 KW Heater (208/240V 1PH) (4WCX3048-060A1)	BAYHTRV120E[]
18.78/25.0 KW Heater (208/240V 1PH) (4WCX3060A1)	BAYHTRV120E[]
SUPPLEMENTARY HEATERS (3 PHASE)	
3.76/5.0 KW Heater (208/240V 3PH) (4WCX3036-060A3)	BAYHTRV305E[]
6.0/8.0 KW Heater (208/240V 3PH) (4WCX3036-060A3)	BAYHTRV308E[]
7.50/10.0 KW Heater (208/240V 3PH) (4WCX3036-060A3)	BAYHTRV310E[]
11.27/15.00 KW Heater (208/240V 3PH) (4WCX3036-060A3)	BAYHTRV315E[]
15.00/20.0 KW Heater (208/240V 3PH) (4WCX3048-060A3)	BAYHTRV320E[]
18.78/25.0 KW Heater (208/240V 3PH) (4WCX3060A3)	BAYHTRV325E[]
5.0 KW Heater (480V 3PH) (4WCX3036-060A4)	BAYHTRV405E[]
8.0 KW Heater (480V 3PH) (4WCX3036-060A4)	BAYHTRV408E[]
10.0 KW Heater (480V 3PH) 4WCX3036-060A4)	BAYHTRV410E[]
15.00 KW Heater (480V 3PH) (4WCX3036-060A4)	BAYHTRV415E[]
20.0 KW Heater (480V 3PH) (4WCX3048-060A4)	BAYHTRV420E[]
25.0 KW Heater (480V 3PH) (4WCX3060A4)	BAYHTRV425E[]
Single Power Entry Kit ⑧	BAYSPEK060F[]
Single Power Entry Kit ⑧	BAYSPEK061E[]
Single Power Entry Kit ⑧	BAYSPEK062F[]
Single Power Entry Kit ⑧	BAYSPEK063F[]
Single Power Entry Kit ⑧	BAYSPEK064E[]
Single Power Entry Kit ⑧	BAYSPEK065E[]

- NOTES: ① Must use internal filter frame when economizer or fresh air kit is used.
 ② Dry bulb control standard with economizer.
 ③ Ships knocked down.
 ④ Downflow only.
 ⑤ Low Ambient cooling requires crankcase heater (BAYCCHT----).
 ⑥ It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
 ⑦ BAYCOVR112,118A will not cover BAYSQRD002A applications.
 ⑧ See table on page 8 for matching kit with units and heaters.

General Data

MODEL	4WCX3018A1000A	4WCX3024A1000A	4WCX3030B1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Performance Cooling BTUH^①	18000	22,800	29,200
Indoor Airflow (CFM)	675	750	1010
Power Input (KW)	1.68	2.07	2.65
EER/SEER (BTU/Watt-Hr.) ^⑥	11.0 / 13.0	11.0 / 13.0	11 / 13
Sound Power Rating [dB(A)] ^②	69	68	74
Performance Heating^①			
(High Temp.) BTUH	16800	22400	28,000
Power Input (KW)	1.33	1.77	2.40
(Low Temp.) BTUH	9400	12100	16,200
Power Input (KW)	1.28	1.25	2.04
HSPF (BTU / Watt-Hr.) ^⑥	7.70	7.70	7.70
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity ^③	10.6	16.1	17.0
Fuse Size — Max. (amps)	15	25	25
Fuse Size — Recmd. (amps)	15	25	25
COMPRESSOR		RECIPROCATING	RECIPROCATING
Volts/Ph/Hz	200-230/1/60	200-230/1/60	200-230/1/60
R.L. Amps — L.R. Amps	6.4 / 38.6	8.3 / 57.8	11.3 / 68.2
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	13.32	14.69	13.23
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	3 / 15	3 / 15
Face Area (sq.ft.)	3.54	3.54	3.54
Tube Size (in.)	3/8	3/8	3/8
Refrigerant 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	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23.4	23.4	23.4
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	2550	2520	2960
Motor — HP/R.P.M.	1/12 / 810	1/12 / 810	1/6 / 830
Volts/Ph/Hz	230/1/60	230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	0.5 / 0.95	0.54 / 0.95	1.0 / 1.7
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / 2	DIRECT / VARIABLE	DIRECT / 3
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	1/8 / 825	1/2 / VARIABLE	1/2/1080
Volts/Ph/Hz	200-230/1/60	200-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	1.0 / 1.5	4.3 / 4.3	2 / 4.4
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	4	4	4.0
REFRIGERANT	R410A	R410A	R410A
Charge (lbs.)	6.4	6.5	6.5
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	45.86 / 44.5 / 52.03	45.86 / 44.5 / 52.03	45.86 / 44.5 / 52.03
WEIGHT			
Shipping (lbs.) / Net (lbs.)	444 / 348	453 / 357	417 / 321

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WCX3036A1000B	4WCX3036A3000B	4WCX3036A4000B	4WCX3042B1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60	208-230/1/60
Performance Cooling BTUH^①	35000	35000	35000	40500
Indoor Airflow (CFM)	1200	1200	1200	1450
Power Input (KW)	3.18	3.18	3.18	3.78
EER/SEER (BTU/Watt-Hr.) ^⑥	11.0 / 13.0	11.0 / 13.0	11.0 / 13.0	10.7 / 13.0
Sound Power Rating [dB(A)] ^②	71	71	71	74
Performance Heating^①				
(High Temp.)BTUH	33200	33200	33200	40000
Power Input (KW)	2.81	2.81	2.81	3.45
(Low Temp.) BTUH	19900	19900	19900	24939
Power Input (KW)	3.18	3.48	3.18	3.16
HSPF (BTU / Watt-Hr.) ^⑥	7.70	7.70	7.70	7.70
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60	208-230/1/60
Min. Brch. Cir. Ampacity ^③	24.7	16.8	9.6	26.5
Fuse Size — Max. (amps)	40	25	15	40
Fuse Size — Recmd. (amps)	40	25	15	40
COMPRESSOR				SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60	208-230/1/60
R.L. Amps — L.R. Amps	16.7 / 79	10.4 / 73	5.8 / 38	17.9 / 112
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	13.32	18.01
Tube Size (in.)	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	4 / 15	3 / 15
Face Area (sq.ft.)	3.54	3.54	3.54	5
Tube Size (in.)	3/8	3/8	3/8	3/8
Refrigerant 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	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23.4	23.4	23.4	28.2
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	3260	3260	3260	4410
Motor — HP/R.P.M.	1/5 / 830	1/5 / 830	1/5 / 830	1/4 / 840
Volts/Ph/Hz	230/1/60	230/1/60	460/1/60	208-230/1/60
F.L. Amps/L.R. Amps	1.1 / 1.9	1.1 / 1.9	0.6 / 1.3	1.5 / 3.07
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 X 10	11 X 10
Drive/No. Speeds	DIRECT / 3	DIRECT / 3	DIRECT / 2	DIRECT / 3
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	1/2 / 1075	1/2 / 1075	1/2 / 1075	1/2 / 1075
Volts/Ph/Hz	200-230/1/60	200-230/1/60	460/1/60	208-230/1/60
F.L. Amps/L.R. Amps	2.7 / 5.8	2.7 / 5.8	1.7 / 3.12	2.5 / 3.2
FILTER / FURNISHED	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	4	4	4	5.3
REFRIGERANT	R410A	R410A	R410A	R410A
Charge (lbs.)	7.25	7.25	7.25	6.9
DIMENSIONS	H X W X L	H X W X L	H X W X L	H X W X L
Crated (in.)	45.86 / 44.5 / 52.03	45.86 / 44.5 / 52.03	45.86 / 44.5 / 52.03	47.86 / 47.4 / 61.75
WEIGHT				
Shipping (lbs.) / Net (lbs.)	468 / 372	468 / 372	568 / 372	572 / 444

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WCX3048A1000B	4WCX3048A3000B	4WCX3048A4000B
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Performance Cooling BTUH^①	46000	46000	46000
Indoor Airflow (CFM)	1600	1600	1600
Power Input (KW)	4.28	4.28	4.28
EER/SEER (BTU/Watt-Hr.) ^⑥	10.75 / 13.0	10.75 / 13.0	10.75 / 13.0
Sound Power Rating [dB(A)] ^②	73	73	73
Performance Heating^①			
(High Temp.)BTUH	43500	43500	43500
Power Input (KW)	3.64	3.64	3.64
(Low Temp.) BTUH	28200	28200	28200
Power Input (KW)	3.65	3.65	3.65
HSPF (BTU / Watt-Hr.) ^⑥	7.70	7.70	7.70
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Min. Brch. Cir. Ampacity ^③	32.7	22.5	10.7
Fuse Size — Max. (amps)	50	35	15
Fuse Size — Recmd. (amps)	50	35	15
COMPRESSOR			
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
R.L. Amps — L.R. Amps	21.8 / 117	13.7 / 83.1	6.2 / 41
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	18.01	18.01	18.01
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	3 / 15	3 / 15
Face Area (sq.ft.)	5.0	5.0	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant 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	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	28.0	27.6	27.6
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	4410	4410	4410
Motor — HP/R.P.M.	1/4 / 825	1/4 / 825	1/4 / 825
Volts/Ph/Hz	230/1/60	230/1/60	460/1/60
F.L. Amps/L.R. Amps	1.4 / 3.1	1.4 / 3.1	0.7 / 1.6
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / 3	DIRECT / 3	DIRECT / 2
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	3/4 / 1080	3/4 / 1080	3/4 / 1080
Volts/Ph/Hz	200-230/1/60	200-230/1/60	460/1/60
F.L. Amps/L.R. Amps	4.0 / 8.4	4.0 / 8.4	2.2 / 4.36
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	5.3	5.3	5.3
REFRIGERANT	R410A	R410A	R410A
Charge (lbs.)	7.75	7.75	7.75
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	47.86 / 47.4 / 61.75	47.86 / 47.4 / 61.75	47.86 / 47.4 / 61.75
WEIGHT			
Shipping (lbs.) / Net (lbs.)	553 / 425	553 / 425	553 / 425

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② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WCX3060A1000B	4WCX3060A3000B	4WCX3060A4000B
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Performance Cooling BTUH^①	58000	58000	58000
Indoor Airflow (CFM)	1850	1850	1850
Power Input (KW)	5.48	5.48	5.48
EER/SEER (BTU/Watt-Hr.) ^⑥	10.85 / 13.0	10.85 / 13.0	10.85 / 13.0
Sound Power Rating [dB(A)] ^②	72	72	72
Performance Heating^①			
(High Temp.) BTUH	55000	55000	55000
Power Input (KW)	4.80	4.80	4.80
(Low Temp.) BTUH	35200	35200	35200
Power Input (KW)	4.73	4.73	4.73
HSPF (BTU / Watt-Hr.) ^⑥	7.70	7.70	7.70
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Min. Brch. Cir. Ampacity ^③	41.9	28.5	18.1
Fuse Size — Max. (amps)	60	40	25
Fuse Size — Recmd. (amps)	60	40	25
COMPRESSOR			
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
R.L. Amps — L.R. Amps	26.3 / 134	15.6 / 110	7.8 / 52
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	20.54	20.54
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	5.0	5.0	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant 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	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	28.0	28.0	28.0
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	4410	4410	4410
Motor — HP/R.P.M.	1/4 / 825	1/4 / 825	1/4 / 825
Volts/Ph/Hz	230/1/60	230/1/60	460/1/60
F.L. Amps/L.R. Amps	1.4 / 3.5	1.4 / 3.5	0.7 / 1.6
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 10	11 X 10	11 X 10
Drive/No. Speeds	DIRECT / 3	DIRECT / 3	DIRECT / 3
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE
Motor — HP/R.P.M.	1 / 1075	1 / 1075	1 / 1075
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	7.6 / 7.4	7.6 / 7.4	7.6 / 7.4
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	5.3	5.3	5.3
REFRIGERANT	R410A	R410A	R410A
Charge (lbs.)	10.69	10.69	10.69
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	49.86 / 47.4 / 61.75	49.86 / 47.4 / 61.75	49.86 / 47.4 / 61.75
WEIGHT			
Shipping (lbs.) / Net (lbs.)	618 / 490	618 / 490	618 / 490

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

Heater Data

4WCX3018 to 4WCX3060

UNIT MODEL	ELECTRIC HEATER MODEL	RATED VOLTAGE	PHASE	AMPS	HEATER CAPACITY		NO. OF STAGES	KW/STAGE		MCA	MAX FUSE OR HACR CKT BKR SIZE (4)	CANADA ONLY MAX. CKT BKR SIZE (5)
					KW	BTUH		1	2			
^W/TC*3018-060±1 ^W/TCY4024-060±1 ^WCZ6036-060±1	BAYHTRV105E	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0		23/26	25/30	25/30
^W/TC*3018-060±1 ^W/TCY4024-060±1 ^WCZ6036-060±1	BAYHTRV108E	208/240	1	29/33	6.0/8.0	20500/27300	1	6.0/8.0		36/41	40/45	40/45
^W/TC*3024-060±1 ^W/TCY4024-060±1 ^WCZ6036-060±1	BAYHTRV110E	208/240	1	36/42	7.5/10.0	25600/34100	1	7.5/10.0		45/52	45/60	45/60
^W/TC*3030-060±1 ^W/TCY4030-060±1 ^WCZ6036-060±1	BAYHTRV115E#	208/240	1	54/63	11.27/15.0	38500/51200	2	7.5/10.0	3.76/5.0	68/78	70/80	70/80
^W/TC*3042-060±1 ^W/TCY4042-060±1 ^WCZ6048-060±1	BAYHTRV120E#	208/240	1	72/83	15.0/20.0	51200/68300	2	7.5/10.0	7.5/10.0	90/104	90/110	90/110
4WC*3042±1 ^W/TC*3060±1 ^W/TCY4042-060±1 ^WCZ6048-060±1	BAYHTRV125E#	208/240	1	90/104	18.78/25.0	64100/85300	2	11.26/15.0	7.5/10.0	113/130	125/150	125/150
^W/TC*3036-060±3 ^W/TCY4036-060±3 ^WCZ6036-060±3	BAYHTRV305E	208/240	3	10/12	3.76/5.0	12800/17100	1	3.76/5.0		13/15	15/15	15/15
^W/TC*3036-060±3 ^W/TCY4036-060±3 ^WCZ6036-060±3	BAYHTRV308E	208/240	3	17/19	6.0/8.0	20500/27300	1	6.0/8.0		21/24	25/25	25/25
^W/TC*3036-060±3 ^W/TCY4036-060±3 ^WCZ6036-060±3	BAYHTRV310E	208/240	3	21/24	7.5/10.0	25600/34100	1	7.5/10.0		26/30	30/30	30/30
^W/TC*3036-060±3 ^W/TCY4036-060±3 ^WCZ6036-060±3	BAYHTRV315E	208/240	3	31/36	11.27/15.0	38500/51200	2	7.5/10.0	3.76/5.0	39/45	40/45	40/45
^W/TC*3048-060±3 ^W/TCY4048-060±3 ^WCZ6048-060±3	BAYHTRV320E	208/240	3	42/48	15.0/20.0	51200/68300	2	7.5/10.0	7.5/10.0	52/60	60/60	60/60
^W/TC*3060±3 ^W/TCY4048-060±3 ^WCZ6048-060±3	BAYHTRV325E#	208/240	3	52/60	18.78/25.0	64100/85300	2	11.26/15.0	7.5/10.0	65/75	70/80	70/80
^W/TC*3036-060±4 ^WCZ6036-060±4	BAYHTRV405E	480	3	6	5.0	17100	1	5.0		8	15	15
^W/TC*3036-060±4 ^WCZ6036-060±4	BAYHTRV408E	480	3	10	8.0	27300	1	8.0		13	15	15
^W/TC*3036-060±4 ^WCZ6036-060±4	BAYHTRV410E	480	3	12	10.0	34100	1	10.0		15	15	15
^W/TC*3036-060±4 ^WCZ6036-060±4	BAYHTRV415E	480	3	18	15.0	51200	2	10.0	5.0	23	25	25
^W/TC*3048-060±4 ^WCZ6048-060±4	BAYHTRV420E	480	3	24	20.0	68300	2	10.0	10.0	30	30	30
^W/TC*3060±4 ^WCZ6048-060±4	BAYHTRV425E	480	3	30	25.0	85300	2	15.0	10.0	38	40	40

NOTES:

1. Any power supply and circuits must be wired and protected in accordance with local electrical codes.
 - (2) The MCA values listed are for electric heater only.
 3. Field wire must be rated at least 75°C
 - (4) The HACR circuit breaker is for U.S.A. installations only.
 - (5) For Canada installation reference only.
- # Heater uses fuses.

Single Power Entry Kit Data

4WCX3018A to 4WCX3060A

SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL
BAYSPEK060F	BAYHTRV105E	2WC*3024-048A1; 4WC*3018-036A1; 4TC*3018-048A1 ; 4TCY4024-060A1; 4WCY4024-036A1; 4WCZ6036A1
	BAYHTRV108E	2WC*3024-030A1; 4WC*3018-024A1; 4TC*3018-048A1; 4TCY4024-060A1; 4WCY4024A1
	BAYHTRV110E	4TC*3024-048A1; 4TCY4024-036A1
BAYSPEK061E	BAYHTRV305E	4WC*3036-060A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
	BAYHTRV308E	4WC*3036-060A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
	BAYHTRV310E	4WC*3036-048A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-048A3; 4WCZ6036-048A3
	BAYHTRV315E	4TC*3036-060A3; 4TCY4036-060A3
	BAYHTRV405E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV408E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV410E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV415E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV420E	4WC*3048-060A4; 4TC*3048-060A4; 4WCZ6048-060A4
BAYSPEK062F	BAYHTRV105E	4WC*3042-060A1; 2WC*3060A1; 4TC*3060A1; 4WCY4042-060A1; 4WCZ6048-060A1
	BAYHTRV108E	4TC*3060A1; 2WC*3036-060A1; 4WC*3030-060A1; 4WCY4030-060A1; 4WCZ6036-060A1
	BAYHTRV110E	2WC*3024-060A1; 4WC*3024-060A1; 4TC*3060A1; 4TCY4042-060A1; 4WCY4024-060A1; 4WCZ6036-060A1
BAYSPEK063F	BAYHTRV115E	2WC*3030-060A1; 4WC*3030-060A1; 4TC*3030-060A1; 4TCY4030-060A1; 4WCY4030-060A1; 4WCZ6036-060A1
	BAYHTRV120E	2WC*3048-060A1; 4WC*3042-060A1; 4TC*3048-060A1; 4TCY4048-060A1; 4WCY4042-060A1; 4WCZ6042-060A1
BAYSPEK064E	BAYHTRV315E	4WC*3036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
	BAYHTRV320E	4WC*3048-060A3; 4TC*3048-060A3; 4TCY4048-060A3; 4WCY4048A-060A3; 4WCZ6048-060A3
BAYSPEK065E	BAYHTRV310E	4WC*3060A3; 4WCY4060A3; 4WCZ6060A3

Indoor Blower Performance

Indoor Fan Performance 4WC*3018A1

Horizontal Airflow

4WC*3018A1-HOR		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
LOW	WATTS	157	155	152	148	-	-	-	-	-	-	-
	CFM	715	652	578	507	-	-	-	-	-	-	-
HIGH	WATTS	-	276	267	254	239	224	210	-	-	-	-
	CFM	-	1103	1043	967	864	737	600	-	-	-	-

Down Airflow

4WC*3018A1-DOWN		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
LOW	WATTS	158	156	152	147	-	-	-	-	-	-	-
	CFM	690	641	565	479	-	-	-	-	-	-	-
HIGH	WATTS	-	269	260	251	238	224	211	206	-	-	-
	CFM	-	1038	990	929	829	696	561	435	-	-	-

Indoor Fan Performance 4WC*3024B

Horizontal Airflow

4WC*3024B-HOR		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
LOW	WATTS		210	206	199	190	180	170	-	-	-	-	-
	CFM		865	797	748	683	593	492	-	-	-	-	-
HIGH	WATTS		-	-	366	350	331	307	285	273	-	-	-
	CFM		-	-	1273	1179	1055	896	722	575	-	-	-

Down Airflow

4WC*3024B-DWN		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
LOW	WATTS		210	205	197	187	177	167	-	-	-	-	-
	CFM		825	780	730	659	563	453	-	-	-	-	-
HIGH	WATTS		-	-	357	341	326	310	294	276	-	-	-
	CFM		-	-	1181	1098	1002	881	729	550	-	-	-

Indoor Blower Performance

Indoor Fan Performance 4WC*3030B

Horizontal Airflow

4WC*3030B-HOR		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
LOW	WATTS	275	267	263	258	248	-	-	-	-	-	-
	CFM	992	930	881	823	746	-	-	-	-	-	-
MEDIUM	WATTS	350	342	334	324	311	296	280	-	-	-	-
	CFM	1164	1120	1067	1002	921	826	720	-	-	-	-
HIGH	WATTS	-	-	572	558	542	523	501	473	-	-	-
	CFM	-	-	1463	1390	1306	1210	1088	912	-	-	-

Down Airflow

4WC*3030B-DOWN		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
LOW	WATTS	275	270	264	256	245	-	-	-	-	-	-
	CFM	974	910	861	800	716	-	-	-	-	-	-
MEDIUM	WATTS	352	341	332	323	312	298	283	-	-	-	-
	CFM	1151	1096	1039	977	903	812	698	-	-	-	-
HIGH	WATTS	-	-	574	552	533	517	498	466	-	-	-
	CFM	-	-	1434	1337	1243	1151	1036	842	-	-	-

Indoor Fan Performance 4WC*3036

Horizontal Airflow

4WC*3036A-HOR		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
LOW	WATTS	351	342	335	327	314	-	-	-	-	-	-
	CFM	1154	1111	1067	1008	930	-	-	-	-	-	-
MEDIUM	WATTS	447	434	424	412	397	378	-	-	-	-	-
	CFM	1348	1301	1251	1189	1110	1012	-	-	-	-	-
HIGH	WATTS	-	-	675	658	640	619	594	563	-	-	-
	CFM	-	-	1545	1490	1418	1311	1169	1012	-	-	-

Down Airflow

4WC*3036A-DOWN		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
LOW	WATTS	349	341	331	319	305	-	-	-	-	-	-
	CFM	1138	1083	1017	948	878	-	-	-	-	-	-
MEDIUM	WATTS	450	433	420	407	392	374	-	-	-	-	-
	CFM	1325	1263	1200	1133	1058	970	-	-	-	-	-
HIGH	WATTS	-	-	669	652	631	605	579	562	-	-	-
	CFM	-	-	1517	1436	1336	1219	1095	980	-	-	-

Indoor Blower Performance

Indoor Fan Performance 4WC*3042B

Horizontal Airflow

4WC*3042B-HOR		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
LOW	WATTS	458	450	447	443	436	424	409	395	-	-	-
	CFM	1320	1290	1278	1266	1243	1205	1156	1104	-	-	-
MED	WATTS	544	542	535	526	515	503	487	463	426	-	-
	CFM	1501	1506	1490	1466	1440	1408	1362	1282	1143	-	-
HIGH	WATTS	-	633	621	610	595	574	548	519	492	-	-
	CFM	-	1705	1686	1663	1628	1578	1508	1416	1300	-	-

Down Airflow

4WC*3042B-DOWN		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
LOW	WATTS	455	447	443	438	430	417	402	388	-	-	-
	CFM	1328	1311	1290	1266	1239	1204	1151	1064	-	-	-
MEDIUM	WATTS	540	526	520	513	502	485	464	442	428	-	-
	CFM	1533	1506	1483	1457	1424	1379	1319	1240	1138	-	-
HIGH	WATTS	-	606	596	588	575	556	529	503	486	493	-
	CFM	-	1681	1654	1631	1594	1535	1455	1365	1284	1240	-

Indoor Fan Performance 4WCX3048A

Horizontal Airflow

4WC*3048 -HOR		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
LOW	WATTS	585	575	563	546	526	502	476	-	-	-	-
	CFM	1530	1520	1494	1455	1405	1343	1270	-	-	-	-
MED	WATTS	699	689	671	647	619	587	550	510	-	-	-
	CFM	1810	1783	1743	1691	1627	1548	1450	1325	-	-	-
HIGH	WATTS	-	966	944	914	878	837	794	753	721	-	-
	CFM	-	2217	2157	2086	1993	1874	1740	1611	1519	-	-

Down Airflow

4WC*3048 -DOWN		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
LOW	WATTS	573	565	547	524	503	483	462	-	-	-	-
	CFM	1533	1519	1478	1426	1372	1315	1248	-	-	-	-
MED	WATTS	677	659	639	615	589	561	531	498	-	-	-
	CFM	1771	1734	1688	1632	1567	1490	1398	1290	-	-	-
HIGH	WATTS	-	909	882	859	832	797	759	726	712	-	-
	CFM	-	2095	2024	1956	1873	1769	1651	1537	1456	-	-

Indoor Blower Performance

Indoor Fan Performance 4WCX3060A

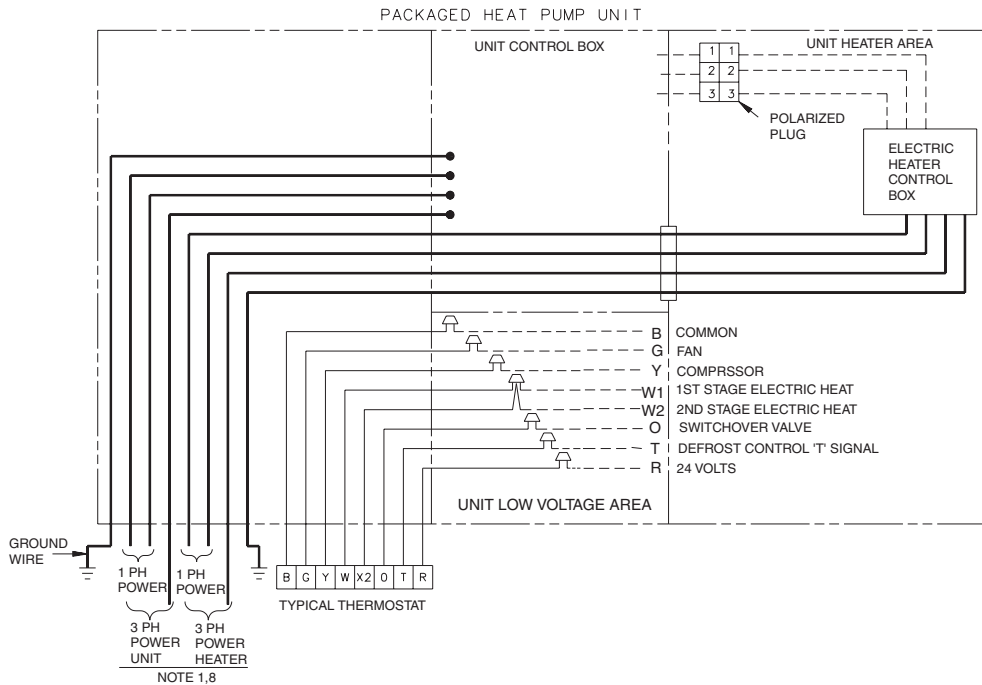
Horizontal Airflow

4WC*3060A-HOR		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
LOW	WATTS	475	482	497	513	527	540	551	566	-	-	-
	CFM	1935	1888	1855	1826	1796	1762	1728	1698	-	-	-
MEDIUM	WATTS	602	639	656	665	675	689	706	722	729	-	-
	CFM	2081	2076	2051	2018	1987	1959	1934	1905	1860	-	-
HIGH	WATTS	-	-	775	789	802	816	831	844	854	856	-
	CFM	-	-	2173	2144	2114	2083	2050	2018	1990	1973	-

Down Airflow

4WC*3060A-DOWN		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
LOW	WATTS	498	510	523	536	548	560	573	589	-	-	-
	CFM	1902	1854	1827	1805	1777	1740	1697	1659	-	-	-
MEDIUM	WATTS	649	668	683	695	707	720	734	747	756	-	-
	CFM	2099	2063	2024	1989	1959	1934	1908	1874	1820	-	-
HIGH	WATTS	-	798	813	824	834	843	853	865	879	897	-
	CFM	-	2176	2150	2112	2076	2046	2021	1992	1943	1851	-

Typical 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 HEATER NAMEPLATE FOR CURRENT RATING OF HEATER USED.
5. SEE UNIT AND HEATER DIAGRAM FOR ELECTRICAL CONNECTION DETAILS.
6. IF ELECTRIC HEATER ACCESSORY IS NOT INSTALLED OMIT THE ELECTRIC HEATER, ASSOCIATED POWER WIRES AND THE 'W' AND 'X2' THERMOSTAT WIRES.
7. FIG. 3 DEMONSTRATES CONNECTION OF THE OUTDOOR THERMOSTAT ACCESSORY ONLY. FOR FURTHER UNIT CONNECTION DETAILS REFER TO THE OTHER FIGURES.
8. THE W1 WIRE IS FIRST STAGE ELECTRIC HEAT. IF THE ELECTRIC HEATER ACCESSORY HAS TWO HEATING STAGES THE W2 WIRE IS SECOND STAGE ELECTRIC HEAT.
9. WHEN THE BAYECON101A/102A or BAYECON200A/201A ECONOMIZER IS INSTALLED, THE BAYRLAY004A RELAY ACCESSORY KIT IS REQUIRED TO INTERFACE THE ECONOMIZER TO THE HEAT PUMP FOR PROPER SYSTEM OPERATION.
10. THE BAYSTAT033A OUTDOOR THERMOSTAT ACCESSORY KIT CONTAINS A THERMOSTAT AND A RELAY. THE RELAY IS NOT REQUIRED TO BE USED IN THIS APPLICATION.

FIG. 1 SINGLE POWER ENTRY ACCESSORY CONNECTIONS

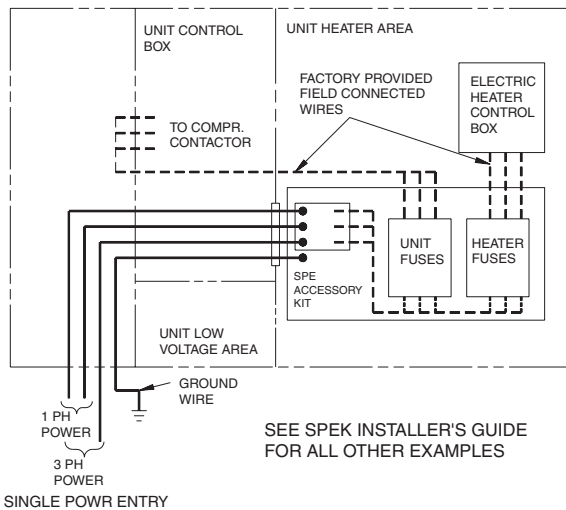


FIG. 2 ECONOMIZER ACCESSORY CONNECTIONS

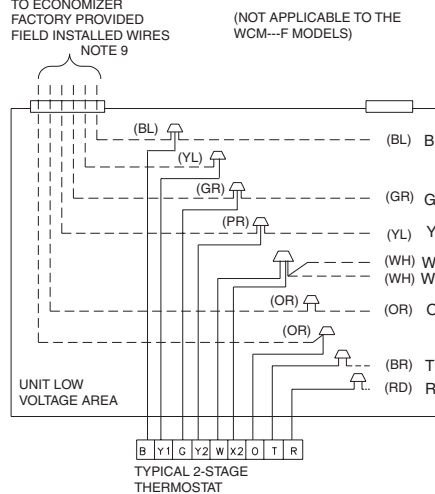
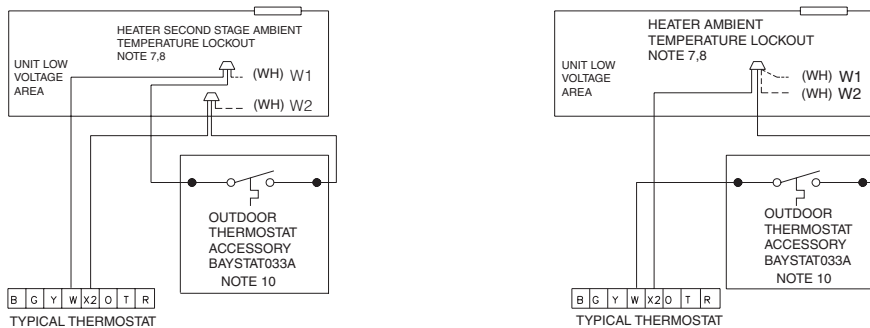


FIG. 3 OUTDOOR THERMOSTAT ACCESSORY CONNECTIONS



INTER-COMPONENT WIRING

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

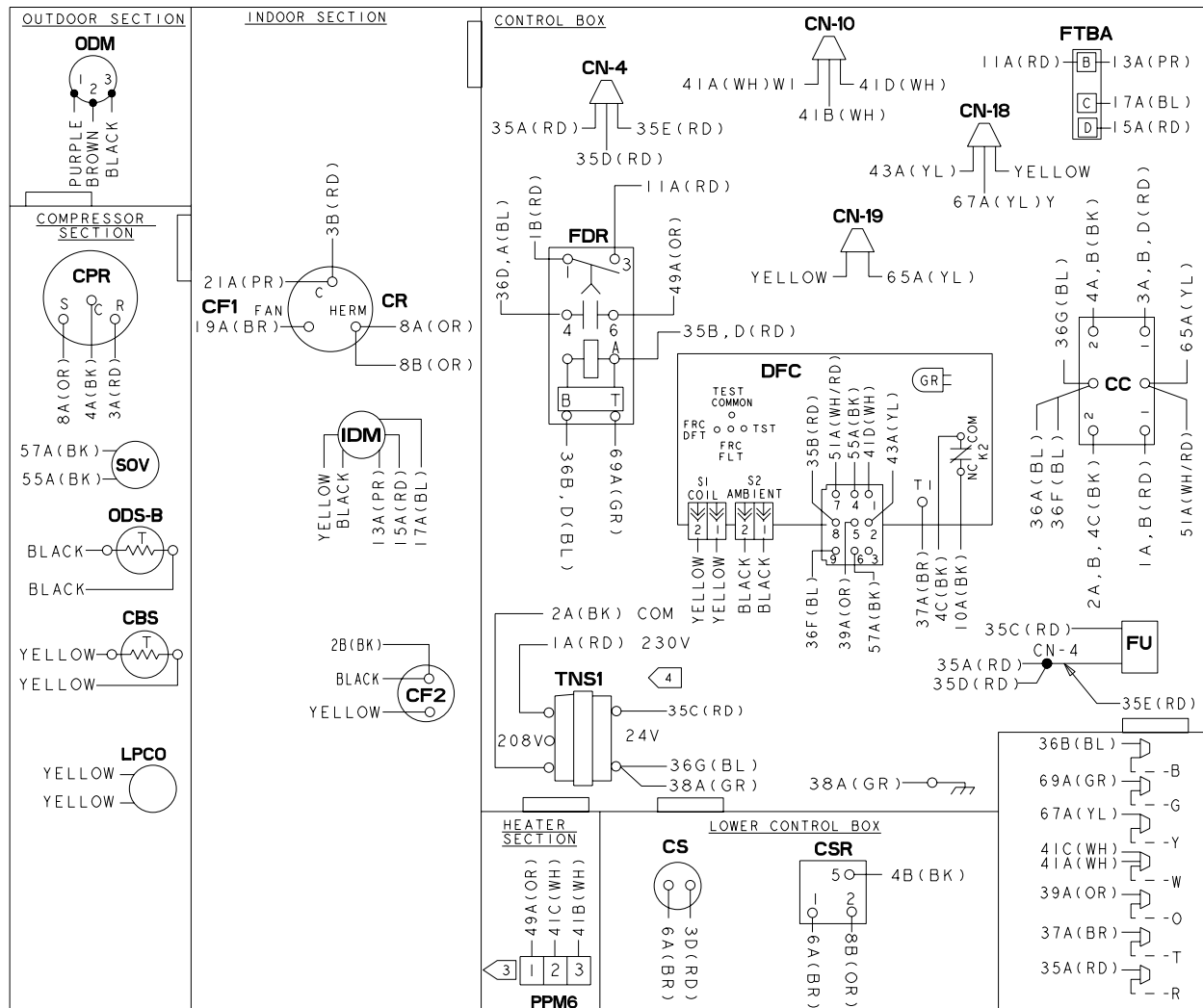
----- 24V. LINE V. } FIELD WIRING

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

Typical Wiring

Models 4WCX3048 and 4WCX3060

See Service Facts for detailed wiring diagrams of the individual models



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 MIN. OF 18 A.W.G.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: AT TNS1 REMOVE ID(RD) WIRE AND CONNECT TO 208V TERMINAL ON THE TRANSFORMER.
5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105° C.
6. "T" TERMINAL IS NOT CONNECTED WHEN AN ELECTRONIC THERMOSTAT IS USED.

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		

DEVICE	DESCRIPTION	LINE
AH, BH	CONTACTOR ELECTRIC HEAT	41, 42
CBS	COIL BOTTOM SENSOR	32
CC	COMPRESSOR CONTACTOR COIL	45
CF1	OUTDOOR FAN CAPACITOR	17
CF2	INDOOR MOTOR CAPACITOR	23
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	15
CR	COMPRESSOR RUN CAPACITOR	15
CS	COMPRESSOR START CAPACITOR	11
CSR	COMPRESSOR START RELAY COIL	11
DFC	DEFROST CONTROL	29-38
FDR	INDOOR FAN DELAY RELAY	41, 47
FTBA	FAN TERMINAL BLOCK	23-25
FU	FUSE	29
IDM	INDOOR FAN MOTOR	24
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	20
ODS	OUTDOOR AMBIENT SENSOR	35
PCB	PRINTED CIRCUIT BOARD	47-49
PPM6	HEATER PLUG (FEMALE)	41, 42
SOV	SWITCHOVER VALVE	38
TNS1	CONTROL POWER TRANSFORMER	28
LPCO	LOW PRESSURE SWITCH	44

See Service Facts for detailed wiring diagrams of the individual models

UNIT FACTORY WIRED
FOR 230V
SEE WIRING DIAGRAM NOTES FOR
REQUIRED WIRING CHANGES WHEN
INSTALLED ON A 208V POWER SUPPLY.

2WC * 3048A1

AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES DISJONCTEURS
SITUES A DISTANCE AVANT D'EFFECTUER
L'ENTRETIEN. RALUITE DE CONNEXION
LA SOURCE ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAENER DES
BLESSURES CORPORELLES SEVERES
OU LA MORT.

CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE
TO THE EQUIPMENT.

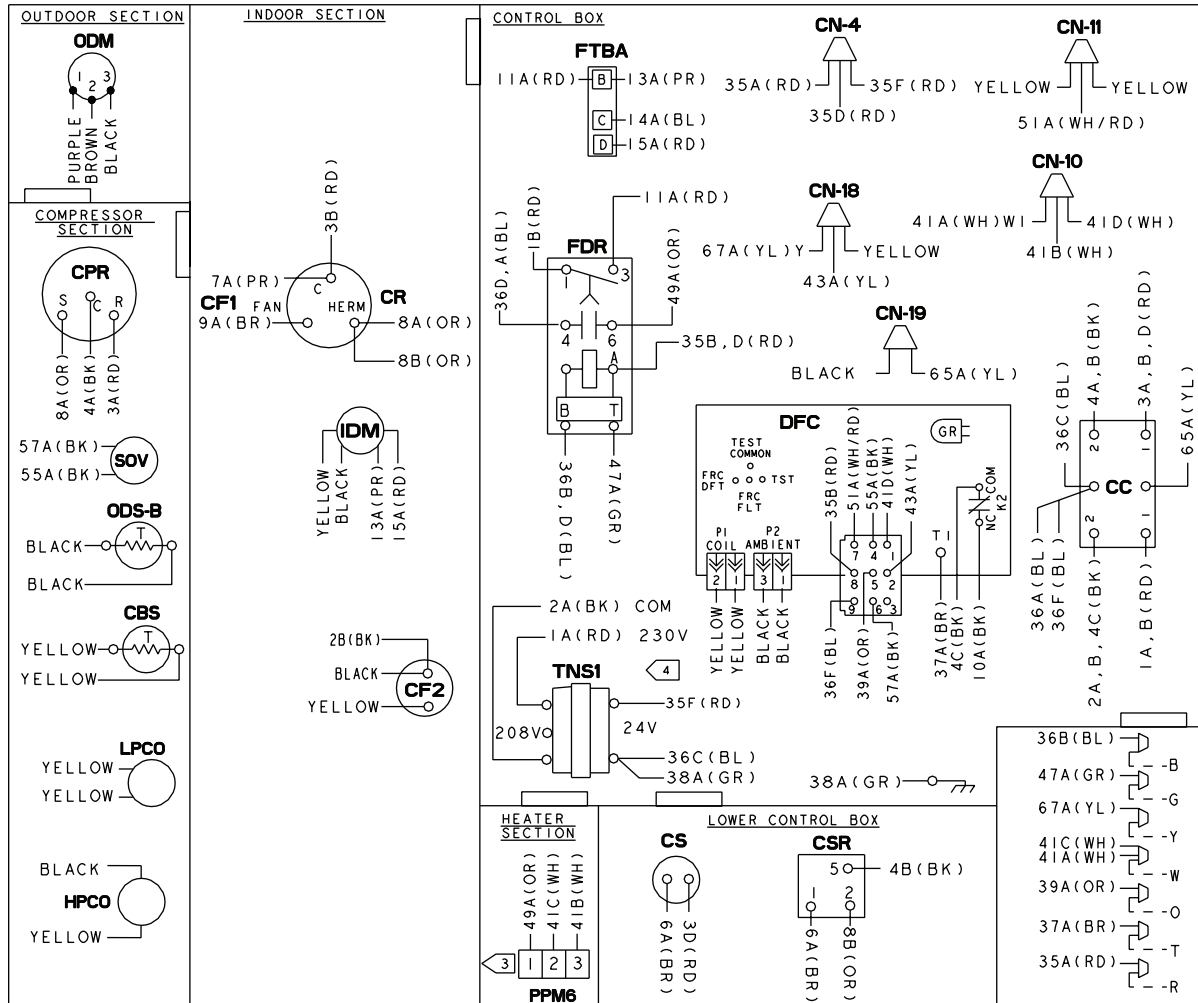


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WARNING: Do NOT connect 24 VAC to T1 terminal.
ODS-B thermister WILL BE BLOWN.

Typical Wiring

Model 4WCX3030



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 MIN. OF 18 A.W.G.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: AT TNSI REMOVE ID(RD) WIRE AND CONNECT TO 208V TERMINAL ON THE TRANSFORMER.
5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105° C.
6. "T" TERMINAL IS NOT CONNECTED WHEN AN ELECTRONIC THERMOSTAT IS USED.

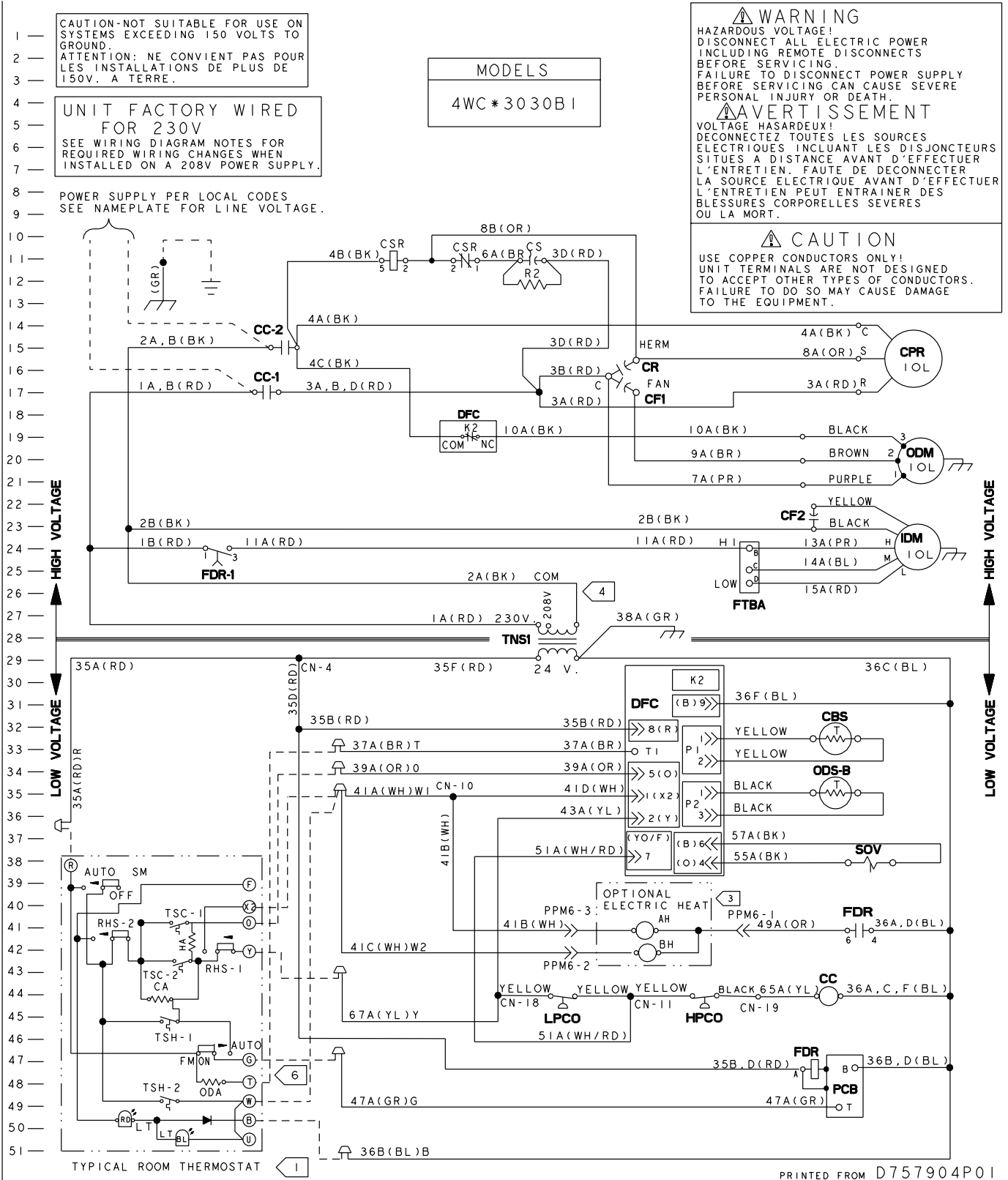
WIRE	COLOR	WIRE	COLOR
ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE
BL	BLUE	RD	RED
BR	BROWN	WH	WHITE
GR	GREEN	YL	YELLOW
OR	ORANGE		

DEVICE	DESCRIPTION	LINE
AH, BH	CONTACTOR ELECTRIC HEAT	41, 42
CBS	COIL BOTTOM SENSOR	32
CC	COMPRESSOR CONTACTOR COIL	45
CF1	OUTDOOR FAN CAPACITOR	17
CF2	INDOOR MOTOR CAPACITOR	23
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	15
CR	COMPRESSOR RUN CAPACITOR	15
CS	COMPRESSOR START CAPACITOR	11
CSR	COMPRESSOR START RELAY COIL	11
DFC	DEFROST CONTROL	29-38
FDR	INDOOR FAN DELAY RELAY	41, 47
FTBA	FAN TERMINAL BLOCK	23-25
IDM	INDOOR FAN MOTOR	24
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	20
ODS	OUTDOOR AMBIENT SENSOR	35
PCB	PRINTED CIRCUIT BOARD	47-49
PPM6	HEATER PLUG (FEMALE)	41, 42
SOV	SWITCHOVER VALVE	38
TNSI	CONTROL POWER TRANSFORMER	28
LPCO	LOW PRESSURE SWITCH	44
HPCO	HIGH PRESSURE SWITCH	44

PRINTED FROM D757904P01

IMPORTANT: Retain this wiring diagram; please return this document to service information pack upon completion of work.

Typical Wiring



⚠ WARNING: Do NOT connect 24 VAC to T1 terminal on DFC. ODS-B thermister WILL BE BLOWN.

IMPORTANT: Retain this wiring diagram; please return this document to service information pack upon completion of work.

Model 4WCX3042

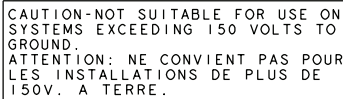


- | WIRE COLOR DESIGNATION | | | |
|------------------------|--------|------|--------|
| ABBR | COLOR | ABBR | COLOR |
| BK | BLACK | PR | PURPLE |
| BL | BLUE | RD | RED |
| BR | BROWN | WH | WHITE |
| GR | GREEN | YL | YELLOW |
| OR | ORANGE | | |

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Model 4WCX3042



UNIT FACTORY WIRED
FOR 230V
SEE WIRING DIAGRAM NOTES FOR
REQUIRED WIRING CHANGES WHEN
INSTALLED ON A 208V POWER SUPPLY.

POWER SUPPLY PER LOCAL CODES
SEE NAMEPLATE FOR LINE VOLTAGE

MODELS

4WC * 3042BI

 WARNING

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER SUPPLY
BEFORE SERVICING CAN CAUSE SEVERE
PERSONAL INJURY OR DEATH.

⚠ AVERTISSEMENT

VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES DISJONCTEURS
SITUES A DISTANCE AVANT D'EFFECTUER
L'ENTRETIEN. FAUTE DE DECONNECTER
LA SOURCE ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAINDER DES
BLESSURES CORPORELLES SEVERES
OU LA MORT.

 CAUTION

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE
TO THE EQUIPMENT.

HIGH VOLTAGE

HIGH VOLTAGE

LOW VOLTAGE

LOW VOLTAGE

TYPICAL ROOM THERMOSTAT

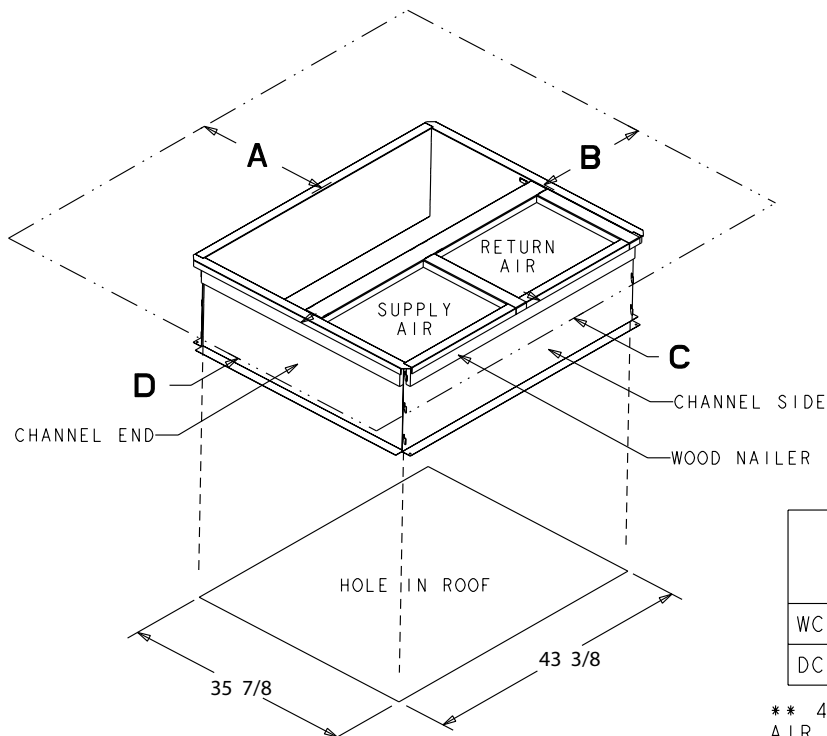
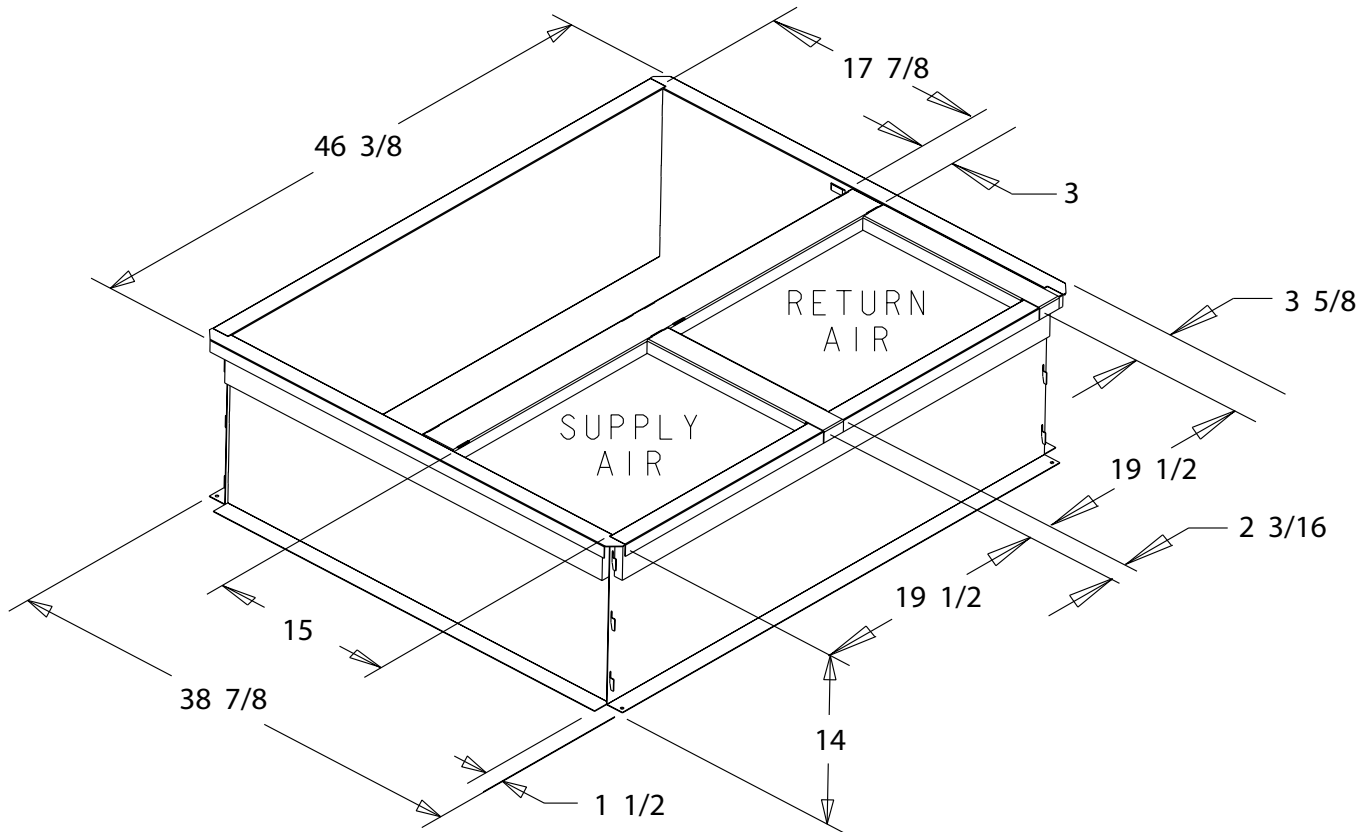
PRINTED FROM D757908P02

⚠ WARNING: Do NOT connect 24 VAC to T1 terminal on DFC. ODS-B thermister WILL BE BLOWN.

21

Optional Equipment

BAYCURB050A FULL PERIMETER ROOF MOUNTING CURB FOR 4WCX3018-036

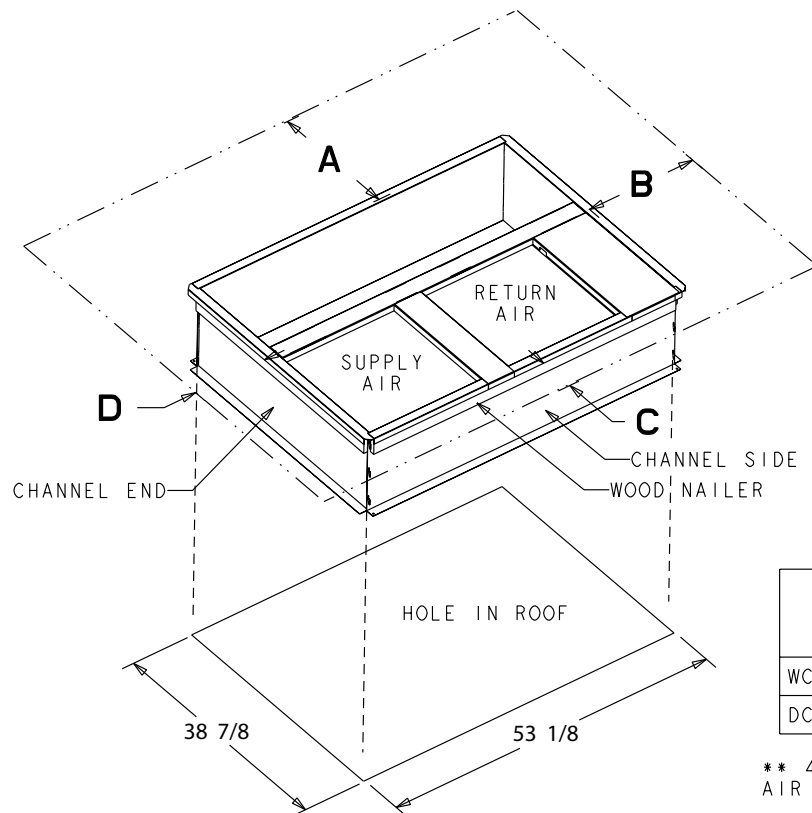
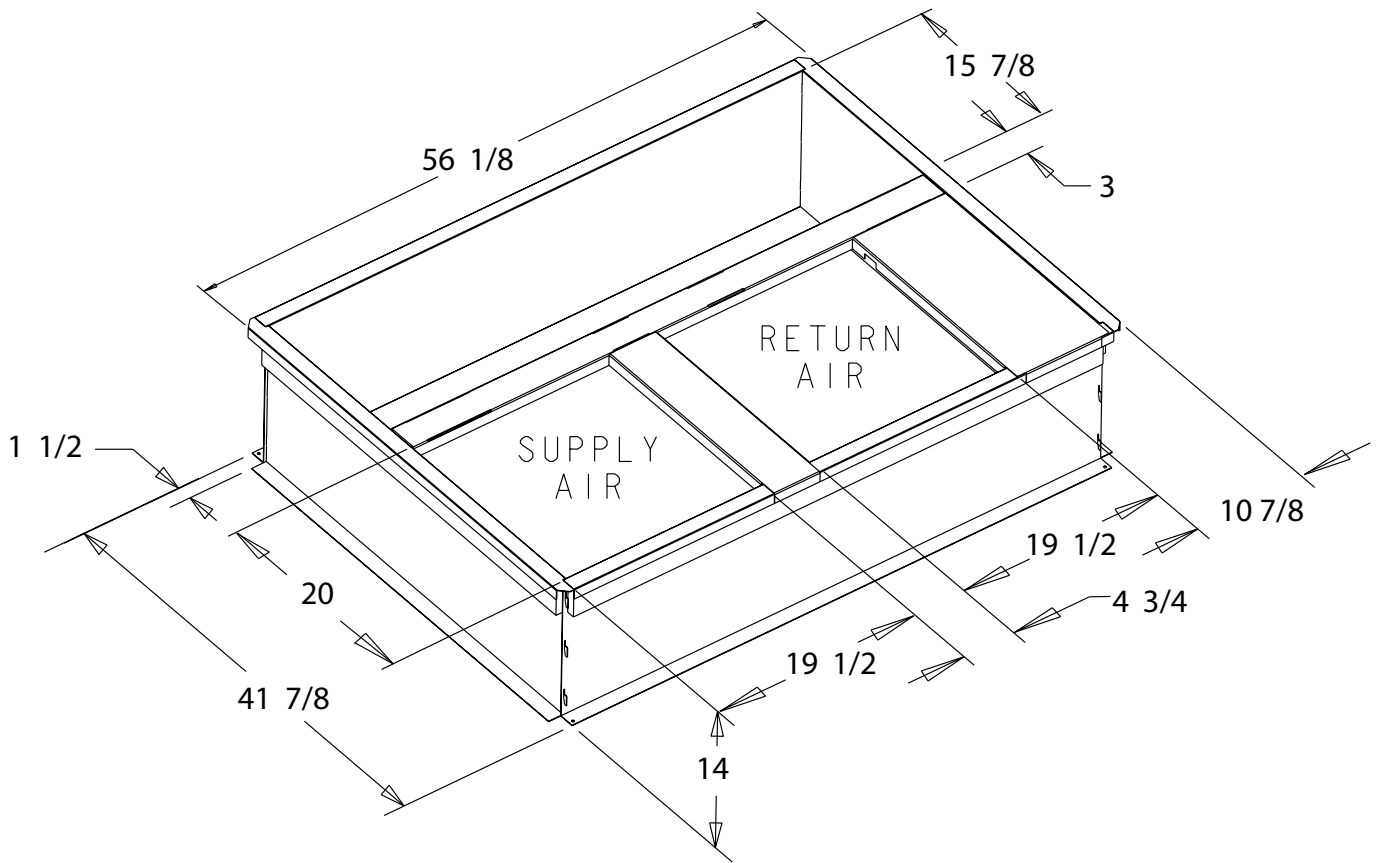


	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Optional Equipment

BAYCURB051A Full Perimeter Roof Mounting Curb for 4WCX042-060

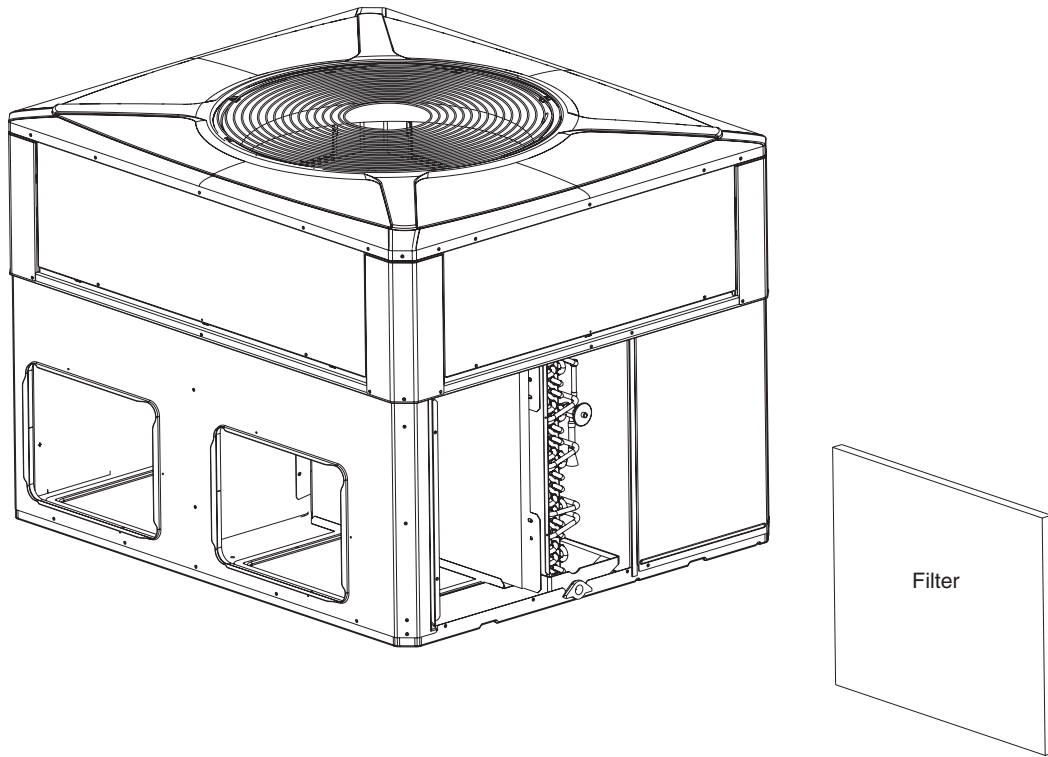


	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

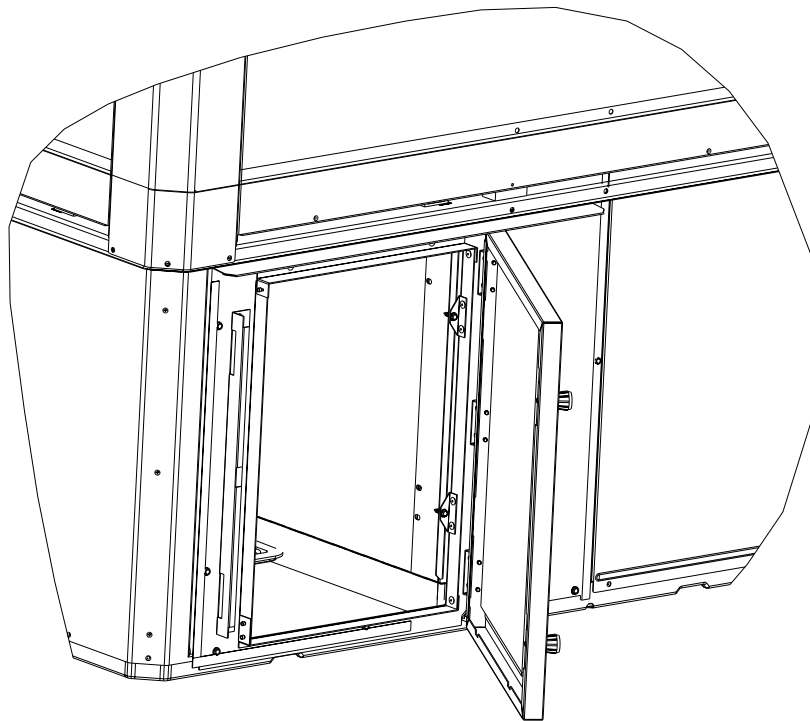
** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Optional Equipment

BAYFLTR101, 201B, 1" - 2" Filter Rack (Mounts in Filter/Coil Section)



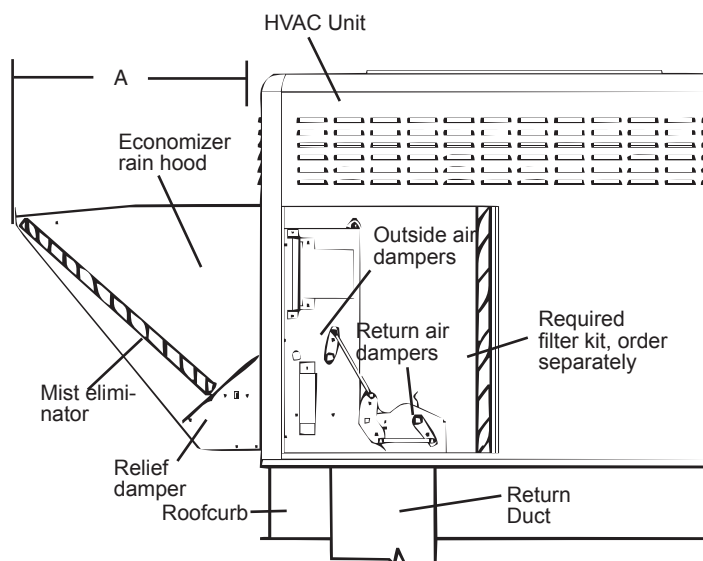
BAYACCDOR1A & BAYACCDOR2A Hinged Filter Access Door Replaces Filter/Coil Access Panel



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.

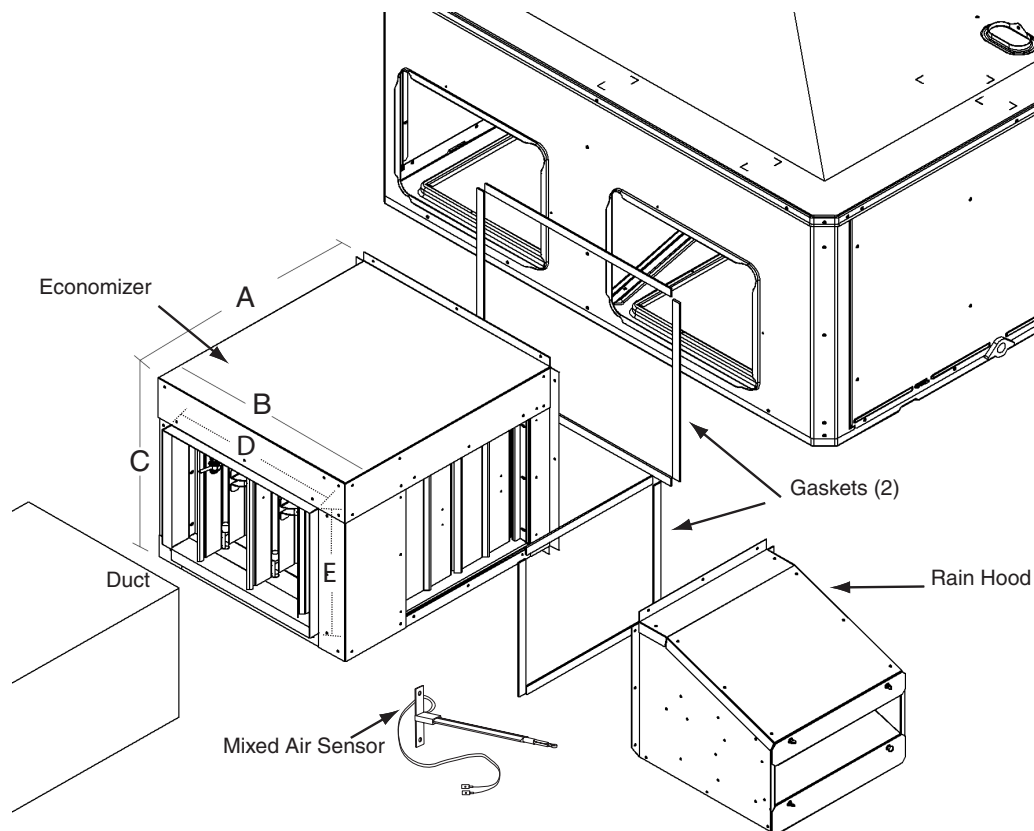
Optional Equipment

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



Economizer	Unit Application Models	A
BAYECO-N101A	4TC*,WC*,YC*,DC* *018-036	20.125"
BAYECO-N102A	4TC*,WC*,YC*,DC* *042-060	24.375"

BAYCON200,201A Horizontal Economizer and Rain Hood



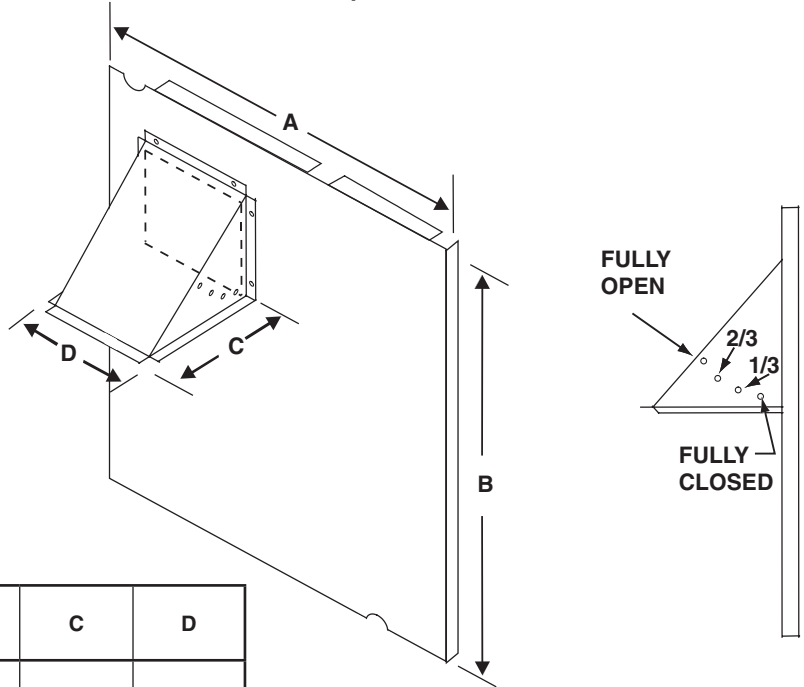
The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these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

Economizer	A	B	C	D	E	F
BAYECON200AA	22"	20"	16-7/8"	15-11/16"	11-11/16"	15"
BAYECON201AA	26"	22-21/32"	19"	17-11/16"	14-11/16"	21-3/8"

Optional Equipment

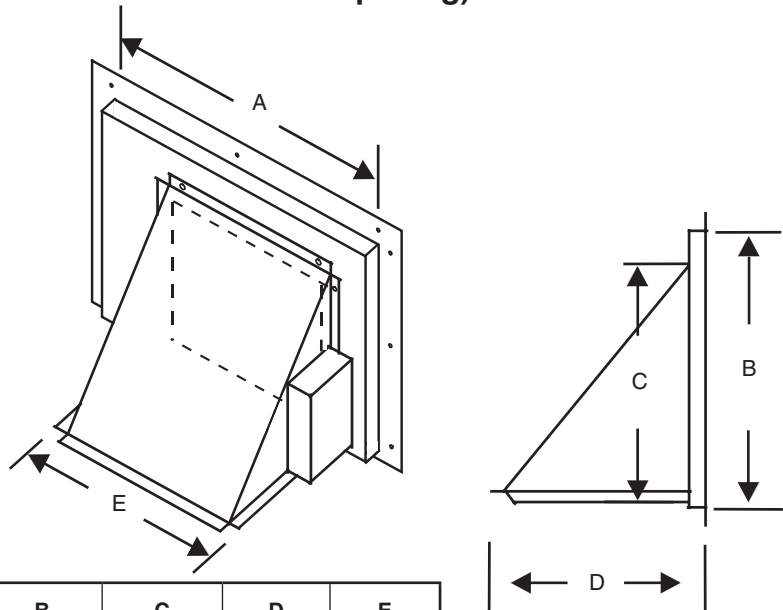
BAYOSAH001,002A, 25% Outside Air Damper (Replaces Filter/Coil Access Panel)

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Manual Fresh Air Model	Unit Application Models	A	B	C	D
BAYOSAH001	4YC,WC3018-036 4TC*3018-036 4W/T/Y/DCY4024-036 4W/Y/DCZ6036	22 7/16"	20 11/16"	12 3/8"	9 3/16"
BAYOSAH002	4YC,WC3042-060 4TC*3042-060 4W/T/Y/DCY4042-060 4W/Y/DCZ6048-060	25 3/16"	20 11/16"	12 3/8"	9 3/16"

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



	Unit Application Models	A	B	C	D	E
BAYDMPR101A	4YC,WC3018-036 4TC3018-036 4W/T/Y/DCY4024-036 4W/Y/DCZ6036	15 13/16"	11 13/16"	10 1/4"	11 1/2"	12 1/4"
BAYDMPR102A	4YC,WC3042-060 4TC3042-060 4W/T/Y/DCY4042-060 4W/Y/DCZ6048-060	18 3/16"	15 1/8"	10 1/4"	11 1/2"	12 1/4"

Dimensional Data and Weights

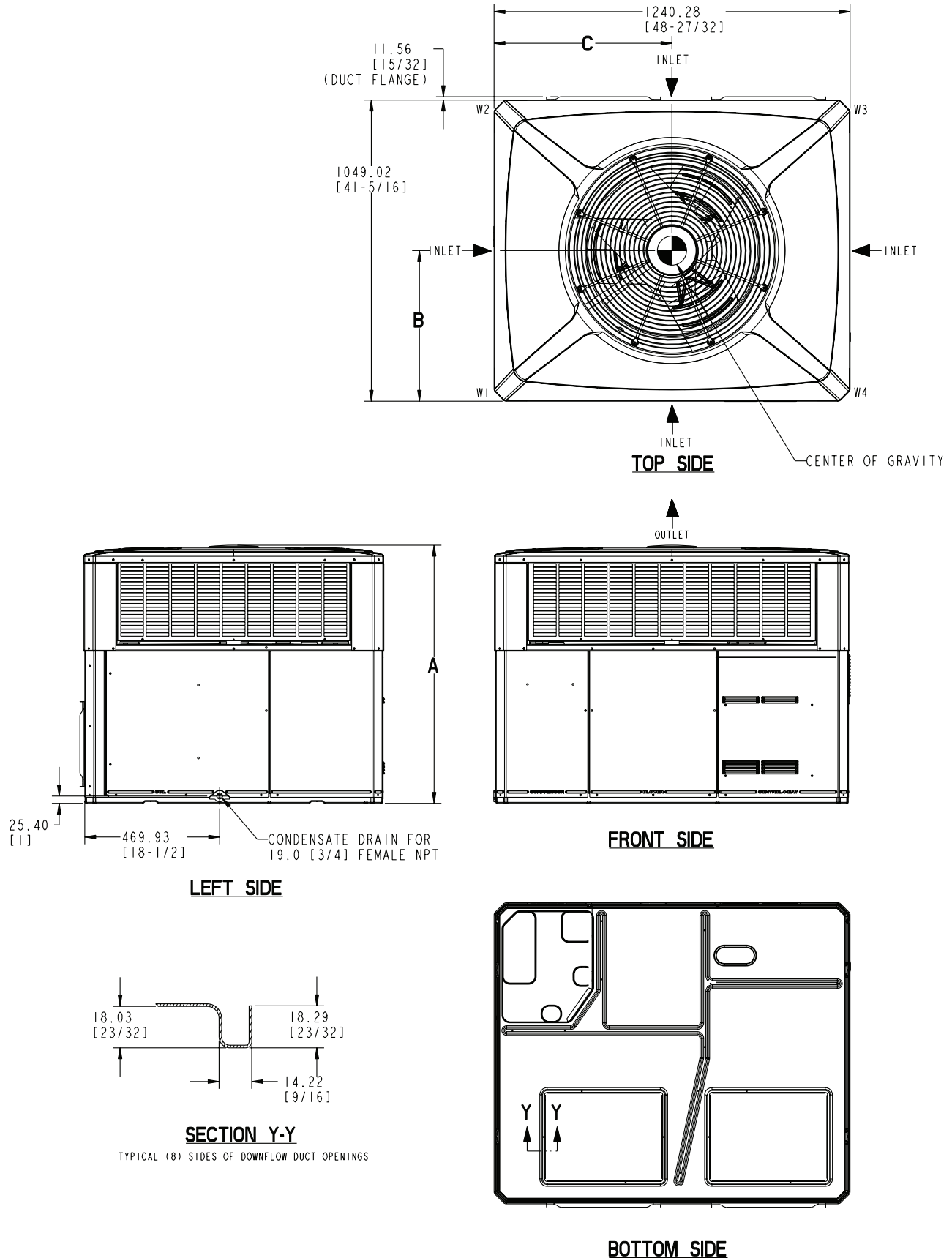
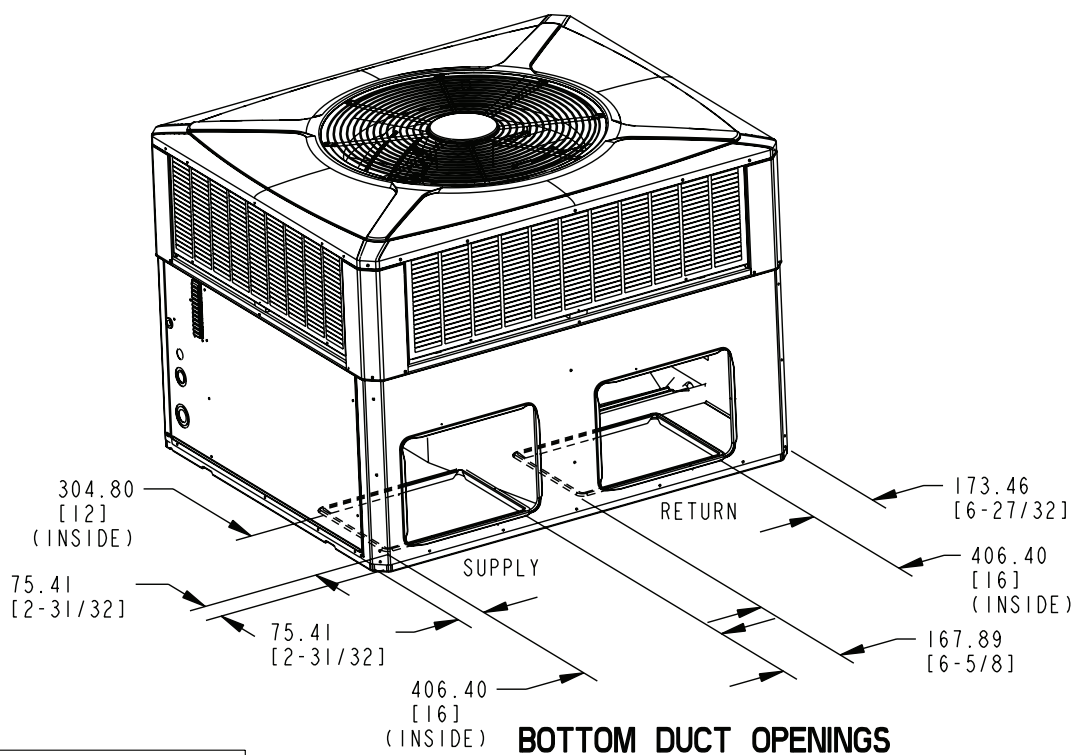


Figure 1. 4WCX3018 through 4WCX3036 (1 of 3)

Dimensional Data and Weights



RECOMMENDED SERVICE CLEARANCE MM/IN.		
		WITH ECONOMIZER
BACK SIDE	304.8 [12]	762.0 [30]
LEFT SIDE	762.0 [30]	914.4 [36]
RIGHT SIDE	609.6 [24]	-
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	152.4 [6]
FRONT SIDE	304.8 [12]
TOP	914.4 [36]

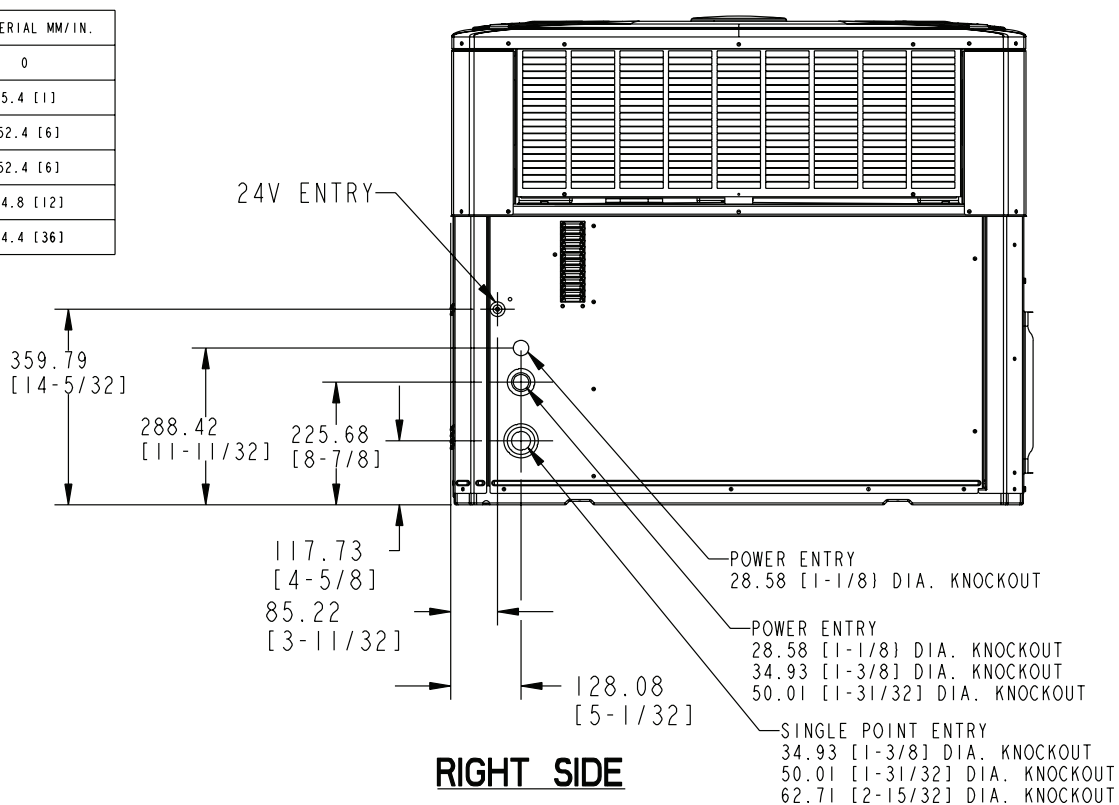
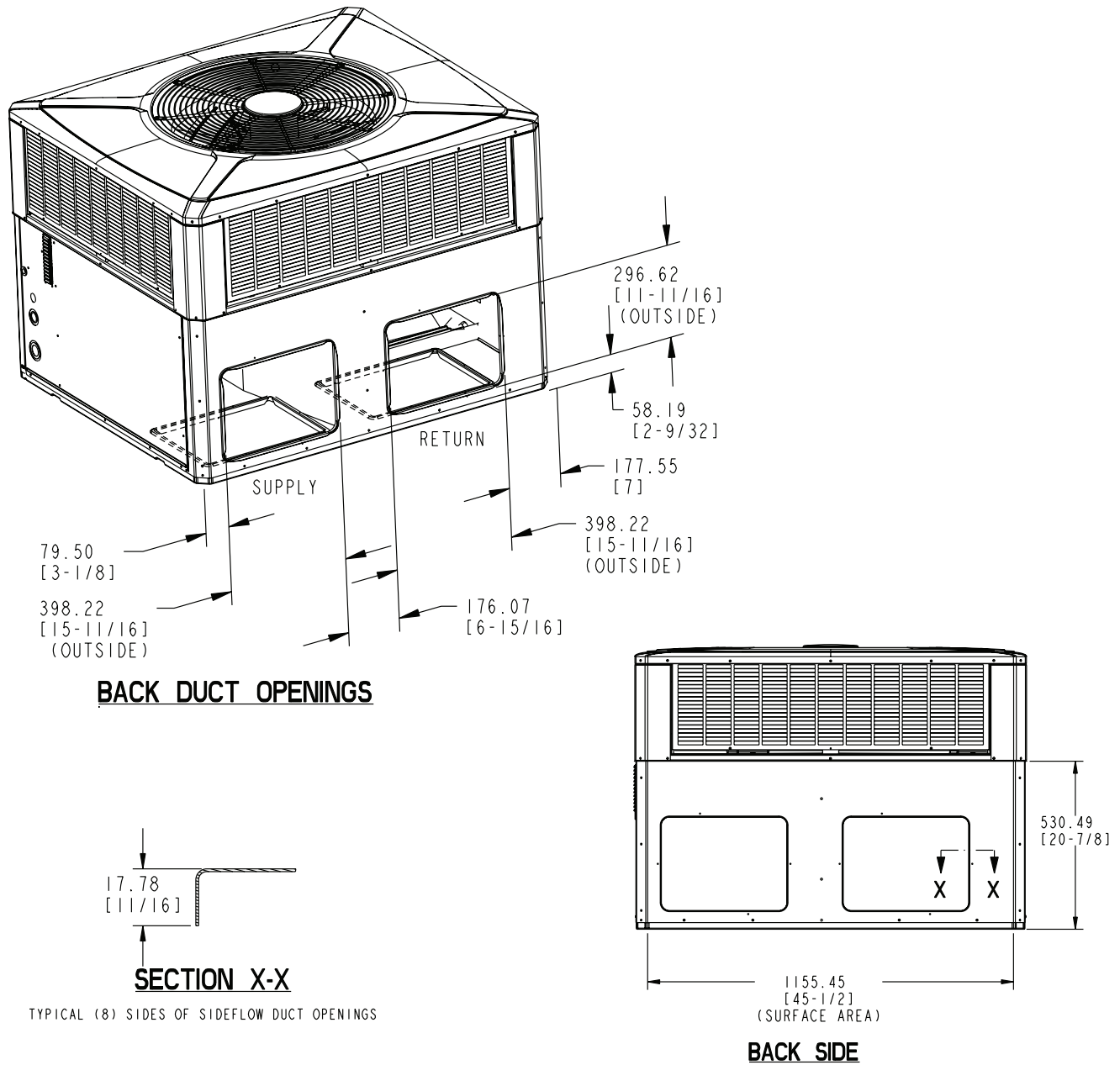


Figure 2. 4WCX3018 through 4WCX3036 (2 of 3)

Dimensional Data and Weights



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
4TCC3018	898.53 [35-3/8]	56.7 [125]	35.8 [79]	25.4 [56]	39.9 [88]	201.6 (444)	157.9 [348]	401.3 [15.8]	508.0 [20.0]
4TCC3024		56.7 [125]	35.8 [79]	25.4 [56]	39.9 [88]	201.6 (444)	157.9 [348]	401.3 [15.8]	508.0 [20.0]
4TCC3030		56.7 [125]	35.8 [79]	25.4 [56]	39.9 [88]	202.0 (445)	158.3 [349]	401.3 [15.8]	508.0 [20.0]
4TCC3036		57.6 [127]	36.3 [80]	25.9 [57]	40.8 [90]	204.3 (450)	160.6 [354]	401.3 [15.8]	508.0 [20.0]
4WCC3018		56.2 [124]	35.4 [78]	25.4 [56]	40.4 [89]	201.6 (444)	157.9 [348]	401.3 [15.8]	515.6 [20.3]
4WCC3024		57.6 [127]	36.3 [80]	26.3 [58]	41.7 [92]	205.7 [453]	161.9 [357]	401.3 [15.8]	515.6 [20.3]
4WCC3030		49.9 [110]	45.4 [100]	15.0 [33]	35.4 [78]	189.1 [417]	145.6 [321]	401.3 [15.8]	515.6 [20.3]
4WCC3036		60.8 [134]	38.1 [84]	27.2 [60]	42.6 [94]	212.5 (468)	168.7 [372]	401.3 [15.8]	508.0 [20.0]

Figure 3. 4WCX3018 through 4WCX3036 (3 of 3)

Dimensional Data and Weights

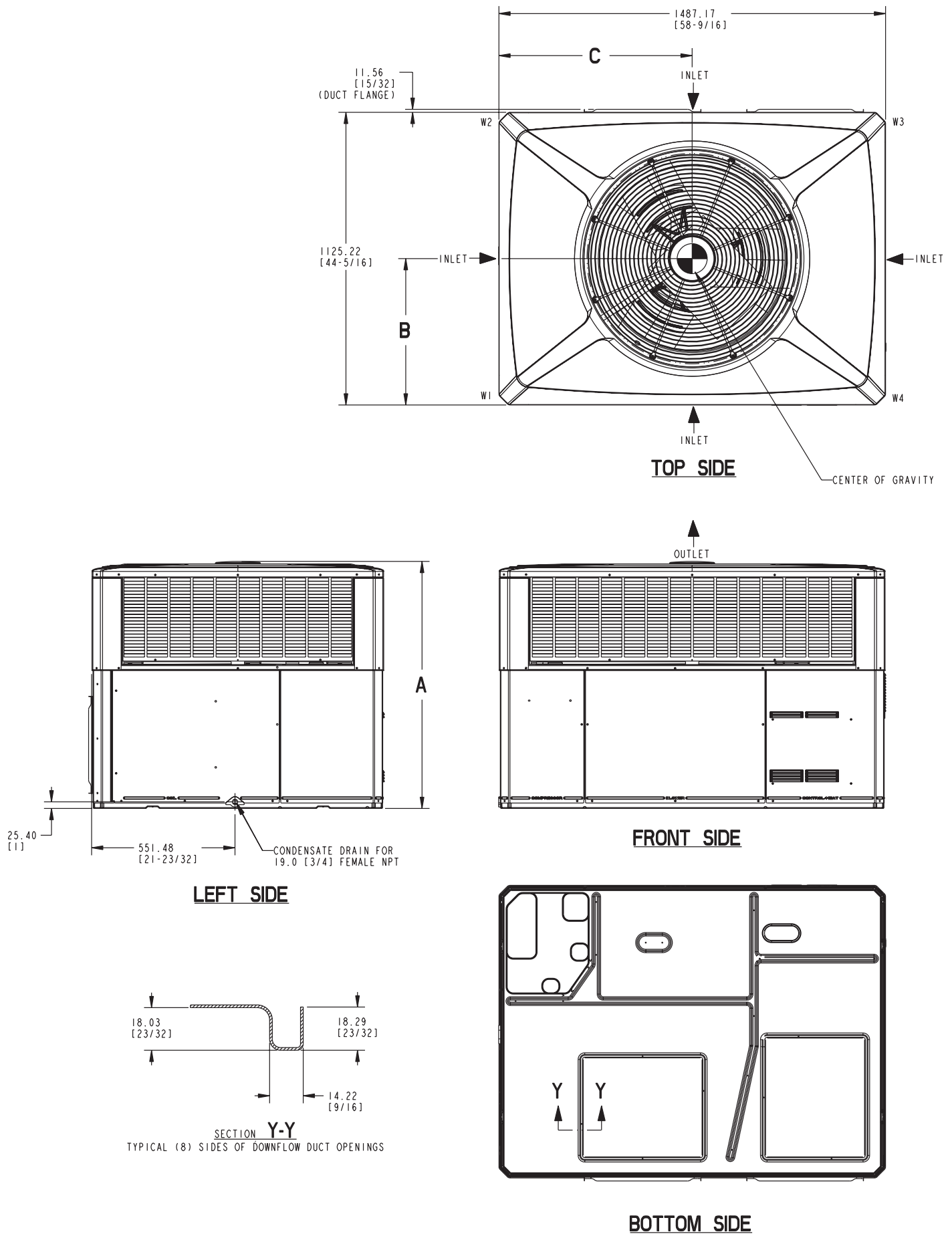


Figure 4. 4WCX3042 through 4WCX3060 (1 of 3)

Technical drawing of the ECHOS 10000 BTU model showing dimensions and airflow. The unit is a square box with a circular fan on top. Dimensions are given in inches and millimeters. Airflow is indicated by arrows labeled 'SUPPLY' and 'RETURN'.

Dimensions:

- Top width: 381.00 [15]
- Top depth: 318.75 [12-9/16]
- Right side height: 457.20 [18]
- Right side depth: 244.09 [9-5/8]
- Bottom width: 381.00 [15]
- Bottom depth: 75.41 [2-31/32]
- Left side depth: 32 [1]

Labels:

- SUPPLY
- RETURN

RECOMMENDED SERVICE CLEARANCE MM/IN.		
		WITH ECONOMIZER
BACK SIDE	304.8 [12]	762.0 [30]
LEFT SIDE	914.4 [36]	1066.8 [42]
RIGHT SIDE	609.6 [24]	-
FRONT SIDE	762.0 [30]	-

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

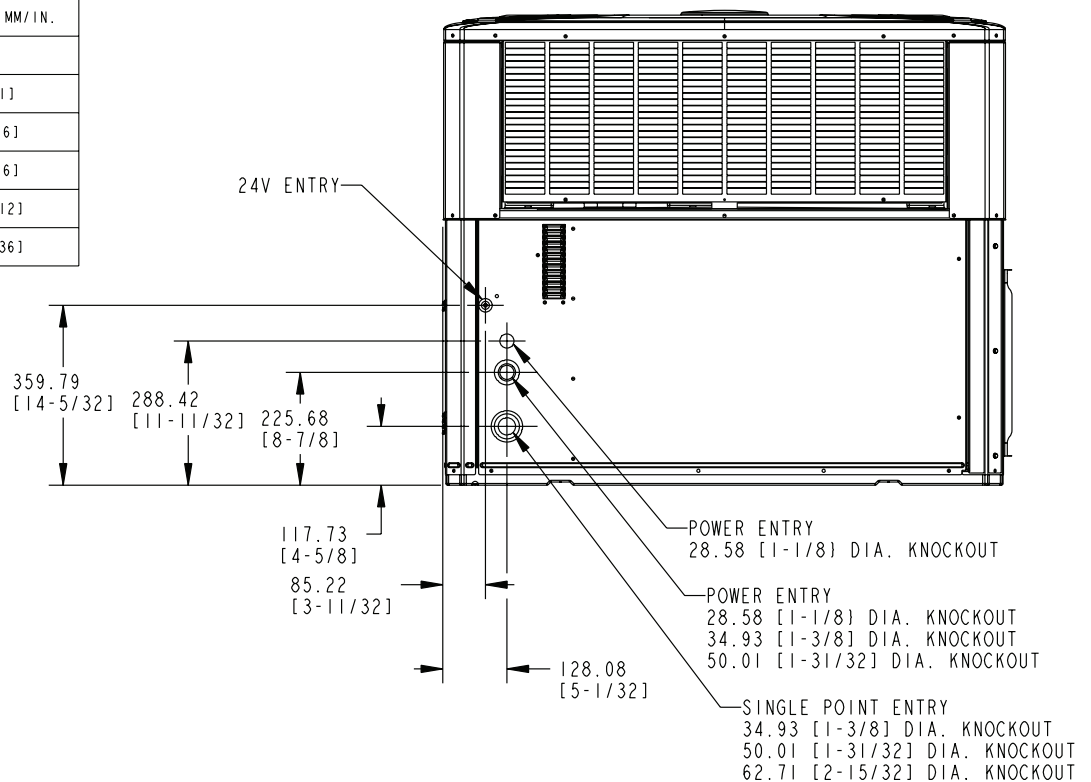
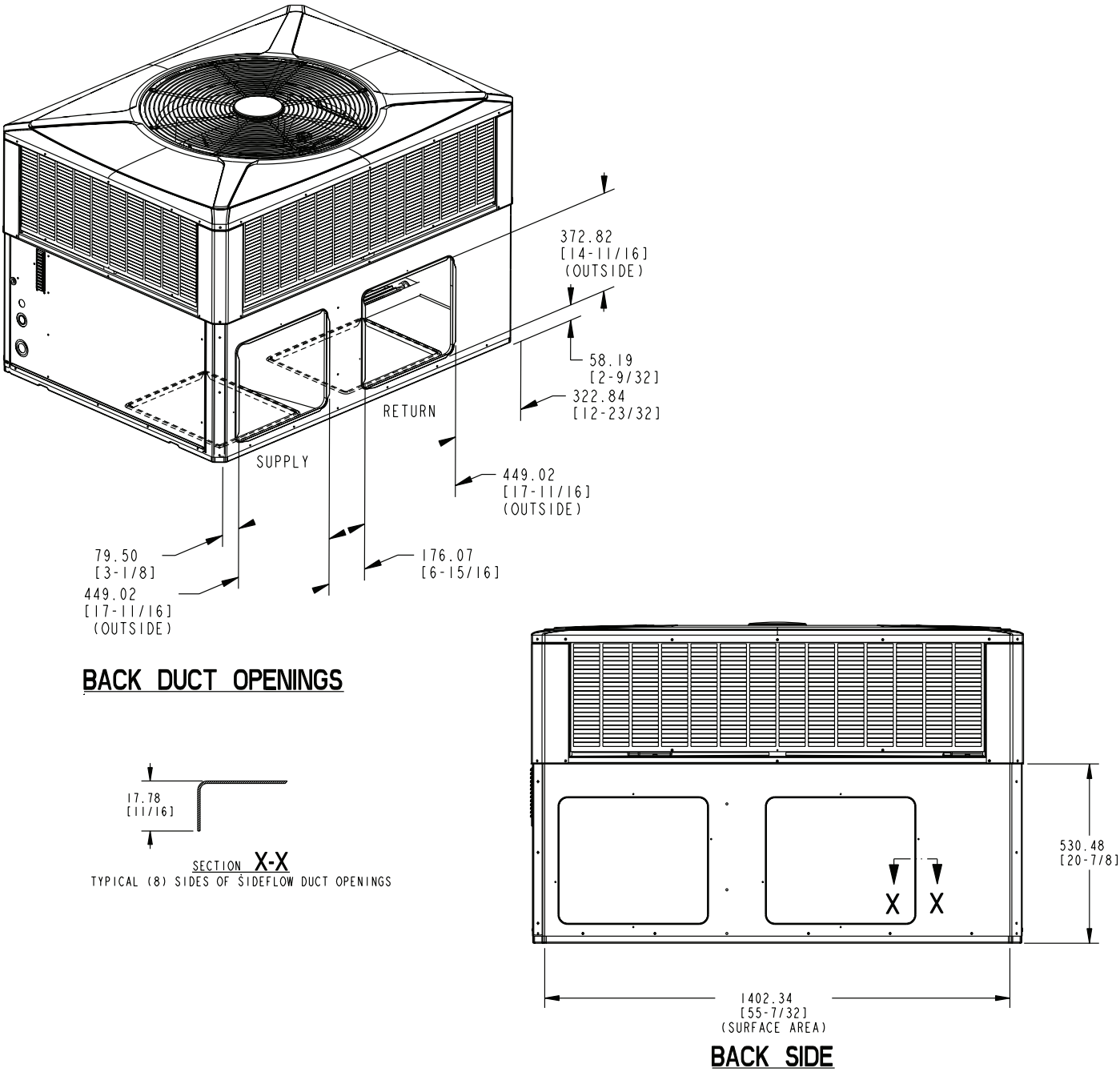


Figure 5. 4WCX3042 through 4WCX3060 (2 of 3)

Dimensional Data and Weights



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
4TCC3042	949.89 [37-3/8]	62.1 [137]	40.8 [90]	30.4 [67]	46.3 [102]	237.4 (523)	179.2 [395]	439.4 [17.3]	629.9 [24.8]
4TCC3048		76.2 [168]	47.6 [105]	35.8 [79]	57.6 [127]	275.6 (607)	217.3 [479]	426.7 [16.8]	635.0 [25.0]
4TCC3060	1000.68 [39-3/8]	78.0 [172]	46.3 [102]	34.9 [77]	59.0 [130]	276.9 (610)	218.6 [482]	414.0 [16.3]	635.0 [25.0]
4WCC3042	949.89 [37-3/8]	64.4 [142]	47.6 [105]	39.5 [87]	49.9 [110]	259.5 [572]	201.4 [444]	449.6 [17.7]	641.8 [25.3]
4WCC3048		68.9 [152]	40.8 [90]	30.8 [68]	52.2 [115]	251.1 (553)	192.8 [425]	414.0 [16.3]	635.0 [25.0]
4WCC3060	1000.68 [39-3/8]	79.4 [175]	47.2 [104]	35.8 [79]	59.9 [132]	280.6 (618)	222.3 [490]	414.0 [16.3]	635.0 [25.0]

Figure 6. 4WCX3042 through 4WCX3060 (3 of 3)

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. All units shall be factory run tested to check cooling operation, fan and blower rotation and control or TXV sequence. Units shall be designed to operate at ambient temperatures between 115°F and 55°F in cooling as manufactured. Cooling performance shall be rated in accordance with A.H.R.I. standards.

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 glass 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 compressors. Internal overcurrent and over temperature protection, internal pressure relief shall be standard.

Refrigeration System

All units shall have TXV in cooling and TXV in heating. Service pressure tap ports, and a refrigerant line filter dryer shall be standard.

Indoor Coil

Coils shall be internally finned or smooth bore 3/8" copper tubes mechanically bonded to configured aluminum plate fin as standard. Evaporator coil leak and pressure tested to 200 psig; condenser coil tested to 450 psig.

Condenser Coil —

The Spine Fin™ condenser coil shall be continuously wrapped, corrosion resistant all aluminum with minimum brazed joints. This coil is 3/8 inch O.D. 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 — Direct-drive, forward-curved, centrifugal wheel in a Composite Vortica® Blower housing. Motor shall have thermal overload protection. Permanently lubricated motor bearings. Motor/blower assembly isolated from unit with rubber mounts.

Condenser Fan — Direct-drive, draw thru propeller type. Weather-proofed permanent split capacitor fan motor shall have built-in thermal overload and permanently lubricated motor bearings.

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.

Electric Heaters — Each heater assembly shall include power supply fusing if over 48 amps, automatic resetting limit switches and heat limiters for thermal protection. Heaters shall be provided with polarized plugs for quick connection to unit low voltage wiring.

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 unit 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 wiring plug 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 BAYRLAY004A 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 Setback Thermostat — Programmable electronic thermostat shall provide heating setback and cooling setup with 7-day, programming capability. 1H/1C or 2H/2C models available.



Trane

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