

OMNIGUARD™ EVAPORATOR COILS

PRODUCT SPECIFICATIONS

EVAPORATOR COILS FEATURES

- **Omniguard™ Total Corrosion Protection*** our advanced evaporator coil helps protect against leaks and corrosion for long term performance
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Aluminum tubing, hairpins, distributors and header tubes. Copper refrigerant connections for easy brazing to both liquid and suction lines.
- Preformed flanges in outlet for quick and easy plenum connections
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- All drain pans are compatible with UV lights
- All piston coils are compatible with R22 or R410a
- 10-year limited parts warranty available when applied with a system. See limited warranty document for details.

FORM NO. BC/BH1P/BC4X (07/2021)



BC4X
BC1P

Upflow Coils

BC4X (Cased)

- Dedicated upflow
- Factory installed TXV for quick installation in high efficiency applications
- Tightly sealed, painted steel cabinet with wall to wall insulation to ensure <2% air leakage
- Single protruding right side dual drain port for easy installation and service access

BC1P (Cased)

- Dedicated upflow
- External cabinet mounted distributor body designed for easy changing of orifice sizes and fast TXV connections
- Single protruding right side dual drain port for easy installation and service access

Horizontal Coils

BH1P (Cased)

- Dedicated horizontal
- Insulated galvanized steel case with durable embossed finish
- Removable panels provide access to coil
- Refrigerant lines extend outside of the cabinet for easy connection



BH1P

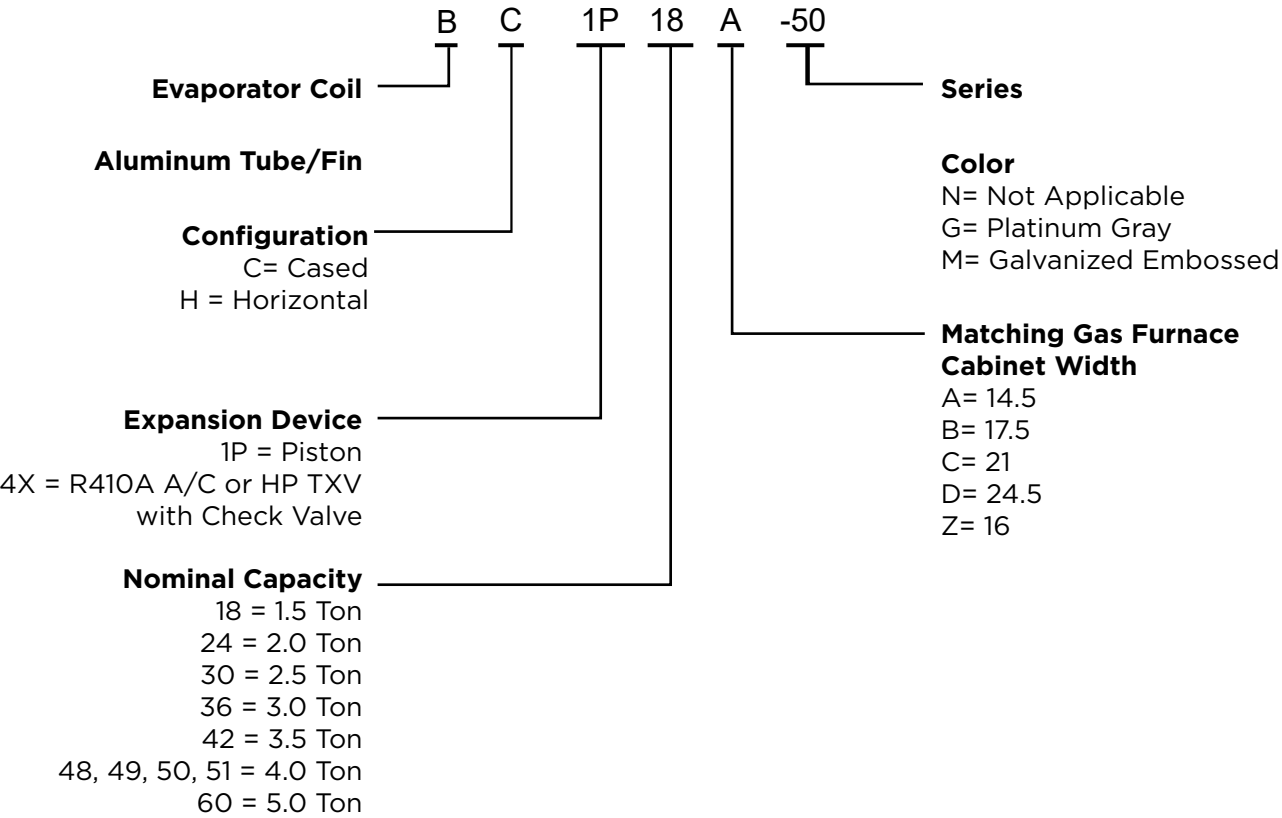
WARRANTY

10 year limited parts warranty available when applied with a system. See limited warranty document for details.



* All models feature Omniguard coils

MODEL NUMBER GUIDE



BC1P

SPECIFICATIONS					1.5 TO 2 TON
General Data					
	Model No.	BC1P18/24	BC1P18/24B	BC1P24A	BC1P24B
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.053	0.053	0.057	0.057
Shipping Data - lbs.	Uncased	18	20	23	24
	Cased	30	34	38	43

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS					2.5 TO 3 TON
General Data					
	Model No.	BC1P30A	BC1P30B	BC1P30/36A	BC1P30/36B
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.067	0.067	0.057	0.057
Shipping Data - lbs.	Uncased	31	32	26	27
	Cased	45	50	41	45

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS					2.5 TO 4 TON
General Data					
	Model No.	BC1P30/36C	BC1P36A	BC1P36B	BC1P48B
	Nominal size - Tons	2.5 / 3	3	3	3.5 / 4
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.057	0.070	0.070	0.071
Shipping Data - lbs.	Uncased	29	31	33	43
	Cased	48	46	50	55

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

BC1P Continued

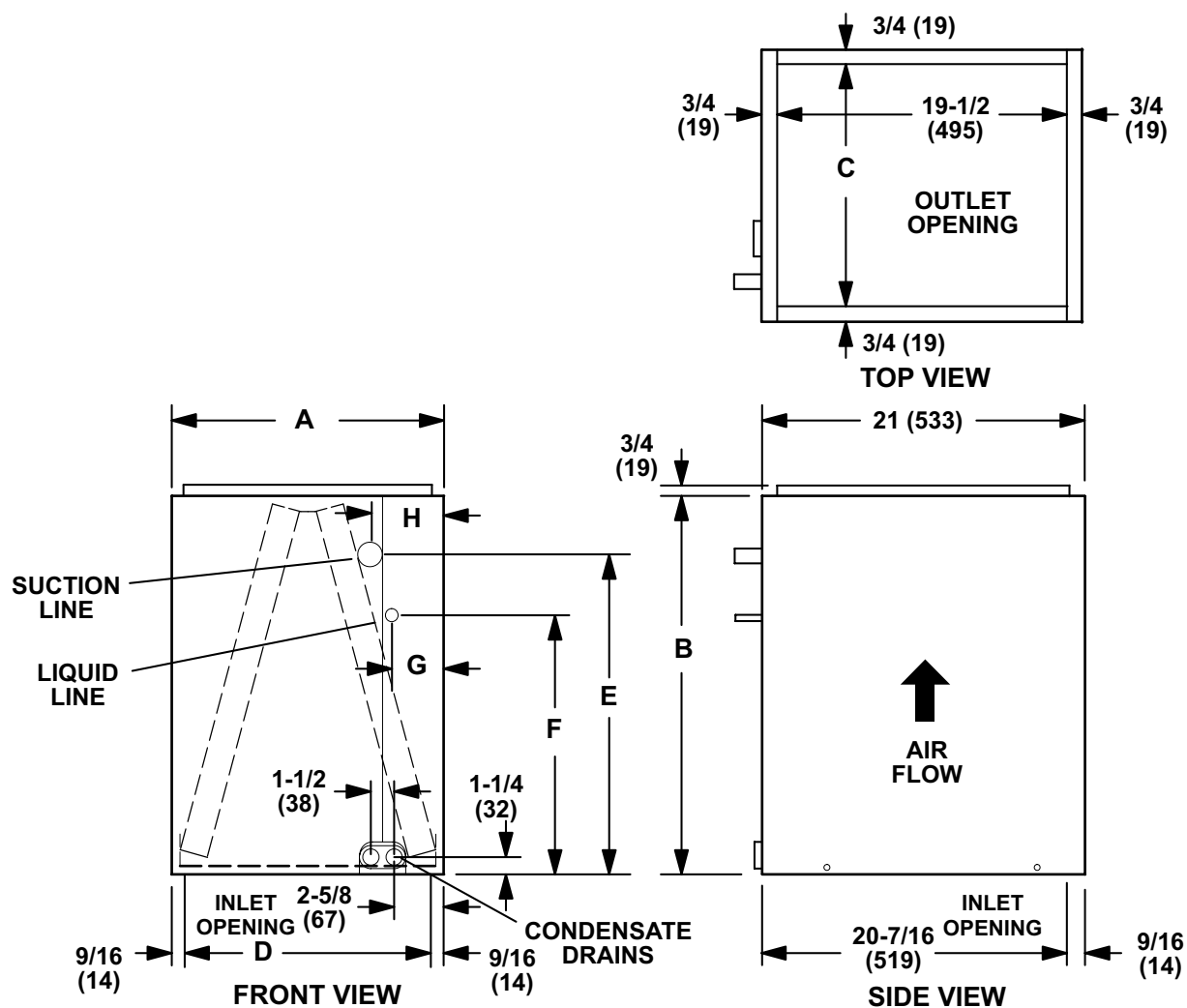
SPECIFICATIONS					4 TO 5 TON
General Data	Cased Model No.	BC1P49C	BC1P50/60C	BC1P60C	BC1P60D
	Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.076	0.070	0.077	0.077
Shipping Data - lbs.	Uncased	53	40	58	48
	Cased	70	60	73	72

BC1P

AIR RESISTANCE

Model No.	Air Volume cfm	Total Resistance		Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil			Dry Coil	Wet Coil
		in. w.g.	in. w.g.			in. w.g.	in. w.g.
BC1P18/24A BC1P18/24B	400	0.06	0.08	BC1P36A	800	0.13	0.14
	600	0.11	0.17		1000	0.19	0.21
	800	0.18	0.25		1200	0.27	0.30
	1000	0.27	0.39		1400	0.34	0.39
	1200	0.37	0.52		1600	0.45	0.51
BC1P24A	400	0.05	0.05	BC1P48B	1000	0.13	0.13
	600	0.09	0.10		1200	0.18	0.18
	800	0.16	0.18		1400	0.23	0.24
	1000	0.23	0.26		1600	0.30	0.31
	1200	0.32	0.36		1800	0.37	0.40
BC1P24B	400	0.03	0.04	BC1P48C	1000	0.07	0.09
	600	0.07	0.09		1200	0.10	0.12
	800	0.11	0.15		1400	0.13	0.16
	1000	0.17	0.22		1600	0.16	0.20
	1200	0.23	0.31		1800	0.20	0.24
BC1P30A	600	0.07	0.08	BC1P49C	1200	0.08	0.12
	800	0.12	0.13		1400	0.13	0.17
	1000	0.18	0.20		1600	0.17	0.22
	1200	0.26	0.28		1800	0.22	0.28
	1400	0.34	0.37		2000	0.28	0.35
BC1P30B	600	0.06	0.06	BC1P50/60C	1200	0.13	0.17
	800	0.09	0.11		1400	0.18	0.23
	1000	0.13	0.16		1600	0.23	0.29
	1200	0.19	0.23		1800	0.28	0.37
	1400	0.25	0.31		2000	0.34	0.43
BC1P30/36A	800	0.13	0.14	BC1P60D	1400	0.11	0.15
	1000	0.19	0.21		1600	0.14	0.18
	1200	0.27	0.30		1800	0.17	0.21
	1400	0.34	0.39		2000	0.21	0.27
	1600	0.45	0.51		2200	0.25	0.32
BC1P30/36B BC1P30/36C BC1P36B	800	0.08	0.11	BC1P60C	2400	0.30	0.37
	1000	0.13	0.16		1400	0.15	0.19
	1200	0.17	0.21		1600	0.19	0.23
	1400	0.22	0.28		1800	0.24	0.28
	1600	0.29	0.34		2000	0.29	0.34
					2200	0.33	0.40
					2400	0.39	0.46

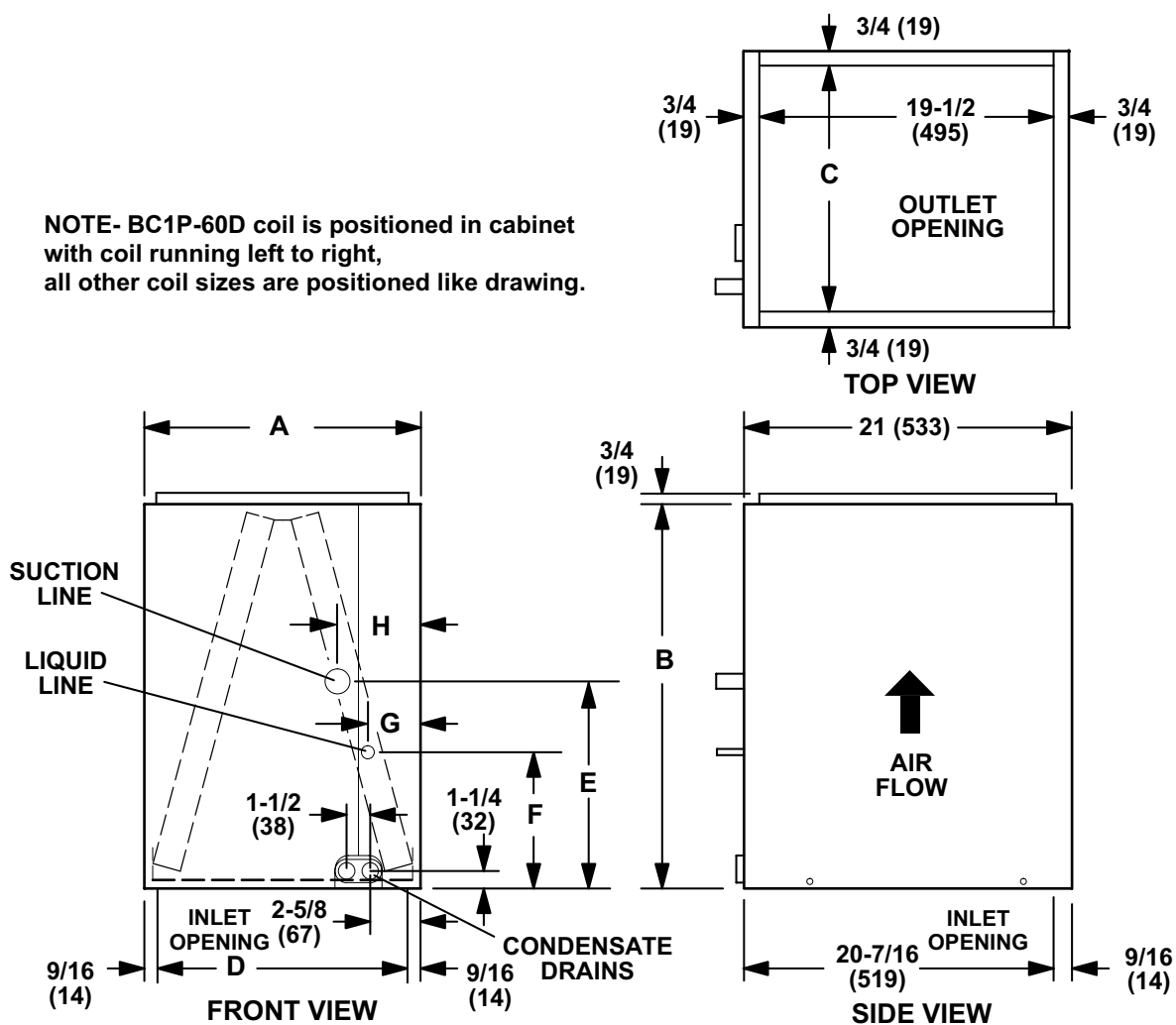
BC1P-18/24(A/B), -30/36(A/B/C), -36(A/B) Coils



Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC1P18/24A	14-1/2	368	16-1/2	419	13	330	13-3/8	340	7-3/8	187	3-1/2	89	3	76	3-7/8	98
BC1P18/24B	17-1/2	445	16-1/2	419	16	406	16-3/8	416	7	178	3-1/2	89	3	76	3-7/8	98
BC1P30/36A	14-1/2	368	24-1/2	622	13	330	13-3/8	340	14-1/4	362	4-3/4	121	3	76	3-7/8	98
BC1P30/36B	17-1/2	445	24-1/2	622	16	406	16-3/8	416	13-3/8	340	4-3/4	121	3	76	4-1/8	108
BC1P30/36C	21	533	24-1/2	622	19-1/2	495	19-7/8	505	14-3/8	365	4-3/4	121	3	76	3-5/8	92
BC1P36A	14-1/2	368	24-1/2	622	13	330	13-3/8	340	13-1/2	343	4-3/4	121	2	52	3-1/4	83
BC1P36B	17-1/2	445	24-1/2	622	16	406	16-3/8	416	13-3/4	350	4-3/4	121	2-5/8	67	3-7/8	98

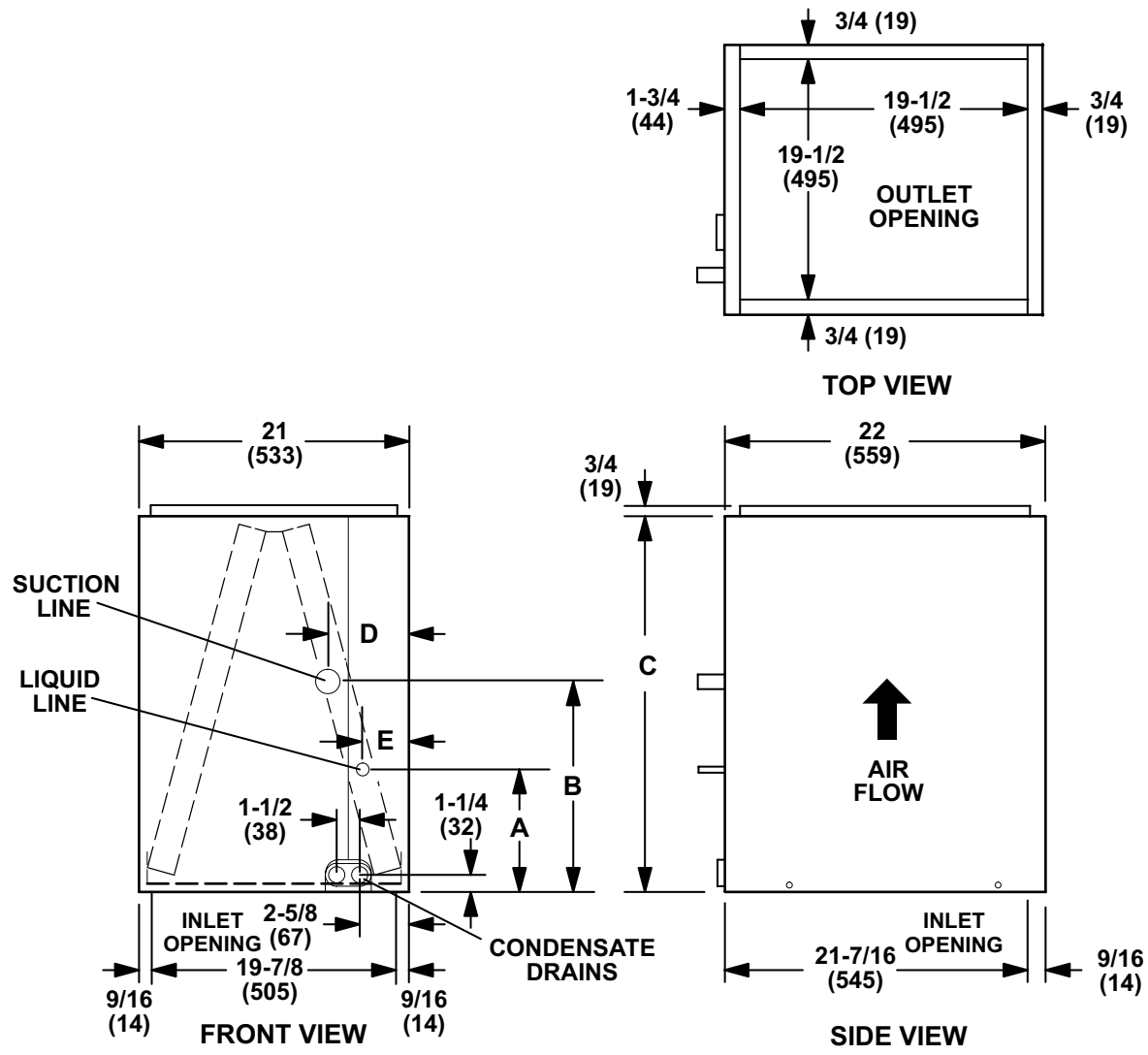
BC1P-24(A/B), -30(A/B), -48(B/C), -50/60C and -60D Coils

NOTE- BC1P-60D coil is positioned in cabinet with coil running left to right, all other coil sizes are positioned like drawing.



Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC1P24A	14-1/2	368	18-1/2	470	13	330	13-3/8	340	10-1/8	257	3-3/8	86	3	76	3-7/8	98
BC1P24B	17-1/2	445	18-1/2	470	16	406	16-3/8	416	10	254	3-1/2	89	3	76	3-7/8	98
BC1P30A	14-1/2	368	22-1/2	572	13	330	13-3/8	340	12	305	3-3/8	86	3	76	3-7/8	98
BC1P30B	17-1/2	445	22-1/2	572	16	406	16-3/8	416	10-1/2	267	3-3/8	86	3	76	3-7/8	98
BC1P48B	17-1/2	445	27-1/2	699	16	406	16-3/8	416	12-7/8	327	3-7/8	98	3	76	4	102
BC1P48C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
BC1P50/60C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
BC1P60D	24-1/2	622	29-1/2	749	23	584	23-3/8	594	15-1/8	384	4-1/2	121	1-5/8	41	2-5/8	67

BC1P-49C and BC1P-60C



Model Number	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC1P49C	4-3/4	121	12-1/8	308	29-1/2	749	3-3/8	86	2-1/2	64
BC1P60C	4-3/4	121	14-1/2	368	31-1/2	800	3-3/8	86	2-1/2	64

BH1P

SPECIFICATIONS							1.5 TO 3 TON	
General Data	Model No.	BH1P18A	BH1P24A	BH1P24B	BH1P30A	BH1P30B	BH1P36A	BH1P36B
	Nominal size - Tons	1.5	2	2	2.5	2.5	3	3
Line connections in.	Suction o.d. - sweat	7/8	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		43	45	49	55	53	47	48

SPECIFICATIONS							3 TO 5 TON	
General Data	Model No.	BH1P36C	BH1P42B	BH1P42C	BH1P48B	BH1P48C	BH1P51C	BH1P60D
	Nominal size - Tons	3	3.5	3.5	3.5/4	3.5/4	4	5
Line connections in.	Suction o.d. - sweat	7/8	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		55	66	60	60	59	69	78

BH1P**AIR RESISTANCE**

Air Volume cfm	Total Air Resistance - in. w.g.													
	BH1P18A		BH1P24A		BH1P24B		BH1P30A		BH1P30B		BH1P36A		BH1P36B	
	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
200	0.02	0.02	---	---	---	---	---	---	---	---	---	---	---	---
400	0.05	0.06	0.04	0.05	0.03	0.04	0.04	0.05	0.02	0.02	---	---	---	---
600	0.09	0.11	0.09	0.11	0.05	0.07	0.09	0.10	0.05	0.06	---	---	---	---
800	0.15	0.17	0.15	0.19	0.09	0.11	0.15	0.17	0.09	0.11	0.15	0.18	0.08	0.10
1000	0.22	0.25	0.23	0.29	0.15	0.17	0.24	0.27	0.14	0.16	0.22	0.27	0.11	0.16
1200	---	---	0.32	0.40	0.21	0.23	0.34	0.38	0.19	0.23	0.30	0.39	0.16	0.21
1400	---	---	0.43	0.50	0.28	0.30	0.45	0.51	0.26	0.30	0.41	0.48	0.21	0.27
1600	---	---	---	---	---	---	---	---	---	---	0.53	0.63	0.27	0.35

AIR RESISTANCE

Air Volume cfm														
	BH1P36C		BH1P42B		BH1P42C		BH1P48B		BH1P48C		BH1P51C		BH1P60D	
	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
800	0.06	0.08	0.10	0.10	0.06	0.06	---	---	---	---	---	---	---	---
1000	0.10	0.13	0.14	0.18	0.09	0.10	0.14	0.16	---	---	---	---	---	---
1200	0.15	0.18	0.20	0.25	0.15	0.16	0.19	0.23	0.16	0.19	0.15	0.16	---	---
1400	0.19	0.23	0.26	0.31	0.18	0.21	0.25	0.29	0.21	0.26	0.20	0.23	0.12	0.16
1600	0.24	0.31	0.34	0.36	0.26	0.28	0.30	0.38	0.27	0.30	0.25	0.29	0.16	0.20
1800	---	---	0.42	0.47	0.31	0.38	0.38	0.42	0.33	0.39	0.31	0.36	0.20	0.24
2000	---	---	---	---	---	---	---	---	0.39	0.49	0.40	0.44	0.24	0.30
2200	---	---	---	---	---	---	---	---	---	---	0.48	0.54	0.29	0.36
2400	---	---	---	---	---	---	---	---	---	---	---	---	0.34	0.42

BC4X**SPECIFICATIONS****1.5 TO 2 TON**

General Data	Model No.	BC4X18/24A	BC4X18/24B	BC4X24A	BC4X24B
	Nominal size - Tons	1.5 / 2	1.5 / 2	2	2
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		30	34	38	43

SPECIFICATIONS**2.5 TO 3 TON**

General Data	Model No.	BC4X30A	BC4X30B	BC4X30/36A	BC4X30/36B
	Nominal size - Tons	2.5	2.5	2.5 / 3	2.5 / 3
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		45	50	41	45

SPECIFICATIONS**2.5 TO 4 TON**

General Data	Model No.	BC4X30/36C	BC4X36A	BC4X36B	BC4X48B	BC4X48C
	Nominal size - Tons	2.5 / 3	3	3	3.5 / 4	3.5 / 4
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	3/4	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		48	46	50	55	60

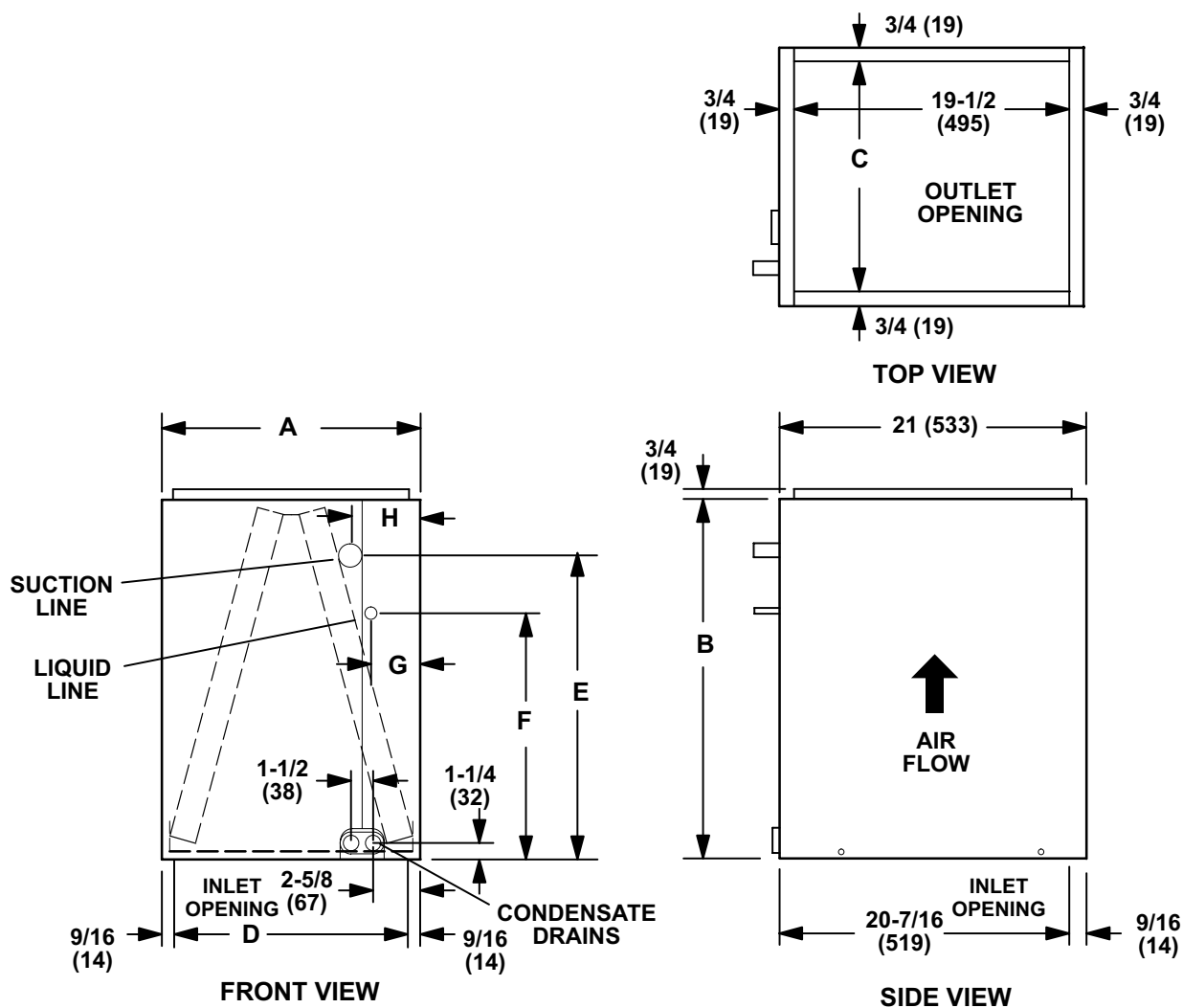
SPECIFICATIONS**4 TO 5 TON**

General Data	Model No.	BC4X49C	BC4X50/60C	BC4X60C	BC4X60D
	Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		70	60	73	72

EAC4X**AIR RESISTANCE**

Model No.	Air Volume	Total Resistance		Model No.	Air Volume	Total Resistance	
		Dry Coil	Wet Coil			Dry Coil	Wet Coil
	cfm	in. w.g.	in. w.g.		cfm	in. w.g.	in. w.g.
BC4X18/24A BC4X18/24B	400	0.06	0.08	BC4X36A	800	0.13	0.14
	600	0.11	0.17		1000	0.19	0.21
	800	0.18	0.25		1200	0.27	0.30
	1000	0.27	0.39		1400	0.34	0.39
	1200	0.37	0.52		1600	0.45	0.51
BC4X24A	400	0.05	0.05	BC4X48B	1000	0.13	0.13
	600	0.09	0.10		1200	0.18	0.18
	800	0.16	0.18		1400	0.23	0.24
	1000	0.23	0.26		1600	0.30	0.31
	1200	0.32	0.36		1800	0.37	0.40
BC4X24B	400	0.03	0.04	BC4X48C	1000	0.07	0.09
	600	0.07	0.09		1200	0.10	0.12
	800	0.11	0.15		1400	0.13	0.16
	1000	0.17	0.22		1600	0.16	0.20
	1200	0.23	0.31		1800	0.20	0.24
BC4X30A	600	0.07	0.08	BC4X49C	1200	0.08	0.12
	800	0.12	0.13		1400	0.13	0.17
	1000	0.18	0.20		1600	0.17	0.22
	1200	0.26	0.28		1800	0.22	0.28
	1400	0.34	0.37		2000	0.28	0.35
BC4X30B	600	0.06	0.06	BC4X50/60C	1200	0.13	0.17
	800	0.09	0.11		1400	0.18	0.23
	1000	0.13	0.16		1600	0.23	0.29
	1200	0.19	0.23		1800	0.28	0.37
	1400	0.25	0.31		2000	0.34	0.43
BC4X30/36A	800	0.13	0.14	BC4X60D	1400	0.11	0.15
	1000	0.19	0.21		1600	0.14	0.18
	1200	0.27	0.30		1800	0.17	0.21
	1400	0.34	0.39		2000	0.21	0.27
	1600	0.45	0.51		2200	0.25	0.32
BC4X30/36B BC4X30/36C BC4X36B	800	0.08	0.11	BC4X60C	2400	0.30	0.37
	1000	0.13	0.16		1400	0.15	0.19
	1200	0.17	0.21		1600	0.19	0.23
	1400	0.22	0.28		1800	0.24	0.28
	1600	0.29	0.34		2000	0.29	0.34
					2200	0.33	0.40
					2400	0.39	0.46

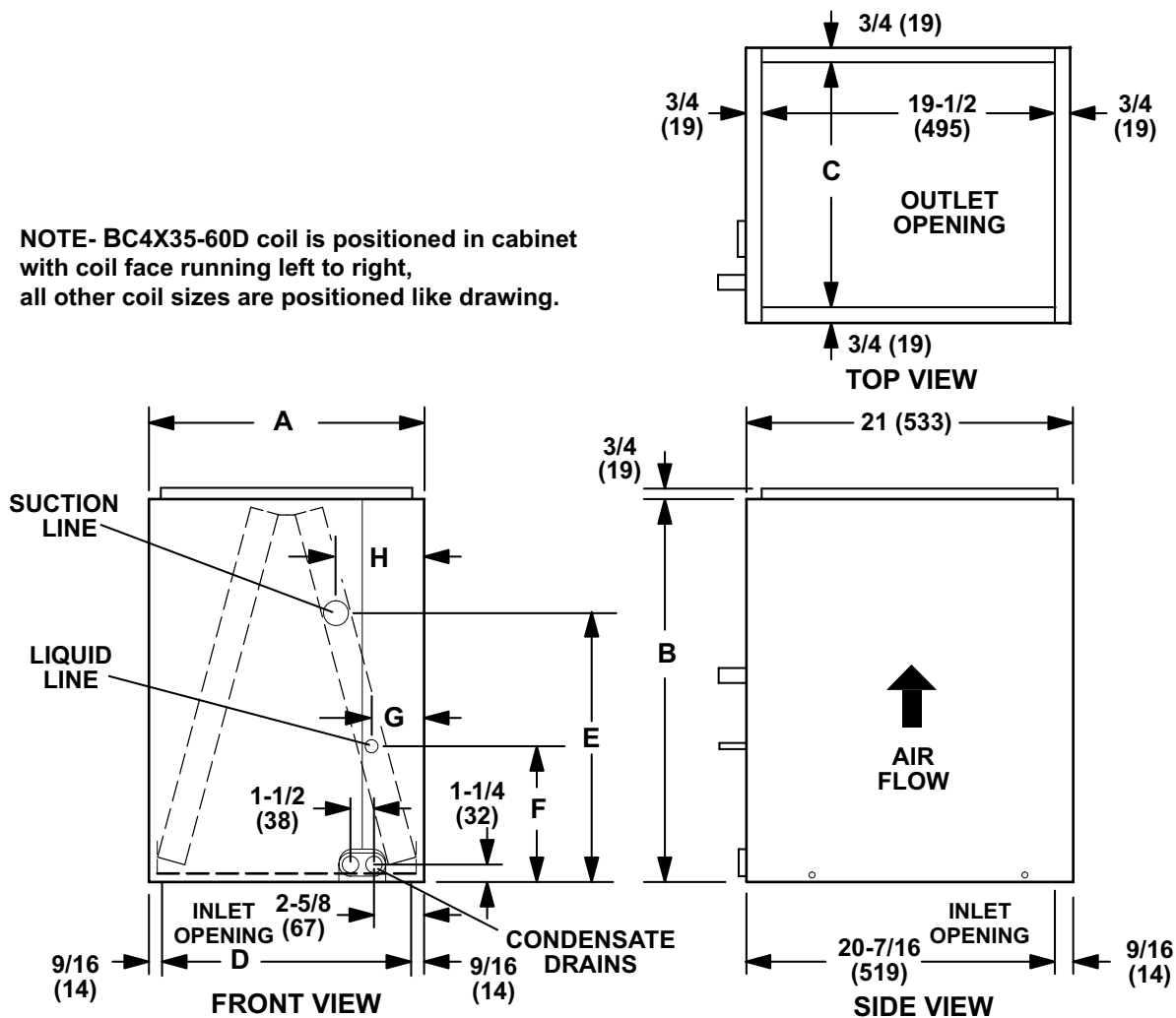
BC4X-18/24(A/B), -30/36(A/B/C) and -36(A/B) Coils



Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC4X18/24A	14-1/2	368	16-1/2	419	13	330	13-3/8	340	7-3/8	187	3-1/2	89	3	76	3-7/8	98
BC4X18/24B	17-1/2	445	16-1/2	419	16	406	16-3/8	416	7	178	3-1/2	89	3	76	3-7/8	98
BC4X30/36A	14-1/2	368	24-1/2	622	13	330	13-3/8	340	14-1/4	362	4-3/4	121	3	76	3-7/8	98
BC4X30/36B	17-1/2	445	24-1/2	622	16	406	16-3/8	416	13-3/8	340	4-3/4	121	3	76	4-1/8	108
BC4X30/36C	21	533	24-1/2	622	19-1/2	495	19-7/8	505	14-3/8	365	4-3/4	121	3	76	3-5/8	92
BC4X36A	14-1/2	368	24-1/2	622	13	330	13-3/8	340	13-1/2	343	4-3/4	121	2	52	3-1/4	83
BC4X36B	17-1/2	445	24-1/2	622	16	406	16-3/8	416	13-3/4	350	4-3/4	121	2-5/8	67	3-7/8	98

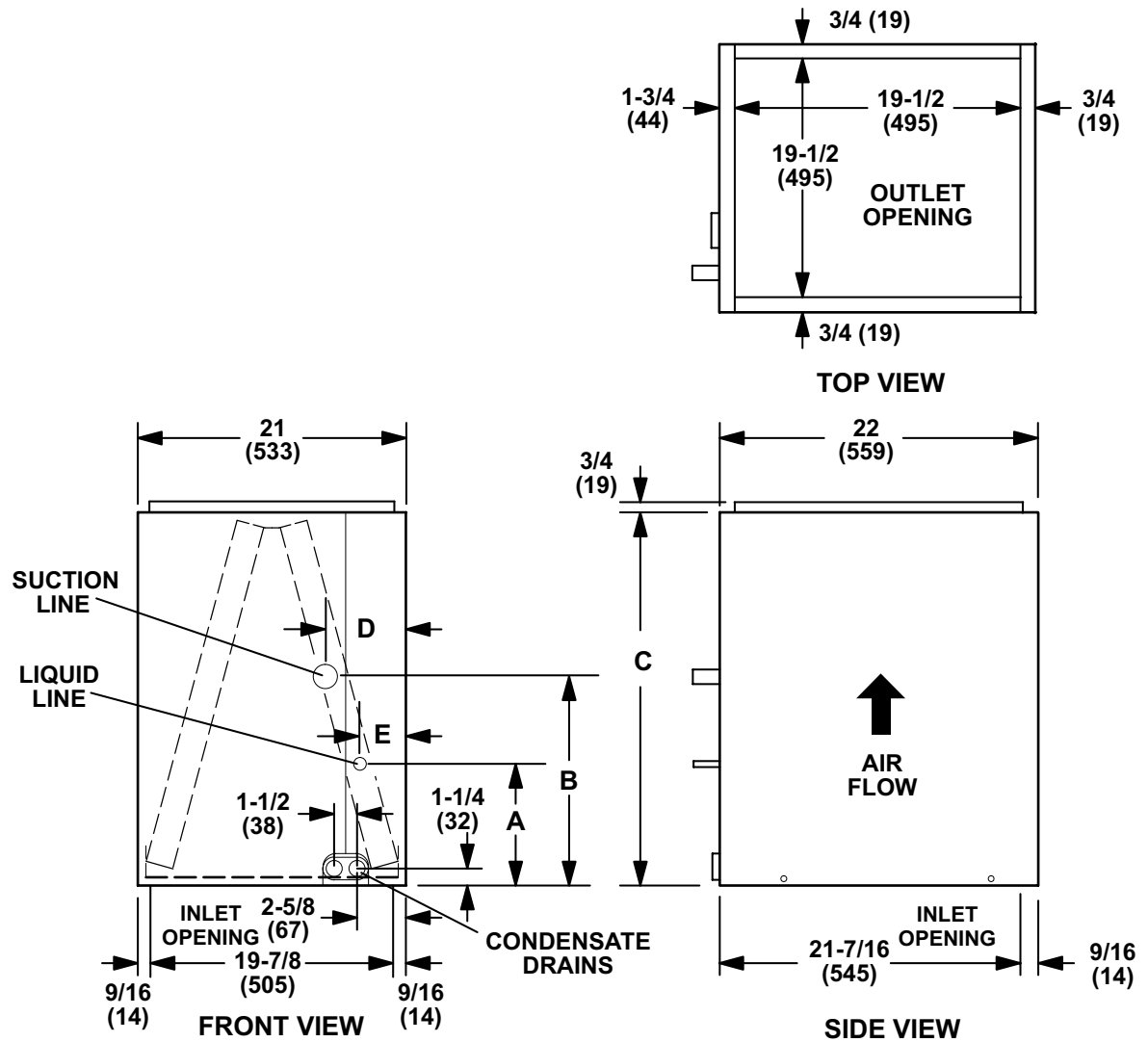
BC4X-24(A/B), -30(A/B), -48(B/C), -50/60C and -60D Coils

NOTE- BC4X35-60D coil is positioned in cabinet with coil face running left to right, all other coil sizes are positioned like drawing.



Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC4X24A	14-1/2	368	18-1/2	470	13	330	13-3/8	340	10-1/8	257	3-3/8	86	3	76	3-7/8	98
BC4X24B	17-1/2	445	18-1/2	470	16	406	16-3/8	416	10	254	3-1/2	89	3	76	3-7/8	98
BC4X30A	14-1/2	368	22-1/2	572	13	330	13-3/8	340	12	305	3-3/8	86	3	76	3-7/8	98
BC4X30B	17-1/2	445	22-1/2	572	16	406	16-3/8	416	10-1/2	267	3-3/8	86	3	76	3-7/8	98
BC4X48B	17-1/2	445	27-1/2	699	16	406	16-3/8	416	12-7/8	327	3-7/8	98	3	76	4	102
BC4X48C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
BC4X50/60C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
BC4X60D	24-1/2	622	29-1/2	749	23	584	23-3/8	594	15-1/8	384	4-1/2	121	1-5/8	41	2-5/8	67

BC4X-49C and BC4X-60C



Model Number	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC4X49C	4-3/4	121	12-1/8	308	29-1/2	749	3-3/8	86	2-1/2	64
BC4X60C	4-3/4	121	14-1/2	368	31-1/2	800	3-3/8	86	2-1/2	64