

EVAPORATOR COILS

PRODUCT SPECIFICATIONS

FORM NO. BC7C/BC7H/BC7D-100 (07/2024)

MULTI-REFRIGERANT COIL FEATURES

- Factory ready for R-410A installation
- Field-convertible to R-454B with additional field kit and R-454B TXV
- 1.5 to 5 ton nominal sizes

Coil Construction

- **Omniguard™ Total Corrosion Protection*** helps protect against leaks and corrosion for long term performance
- Aluminum tubing, hairpins, distributor and header tubes
- Copper refrigerant sweat connections on both liquid and suction lines for easy brazing

Casing Construction

- Pre-painted heavy gauge steel
- Tightly sealed with wall-to-wall foil-face insulation to ensure <2% air leakage
- Interlocking door assemblies and snug line seal grommets

Drain Pan

- Microban® antimicrobial additive to resist mold and mildew growth
- Low water retention minimizing mold and mildew growth
- Compatible with UV lights

Ease of Install

- Coils exactly match the corresponding furnaces with the same letter designation in the model number
- Preformed duct collar for quick and easy plenum connections
- Refrigerant lines extend outside of the cabinet for easy connection

Ease of Service

- Removable cabinet panels
- Single protruding dual drain port
- Coil slides out, tubing located at door split, and foil-face insulation for easy cleaning

MULTI-REFRIGERANT COIL OPTIONS

All multi-refrigerant options are cased only

BC7C-01

- Dedicated upflow
- Factory installed R-410A TXV for quick installation

BC7H-01

- Dedicated horizontal
- Factory installed R-410A TXV for quick installation

BC7D-01

- Dedicated downflow
- Factory installed R-410A TXV for quick installation
- Fully supports the furnace without additional bracing

OPTIONAL ACCESSORIES

R-454B Coil Conversion Kit (R-410A to R-454B)

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Consists of a refrigerant detection sensor, mounting bracket, A2L labels and installation instructions

R-454B Expansion Valve

- For use with R-454B systems
- Replaces factory installed threaded on TXV, internal to cabinet

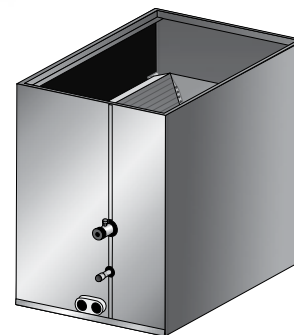
WARRANTY

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

BC7C-01



BC7H-01



BC7D-01

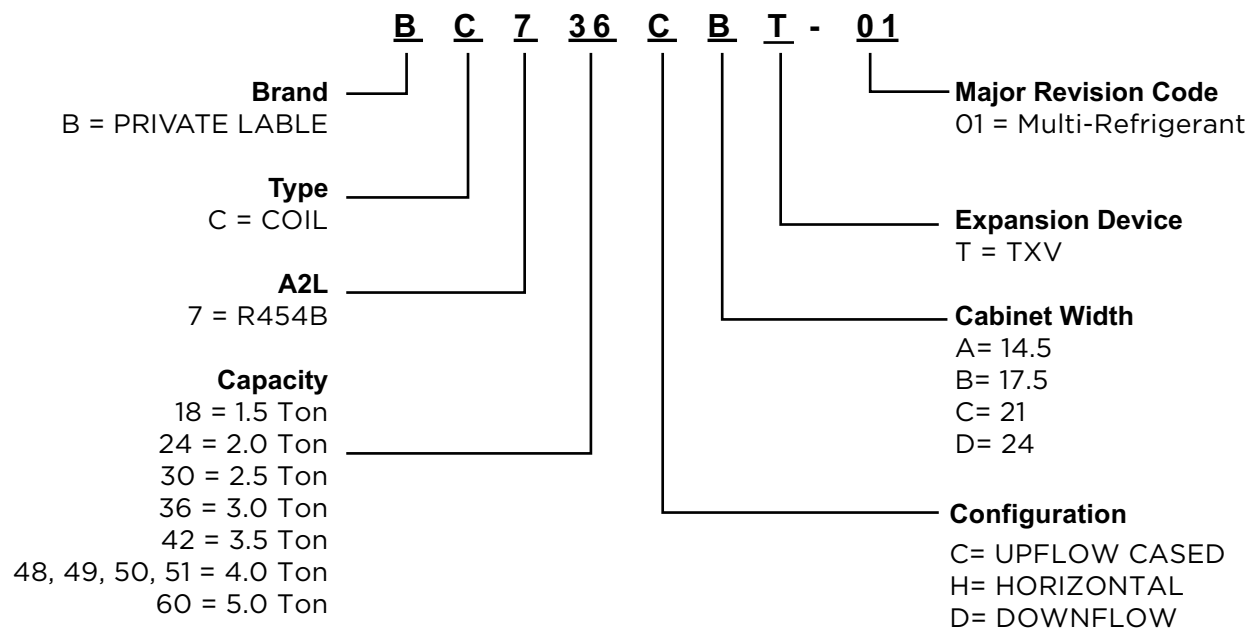


NOTE - Coils are furnished with a factory installed threaded R-410A expansion valve. As an option a R-454B expansion valve may be substituted.

NOTE - R-454B Coil Conversion Kit (26Z69) is required with expansion valve substitution and must be ordered separately.

NOTE - Once a coil has been field converted to R-454B, it can no longer be used in R-410A applications.

MODEL NUMBER GUIDE



BC7C-01

SPECIFICATIONS					1.5 TO 2 TON
General Data	Model No.	BC718/24CA	BC718/24CB	BC724CA	BC724CB
	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.	BC730CA	BC730CB	BC730/36CA	BC730/36CB
	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.	BC730/36CC	BC736CA	BC736CB	BC748CB	BC748CC
	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

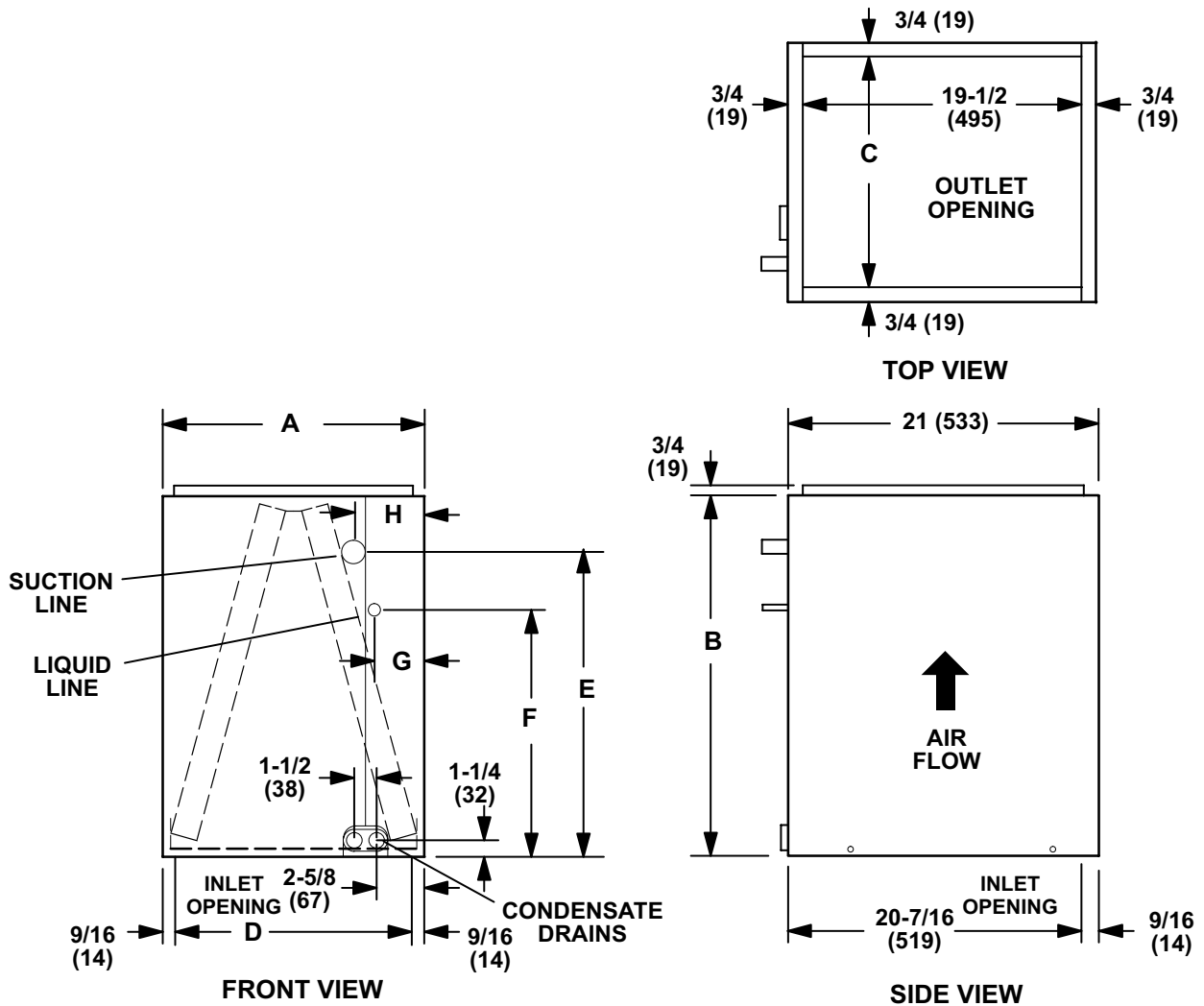
SPECIFICATIONS					
General Data	Model No.	BC749CC	BC750/60CC	BC760CC	BC760CD
	Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		70	60	73	72

BC7C-01**AIR RESISTANCE**

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
BC718/24CA BC718/24CB	400	0.06	0.08
	600	0.11	0.17
	800	0.18	0.25
	1000	0.27	0.39
	1200	0.37	0.52
BC724CA	400	0.05	0.05
	600	0.09	0.10
	800	0.16	0.18
	1000	0.23	0.26
	1200	0.32	0.36
BC724CB	400	0.03	0.04
	600	0.07	0.09
	800	0.11	0.15
	1000	0.17	0.22
	1200	0.23	0.31
BC730CA	600	0.07	0.08
	800	0.12	0.13
	1000	0.18	0.20
	1200	0.26	0.28
	1400	0.34	0.37
BC730CB	600	0.06	0.06
	800	0.09	0.11
	1000	0.13	0.16
	1200	0.19	0.23
	1400	0.25	0.31
BC730/36CA	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
BC730/36CB BC730/36CC BC736CB	800	0.08	0.11
	1000	0.13	0.16
	1200	0.17	0.21
	1400	0.22	0.28
	1600	0.29	0.34

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
BC736CA	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
BC748CB	1000	0.13	0.13
	1200	0.18	0.18
	1400	0.23	0.24
	1600	0.30	0.31
	1800	0.37	0.40
BC748CC	1000	0.07	0.09
	1200	0.10	0.12
	1400	0.13	0.16
	1600	0.16	0.20
	1800	0.20	0.24
BC749CC	1200	0.08	0.12
	1400	0.13	0.17
	1600	0.17	0.22
	1800	0.22	0.28
	2000	0.28	0.35
BC750/60CC	1200	0.13	0.17
	1400	0.18	0.23
	1600	0.23	0.29
	1800	0.28	0.37
	2000	0.34	0.43
BC760CD	1400	0.11	0.15
	1600	0.14	0.18
	1800	0.17	0.21
	2000	0.21	0.27
	2200	0.25	0.32
	2400	0.30	0.37
BC760CC	1400	0.15	0.19
	1600	0.19	0.23
	1800	0.24	0.28
	2000	0.29	0.34
	2200	0.33	0.40
	2400	0.39	0.46

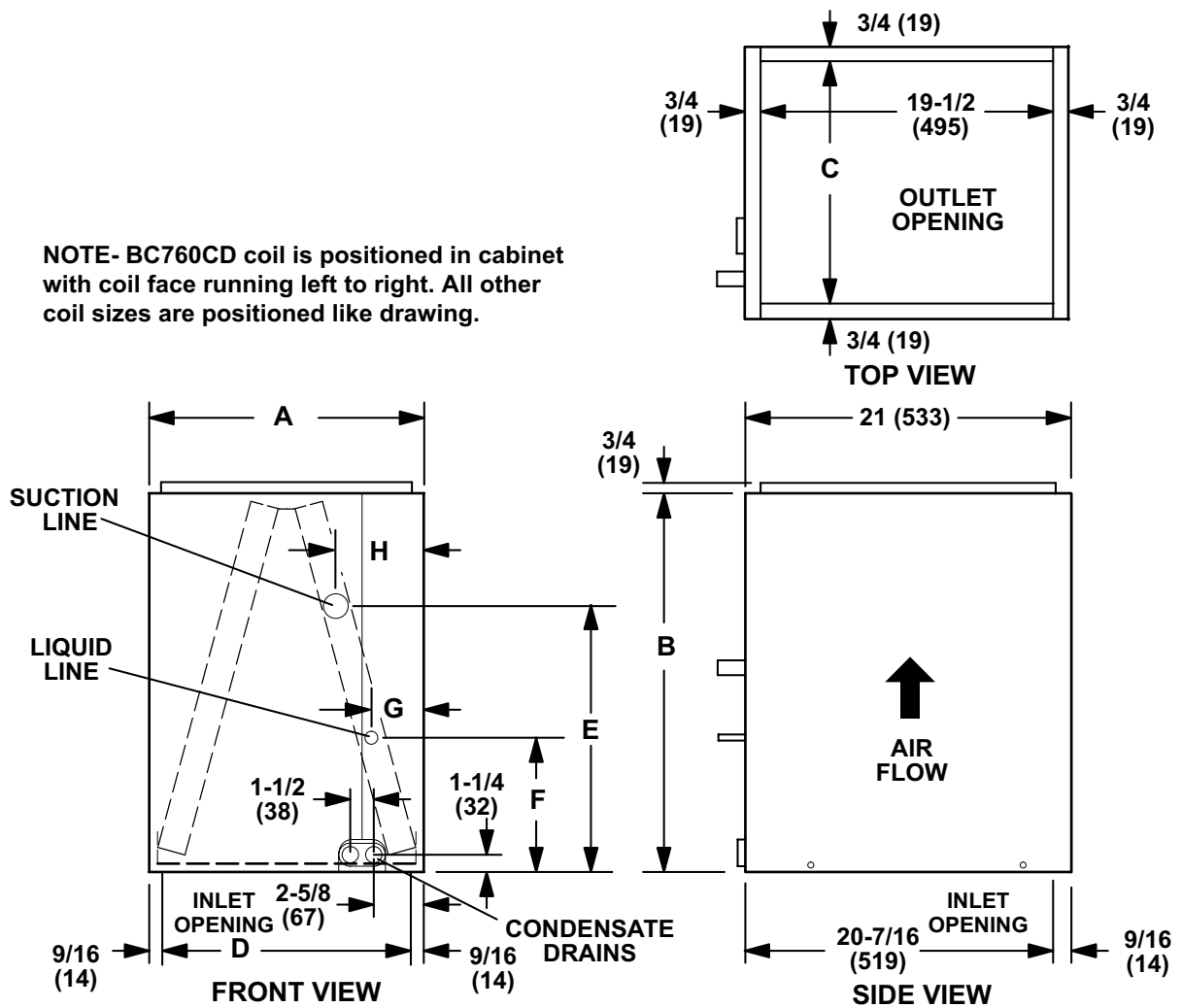
BC7-18/24(A/B), -30/36(A/B/C) and -36(A/B) Coils



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
BC718/24CA	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
BC718/24CB	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
BC730/36CA	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
BC730/36CB	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
BC730/36CC	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
BC736CA	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
BC736CB	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

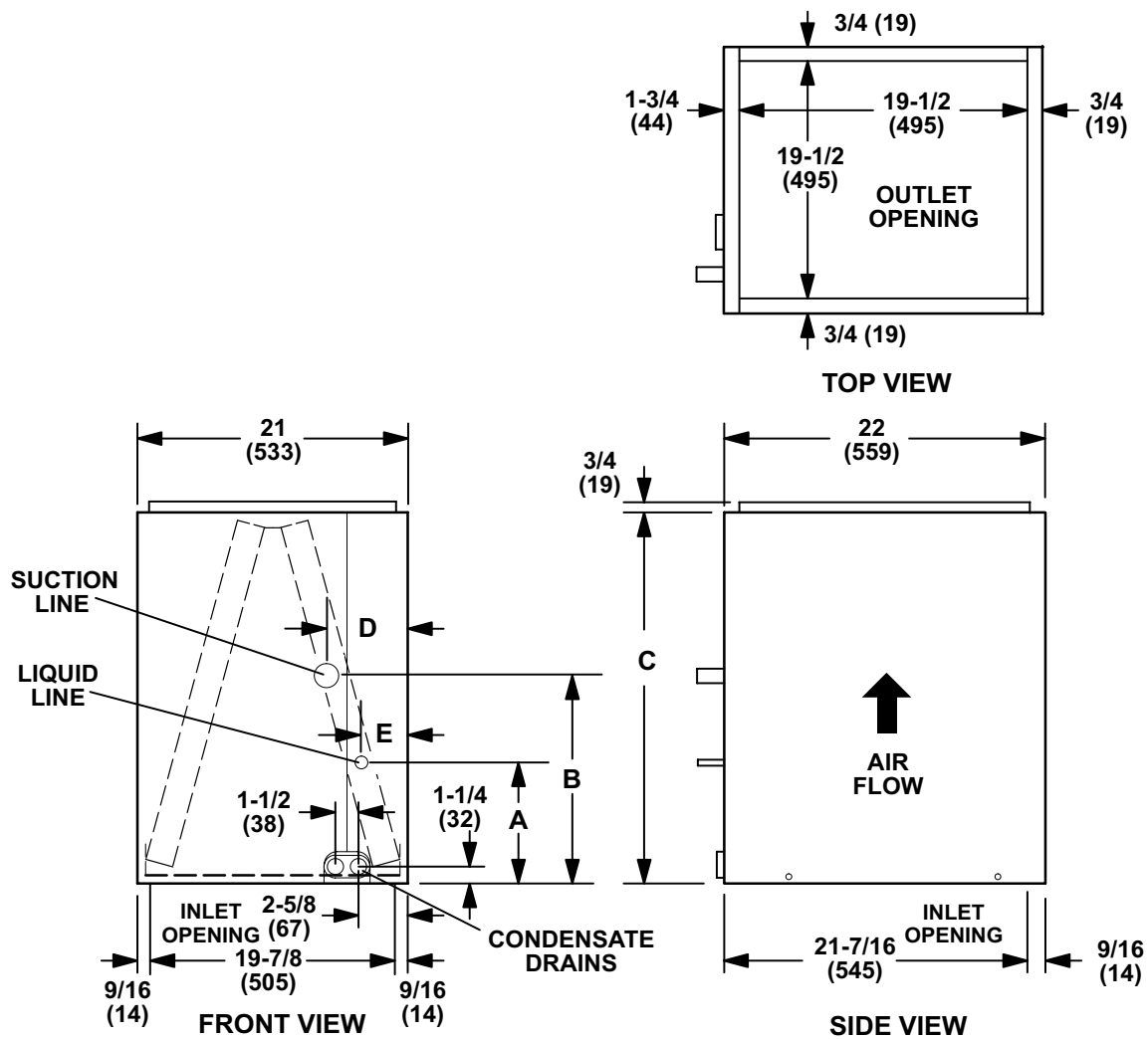
BC7-24(A/B), -30(A/B), -48(B/C), -50/60C and -60D Coils

NOTE- BC760CD 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
BC724CA	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
BC724CB	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
BC730CA	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
BC730CB	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
BC748CB	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
BC748CC	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
BC750/60CC	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
BC760CD	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

BC7-49CC and BC7-60CC



Model Number	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC749CC	4-3/4	121	12-1/8	308	29-1/2	749	3-3/8	86	2-1/2	64
BC760CC	4-3/4	121	14-1/2	368	31-1/2	800	3-3/8	86	2-1/2	64

BC7H-01

SPECIFICATIONS							1.5 TO 3 TON	
General Data	Model No.	BC718HA	BC724HA	BC724HB	BC730HA	BC730HB	BC736HA	BC736HB
	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.	BC736HC	BC742HB	BC742HC	BC748HB	BC748HC	BC751HC	BC760HD
	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

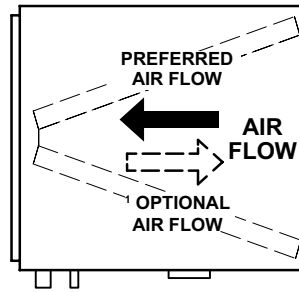
BC7H-01**AIR RESISTANCE**

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
BC718HA	200	0.02	0.02
	400	0.05	0.06
	600	0.09	0.11
	800	0.15	0.17
	1000	0.22	0.25
BC724HA	400	0.04	0.05
	600	0.09	0.11
	800	0.15	0.19
	1000	0.23	0.29
	1200	0.32	0.40
BC724HB	400	0.03	0.04
	600	0.05	0.07
	800	0.09	0.11
	1000	0.15	0.17
	1200	0.21	0.23
BC730HA	400	0.04	0.05
	600	0.09	0.10
	800	0.15	0.17
	1000	0.24	0.27
	1200	0.34	0.38
BC730HB	400	0.02	0.02
	600	0.05	0.06
	800	0.09	0.11
	1000	0.14	0.16
	1200	0.19	0.23
BC736HA	800	0.15	0.18
	1000	0.22	0.27
	1200	0.30	0.39
	1400	0.41	0.48
	1600	0.53	0.63
BC736HB	800	0.08	0.10
	1000	0.11	0.16
	1200	0.16	0.21
	1400	0.21	0.27
	1600	0.27	0.35

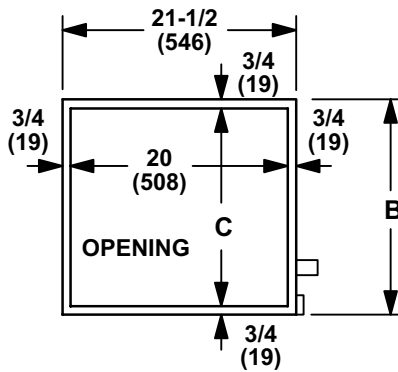
Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
BC736HC	800	0.06	0.08
	1000	0.10	0.13
	1200	0.15	0.18
	1400	0.19	0.23
	1600	0.24	0.31
BC742HB	800	0.10	0.10
	1000	0.14	0.18
	1200	0.20	0.25
	1400	0.26	0.31
	1600	0.34	0.36
BC742HC	800	0.06	0.06
	1000	0.09	0.10
	1200	0.15	0.16
	1400	0.18	0.21
	1600	0.26	0.28
BC748HB	1000	0.14	0.16
	1200	0.19	0.23
	1400	0.25	0.29
	1600	0.30	0.38
	1800	0.38	0.42
BC748HC	1200	0.16	0.19
	1400	0.21	0.26
	1600	0.27	0.30
	1800	0.33	0.39
	2000	0.39	0.49
BC751HC	1200	0.15	0.16
	1400	0.20	0.23
	1600	0.25	0.29
	1800	0.31	0.36
	2000	0.40	0.44
BC760HD	1400	0.12	0.16
	1600	0.16	0.20
	1800	0.20	0.24
	2000	0.24	0.30
	2200	0.29	0.36
	2400	0.34	0.42

BC7H-01

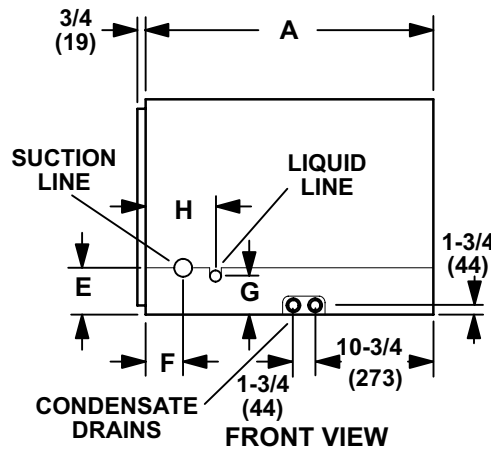
¹ Optional right-hand airflow requires a field fabricated 6 in. (152 mm) spacer in-between the furnace and coil.



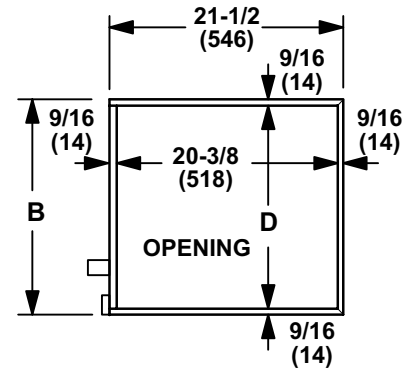
TOP VIEW



END VIEW



FRONT VIEW



END VIEW

Model No.	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC718HA	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC724HA	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC724HB	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC730HA	31-1/2	800	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC730HB	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC736HA	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC736HB	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC736HC	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC742HB	31-1/2	800	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC742HC	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC748HB	31-1/2	800	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC748HC	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC751HC	31-1/2	800	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
BC760HD	31-1/2	800	24-1/2	622	23	584	23-3/8	594	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124

BC7D-01

SPECIFICATIONS				1.5 TO 2 TON	
		BC724DA	BC724DB	BC730/36DB	BC730/36DC
General Data	Nominal size - tons	2	2	2.5 / 3	2.5 / 3
Line Connections in. (mm)	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
Indoor Coil	Net face area sq. ft. (m ²)	4.08	4.08	4.67	4.67
	Tube diameter - in. (mm)	3/8	3/8	3/8	3/8
	Number of rows	3	3	3	3
	Fins per in. (m)	14	14	14	14
Shipping Weight	lbs. (kg) 1 package	44	51	52	60

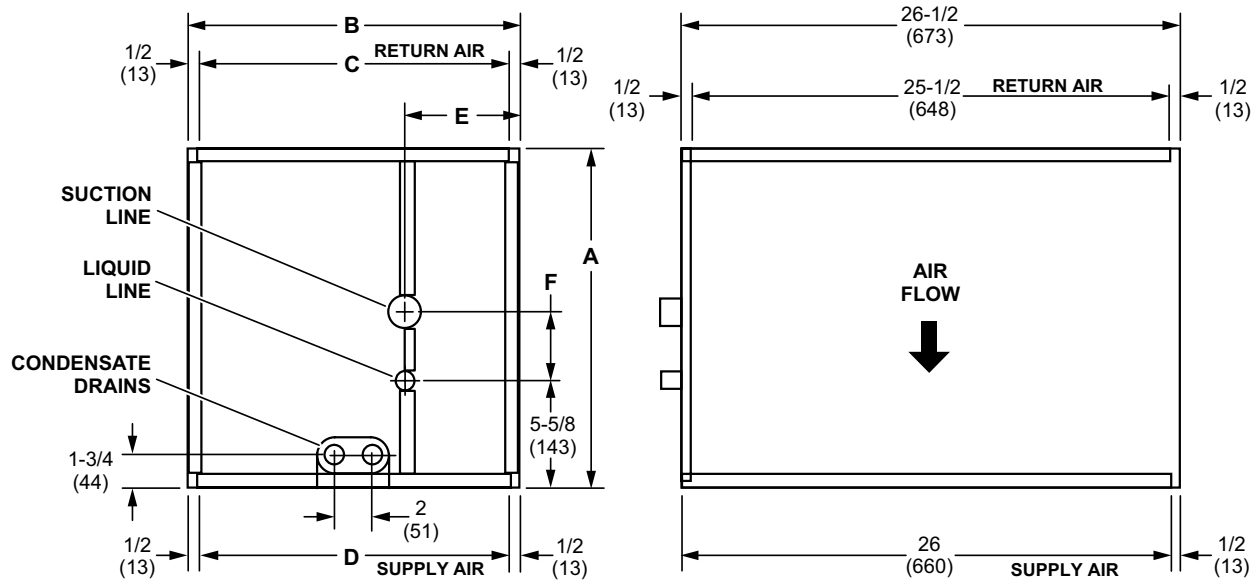
SPECIFICATIONS				2.5 TO 3.5 TON	
		BC742DB	BC748DC	BC750/60DC	BC760DD
General Data	Nominal size - tons	3.5	4	4 / 5	5
Line Connections in. (mm)	Suction / vapor o.d. - sweat	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area sq. ft. (m ²)	5.83	6.42	7.00	7.00
	Tube diameter - in. (mm)	3/8	3/8	3/8	3/8
	Number of rows	3	3	3	3
	Fins per in. (m)	14	14	14	14
Shipping Weight	lbs. (kg) 1 package	65	69	71	75

BC7D-01**AIR RESISTANCE**

Model No.	Air Volume	Total Resistance	
		Dry Coil	Wet Coil
	cfm	in. w.g.	in. w.g.
BC724DA	400	0.08	0.09
	600	0.16	0.18
	800	0.29	0.33
	1000	0.45	0.49
BC724DB	600	0.11	0.13
	800	0.18	0.19
	1000	0.27	0.29
	1200	0.35	0.39
	1400	0.47	0.51
BC730/36DB	600	0.1	0.12
	800	0.15	0.18
	1000	0.24	0.27
	1200	0.32	0.36
	1400	0.43	0.47
BC730/36DC	600	0.05	0.08
	800	0.09	0.12
	1000	0.13	0.17
	1200	0.17	0.23
	1400	0.24	0.30
BC742DB	600	0.08	0.10
	800	0.12	0.14
	1000	0.18	0.22
	1200	0.25	0.30
	1400	0.34	0.39
	1600	0.43	0.49

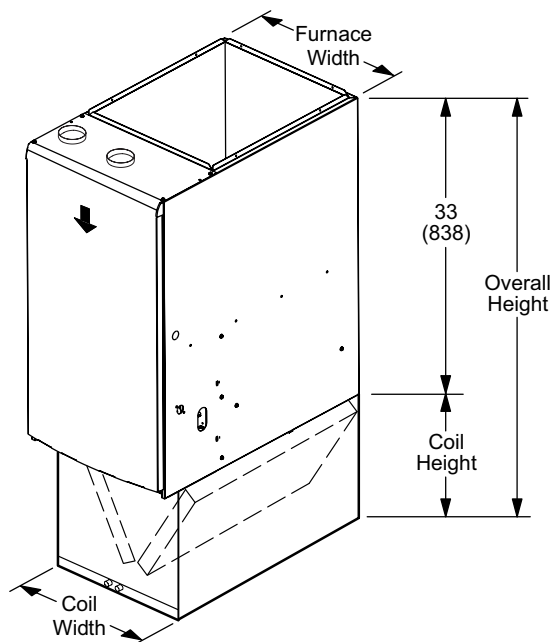
Model No.	Air Volume	Total Resistance	
		Dry Coil	Wet Coil
	cfm	in. w.g.	in. w.g.
BC748DC	800	0.09	0.10
	1000	0.11	0.13
	1200	0.15	0.18
	1400	0.21	0.23
	1600	0.26	0.30
	1800	0.34	0.37
	2000	0.4	0.44
BC750/60DC	800	0.09	0.11
	1000	0.12	0.14
	1200	0.16	0.20
	1400	0.22	0.24
	1600	0.27	0.32
	1800	0.33	0.38
BC760DD	2000	0.4	0.46
	800	0.09	0.08
	1000	0.13	0.13
	1200	0.18	0.16
	1400	0.16	0.21
	1600	0.2	0.26
	1800	0.24	0.32
	2000	0.29	0.39

BC7D-01



Model Number	A (Height)		B (Width)		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BC724DA	18	457	14 -1/2	368	13-1/2	343	13-1/2	343	4-5/8	117	3-5/8	92
BC724DB	18	457	17-1/2	445	16-1/2	419	16-1/2	419	6-1/8	155	3-5/8	92
BC730/36DB	23-1/2	597	17-1/2	445	16-1/2	419	16-1/2	419	6-1/8	155	4-3/4	121
BC730/36DC	23-1/2	597	21	533	20	508	20	508	7-7/8	200	4-3/4	121
BC742DB	23-1/2	597	17-1/2	445	16-1/2	419	16-1/2	419	6-1/8	155	6-3/8	162
BC748DC	27-1/2	699	21	533	20	508	20	508	7-7/8	200	8-5/8	219
BC750/60DC	27-1/2	699	21	533	20	508	20	508	7-7/8	200	10	254
BC760DD	27-1/2	699	24-1/2	622	23-1/2	597	23-1/2	597	9-5/8	244	10-1/2	267

DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS



Model Number	Coil Width		Furnace Width		Coil Height		Overall Height	
	in.	mm	in.	mm	in.	mm	in.	mm
BC724DA	14-1/2	368	14-1/2	368	18	457	51	1295
BC724DB	17-1/2	445	17-1/2	445	18	457	51	1295
BC730/36DB	17-1/2	445	17-1/2	445	23-1/2	597	56-1/2	1435
BC730/36DC	21	533	21	533	23-1/2	597	56-1/2	1435
BC742DB	17-1/2	445	17-1/2	445	23-1/2	597	56-1/2	1435
BC748DC	21	533	21	533	27-1/2	699	60-1/2	1537
BC750/60DC	21	533	21	533	27-1/2	699	60-1/2	1537
BC760DD	24-1/2	622	24-1/2	622	27-1/2	699	60-1/2	1537

R-454B ACCESSORIES

Description	Where Used	Kit Number	Purpose
R-454B Coil Sensor Conversion Kit	All	26Z69	Prepares coil for conversion to R-454B refrigerant
R-454B TXV Valve Kit	18/24, 24, 30, 30/36, 36	26Z70	For use in coils that have been converted to R-454B refrigerant; TXVs provide superior refrigerant flow control, comfort and efficiency
	42, 48, 49	26Z71	
	50/60, 60	26Z72	

NOTE - R-454B Sensor Coil Conversion Kit (26Z69) is required for TXV substitution and must be ordered separately.

Refrigerant Detection System	All	27A05	Low GWP Detection System-Non-Communicating Control Board kit
Refrigerant Detection System	All	27A06	Low GWP Detection System-Communicating Control Board kit