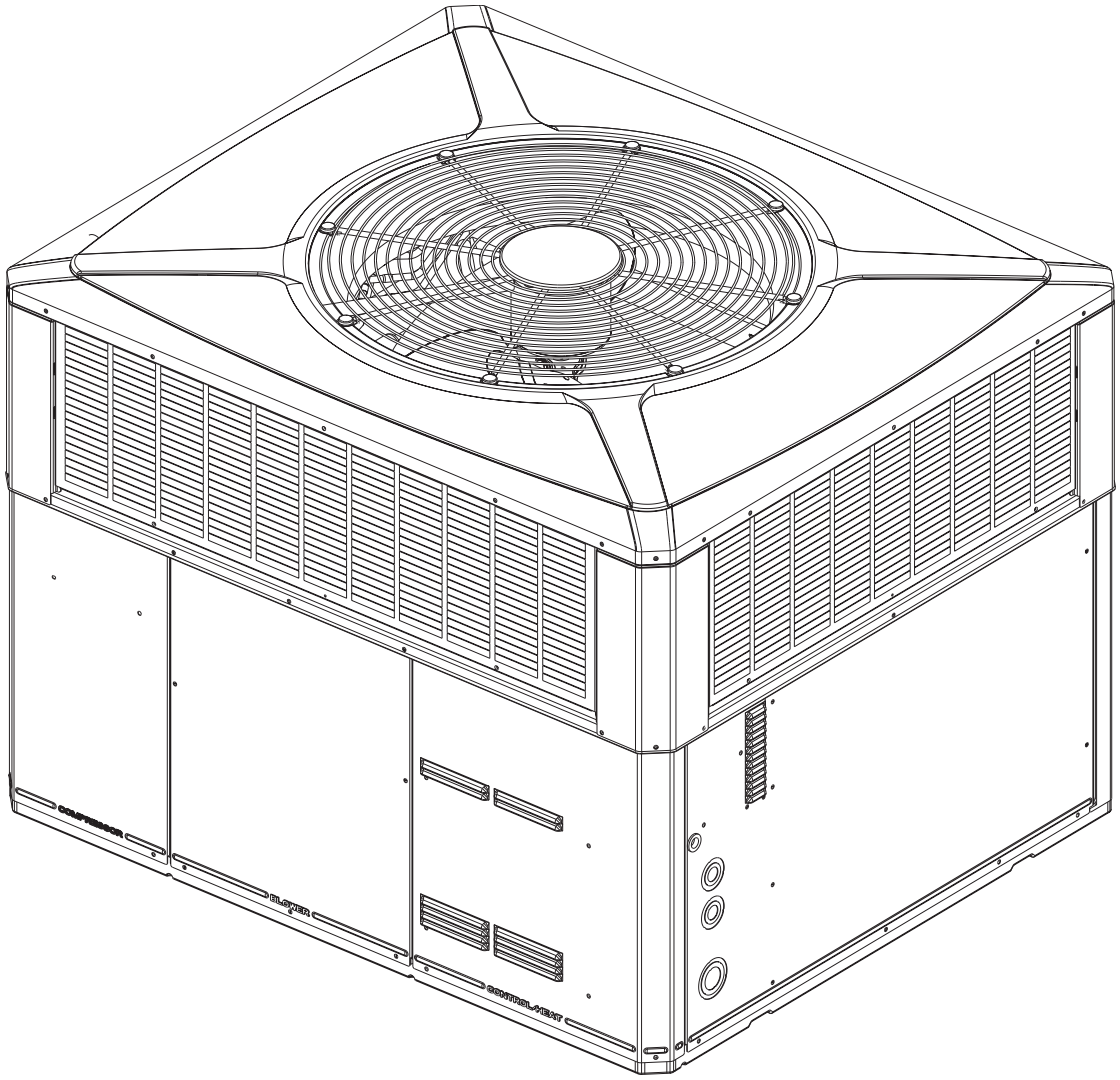
22-1780-01

Product Data

2/4WCC3018A through 2/4WCC3060A
Single Package Convertible Heat Pump
13 SEER
1½ - 5 Ton
R-22/R-410A



Mar. 03, 2006

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It's Hard to Stop a Trane.

Single Package 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 Package Electric Heat Pump System.

Single Package Electric Heat Pump Systems are easy and versatile to install. Because cooling and heating functions are all contained in a single cabinet, a Trane package 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 Package Electric Heat Pump Systems are unmatched in quality and reliability. All major components on these products, including the compressor, have been designed adn 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 Package Electric Heat Pump Systems provide better performance. Our single package 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.

Contents

Optional Equipment Listing

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

Roof Curb Full Perimeter (2/4WCC3018-36A) ③ ..... BAYCURB050A[ ]
Roof Curb Full Perimeter (2/4WCC3042-60A) ③ ..... BAYCURB051A[ ]
Roof Curb Utility Extension Kit (BAYCURB050A) ..... BAYUTIL101A[ ]
Roof Curb Utility Extension Kit (BAYCURB051A) ..... BAYUTIL102A[ ]
0-25% Manual Fresh Air Damper (2/4WCC3018-36A) ①. ..... BAYOSAH001A[ ]
0-25% Manual Fresh Air Damper (2/4WCC3042-60A) ①. ..... BAYOSAH002A[ ]
Motorized Fresh Air Damper (2/4WCC3018-36A) ①. ..... BAYDMPR101A[ ]
Motorized Fresh Air Damper (2/4WCC3042-60A) ①. ..... BAYDMPR102A[ ]
16" Round Duct Adapter (2 per box) (2/4WCC3018-36A) ⑥ ..... BAYSQRD001A[ ]
18" Round Duct Adapter (2 per box) (2/4WCC3042-60A) ⑥ ..... BAYSQRD002A[ ]
0-100% Mod Economizer w/Baro. Relief (2/4WCC3018-36A) ①②④ ..... BAYECON101A[ ]
0-100% Mod. Economizer w/Baro. Relief (2/4WCC042-60A) ①②④. ..... BAYECON102A[ ]
0-100% Horizontal Economizer (2/4WCC3018-36A) ①② . ..... BAYECON200A[ ]
0-100% Horizontal Economizer (2/4WCC3042-60A) 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 (2/4WCC3018-36A) (20 x 20 filter not included) ①. ..... BAYFLTR101A[ ]
1"-2" Filter Frame (2/4WCC3042-60A) (20 x 20,20X18 filter not included) ①. ..... BAYFLTR201A[ ]
Evaporator Defrost Control (Low Ambient Cooling) Kit ⑤. ..... BAYLOAM011A[ ]
Head Pressure Control (Low Ambient Cool) (208/240v) Kit ⑤. ..... BAYLOAM105A[ ]
Quick Start Kit (2/4WCC3-A1) ..... BAYKSKT300A[ ]
Crankcase Heater Recip (2WCC3024,30,42,48A1, 4WCC3018A1)(230v) ⑤. ..... BAYCCHT003A[ ]
Crankcase Heater Scroll(2WCC3036A1, 4WCC3036,48,60A1/3)(230v) ⑤. ..... BAYCCHT202A[ ]
Crankcase Heater (4WCC3036,48,60A4)(460v) ⑤. ..... BAYCCHT203A[ ]
Adapter Curb 2/4WCC3018-036A to BAYCURB030,38 ..... BAYADAP050A[ ]
Adapter Curb 2/4WCC3018-036A to BAYCURB033 ..... BAYADAP051A[ ]
Adapter Curb 2/4WCC3042-060A to BAYCURB030,38 ..... BAYADAP052A[ ]
Adapter Curb 2/4WCC3042-060A to BAYCURB033 ..... BAYADAP053A[ ]
Adapter Curb 2/4WCC3042-060A to BAYCURB034 ..... BAYADAP054A[ ]
12" Duct Shroud Covers Horizontal *WCC3018-060A⑦. ..... BAYCOVR112A[ ]
18" Duct Shroud Covers Horizontal *WCC3018-060A ⑦. ..... BAYCOVR118A[ ]
Extreme Condition Mounting Kit - All BAYCURB & BAYADAP ..... BAYEXMK001A[ ]
Extreme Condition Mounting Kit - All BAYUTIL ..... BAYEXMK002A[ ]
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) (*WCC3018-060A1) ..... BAYHTRV105A[ ]
7.50/10.0 KW Heater (208/240V 1PH) (*WCC3024-060A1) ..... BAYHTRV110A[ ]
11.27/15.00 KW Heater (208/240V 1PH) (*WCC3030-060A1) ..... BAYHTRV115A[ ]
15.0/20.0 KW Heater (208/240V 1PH) (*WCC3048-060A1) ..... BAYHTRV120A[ ]

SUPPLEMENTARY HEATERS (3 PHASE)

3.76/5.0 KW Heater (208/240V 3PH) (*WCC3018-060A3) ..... BAYHTRV305A[ ]
7.50/10.0 KW Heater (208/240V 3PH) (*WCC3024-060A3) ..... BAYHTRV310A[ ]
11.27/15.00 KW Heater (208/240V 3PH) (*WCC3030-060A3) ..... BAYHTRV315A[ ]
15.00/20.0 KW Heater (208/240V 3PH) (*WCC3048-060A3) ..... BAYHTRV320A[ ]
3.76/5.0 KW Heater (460V 3PH) (*WCC3018-060A4) ..... BAYHTRV405A[ ]
7.50/10.0 KW Heater (460V 3PH)*WCC3024-060A4) ..... BAYHTRV410A[ ]
11.27/15.00 KW Heater (460V 3PH) (*WCC3030-060A4) ..... BAYHTRV415A[ ]
15.00/20.0 KW Heater (460V 3PH) (*WCC3048-060A4) ..... BAYHTRV420A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK060A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK061A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK062A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK063A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK064A[ ]
Single Power Entry Kit ⑧ . ..... BAYSPEK065A[ ]

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----A).
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	4WCC3018A1000A	2WCC3024A1000A	2WCC3030A1000A	2WCC3036A1000A	4WCC3036A1000A
RATED Volts/Ph/Hz	**208-230/1/60**	**208-230/1/60**	**208-230/1/60**	**208-230/1/60**	**208-230/1/60**
RATINGS (COOL) ①BTUH	18000	23000	28000	35000	35000
Indoor Airflow (CFM)	675	725	1025	1200	1200
Power Input (KW)	1.64	2.09	2.55	3.18	3.18
EER/SEER (BTU/Watt-Hr.)⑥	11.00 / 13.00	11 / 13.00	11 / 13	11 / 13	11 / 13
Sound Rating No. ②	74	76	76	75	75
RATINGS (HEAT) ①					
(High Temp.) BTUH	18000	22400	28600	35000	35000
Power Input (KW)	1.51	1.87	2.38	3.08	3.16
(Low Temp.) BTUH	9400	11500	15700	23400	19900
Power Input (KW)	1.29	1.57	1.96	2.81	3.18
HSPF (BTU / Watt-Hr.) ⑥	7.7	7.7	7.7	7.7	7.7
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity ③	10.6	12.5	17.1	24.2	25.5
Fuse Size—Max. (Amps)	15	20	25	40	40
Fuse Size—Recmd. (Amps)	15	20	25	40	40
COMPRESSOR					
Volts/Ph/Hz	200-230/1/60	200-230/1/60	200-230/1/60	208-230/1/60	208-230/1/60
R.L. Amps—L.R. Amps	6.4 - 38.6	8.0 - 57.8	10 - 68.2	16 - 88	15.4 - 82
OUTDOOR COIL—TYPE	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	10.06	10.06	10.06	10.06	10.06
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL—TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	3 / 15	3 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	3.54	3.54	3.54	3.54	3.54
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	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	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23	23	23	23	23
Drive/No. Speeds	DIRECT/1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ④	2550	3250	3250	3250	3250
Motor—HP / R.P.M.	1/12 / 810	1/5/ 830	1/ 5 / 830	1/5 / 830	1/5 / 830
Volts/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
F.L. Amps/L.R. Amps	0.54/.95	1.1 - 1.9	1.1 - 1.9	1.1 / 1.9	1.1 / 1.9
INDOOR FAN—TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 10	11 X 10	10 X 10	10 X 10	10 X 10
Drive / No. Speeds	DIRECT/2	DIRECT / 2	DIRECT / 3	DIRECT / 3	DIRECT / 3
Motor—HP / R.P.M.	1/8 /825	1/4 / 825	1/2 / 1080	1/2 / 1075	1/2 / 1075
Volts/Ph/Hz	20-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60
F.L. Amps/L.R. Amps	1 /1.5	1.4/2.8	2 /4.4	2.7 /5.8	2.7 /5.8
FILTER / FURNISHED?	NO	NO	NO	NO	NO
Type Recommended	Throwaway	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Min. Face Area⑦ (sq. ft.)	2.0	2.7	3.3	4.0	4.0
REFRIGERANT	(R-410A)	(R-22)	(R-22)	(R-22)	(R410A)
Charge (lbs.)	6.4	6.5	6.2	7	7.25
DIMENSIONS	H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Crated (in.)	45.86 X 44.5 X 52.03	45.86 X 44.5 X 52.03	45.86 X 44.5 X 52.03	45.86 X 44.5 X 52.03	45.86 X 44.5 X 52.03
WEIGHT					
Shipping (lbs.) / Net (lbs.)	444/348	453/357	454/358	468/372	468/372

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

② Calculated in accordance with A.R.I. Standard 270.

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	4WCC3036A3000A	4WCC3036A4000A	2WCC3042A1000A	2WCC3048A1000A	4WCC3048A1000A
RATED Volts/Ph/Hz	**208-230/3/60**	**460/3/60**	**208-230/1/60**	**208-230/1/60**	**208-230/1/60**
RATINGS (COOL) ①BTUH	35000	35000	40000	46500	46000
Indoor Airflow (CFM)	1200	1200	1400	1600	1600
Power Input (KW)	3.18	3.18	3.64	4.23	4.33
EER/SEER (BTU/Watt-Hr.)⑥	11 / 13	11 / 13	11/13	11/13	10.75/13
Sound Rating No. ②	75	75	78	79	80
RATINGS (HEAT) ①					
(High Temp.) BTUH	37200	37200	40000	46500	47000
Power Input (KW)	3.15	3.15	3.16	3.52	3.92
(Low Temp.) BTUH	19900	19900	24000	28200	28200
Power Input (KW)	2.70	2.70	2.97	2.95	3.65
HSPF (BTU / Watt-Hr.) ⑥	7.7	7.7	7.7	7.7	7.7
POWER CONN.—V/Ph/Hz	208-230/3/60	460/3/60	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity ③	18.2	8.7	24.6	28.6	31.1
Fuse Size—Max. (Amps)	30	15	40	45	50
Fuse Size—Recmd. (Amps)	30	15	40	45	50
COMPRESSOR					
Volts/Ph/Hz	208-230/3/60	460/3/60	208-230/1/60	200-230/1/60	200-230/1/60
R.L. Amps—L.R. Amps	11.5 - 77	5.13 - 35	16.5/95	18.6/93.4	20.5/109
OUTDOOR COIL—TYPE	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN
Rows/F.P.I.	2 / 24	2 / 24	2/24	2/24	2/24
Face Area (sq.ft.)	10.06	10.06	13.4	13.4	13.4
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL—TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	3/15	4/15	4/15
Face Area (sq.ft.)	3.54	3.54	5	5	5
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	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	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23	23	27.6	27.6	27.6
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT/1	DIRECT/1	DIRECT/1
CFM @ 0.0 in. w.g. ④	3250	3250	4400	4400	4400
Motor—HP / R.P.M.	1/5 / 830	1/5 / 830	0.25/825	0.25/825	0.25/825
Volts/Ph/Hz	230/1/60	460/1/60	230/1/60	230/1/60	230/1/60
F.L. Amps/L.R. Amps	1.1 - 1.9	0.6 - 1.3	1.4/3.1	1.4/3.1	1.4/3.1
INDOOR FAN—TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 x 10	10 x 10	10 x 10
Drive / No. Speeds	DIRECT / 3	DIRECT / 2	DIRECT/3	DIRECT/3	DIRECT/3
Motor—HP / R.P.M.	1/2 / 1075	1/2 / 1075	1/2/1075	3/4/1080	3/4/1080
Volts/Ph/Hz	200-230/1/60	460/1/60	200-230/1/60	200-230/1/60	200-230/1/60
F.L. Amps/L.R. Amps	2.9 / 5.8	1.46 / 3.12	2.5/3.2	4/8.4	4/8.4
FILTER / FURNISHED?	NO	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Min. Face Area⑦ (sq. ft.)	4.0	4.0	4.7	5.3	5.3
REFRIGERANT	(R-410A)	(R-410A)	(R-22)	(R-22)	(R-410A)
Charge (lbs.)	7.25	7.25	7.65	7.25	7.75
DIMENSIONS	H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Crated (in.)	45.86 X 44.5 X 52.03	45.86 X 44.5 X 52.03	47.86X47.4X61.75	47.86X47.4X61.75	47.86X47.4X61.75
WEIGHT					
Shipping (lbs.) / Net (lbs.)	468/372	568/372	529/401	553/425	553/425

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

② Calculated in accordance with A.R.I. Standard 270.

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	4WCC3048A3000A	4WCC3048A4000A	2WCC3060A1000A	4WCC3060A1000A	4WCC3060A3000A
RATED Volts/Ph/Hz	**208-230/3/60**	**460/3/60**	**208-230/1/60**	**208-230/1/60**	**208-230/3/60**
RATINGS (COOL) ①BTUH	46000	46000	58000	58000	58000
Indoor Airflow (CFM)	1600	1600	1850	1850	1850
Power Input (KW)	4.33	4.53	5.27	5.35	5.35
EER/SEER (BTU/Watt-Hr.)⑥	10.75 / 13.00	10.75 / 13.00	11.0 / 13.0	10.85 / 13.00	10.85 / 13.00
Sound Rating No. ②	80	80	79	79	79
RATINGS (HEAT) ①					
(High Temp.) BTUH	47000	47000	58000	58000	58000
Power Input (KW)	3.92	3.92	4.57	4.57	4.57
(Low Temp.) BTUH	28200	28200	34000	35200	35200
Power Input (KW)	3.65	3.65	4.15	4.15	4.15
HSPF (BTU / Watt-Hr.) ⑥	7.70	7.70	7.7	7.7	7.70
POWER CONN.—V/Ph/Hz	208-230/3/60	460/3/60	208-230/1/60	208-230/1/60	208-230/3/60
Min. Brch. Cir. Ampacity ③	23.6	11.7	40.6	43.5	31.7
Fuse Size—Max. (Amps)	35	15	60	60	50
Fuse Size—Recmd. (Amps)	35	15	60	60	50
COMPRESSOR					
Volts/Ph/Hz	200-230/1/60	460/3/60	208-230/1/60	208-230/1/60	208-230/3/60
R.L. Amps—L.R. Amps	14.6 - 91	18.1 - 95	25 - 148	27.6 - 158	18.1 - 137
OUTDOOR COIL—TYPE	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN	SPINE FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24	2 / 22	2 / 24
Face Area (sq.ft.)	13.4	13.4	14.28	13.84	13.84
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL—TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	3 / 15	4 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	5	5	5	5	5
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	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	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	27.6	27.6	27.6	23	27.6
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ④	4400	4400	5250	4400	4400
Motor—HP / R.P.M.	1/4 / 825	1/4 / 825	1/4 / 825	1/4 / 825	1/4 / 825
Volts/Ph/Hz	230/1/60	460/1/60	230/1/60	230/1/60	230/1/60
F.L. Amps/L.R. Amps	1.4 / 3.1	.74 / 1.6	1.6 / 3.6	1.4 / 3.5	1.4 / 3.5
INDOOR FAN—TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	11 X 10	11 X 10	11 X 10
Drive / No. Speeds	DIRECT / 3	DIRECT / 2	DIRECT / 3	DIRECT / 3	DIRECT / 2
Motor—HP / R.P.M.	3/4 / 1080	3/4 / 1080	1 / 1075	1/2 / 1075	1/2 / 1075
Volts/Ph/Hz	200-230/1/60	460/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	4 / 8.4	2.2 / 4.36	7.6 / 7.6	7.6 / 7.6	7.6 / 7.6
FILTER / FURNISHED?	NO	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Min. Face Area⑦ (sq. ft.)	5.3	5.3	6.7	4.73	6.7
REFRIGERANT	(R-410A)	(R-410A)	(R-22)	(R-410A)	(R-410)
Charge (lbs.)	7.75	7.75	9.7	10.69	10.69
DIMENSIONS	H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Crated (in.)	47.86 X 47.4 X 61.75	47.86 X 47.4 X 61.75	51.86 X 47.4 X 61.75	49.86 X 47.4 X 61.75	49.86 X 47.4 X 61.75
WEIGHT					
Shipping (lbs.) / Net (lbs.)	553/425	553/425	623/495	618/490	618/490

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

② Calculated in accordance with A.R.I. Standard 270.

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	4WCC3060A4000A
RATED Volts/Ph/Hz	**460/3/60**
RATINGS (COOL) ①BTUH	58000
Indoor Airflow (CFM)	1850
Power Input (KW)	5.35
EER/SEER (BTU/Watt-Hr.)⑥	10.85 / 13.00
Sound Rating No. ②	79
RATINGS (HEAT) ①	
(High Temp.) BTUH	59500
Power Input (KW)	4.57
(Low Temp.) BTUH	35200
Power Input (KW)	4.15
HSPF (BTU / Watt-Hr.) ⑥	7.70
POWER CONN.—V/Ph/Hz	460/3/60
Min. Brch. Cir. Ampacity ③	19.5
Fuse Size—Max. (Amps)	25
Fuse Size—Recmd. (Amps)	25
COMPRESSOR	
Volts/Ph/Hz	460/3/60
R.L. Amps—L.R. Amps	8.97 - 62
OUTDOOR COIL—TYPE	SPINE FIN
Rows/F.P.I.	2 / 24
Face Area (sq.ft.)	13.84
Tube Size (in.)	3/8
Refrigerant Control	EXPANSION VALVE
INDOOR COIL—TYPE	PLATE FIN
Rows/F.P.I.	4 / 15
Face Area (sq.ft.)	5
Tube Size (in.)	3/8
Refrigerant Control	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER
Dia. (in.)	27.6
Drive/No. Speeds	DIRECT / 1
CFM @ 0.0 in. w.g. ④	4400
Motor—HP / R.P.M.	1/4 / 825
Volts/Ph/Hz	460/1/60
F.L. Amps/L.R. Amps	.74 / 1.6
INDOOR FAN—TYPE	CENTRIFUGAL
Dia x Width (in.)	11 X 10
Drive / No. Speeds	DIRECT / 3
Motor—HP / R.P.M.	1/2 / 1075
Volts/Ph/Hz	208-230/1/60
F.L. Amps/L.R. Amps	7.6 / 7.6
FILTER / FURNISHED?	NO
Type Recommended	THROWAWAY
Min. Face Area⑦ (sq. ft.)	6.7
REFRIGERANT	(R-410A)
Charge (lbs.)	10.69
DIMENSIONS	H X W X D
Crated (in.)	49.86 X 47.4 X 61.75
WEIGHT	
Shipping (lbs.) / Net (lbs.)	618/490

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

② Calculated in accordance with A.R.I. Standard 270.

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

2/4WCC3018A to 2/4WCC3060A Heater Data

UNIT MODEL	ELECTRIC HEATER MODEL	RATED VOLTAGE	PHASE	AMPS	HEATER CAPACITY		NO. OF STAGES	KW / STAGE		MCA (2)	MAX. FUSE OR HQCR CKT BKR SIZE (4)	CANADA ONLY MAX. CKT BKR SIZE (5)
					KW	BTUH		1	2			
^W/TC*3018A1	BAYHTRV105A	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0		23/26	25/30	25/30
^W/TC*3024A1	BAYHTRV105A	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0		23/26	25/30	25/30
	BAYHTRV110A	208/240	1	36/42	7.50/10.0	25600/34100	1	7.50/10.0		45/52	45/60	45/60
^W/TC*3030A1 ^W/TC*3036A1 ^W/TC*3042A1	BAYHTRV105A	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0		23/26	25/30	25/30
	BAYHTRV110A	208/240	1	36/42	7.50/10.0	25600/34100	1	7.50/10.0		45/52	45/60	45/60
	BAYHTRV115A*	208/240	1	54/63	11.27/15.0	38500/51200	2	7.50/10.0	3.76/5.0	68/78	70/80	70/80
^W/TC*3048A1 ^W/TC*3060A1	BAYHTRV105A	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0		23/26	25/30	25/30
	BAYHTRV110A	208/240	1	36/42	7.50/10.0	25600/34100	1	7.50/10.0		45/52	45/60	45/60
	BAYHTRV115A*	208/240	1	54/63	11.27/15.0	38500/51200	2	7.50/10.0	3.76/5.0	68/78	70/80	70/80
	BAYHTRV120A*	208/240	1	72/83	15.00/20.0	51200/68300	2	7.50/10.0	7.50/10.0	90/104	90/110	90/110
^W/TC*3036A3	BAYHTRV305A	208/240	3	10/12	3.76/5.0	12800/17100	1	3.76/5.0		13/15	15/15	15/15
	BAYHTRV310A	208/240	3	21/24	7.50/10.0	25600/34100	1	7.50/10.0		26/30	30/30	30/30
	BAYHTRV315A	208/240	3	31/36	11.27/15.0	38500/51200	2	7.50/10.0	3.76/5.0	39/45	40/45	40/45
^W/TC*3048A3 ^W/TC*3060A3	BAYHTRV305A	208/240	3	10/12	3.76/5.0	12800/17100	1	3.76/5.0		13/15	15/15	15/15
	BAYHTRV310A	208/240	3	21/24	7.50/10.0	25600/34100	1	7.50/10.0		26/30	30/30	30/30
	BAYHTRV315A	208/240	3	31/36	11.27/15.0	38500/51200	2	7.50/10.0	3.76/5.0	39/45	40/45	40/45
	BAYHTRV320A	208/240	3	42/48	15.00/20.0	51200/68300	2	7.50/10.0	7.50/10.0	52/60	60/60	60/60
^W/TC*3036A4	BAYHTRV405A	480	3	6	5	17100	1	5		8	15	15
	BAYHTRV410A	480	3	12	10	34100	1	10		15	15	15
	BAYHTRV415A	480	3	18	15	51200	2	10	5	23	25	25
^W/TC*3048A4 ^W/TC*3060A4	BAYHTRV405A	480	3	6	5	17100	1	5		8	15	15
	BAYHTRV410A	480	3	12	10	34100	1	10		15	15	15
	BAYHTRV415A	480	3	18	15	51200	2	10	5	23	25	25
	BAYHTRV420A	480	3	24	20	68300	2	10	10	30	30	30

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

SPEK 2/4WCC3024A to 2/4WCC3060A

SINGLE CIRCUIT POWER AMPACITY AND OVER CURRENT PROTECTION

SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL	MIN CKT AMP	MAX OVER-CURRENT DEVICE	SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL	MIN CKT AMP	MAX OVER-CURRENT DEVICE
BAYSPEK060A	BAYHTRV105A	2WC*3024A1	39	40	BAYSPEK063A #	BAYHTRV115A	2WC*3030A1	95	100
		2WC*3030A1	43	45			2WC*3036A1	102	110
		2WC*3036A1	50	60			4WC*3036A1	104	110
		2WC*3042A1	51	60			2WC*3042A1	103	110
		2WC*3048A1	55	60			2WC*3048A1	107	110
		4WC*3018A1	37	40			4WC*3048A1	109	110
		4WC*3036A1	52	60			2WC*3060A1	119	125
BAYSPEK061A	BAYHTRV305A	4WC*3036A3	33	40			4WC*3060A1	122	125
		4WC*3048A3	39	50		BAYHTRV120A	2WC*3048A1	133	150
		4WC*3060A3	47	60			4WC*3048A1	135	150
							2WC*3060A1	145	150
	BAYHTRV310A	4WC*3036A3	48	50			4WC*3060A1	148	150
		4WC*3048A3	54	60	BAYSPEK064A #	BAYHTRV315A	4WC*3036A3	63	70
	BAYHTRV405A	4WC*3036A4	16	20			4WC*3048A3	69	70
		4WC*3048A4	19	25			4WC*3060A3	77	80
		4WC*3060A4	27	30		BAYHTRV320A	4WC*3048A3	84	90
	BAYHTRV410A	4WC*3036A4	24	25			4WC*3060A3	92	100
		4WC*3048A4	27	30	BAYSPEK065A #	BAYHTRV310A	4WC*3060A3	62	70
		4WC*3060A4	35	40					
	BAYHTRV415A	4WC*3036A4	31	35					
		4WC*3048A4	34	35					
		4WC*3060A4	42	45					
	BAYHTRV420A	4WC*3048A4	42	45					
		4WC*3060A4	50	50					
BAYSPEK062A #	BAYHTRV105A	4WC*3048A1	57	70					
		2WC*3060A1	67	80					
		4WC*3060A1	70	90					
	BAYHTRV110A	2WC*3024A1	65	70					
		2WC*3030A1	69	70					
		2WC*3036A1	76	80					
		4WC*3036A1	78	80					
		2WC*3042A1	77	80					
		2WC*3048A1	81	90					
		4WC*3048A1	83	90					
		2WC*3060A1	93	100					
		4WC*3060A1	96	110					

Single Circuit Power fuses are supplied if required for unit and/or heater.

From Dwg. 21C932254 P01&2

Performance Data Cooling

2WCC3024A AT 800 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	22.3	14.8	17.8	20.7	22.3	1.92
85	63	23.2	13.6	16.3	19.0	20.8	1.93
	67	25.0	11.7	14.1	16.4	18.0	1.97
	71	27.0	9.7	11.7	13.6	14.9	1.98
	59	20.6	14.2	17.0	19.8	20.6	2.07
95	63	21.5	13.0	15.6	18.2	19.9	2.08
	67	23.2	11.2	13.5	15.7	17.2	2.12
	71	25.0	9.3	11.2	13.0	14.2	2.14
	59	19.0	13.4	16.2	18.8	19.0	2.22
105	63	19.8	12.3	14.8	17.3	18.9	2.24
	67	21.4	10.6	12.8	14.9	16.3	2.27
	71	23.1	8.8	10.6	12.4	13.5	2.29
	59	17.4	12.7	15.2	17.4	17.4	2.37
115	63	18.1	11.6	14.0	16.3	17.8	2.39
	67	19.5	10.0	12.1	14.0	15.4	2.43
	71	21.1	8.3	10.0	11.7	12.7	2.45

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	700	0.98	0.97
HIGH	900	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 23000 BTUH
AIRFLOW = 725 CFM
COMPRESSOR POWER = 1691 WATTS
I.D. FAN POWER = 190 WATTS
O.D. FAN POWER = 210 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

2WCC3030A AT 1000 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	26.7	17.4	21.0	24.4	26.7	2.29
85	63	27.9	16.0	19.2	22.4	24.5	2.30
	67	30.0	13.8	16.6	19.4	21.2	2.34
	71	32.4	11.5	13.8	16.1	17.6	2.36
	59	24.9	16.8	20.2	23.5	24.9	2.48
95	63	25.9	15.4	18.5	21.6	23.6	2.49
	67	27.9	13.3	16.0	18.6	20.3	2.53
	71	30.2	11.0	13.2	15.4	16.9	2.56
	59	23.0	16.0	19.2	22.4	23.0	2.67
105	63	24.0	14.7	17.7	20.6	22.5	2.69
	67	25.9	12.7	15.2	17.8	19.4	2.73
	71	27.9	10.5	12.6	14.7	16.1	2.76
	59	21.2	15.2	18.2	21.2	21.2	2.86
115	63	22.1	13.9	16.7	19.5	21.3	2.88
	67	23.8	12.0	14.4	16.8	18.4	2.93
	71	25.7	10.0	12.0	14.0	15.3	2.95

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	875	0.98	0.97
HIGH	1125	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 28000 BTUH
AIRFLOW = 1025 CFM
COMPRESSOR POWER = 1991 WATTS
I.D. FAN POWER = 334 WATTS
O.D. FAN POWER = 220 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

2WCC3036A AT 1200 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	33.1	21.9	26.3	30.7	33.1	2.82
85	63	34.5	20.1	24.1	28.1	30.8	2.84
	67	37.2	17.3	20.8	24.3	26.5	2.88
	71	40.1	14.4	17.3	20.2	22.0	2.91
	59	31.2	21.1	25.3	29.5	31.2	3.11
95	63	32.5	19.3	23.2	27.1	29.6	3.13
	67	35.0	16.7	20.1	23.4	25.6	3.18
	71	37.8	13.8	16.6	19.4	21.2	3.21
	59	29.2	20.2	24.3	28.3	29.2	3.40
105	63	30.5	18.5	22.3	26.0	28.4	3.42
	67	32.8	16.0	19.2	22.4	24.5	3.48
	71	35.5	13.3	15.9	18.6	20.3	3.51
	59	27.3	19.3	23.1	27.0	27.3	3.69
115	63	28.5	17.7	21.2	24.8	27.1	3.72
	67	30.7	15.3	18.3	21.4	23.4	3.78
	71	33.1	12.7	15.2	17.7	19.4	3.81

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1050	0.98	0.97
HIGH	1350	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 35000 BTUH
AIRFLOW = 1200 CFM
COMPRESSOR POWER = 2520 WATTS
I.D. FAN POWER = 425 WATTS
O.D. FAN POWER = 237 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

Performance Data Cooling

2WCC3042A AT 1400 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	37.7	26.0	31.3	36.5	37.7	3.23
85	63	39.3	23.9	28.7	33.5	36.6	3.25
	67	42.4	20.6	24.8	28.9	31.6	3.31
	71	45.8	17.1	20.6	24.0	26.2	3.34
	59	35.6	25.1	30.1	35.1	35.6	3.55
95	63	37.1	23.0	27.6	32.2	35.2	3.58
	67	40.0	19.8	23.9	27.8	30.4	3.64
	71	43.2	16.5	19.8	23.1	25.2	3.67
	59	33.5	24.0	28.9	33.5	33.5	3.88
105	63	34.9	22.1	26.5	30.9	33.8	3.90
	67	37.6	19.0	22.9	26.7	29.2	3.96
	71	40.6	15.8	19.0	22.1	24.2	4.00
	59	31.3	23.0	27.6	31.3	31.3	4.20
115	63	32.7	21.1	25.3	29.5	32.3	4.22
	67	35.2	18.2	21.9	25.5	27.8	4.29
	71	38.0	15.1	18.1	21.1	23.1	4.33

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1225	0.98	0.97
HIGH	1575	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 40000 BTUH
AIRFLOW = 1401 CFM
COMPRESSOR POWER = 2856 WATTS
I.D. FAN POWER = 515 WATTS
O.D. FAN POWER = 265 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

2WCC3048A AT 1600 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	44.8	30.9	37.1	43.2	44.8	3.79
85	63	46.8	28.3	34.0	39.7	43.4	3.82
	67	50.4	24.4	29.4	34.2	37.4	3.88
	71	54.4	20.3	24.4	28.4	31.1	3.92
	59	41.2	29.5	35.5	41.2	41.2	4.09
95	63	42.9	27.1	32.6	38.0	41.5	4.11
	67	46.3	23.4	28.1	32.8	35.8	4.18
	71	50.0	19.4	23.3	27.2	29.7	4.22
	59	37.5	28.0	33.6	37.5	37.5	4.38
105	63	39.1	25.7	30.9	36.0	39.1	4.41
	67	42.2	22.2	26.6	31.0	33.9	4.49
	71	45.5	18.4	22.1	25.8	28.1	4.53
	59	33.9	26.2	31.5	33.9	33.9	4.68
115	63	35.3	24.1	28.9	33.7	35.3	4.71
	67	38.1	20.8	25.0	29.1	31.8	4.79
	71	41.1	17.2	20.7	24.1	26.4	4.83

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1400	0.98	0.97
HIGH	1800	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 46500 BTUH
AIRFLOW = 1700 CFM
COMPRESSOR POWER = 3321 WATTS
I.D. FAN POWER = 599 WATTS
O.D. FAN POWER = 307 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

2WCC3060A AT 2000 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	54.7	37.0	44.5	51.9	54.7	4.73
85	63	57.0	34.0	40.8	47.6	52.0	4.76
	67	61.5	29.3	35.3	41.1	44.9	4.84
	71	66.4	24.3	29.2	34.1	37.3	4.89
	59	52.0	35.5	42.7	49.8	52.0	5.22
95	63	54.2	32.6	39.2	45.7	49.9	5.25
	67	58.4	28.1	33.8	39.4	43.1	5.33
	71	63.0	23.4	28.1	32.7	35.8	5.38
	59	49.2	34.0	40.9	47.6	49.2	5.70
105	63	51.3	31.2	37.5	43.7	47.8	5.73
	67	55.3	26.9	32.4	37.7	41.2	5.83
	71	59.7	22.3	26.9	31.3	34.2	5.88
	59	46.5	32.4	39.0	45.4	46.5	6.18
115	63	48.4	29.8	35.8	41.7	45.6	6.22
	67	52.2	25.7	30.9	36.0	39.3	6.32
	71	56.3	21.3	25.6	29.9	32.6	6.38

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1750	0.98	0.97
HIGH	2250	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 58000 BTUH
AIRFLOW = 1850 CFM
COMPRESSOR POWER = 4358 WATTS
I.D. FAN POWER = 559 WATTS
O.D. FAN POWER = 356 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

Performance Data Cooling

4WCC3018A AT 600 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	17.6	11.7	14.1	16.4	17.6	1.44
85	63	18.3	10.7	12.9	15.0	16.4	1.45
	67	19.8	9.3	11.1	13.0	14.2	1.48
	71	21.3	7.7	9.2	10.8	11.8	1.49
	59	15.9	11.0	13.2	15.4	15.9	1.57
95	63	16.6	10.1	12.1	14.2	15.5	1.58
	67	17.8	8.7	10.5	12.2	13.3	1.60
	71	19.3	7.2	8.7	10.1	11.1	1.62
	59	14.2	10.2	12.3	14.2	14.2	1.69
105	63	14.8	9.4	11.3	13.1	14.4	1.70
	67	15.9	8.1	9.7	11.3	12.4	1.73
	71	17.2	6.7	8.1	9.4	10.3	1.75
	59	12.5	9.3	11.2	12.5	12.5	1.82
115	63	13.0	8.6	10.3	12.0	13.0	1.83
	67	14.0	7.4	8.9	10.4	11.3	1.86
	71	15.1	6.1	7.4	8.6	9.4	1.88

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	525	0.98	0.97
HIGH	675	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 18000 BTUH
AIRFLOW = 675 CFM
COMPRESSOR POWER = 1313 WATTS
I.D. FAN POWER = 219 WATTS
O.D. FAN POWER = 104 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

4WCC3036A AT 1200 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	34.2	22.5	27.0	31.5	34.2	2.80
85	63	35.6	20.6	24.8	28.9	31.6	2.82
	67	38.4	17.8	21.4	24.9	27.2	2.87
	71	41.4	14.8	17.7	20.7	22.6	2.90
	59	31.2	21.4	25.7	29.9	31.2	3.11
95	63	32.5	19.6	23.6	27.5	30.0	3.13
	67	35.0	16.9	20.3	23.7	25.9	3.18
	71	37.8	14.0	16.9	19.7	21.5	3.21
	59	28.1	20.1	24.1	28.1	28.1	3.42
105	63	29.3	18.4	22.2	25.8	28.2	3.44
	67	31.6	15.9	19.1	22.3	24.4	3.49
	71	34.1	13.2	15.9	18.5	20.2	3.53
	59	25.1	18.7	22.4	25.1	25.1	3.72
115	63	26.2	17.1	20.6	24.0	26.2	3.75
	67	28.2	14.8	17.8	20.7	22.6	3.81
	71	30.5	12.3	14.7	17.2	18.8	3.84

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1050	0.98	0.97
HIGH	1350	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 35000 BTUH
AIRFLOW = 1200 CFM
COMPRESSOR POWER = 2507 WATTS
I.D. FAN POWER = 446 WATTS
O.D. FAN POWER = 229 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 11.00 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

4WCC3048A AT 1600 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	45.1	30.3	36.5	42.5	45.1	3.82
85	63	47.0	27.8	33.5	39.0	42.6	3.84
	67	50.6	24.0	28.9	33.7	36.8	3.90
	71	54.7	19.9	24.0	27.9	30.5	3.94
	59	41.4	28.8	34.6	40.3	41.4	4.23
95	63	43.1	26.4	31.7	37.0	40.4	4.25
	67	46.5	22.8	27.4	31.9	34.9	4.33
	71	50.2	18.9	22.7	26.5	28.9	4.37
	59	37.7	27.0	32.5	37.7	37.7	4.64
105	63	39.3	24.8	29.8	34.7	37.9	4.67
	67	42.4	21.4	25.7	30.0	32.7	4.75
	71	45.7	17.7	21.3	24.9	27.2	4.79
	59	34.0	25.1	30.2	34.0	34.0	5.05
115	63	35.5	23.0	27.7	32.3	35.3	5.08
	67	38.2	19.9	23.9	27.8	30.4	5.17
	71	41.3	16.5	19.8	23.1	25.3	5.22

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1400	0.98	0.97
HIGH	1800	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 46500 BTUH
AIRFLOW = 1601 CFM
COMPRESSOR POWER = 3418 WATTS
I.D. FAN POWER = 595 WATTS
O.D. FAN POWER = 313 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 10.75 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

Performance Data Cooling

4WCC3060A AT 2000 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	75	78	80	COMPR. KW
	59	55.5	36.3	43.6	50.8	55.5	4.75
85	63	57.9	33.3	40.0	46.6	51.0	4.78
	67	62.4	28.7	34.5	40.2	44.0	4.86
	71	67.3	23.8	28.6	33.4	36.5	4.91
	59	52.0	35.1	42.1	49.1	52.0	5.29
95	63	54.2	32.2	38.7	45.1	49.3	5.32
	67	58.4	27.8	33.4	38.9	42.5	5.41
	71	63.0	23.0	27.7	32.3	35.3	5.46
	59	48.4	33.7	40.5	47.2	48.4	5.82
105	63	50.5	30.9	37.2	43.3	47.3	5.85
	67	54.4	26.7	32.1	37.4	40.9	5.95
	71	58.7	22.1	26.6	31.0	33.9	6.01
	59	44.9	32.2	38.7	44.9	44.9	6.35
115	63	46.8	29.5	35.5	41.4	45.2	6.39
	67	50.4	25.5	30.6	35.7	39.0	6.49
	71	54.4	21.1	25.4	29.6	32.4	6.55

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1750	0.98	0.97
HIGH	2250	1.02	1.03

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 58000 BTUH
AIRFLOW = 1850 CFM
COMPRESSOR POWER = 4495 WATTS
I.D. FAN POWER = 550 WATTS
O.D. FAN POWER = 301 WATTS
S.E.E.R. = 13.00 BTUH/WATT
E.E.R = 10.85 BTUH/WATT

ALL TEMPERATURES IN DEGREES F.

Performance Data Heating

2WCC3024A AT 800 CFM

O.D. TEMP.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP.				TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP.			
F.	60	70	75	80	60	70	75	80
2	6.16	6.05	5.99	5.94	1.31	1.39	1.43	1.47
7	8.02	7.87	7.79	7.72	1.35	1.44	1.48	1.52
12	9.87	9.68	9.59	9.50	1.40	1.49	1.53	1.58
17	11.72	11.50	11.39	11.28	1.44	1.54	1.58	1.63
22	13.24	13.00	12.87	12.75	1.49	1.58	1.63	1.68
27	14.77	14.49	14.35	14.22	1.53	1.63	1.68	1.73
32	16.29	15.99	15.83	15.69	1.57	1.67	1.72	1.77
37	18.14	17.81	17.63	17.47	1.62	1.72	1.77	1.83
42	20.49	20.10	19.90	19.72	1.67	1.78	1.83	1.88
47	22.83	22.40	22.18	21.98	1.72	1.83	1.89	1.94
52	24.68	24.22	23.98	23.76	1.77	1.88	1.94	1.99
57	26.53	26.04	25.78	25.54	1.81	1.93	1.99	2.04
62	28.38	27.85	27.57	27.32	1.86	1.98	2.04	2.10
67	30.23	29.67	29.37	29.11	1.91	2.03	2.09	2.15
72	32.08	31.49	31.17	30.89	1.95	2.08	2.14	2.20

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 800 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	700	900
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 800 CFM
HEATING CAP. (HIGH TEMP.) = 22400 BTUH
HEATING CAP. (LOW TEMP.) = 11500 BTUH
COMPR. POWER (HIGH TEMP.) = 1813 WATTS
COMPR. POWER (LOW TEMP.) = 1518 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.62
COEFF. OF PERF. (LOW TEMP.) = 2.22
OUTDOOR FAN POWER = 210 WATTS
INDOOR FAN POWER = 190 WATTS

2WCC3030A AT 1000 CFM

O.D. TEMP.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP.				TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP.			
F.	60	70	75	80	60	70	75	80
2	9.42	9.25	9.16	9.07	1.64	1.75	1.80	1.85
7	11.62	11.40	11.29	11.18	1.70	1.81	1.87	1.92
12	13.81	13.55	13.41	13.29	1.77	1.88	1.94	1.99
17	16.00	15.70	15.54	15.40	1.83	1.95	2.01	2.06
22	17.53	17.21	17.04	16.88	1.88	2.00	2.06	2.12
27	19.07	18.72	18.53	18.36	1.94	2.06	2.12	2.18
32	20.61	20.23	20.02	19.84	1.99	2.11	2.18	2.24
37	22.80	22.38	22.15	21.95	2.05	2.18	2.25	2.31
42	25.97	25.49	25.23	25.00	2.13	2.27	2.33	2.40
47	29.14	28.60	28.31	28.06	2.21	2.35	2.42	2.49
52	31.33	30.75	30.44	30.16	2.27	2.42	2.49	2.56
57	33.52	32.90	32.57	32.27	2.34	2.49	2.56	2.63
62	35.71	35.05	34.70	34.38	2.40	2.55	2.63	2.71
67	37.91	37.20	36.83	36.49	2.46	2.62	2.70	2.78
72	40.10	39.35	38.96	38.60	2.52	2.69	2.77	2.85

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1000 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	875	1125
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1000 CFM
HEATING CAP. (HIGH TEMP.) = 28600 BTUH
HEATING CAP. (LOW TEMP.) = 15700 BTUH
COMPR. POWER (HIGH TEMP.) = 2360 WATTS
COMPR. POWER (LOW TEMP.) = 1957 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.55
COEFF. OF PERF. (LOW TEMP.) = 2.35
OUTDOOR FAN POWER = 220 WATTS
INDOOR FAN POWER = 334 WATTS

2WCC3036A AT 1200 CFM

O.D. TEMP.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP.				TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP.			
F.	60	70	75	80	60	70	75	80
2	16.81	16.50	16.34	16.19	2.50	2.66	2.74	2.82
7	19.16	18.80	18.61	18.44	2.54	2.71	2.79	2.87
12	21.50	21.10	20.89	20.70	2.59	2.75	2.83	2.92
17	23.84	23.40	23.17	22.96	2.63	2.80	2.88	2.97
22	24.25	23.80	23.56	23.34	2.64	2.81	2.90	2.98
27	24.65	24.19	23.95	23.73	2.66	2.83	2.91	3.00
32	25.05	24.59	24.34	24.12	2.67	2.84	2.93	3.01
37	27.40	26.89	26.62	26.37	2.71	2.89	2.97	3.06
42	32.65	32.04	31.72	31.43	2.80	2.98	3.07	3.16
47	37.91	37.20	36.83	36.49	2.89	3.07	3.16	3.25
52	40.25	39.50	39.11	38.75	2.93	3.12	3.21	3.30
57	42.59	41.80	41.38	41.01	2.97	3.16	3.25	3.35
62	44.94	44.10	43.66	43.26	3.01	3.21	3.30	3.40
67	47.28	46.40	45.94	45.52	3.06	3.25	3.35	3.45
72	49.63	48.70	48.21	47.77	3.10	3.30	3.39	3.49

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1200 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1050	1350
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1200 CFM
HEATING CAP. (HIGH TEMP.) = 37200 BTUH
HEATING CAP. (LOW TEMP.) = 23400 BTUH
COMPR. POWER (HIGH TEMP.) = 3070 WATTS
COMPR. POWER (LOW TEMP.) = 2798 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.55
COEFF. OF PERF. (LOW TEMP.) = 2.45
OUTDOOR FAN POWER = 237 WATTS
INDOOR FAN POWER = 425 WATTS

Performance Data Heating

2WCC3042A AT 1400 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	16.00	15.70	15.54	15.40	2.67	2.84	2.93	3.01
7	18.75	18.40	18.22	18.05	2.71	2.88	2.97	3.06
12	21.50	21.10	20.89	20.70	2.75	2.93	3.01	3.10
17	24.25	23.80	23.56	23.35	2.79	2.97	3.05	3.14
22	24.92	24.46	24.21	23.99	2.79	2.97	3.06	3.15
27	25.59	25.12	24.86	24.64	2.80	2.98	3.07	3.16
32	26.26	25.77	25.52	25.28	2.81	2.99	3.08	3.17
37	29.01	28.47	28.19	27.93	2.85	3.03	3.12	3.21
42	34.89	34.24	33.89	33.59	2.93	3.12	3.21	3.31
47	40.76	40.00	39.60	39.24	3.02	3.21	3.31	3.40
52	43.51	42.70	42.27	41.89	3.06	3.25	3.35	3.45
57	46.26	45.40	44.95	44.54	3.09	3.29	3.39	3.49
62	49.01	48.10	47.62	47.19	3.13	3.33	3.43	3.53
67	51.76	50.80	50.29	49.83	3.17	3.37	3.47	3.57
72	54.52	53.50	52.96	52.48	3.21	3.41	3.52	3.62

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1400 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1225	1575
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1400 CFM
HEATING CAP. (HIGH TEMP.) = 40000 BTUH
HEATING CAP. (LOW TEMP.) = 23800 BTUH
COMPR. POWER (HIGH TEMP.) = 3211 WATTS
COMPR. POWER (LOW TEMP.) = 2967 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.65
COEFF. OF PERF. (LOW TEMP.) = 2.35
OUTDOOR FAN POWER = 265 WATTS
INDOOR FAN POWER = 515 WATTS

2WCC3048A AT 1600 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	12.99	12.75	12.62	12.51	2.43	2.59	2.67	2.74
7	16.81	16.50	16.33	16.19	2.53	2.69	2.77	2.85
12	20.63	20.25	20.05	19.86	2.62	2.79	2.88	2.96
17	24.45	24.00	23.76	23.54	2.72	2.89	2.98	3.07
22	26.19	25.70	25.45	25.21	2.79	2.97	3.06	3.15
27	27.93	27.41	27.13	26.89	2.87	3.05	3.14	3.23
32	29.67	29.11	28.82	28.56	2.94	3.13	3.22	3.32
37	33.49	32.86	32.53	32.24	3.04	3.23	3.33	3.42
42	40.43	39.68	39.28	38.93	3.16	3.37	3.47	3.57
47	47.38	46.50	46.03	45.61	3.29	3.50	3.61	3.71
52	51.20	50.25	49.74	49.29	3.39	3.61	3.71	3.82
57	55.02	54.00	53.46	52.97	3.48	3.71	3.82	3.93
62	58.84	57.75	57.17	56.65	3.58	3.81	3.92	4.04
67	62.66	61.50	60.88	60.33	3.67	3.91	4.03	4.14
72	66.49	65.25	64.59	64.01	3.77	4.01	4.13	4.25

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1600 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1400	1800
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1600 CFM
HEATING CAP. (HIGH TEMP.) = 46500 BTUH
HEATING CAP. (LOW TEMP.) = 24000 BTUH
COMPR. POWER (HIGH TEMP.) = 3539 WATTS
COMPR. POWER (LOW TEMP.) = 2930 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.85
COEFF. OF PERF. (LOW TEMP.) = 2.40
OUTDOOR FAN POWER = 307 WATTS
INDOOR FAN POWER = 599 WATTS

2WCC3060A AT 2000 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	22.42	22.00	21.78	21.58	3.74	3.97	4.09	4.21
7	26.50	26.00	25.74	25.51	3.80	4.05	4.17	4.29
12	30.57	30.00	29.70	29.43	3.87	4.12	4.24	4.37
17	34.65	34.00	33.66	33.36	3.94	4.20	4.32	4.45
22	36.73	36.04	35.68	35.36	3.97	4.23	4.35	4.48
27	38.81	38.09	37.71	37.36	4.00	4.26	4.39	4.51
32	40.89	40.13	39.73	39.37	4.03	4.29	4.42	4.55
37	44.97	44.13	43.69	43.29	4.10	4.36	4.49	4.63
42	52.04	51.07	50.56	50.10	4.23	4.50	4.64	4.77
47	59.11	58.00	57.42	56.90	4.36	4.64	4.78	4.92
52	63.18	62.01	61.38	60.83	4.43	4.71	4.85	4.99
57	67.26	66.01	65.34	64.75	4.50	4.78	4.93	5.07
62	71.34	70.01	69.30	68.67	4.57	4.86	5.00	5.15
67	75.41	74.01	73.27	72.60	4.64	4.93	5.08	5.23
72	79.49	78.01	77.23	76.52	4.70	5.01	5.16	5.31

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 2000 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1750	2250
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 2000 CFM
HEATING CAP. (HIGH TEMP.) = 58000 BTUH
HEATING CAP. (LOW TEMP.) = 34000 BTUH
COMPR. POWER (HIGH TEMP.) = 4593 WATTS
COMPR. POWER (LOW TEMP.) = 4151 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.70
COEFF. OF PERF. (LOW TEMP.) = 2.40
OUTDOOR FAN POWER = 356 WATTS
INDOOR FAN POWER = 559 WATTS

Performance Data Heating

4WCC3018A AT 600 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1.77	1.73	1.72	1.70	0.58	0.62	0.64	0.66
12	3.94	3.87	3.83	3.79	0.68	0.73	0.75	0.77
17	6.11	6.00	5.94	5.89	0.78	0.83	0.86	0.88
22	8.12	7.97	7.89	7.82	0.92	0.98	1.01	1.04
27	10.12	9.94	9.84	9.75	1.06	1.13	1.16	1.20
32	12.13	11.90	11.78	11.68	1.20	1.28	1.32	1.36
37	14.30	14.04	13.90	13.77	1.30	1.39	1.43	1.47
42	16.73	16.42	16.25	16.11	1.34	1.42	1.47	1.51
47	19.15	18.80	18.61	18.44	1.38	1.46	1.51	1.55
52	21.33	20.93	20.72	20.53	1.47	1.57	1.62	1.66
57	23.50	23.06	22.83	22.63	1.57	1.67	1.72	1.77
62	25.68	25.20	24.95	24.72	1.67	1.78	1.83	1.89
67	27.85	27.33	27.06	26.81	1.77	1.89	1.94	2.00
72	30.02	29.46	29.17	28.90	1.87	1.99	2.05	2.11

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 600 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	525	675
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 600 CFM
HEATING CAP. (HIGH TEMP.) = 18800 BTUH
HEATING CAP. (LOW TEMP.) = 6000 BTUH
COMPR. POWER (HIGH TEMP.) = 1489 WATTS
COMPR. POWER (LOW TEMP.) = 858 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.70
COEFF. OF PERF. (LOW TEMP.) = 2.05
OUTDOOR FAN POWER = 104 WATTS
INDOOR FAN POWER = 219 WATTS

4WCC3036A AT 1200 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	11.46	11.25	11.14	11.04	2.73	2.91	2.99	3.08
7	14.40	14.13	13.99	13.86	2.76	2.93	3.02	3.11
12	17.34	17.02	16.85	16.69	2.78	2.96	3.05	3.14
17	20.28	19.90	19.70	19.52	2.81	2.99	3.08	3.17
22	21.81	21.40	21.19	20.99	2.79	2.96	3.05	3.14
27	23.34	22.90	22.67	22.46	2.76	2.94	3.03	3.11
32	24.86	24.40	24.16	23.94	2.74	2.91	3.00	3.09
37	27.80	27.28	27.01	26.77	2.76	2.94	3.03	3.12
42	32.85	32.24	31.92	31.63	2.87	3.05	3.14	3.23
47	37.91	37.20	36.83	36.49	2.97	3.16	3.25	3.35
52	40.84	40.08	39.68	39.32	3.00	3.19	3.28	3.38
57	43.78	42.97	42.54	42.15	3.02	3.22	3.31	3.41
62	46.72	45.85	45.39	44.98	3.05	3.24	3.34	3.44
67	49.66	48.73	48.25	47.81	3.07	3.27	3.37	3.47
72	52.60	51.62	51.10	50.64	3.10	3.30	3.40	3.50

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1200 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1050	1350
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1200 CFM
HEATING CAP. (HIGH TEMP.) = 37200 BTUH
HEATING CAP. (LOW TEMP.) = 19900 BTUH
COMPR. POWER (HIGH TEMP.) = 3159 WATTS
COMPR. POWER (LOW TEMP.) = 2990 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.45
COEFF. OF PERF. (LOW TEMP.) = 1.95
OUTDOOR FAN POWER = 229 WATTS
INDOOR FAN POWER = 446 WATTS

4WCC3048A AT 1600 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	19.16	18.80	18.61	18.44	3.33	3.54	3.65	3.75
7	22.35	21.93	21.71	21.52	3.37	3.58	3.69	3.80
12	25.54	25.07	24.82	24.59	3.41	3.63	3.74	3.84
17	28.73	28.20	27.92	27.66	3.45	3.67	3.78	3.89
22	30.28	29.72	29.42	29.15	3.46	3.68	3.79	3.90
27	31.83	31.24	30.92	30.64	3.46	3.68	3.79	3.90
32	33.38	32.75	32.43	32.13	3.47	3.69	3.80	3.91
37	36.57	35.89	35.53	35.20	3.51	3.73	3.84	3.96
42	42.23	41.44	41.03	40.66	3.60	3.83	3.95	4.06
47	47.89	47.00	46.53	46.11	3.70	3.93	4.05	4.17
52	51.09	50.13	49.63	49.18	3.74	3.98	4.10	4.22
57	54.28	53.27	52.73	52.25	3.78	4.02	4.14	4.26
62	57.47	56.40	55.84	55.33	3.82	4.07	4.19	4.31
67	60.66	59.53	58.94	58.40	3.86	4.11	4.23	4.36
72	63.86	62.67	62.04	61.48	3.90	4.15	4.28	4.40

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 1600 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1400	1800
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 1600 CFM
HEATING CAP. (HIGH TEMP.) = 47000 BTUH
HEATING CAP. (LOW TEMP.) = 28200 BTUH
COMPR. POWER (HIGH TEMP.) = 3935 WATTS
COMPR. POWER (LOW TEMP.) = 3672 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.50
COEFF. OF PERF. (LOW TEMP.) = 2.25
OUTDOOR FAN POWER = 313 WATTS
INDOOR FAN POWER = 595 WATTS

Performance Data Heating

4WCC3060A AT 2000 CFM

O.D. TEMP. F.	HEATING CAPACITY (BTUH/1000) AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80	TOTAL POWER IN KILOWATTS AT INDICATED INDOOR DRY BULB TEMP. 60	70	75	80
2	5.76	5.65	5.59	5.54	2.03	2.16	2.22	2.29
7	11.86	11.63	11.52	11.41	2.35	2.50	2.57	2.65
12	17.95	17.62	17.44	17.28	2.67	2.84	2.93	3.01
17	24.05	23.60	23.36	23.15	2.99	3.19	3.28	3.38
22	28.58	28.05	27.77	27.51	3.42	3.63	3.74	3.85
27	33.11	32.49	32.17	31.88	3.84	4.08	4.20	4.33
32	37.64	36.94	36.57	36.24	4.26	4.53	4.67	4.80
37	43.74	42.92	42.49	42.11	4.58	4.87	5.02	5.17
42	52.19	51.21	50.70	50.24	4.76	5.06	5.21	5.36
47	60.63	59.50	58.91	58.37	4.93	5.25	5.40	5.56
52	66.73	65.49	64.83	64.24	5.25	5.59	5.76	5.93
57	72.83	71.47	70.76	70.11	5.58	5.93	6.11	6.29
62	78.93	77.46	76.68	75.98	5.90	6.28	6.47	6.65
67	85.03	83.44	82.61	81.85	6.22	6.62	6.82	7.02
72	91.12	89.42	88.53	87.72	6.55	6.96	7.17	7.38

CORRECTION FACTORS FOR OTHER AIRFLOWS
(VALUE AT 2000 CFM TIMES CORR. FACTOR = VALUE AT NEW AIRFLOW)

AIRFLOW	1750	2250
HEATING CAP.	X 0.987	X 1.011
COMPR. KW	X 0.975	X 1.025

VALUES AT ARI RATING CONDITIONS OF:
70&47/43 (HIGH TEMP. POINT)
70&17/15 (LOW TEMP. POINT)

AIRFLOW = 2000 CFM
HEATING CAP. (HIGH TEMP.) = 59500 BTUH
HEATING CAP. (LOW TEMP.) = 23600 BTUH
COMPR. POWER (HIGH TEMP.) = 5204 WATTS
COMPR. POWER (LOW TEMP.) = 3143 WATTS
HSPF (MIN DHR - ZONE 4) = 7.70
COEFF. OF PERF. (HIGH TEMP.) = 3.35
COEFF. OF PERF. (LOW TEMP.) = 2.20
OUTDOOR FAN POWER = 301 WATTS
INDOOR FAN POWER = 550 WATTS

Indoor Blower Performance

Indoor Fan Performance 2/4WCC3018A1

Horizontal Airflow

2/4WC*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

2/4WC*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	485	-	-	-

Indoor Fan Performance 2/4WCC024A1

Horizontal Airflow

2/4WC*3024A1-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

2/4WC*3024A1-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	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 2/4WCC3030A1

Horizontal Airflow

2/4WC*3030A1-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

2/4WC*3030A1-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 2/4WCC3036A

Horizontal Airflow

2/4WC*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

2/4WC*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 2/4WCC3042A1

Horizontal Airflow

2WC*3042A1-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	-	-	-
MEDIUM	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

2/4WC*3042A1-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	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 2/4WCC3048A

Horizontal Airflow

2/4WC*3048A1 -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

2/4WC*3048A1 -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 2/4WCC3060A

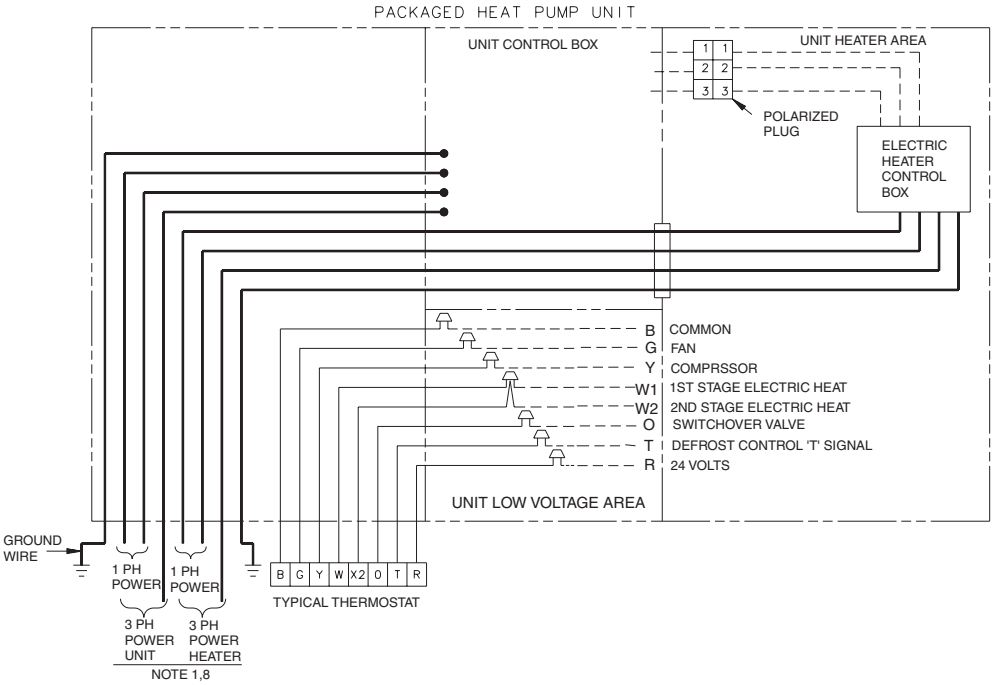
Horizontal Airflow

2/4WC*3060A1-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

2/4WC*3060A1-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	-

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 41A(BR) WIRE IS FIRST STAGE ELECTRIC HEAT. IF THE ELECTRIC HEATER ACCESSORY HAS TWO HEATING STAGES THE 41C(BR) WIRE IS SECOND STAGE ELECTRIC HEAT.
9. WHEN THE BAYECON054A OR –055A ECONOMIZER IS INSTALLED THE BAYRLAY003 RELAY ACCESSORY KIT IS REQUIRED TO INTERFACE THE ECONOMIZER TO THE HEAT PUMP FOR PROPER SYSTEM OPERATION. WHEN THE BAYECON054B OR –055B OR 073A 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

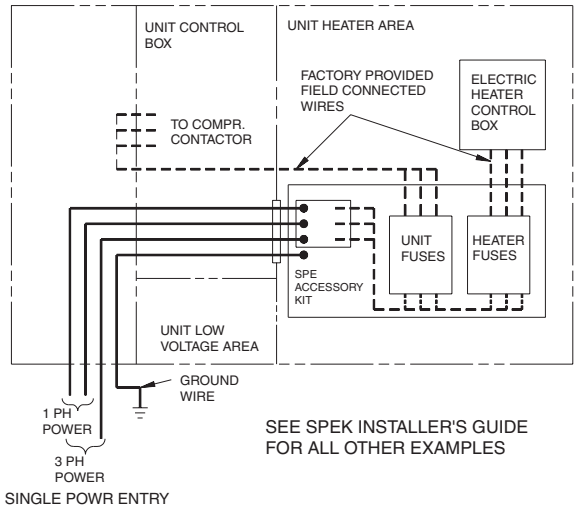


FIG. 2 ECONOMIZER ACCESSORY CONNECTIONS

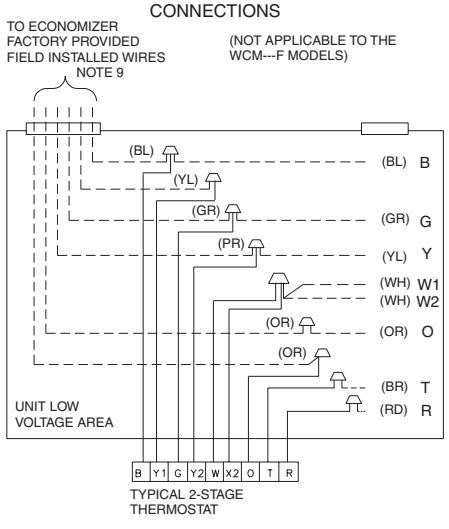
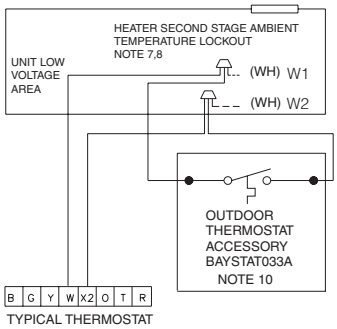
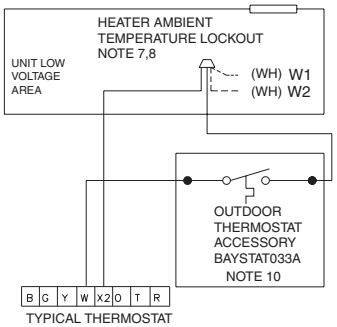


FIG. 3 OUTDOOR THERMOSTAT ACCESSORY CONNECTIONS





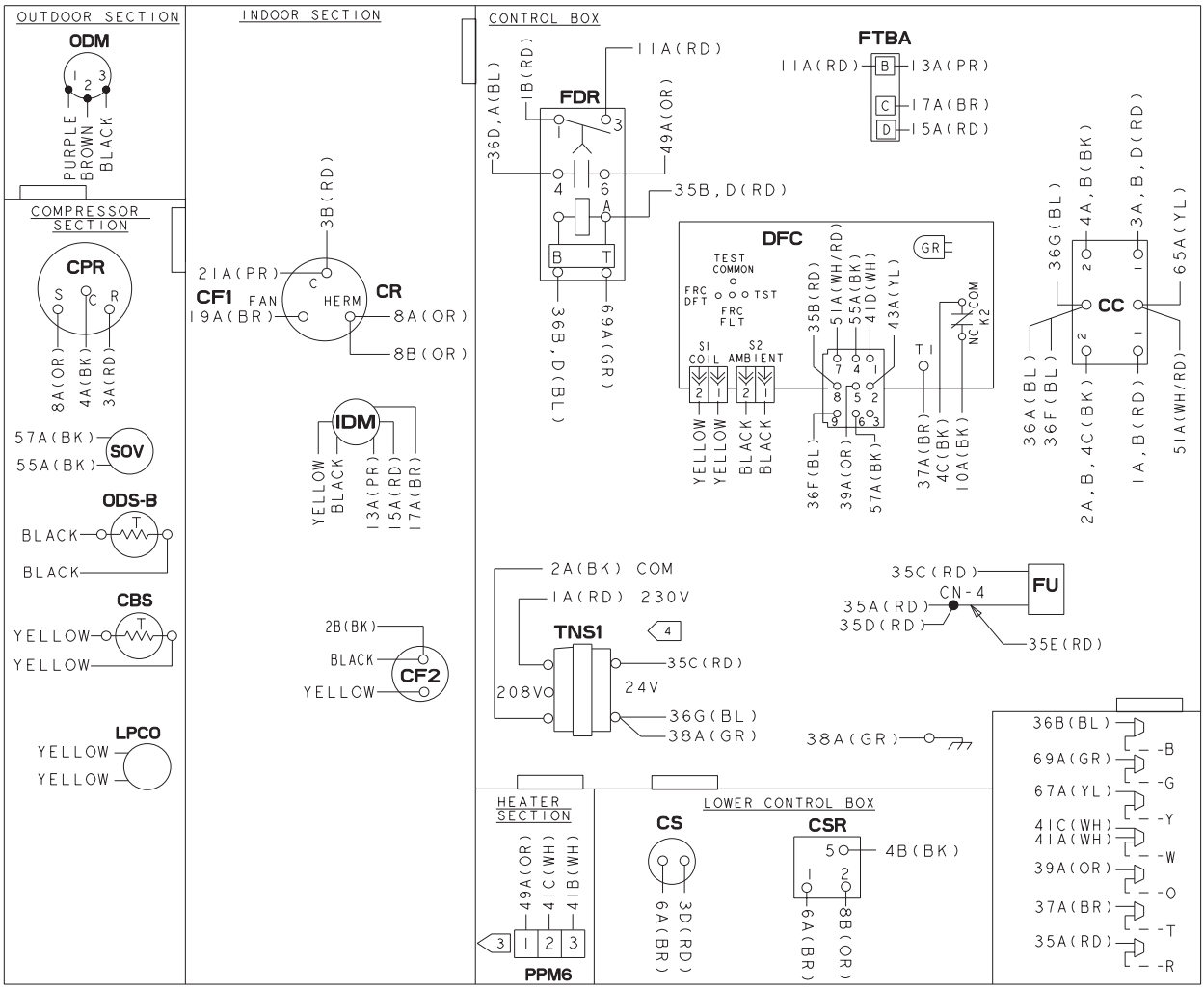
INTER–COMPONENT WIRING

24V. LINE V. } FACTORY WIRING

24V. LINE V. } FIELD WIRING

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		

Typical 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		

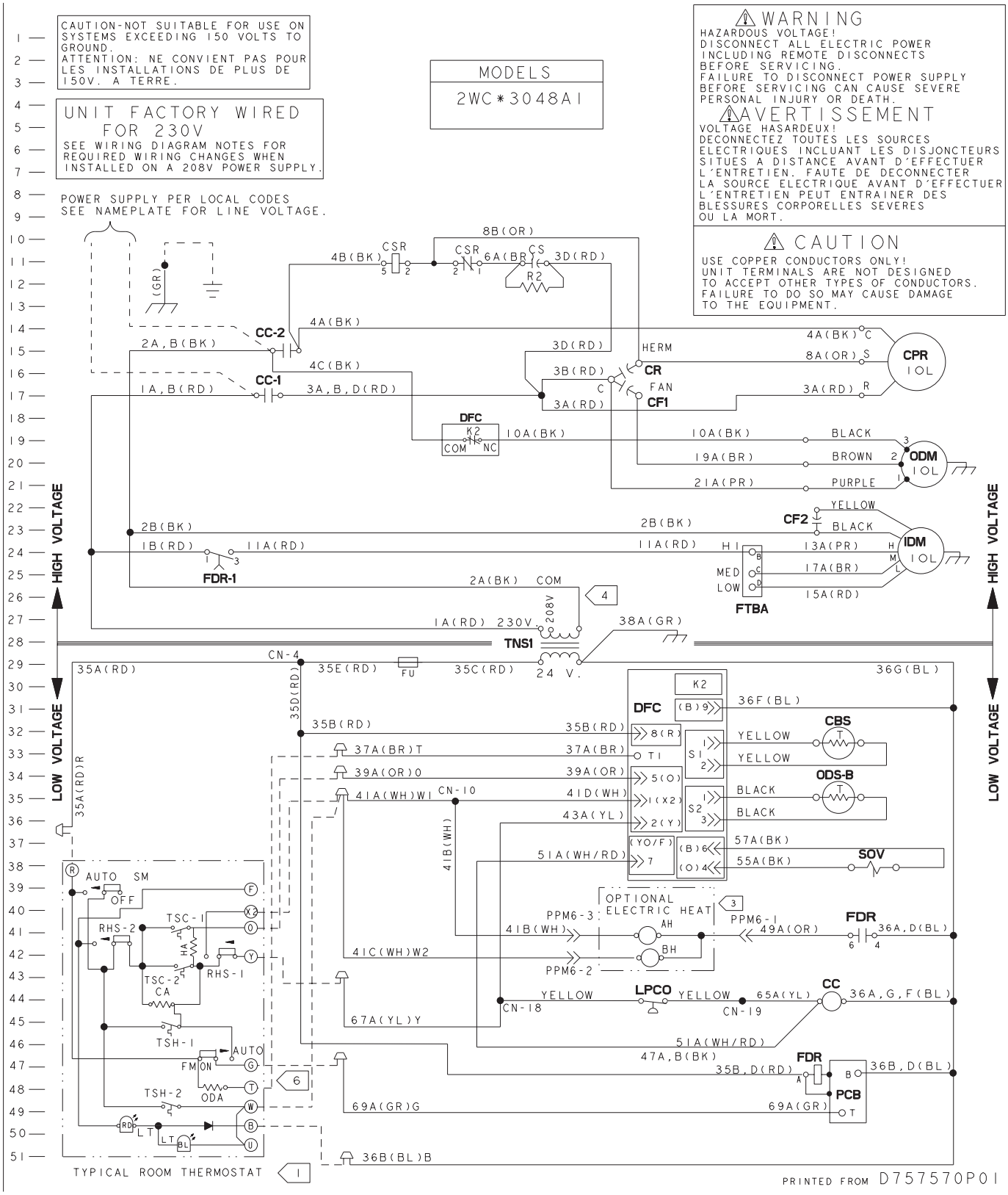
NOTES:

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 1D(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.

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

D757570P01

Typical Wiring

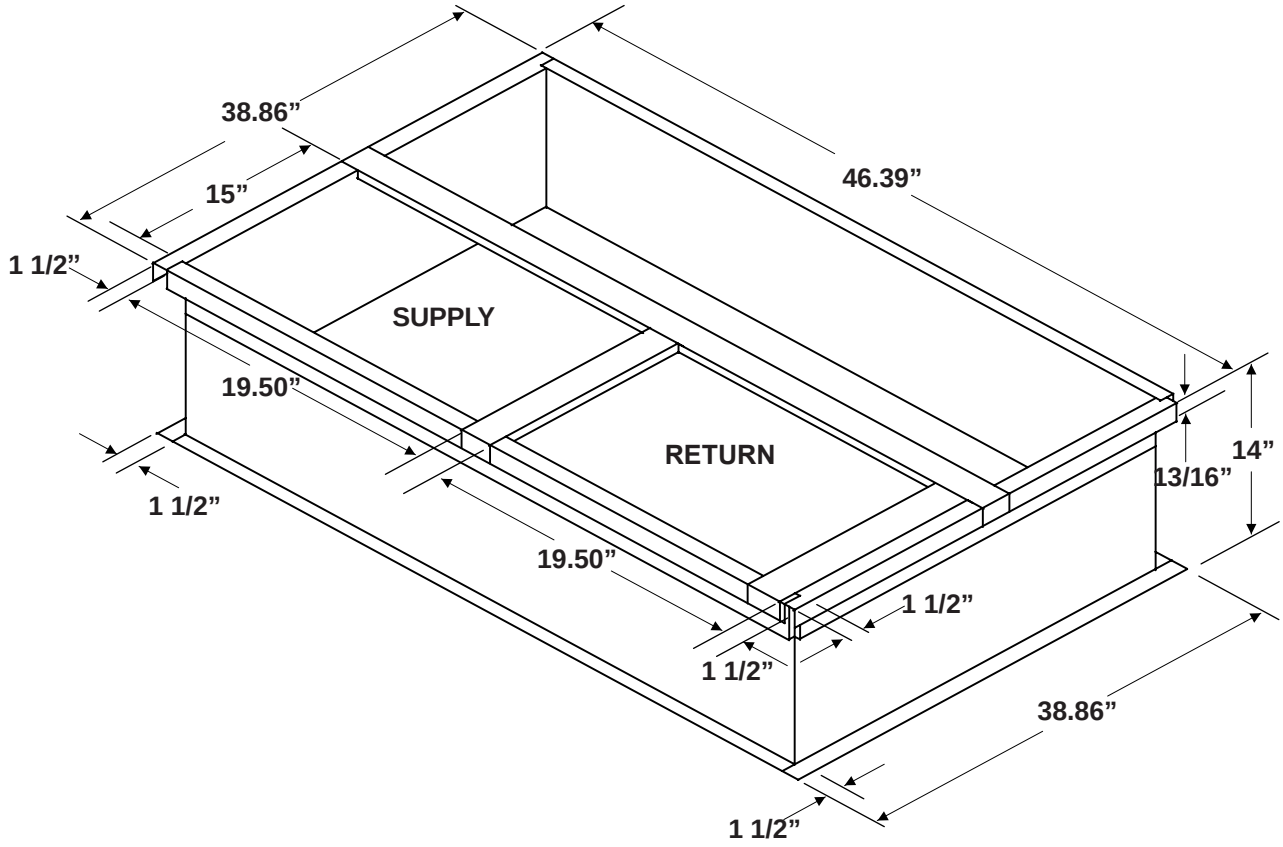


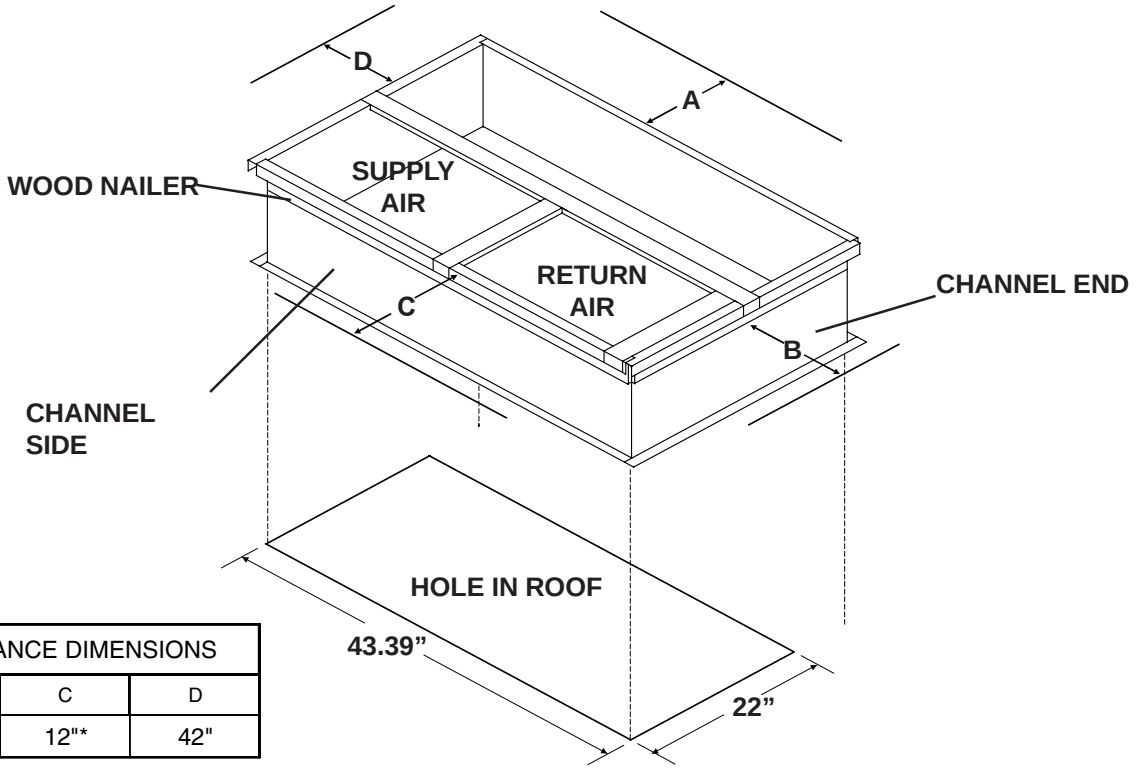
WARNING: Do NOT connect 24 VAC to T1 terminal. ODS-B thermister WILL BE BLOWN.

From Dwg. 21D757165 P02

Optional Equipment

BAYCURB050A FULL PERIMETER ROOF MOUNTING CURB FOR *****018-036A





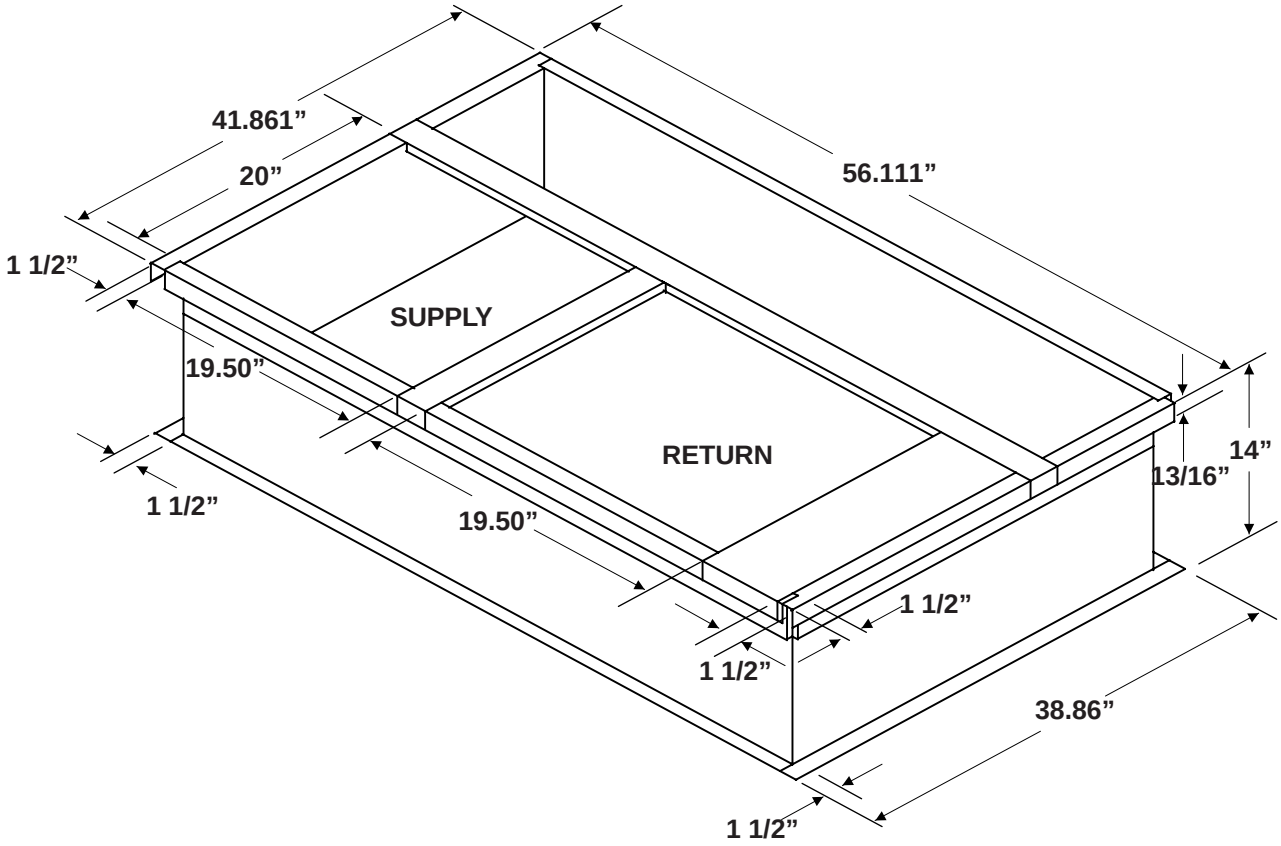
SERVICE CLEARANCE DIMENSIONS			
A	B	C	D
42"	36"	12"*	42"

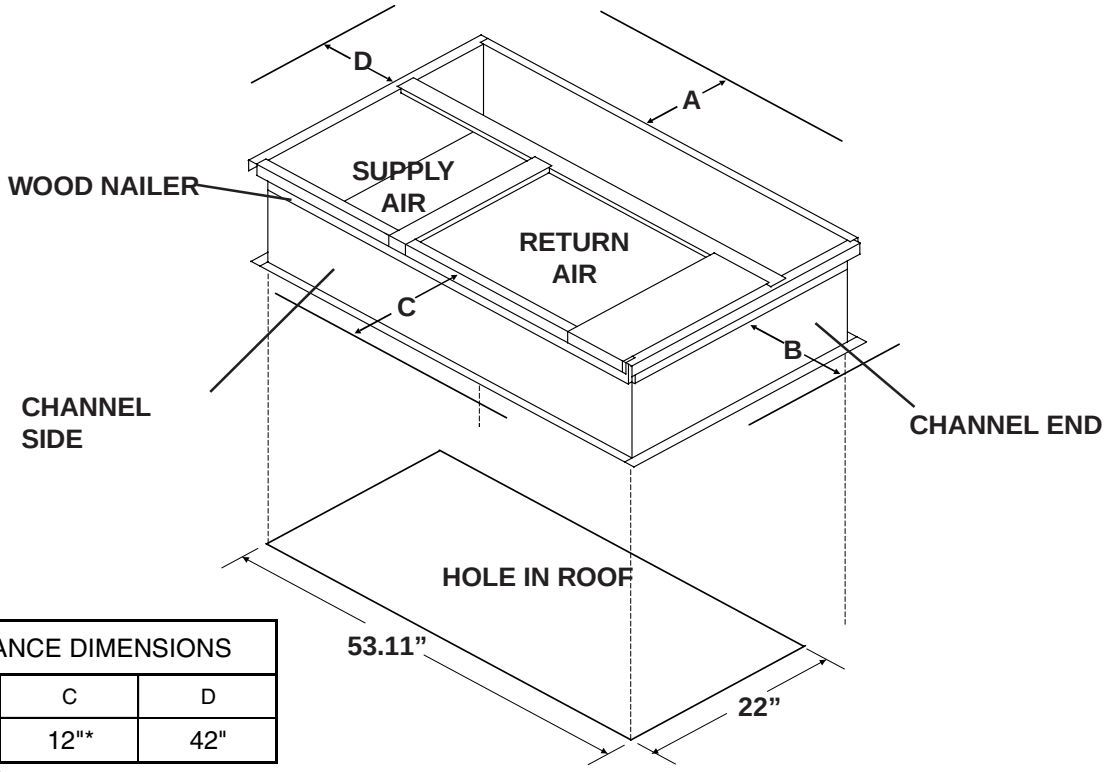
*42” WITH ECONOMIZER
WITH 25% FRESH AIR ACCESSORY

BAYCURB050A

Optional Equipment

BAYCURB051A Full Perimeter Roof Mounting Curb for *****042-060A





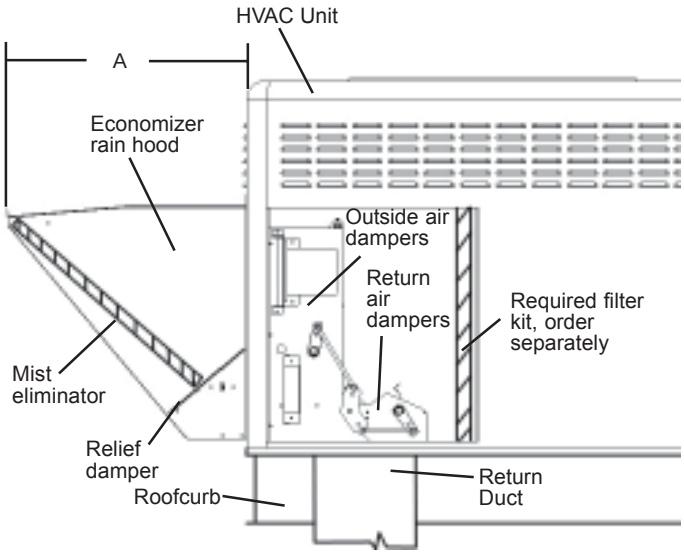
SERVICE CLEARANCE DIMENSIONS			
A	B	C	D
42"	36"	12"*	42"

*42” WITH ECONOMIZER
WITH 25% FRESH AIR ACCESSORY

BAYCURB051A

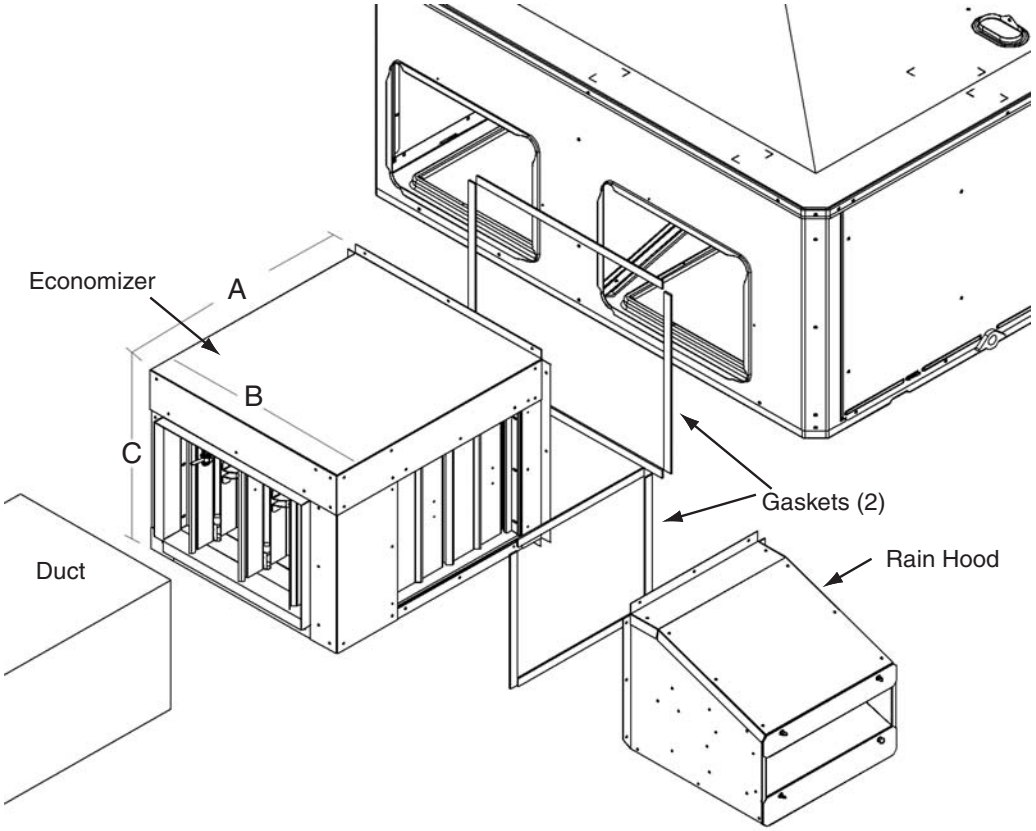
Optional Equipment

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



Economizer	Unit ApplicationM odels	A
BAYECON101A	2/4YC,WC3018-036A 4TC*3018-036A	20.125"
BAYECON102A	2/4YC,WC3042-060A 4TC*3042-060A	24.375"

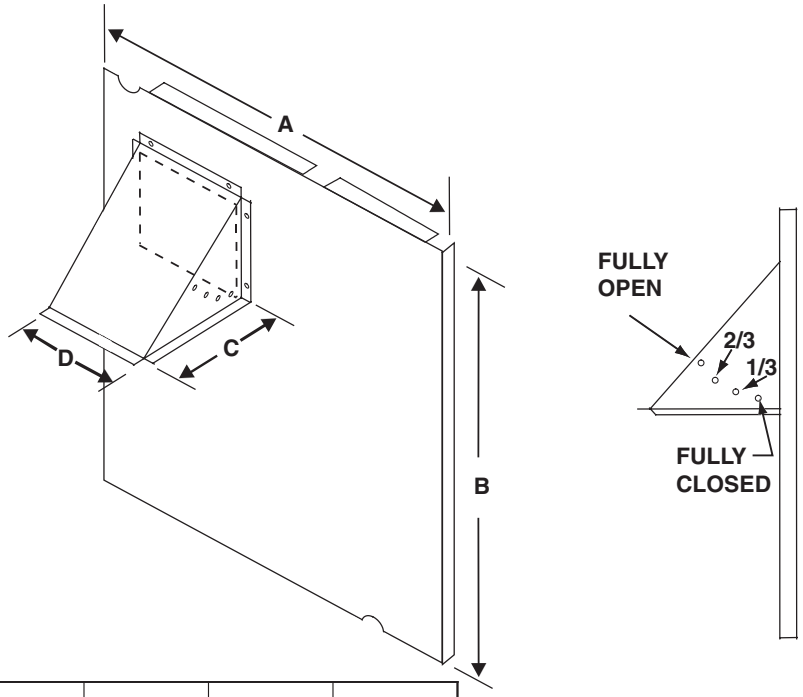
BAYCON200,201A Horizontal Economizer and Rain Hood



Economizer	Unit Application Models	A	B	C
BAYECON200AA	2/4YC,WC3018-036A 4TC*3018-036A	22.00"	20.00"	16.87"
BAYECON201AA	2/4YC,WC3042-060A 4TC*3042-060A	24.00"	22.65"	19.00"

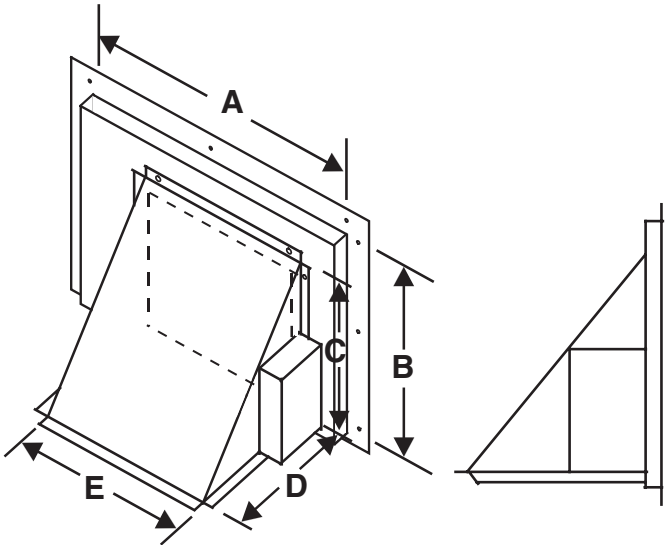
Optional Equipment

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



Manual Fresh Air Model	Unit Application Models	A	B	C	D
BAYOSAH001	2/4YC,WC3018-036A 4TC*3018-036A	22 7/16"	20 11/16"	12 3/8"	9 3/16"
BAYOSAH002	2/4YC,WC3042-060A 4TC*3042-060A	25 3/16"	20 11/16"	12 3/8"	9 3/16"

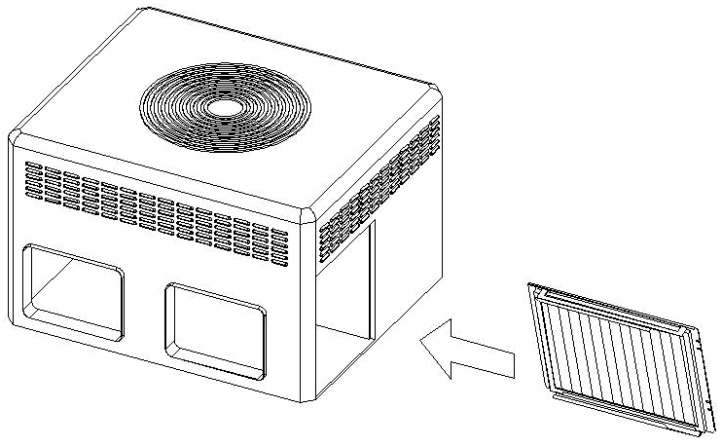
BAYDMPR101,102A, 25% Motorized Outside Air Damper (Mounts Over Horizontal Return AIr Opening)

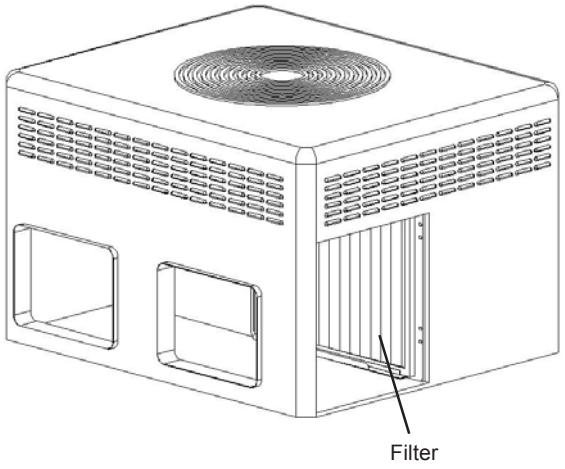


	Unit Application Models	A	B	C	D	E
BAYDMPR101A	2/4YC,WC3018-036A 4TC3018-036A	15 13/16"	11 13/16"	10 1/4"	11 1/2"	12 1/4"
BAYDMPR102A	2/4YC,WC3042-060A 4TC3042-060A	18 3/16"	15 1/8"	10 1/4"	11 1/2"	12 1/4"

Optional Equipment

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





Dimensional Data and Weights

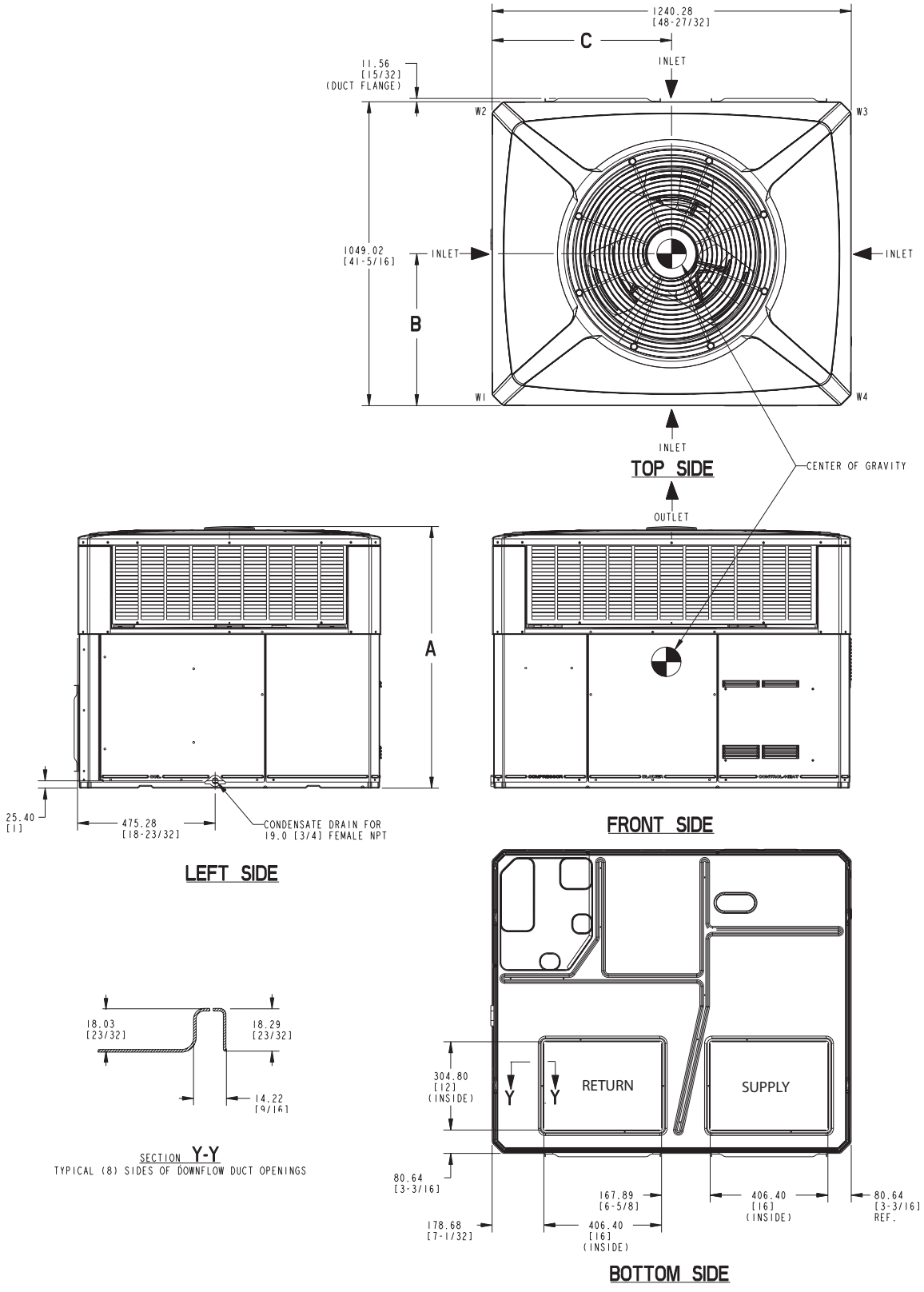
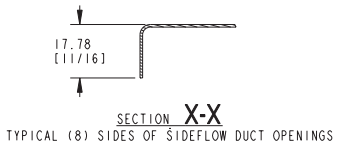


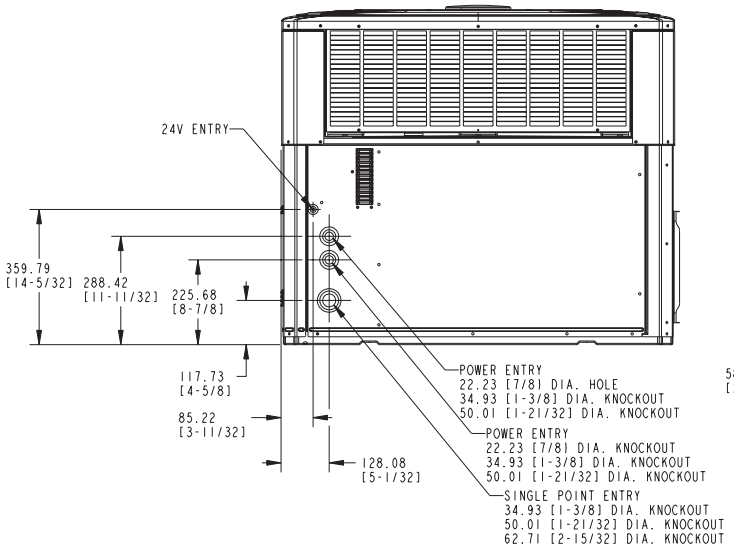
Figure 1. WCC3018A through WCC3036A (1 of 2)

Dimensional Data and Weights

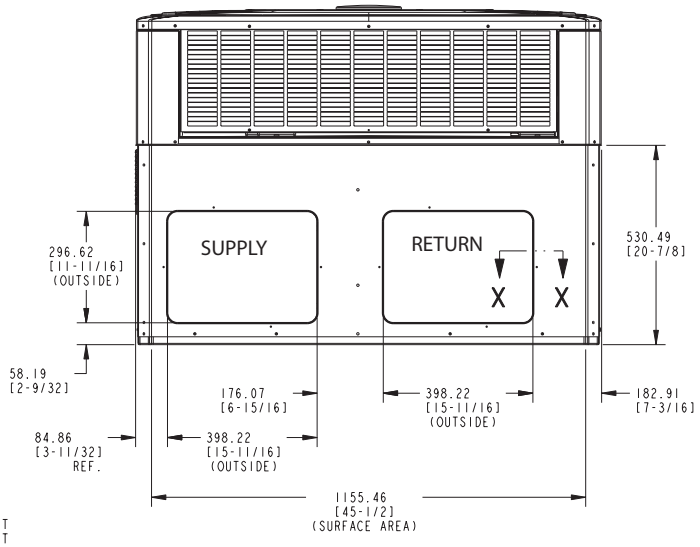
RECOMMENDED SERVICE CLEARANCE			
		WITH O.A. DAMPER/ECON.	WITH 2 POS. DAMPER
BACK SIDE	304.8 [12]	-	609.6 [24]
LEFT SIDE	762.0 [30]	1066.8 [42]	-
RIGHT SIDE	609.6 [24]	-	-
FRONT SIDE	762.0 [30]	-	-

CLEARANCE TO COMBUSTIBLE MATERIAL	
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]





RIGHT SIDE



BACK SIDE

MODEL	HEIGTH	APPROX. CORNER WEIGHT - KG/LBS				TOTAL WEIGHT KG/LBS	CENTER OF GRAVITY	
	A	W1	W2	W3	W4		B	C
4TCC018	903.29 [35-9/16]	36 [79]	57 [125]	40 [88]	25 [56]	158 [348]	635 [25.0]	508 [20.0]
4TCC024		36 [79]	57 [125]	40 [88]	25 [56]	158 [348]	635 [25.0]	508 [20.0]
4TCC030		36 [79]	57 [125]	40 [88]	25 [56]	158 [349]	635 [25.0]	508 [20.0]
4TCC036		36 [78]	56 [124]	41 [89]	26 [56]	161 [354]	635 [25.0]	508 [20.0]
4WCC018		36 [78]	56 [124]	41 [89]	26 [56]	158 [348]	635 [25.0]	515.6 [20.3]
2WCC024		36 [80]	58 [127]	42 [92]	26 [58]	162 [357]	635 [25.0]	515.6 [20.3]
2WCC030		37 [81]	58 [128]	41 [91]	26 [57]	162 [358]	635 [25.0]	508 [20.0]
2/4WCC036		38 [84]	61 [134]	43 [94]	27 [60]	169 [372]	635 [25.0]	508 [20.0]

Figure 2. WCC3018A through WCC3036A (2 of 2)

Dimensional Data and Weights

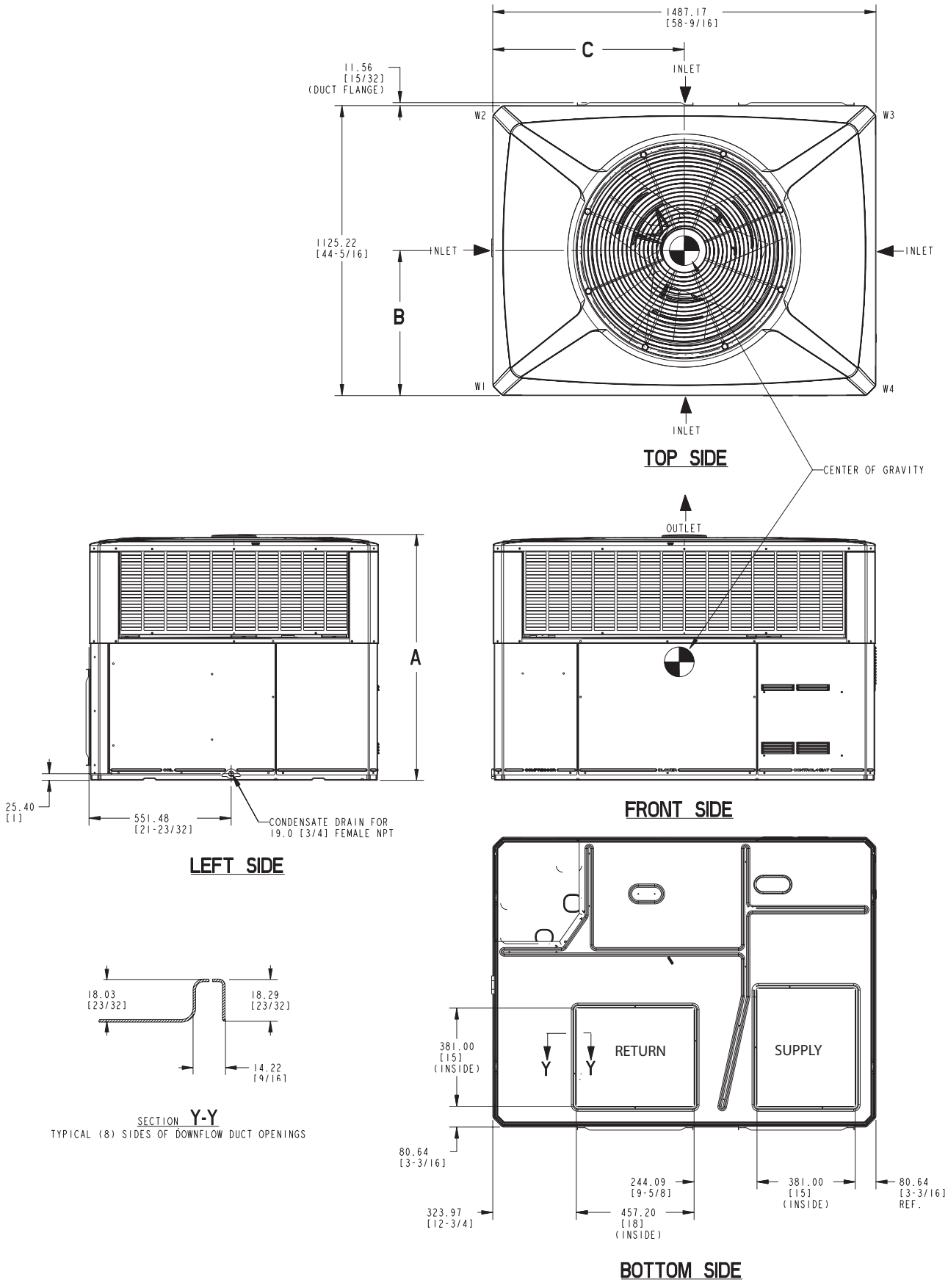
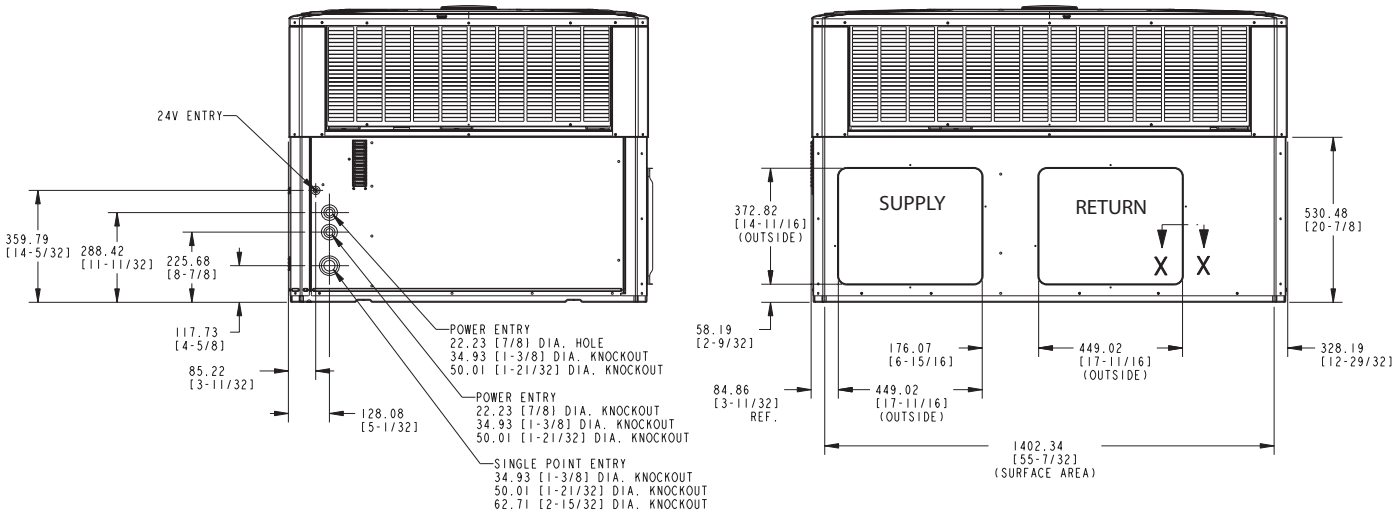


Figure 3. WCC3042A through WCC3060A (1 of 2)

Dimensional Data and Weights

RECOMMENDED SERVICE CLEARANCE			
		WITH O.A. DAMPER/ECON.	WITH 2 POS. DAMPER
BACK SIDE	304.8 [12]	-	609.6 [24]
LEFT SIDE	762.0 [30]	1066.8 [42]	-
RIGHT SIDE	609.6 [24]	-	-
FRONT SIDE	762.0 [30]	-	-

CLEARANCE TO COMBUSTIBLE MATERIAL	
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]



MODEL	HEIGTH	APPROX. CORNER WEIGHT - KG/LBS				TOTAL WEIGHT KG/LBS	CENTER OF GRAVITY	
	A	W1	W2	W3	W4		B	C
4TCC042	954.10 [37-9/16]	41 [90]	62 [137]	46 [102]	30 [67]	179 [395]	673.1 [26.5]	629.92 [24.8]
4TCC048		47 [105]	76 [168]	58 [127]	36 [79]	217 [479]	685.8 [27.0]	635 [25.0]
4TCC060	1004.90 [39-9/16]	46 [102]	78 [172]	59 [130]	35 [77]	219 [482]	698.5 [27.5]	635 [25.0]
2WCC042	954.10 [37-9/16]	42 [92]	63 [138]	46 [102]	31 [69]	182 [401]	668.02 [26.3]	629.92 [24.8]
2WCC048		44 [98]	66 [146]	49 [109]	33 [73]	193 [425]	668.02 [26.3]	629.92 [24.8]
4WCC048		41 [90]	69 [152]	52 [115]	31 [68]	193 [425]	698.5 [27.5]	635 [25.0]
2WCC060	1055.70 [41-9/16]	48 [105]	80 [177]	61 [134]	36 [79]	225 [495]	698.5 [27.5]	635 [25.0]
4WCC060	1004.90 [39-9/16]	47 [104]	79 [175]	60 [132]	36 [76]	222 [490]	698.5 [27.5]	635 [25.0]

Figure 4. WCC3042A through WCC3060A (2 of 2)

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 UL listed and carry a UL label. 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 ARI 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 Climatuff® compressors. Internal overcurrent and over temperature protection, internal pressure relief shall be standard. Crankcase heaters shall be standard on all models.

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. Electric heat modules shall be UL listed.

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 barometic 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
6200 Troup Highway
Tyler, TX 75707-9010
An American Standard Company