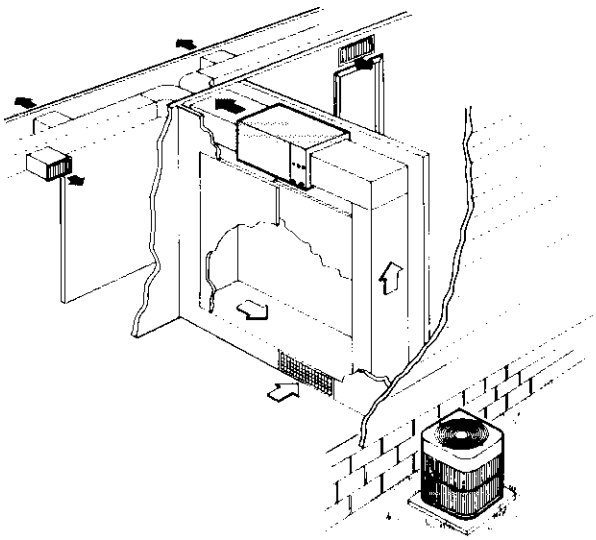
LENNOX®

CB18 SERIES — UP-FLO
CBS18 SERIES — HORIZONTAL
BLOWER-COIL UNITS

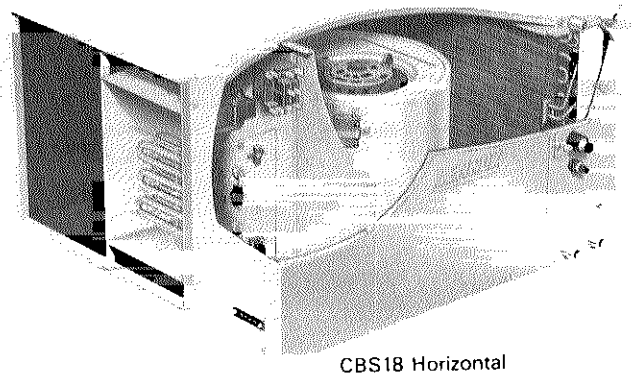
*13,100 to 64,500 Btuh Cooling Capacity
6,400 to 102,400 Btuh Optional Electric Heat

*ARI Standard 210 Ratings with Matching Condensing Units

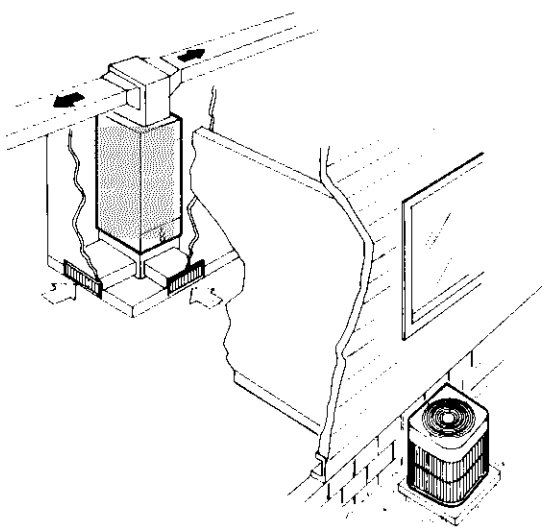
Typical Applications



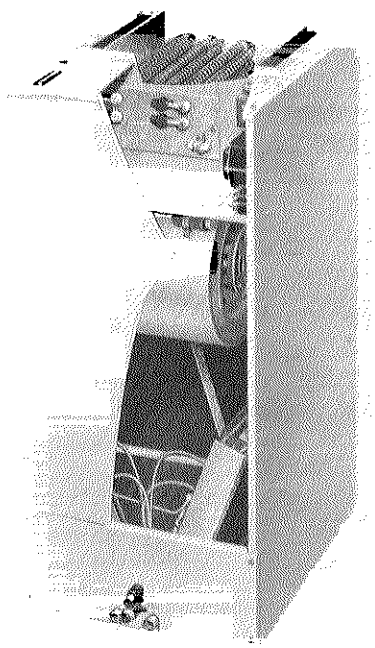
CBS18 Horizontal Installation



CBS18 Horizontal



CB18 Up-Flo Installation



CB18 Up-Flo

Compact Blower-Coil Units Feature Efficient Operation and Application Flexibility

The CB18 and CBS18 series blower-coil units are designed to meet reduced space requirements in apartment, motel, hotel and condominium applications. These highly efficient units provide the answer to many difficult installation problems. The flexibility of the units permit simple installations in a furred-in space, attic, crawl space, drop ceiling or closet. Versatile units are available in up-flo or horizontal models. Optional field installed electric heaters are available in several sizes for heating-cooling applications. For cooling capacities see condensing unit bulletins indexed in section Cooling Units — Condensing Units. Heavy gauge galvanized steel cabinet is completely insulated. Flare fittings provide quick and easy connection of refrigerant lines. Large indoor coil is sized for maximum cooling efficiency. Direct drive blower has multispeed motor providing a choice of blower speeds. Optional electric heaters are rated and tested according to Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations. In addition, units have been tested with matching condensing units in the Lennox Research Laboratory according to ARI Standard 210 test conditions and DOE test procedures. Blower performance data is according to actual unit tests conducted in Lennox air test chamber. Blower-coil units and components within are bonded for grounding to meet safety standards for servicing required by U.L. and NEC. Units are shipped factory assembled. Installer has only to make refrigerant and electrical connections to complete the installation.

NOTE — Specifications, Ratings and Dimensions subject to change without notice.

FEATURES

Durable Cabinet — Constructed of heavy gauge galvanized steel and completely insulated with thick fiberglass insulation. The cabinets are subject to a five station metal wash process before painting. This preparation process results in a perfect bonding surface for the attractive finish coat of baked-on enamel. Removable panels provide complete service access.

Lennox Evaporator Coil — Extra large surface area of Lennox designed coil provides maximum cooling efficiency, excellent heat transfer and low air resistance. Precise circuiting gives uniform refrigerant distribution. Lennox fabricated coil is constructed of precisely spaced ripple-edged aluminum fins fitted to durable seamless copper tubes. Fins are strengthened to resist bending and are equipped with collars that grip tubing for maximum contact area. Flared shoulder tubing joints and silver soldering provide tight, leakproof joints. Long life copper tubing is easy to field service. Coil is thoroughly factory tested under high pressure to insure leakproof construction. CB18 models are equipped with dual coils in an "A" configuration. CBS18 models have a single slab coil.

Drain Pan — Deep, corrosion resistant drain pan has dual pipe drains extended outside of cabinet for ease of connection. See dimension drawings.

Refrigerant Line Connections — Suction and liquid lines are equipped with flare fittings and extend outside of the cabinet for ease of connection. CB18/CBS18-65 suction line requires sweat connection. See dimension drawing for location.

Transformer and Blower Cooling Relay (Furnished) — A 24 volt transformer and blower cooling relay are furnished as standard equipment and are factory installed. A terminal block is also furnished as standard.

Powerful Blower — Equipped with a Lennox designed and built direct drive blower. Each blower is statically and dynamically balanced as an assembly before it is installed in the unit. Multispeed motor is resiliently mounted. A choice of blower speeds is available. See blower performance charts. Change of blower speeds is easily accomplished by a simple change in wiring.

Electric Heat (Optional) — Additive electric heaters field install internal to the unit cabinet and are available in several kw sizes, see Electric Heat table. The helix wound nichrome bare heating elements are exposed directly in the air stream resulting in instant heat transfer, low element temperatures and long service life. Each heating element is equipped with accurately located limit control with fixed temperature off setting and automatic reset. In addition, elements have supplemental thermal cutoff safety fuses providing positive protection in case of excessive temperatures. Cutoff fuses are mounted external to the element face plate for quick and easy replacement. Thermal sequencer relay brings the heating elements on and off line, in sequence and equal increments, with a time delay between each element. Sequencer also initiates and terminates blower operation. Heating control relay(s), is furnished as standard. Control box and access cover are constructed of heavy gauge galvanized steel. Heaters are factory assembled with controls installed and wired and only require plug-in field connection.

Filter Kit (Optional) — Kit must be ordered extra and field installed. Filter box installs on return air opening external to the unit cabinet. A throwaway frame type filter is furnished on kits for CB18 up-flo models. Filter kits for CBS18 horizontal models are field assembled. Filter(s) are not furnished on kits for CBS18 horizontal models and must be ordered extra. Filter box has an access panel for removal and replacement of filter. See specification table and dimension drawings for details.

Expansion Valve Kits (Optional) — Kits must be ordered extra and field installed on the blower-coil unit. See kit table for requirement.

SPECIFICATIONS

Model No.			CB18-21	CBS18-21	CB18-26	CBS18-26	CB18-31	CBS18-31
Evaporator Coil	Net face area (sq. ft.)		3.55	2.45	3.55	2.45	3.96	3.11
	Tube diameter (in.) & no. of rows		3/8 — 2	3/8 — 3	3/8 — 3	3/8 — 4	3/8 — 3	3/8 — 4
	Fins per inch		17	15	16	13	15	14
	Suction line connection (in.)—flare		★5/8	★5/8	★5/8	★5/8	**3/4	**3/4
	Liquid line connection (in.) — flare		3/8	3/8	3/8	3/8	1/2	1/2
Condensate drain (mpt) in.			(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping weight (lbs.) — 1 Package			98	95	100	100	114	121
Nominal cooling capacity (tons)			1-1/2		2		2-1/2	
Refrigerant			R-22		R-22		R-22	
Blower wheel nominal diameter x width (in.)			9 x 7		9 x 7		9 x 9	
Blower motor hp			1/6		1/6		1/3	
Electrical Characteristics			208/230 volts — 60 hertz — 1 phase — All Models					
*Optional Filter Kit	Part No.		LB-51905BA	LB-56895BA	LB-51905BA	LB-56895BA	LB-51905BB	LB-56895BB
	Filter size (in.)		•(1) 16x20x1	††(1) 20x25x1	•(1) 16x20x1	††(1) 20x25x1	•(1) 16x25x1	††(2) 16x20x1
	Shipping weight (lbs.)		5	25	5	25	7	23
Optional Electric Heat Capacity	ECB18-2.5	Output Btuh	9,500	9,500	9,500	9,500	----	----
		†A.F.U.E.	100%	98.5%	100%	98.5%	----	----
	ECB18-5	Output Btuh	18,000	18,000	18,000	18,000	18,000	18,000
		†A.F.U.E.	100%	98.5%	100%	98.5%	100%	99.0%
	ECB18-6	Output Btuh	22,000	22,000	22,000	22,000	22,000	21,000
		†A.F.U.E.	100%	98.5%	100%	98.5%	100%	99.0%
	ECB18-7	Output Btuh	25,000	25,000	25,000	25,000	25,000	25,000
		†A.F.U.E.	100%	98.5%	100%	98.5%	100%	99.0%
	ECB18-8	Output Btuh	29,000	29,000	29,000	29,000	29,000	28,000
		†A.F.U.E.	100%	98.5%	100%	98.5%	100%	99.0%
	ECB18-10	Output Btuh	36,000	35,000	36,000	35,000	36,000	35,000
		†A.F.U.E.	100%	99.0%	100%	99.0%	100%	99.0%
	ECB18-12.5	Output Btuh	----	----	44,000	----	44,000	43,000
		†A.F.U.E.	----	----	100%	----	100%	99.0%
	ECB18-15	Output Btuh	----	----	----	----	52,000	52,000
		†A.F.U.E.	----	----	----	----	100%	99.3%

†Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations.
*Must be ordered extra for field installation. •Filters are furnished with kit. ††Filters are not furnished and must be ordered extra.
★3/4 MF x 5/8 FF adapter required with HS19-261V condensing unit.
**5/8 MF x 3/4 FF adapter required with HS16-261V condensing unit.

SPECIFICATIONS

Model No.			CB18-41	CBS18-41	CB18-51	CBS18-51	CB18-65	CBS18-65
Evaporator Coil	Net face area (sq. ft.)		4.22	3.50	4.67	5.45	5.25	5.45
	Tube diameter (in.) & no. of rows		3/8 — 3	3/8 — 4	3/8 — 4	3/8 — 3	3/8 — 4	3/8 — 4
	Fins per inch		15	13	13	16	16	16
	Suction line connection (in.)—flare		3/4	3/4	3/4	3/4	★1-1/8 sweat	★1-1/8 sweat
	Liquid line connection (in.) — flare		1/2	1/2	1/2	1/2	1/2	1/2
Condensate drain (mpt) in.			(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping weight (lbs.) — 1 Package			114	124	162	175	178	201
Nominal cooling capacity (tons)			3		4		5	
Refrigerant			R-22		R-22		R-22	
Blower wheel nominal diameter x width (in.)			9 x 9		10 x 9	9 x 9	11-1/2 x 9	11-1/2 x 9
Blower motor hp			1/3		1/2		3/4	
Electrical Characteristics			208/230 volts—60 hz—1 phase		208/230volts — 60 hz — 1 phase or 460 volt — 60 hz — 1 phase			
*Optional Filter Kit	Part No.		LB-51905BB	LB-56895BB	LB-51905BC	LB-56895BC	LB-51905BC	LB-56895BC
	Filter size (in.)		•(1) 16x25x1	††(2) 16x20x1	•(1) 20x25x1	††(4) 16x20x1	•(1) 20x25x1	††(4) 16x20x1
	Shipping weight (lbs.)		8	23	9	35	9	35
Optional Electric Heat Capacity	ECB18-5	Output Btuh	18,000	18,000	----	----	----	----
		†A.F.U.E.	100%	99.0%	----	----	----	----
	ECB18-6	Output Btuh	22,000	21,000	----	----	----	----
		†A.F.U.E.	100%	99.0%	----	----	----	----
	ECB18-7	Output Btuh	25,000	25,000	26,000	26,000	----	----
		†A.F.U.E.	100%	99.0%	100%	99.0%	----	----
	ECB18-8	Output Btuh	29,000	28,000	30,000	29,000	----	----
		†A.F.U.E.	100%	99.0%	100%	99.0%	----	----
	ECB18-10	Output Btuh	36,000	35,000	37,000	36,000	37,000	36,000
		†A.F.U.E.	100%	99.0%	100%	99.0%	100%	99.0%
	ECB18-12.5	Output Btuh	44,000	43,000	45,000	44,000	46,000	45,000
		†A.F.U.E.	100%	99.0%	100%	99.0%	100%	99.0%
	ECB18-15	Btuh	52,000	52,000	54,000	53,000	54,000	54,000
		†A.F.U.E.	100%	99.3%	100%	99.1%	100%	99.1%
	ECB18-20	Output Btuh	----	----	71,000	70,000	71,000	71,000
		†A.F.U.E.	----	----	100%	99.1%	100%	99.1%
	ECB18-25	Output Btuh	----	----	----	----	88,000	87,000
		†A.F.U.E.	----	----	----	----	100%	99.2%
	ECB18-30	Output Btuh	----	----	----	----	105,000	104,000
		†A.F.U.E.	----	----	----	----	100%	99.2%

†Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations.
*Must be ordered extra for field installation. •Filters are furnished with kit. ††Filters are not furnished and must be ordered extra.
★Field provided adapter required for HS16-511V, HS18-511-513 & HS19-511V condensing units.

EXPANSION VALVE KITS

Blower Coil Unit	Condensing Unit	*Expansion Valve Kit
CB18-21 CBS18-21	HS18-141	LB-25778CH
	HS16-211V	LB-53081CF
	HS16-261V, HS19-261V	LB-53081CD
	HS18-211, HS18-261	LB-25778CG
CB18-26 CBS18-26	HS16-211V	LB-53081CF
	HS16-261V, HS16-311V, HS19-261V	LB-53081CD
	HS18-211, HS18-261	LB-25778CG
CB18-31 CBS18-31	HS16-261V, HS16-311V, HS19-311V	LB-53081CD
	HS16-411V, HS19-411V	LB-53081CB
	HS14-411V-413V	LB-53081CA
	HS18-311	LB-25778CE
	HS18-411-413	LB-25778CF

*Kit must be ordered extra and field installed.

Blower Coil Unit	Condensing Unit	*Expansion Valve Kit
CB18-41 CBS18-41	HS16-311V, HS19-311V	LB-53081CD
	HS16-411V, HS16-461V, HS19-411V, HS19-461V	LB-53081CB
	HS14-411V-413V	LB-53081CA
	HS18-311	LB-25778CE
	HS18-411-413, HS18-461-463	LB-25778CF
CB18-51 CBS18-51	HS16-411V, HS16-461V, HS14-511V-513V, HS19-411V, HS19-461V	LB-53081CB
	HS16-511V, HS14-651V-653V, HS19-511V	LB-53081CC
	HS14-411V-413V	LB-53081CA
	HS18-411-413, HS18-461-463	LB-25778CF
	HS18-511-513	LB-25778CC
CB18-65 CBS18-65	HS16-511V, HS14-651V-653V, HS19-511V	LB-53081CC
	HS16-651V	LB-53081CE
	HS14-511V-513V	LB-53081CB
	HS18-511-513	LB-25778CC
	HS17-813V, HS18-651-653	LB-25778CD

*Kit must be ordered extra and field installed.

INSTALLATION CLEARANCES

Model No.	CB18-21 CBS18-21 CB18-26 CBS18-26	CB18-31 CBS18-31 CB18-41 CBS18-41	CB18-51 CBS18-51 CB18-65 CBS18-65
Cabinet	0 inch	0 inch	0 inch
Plenum	0 inch	1 inch	1 inch
*Duct	0 inch	1 inch	1 inch

*Within 3 ft. of the unit.

BLOWER DATA

AIR FILTER RESISTANCE

Air Volume (cfm)	Filter Resistance (in. wg.)
400	.01
600	.02
800	.03
1000	.05
1200	.08
1400	.08
1600	.08
1800	.09
2000	.09
2200	.10
2400	.10

BLOWER DATA

CB18-21 AND CBS18-21 BLOWER PERFORMANCE

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1040	900	770
.05	1030	890	765
.10	1015	880	755
.15	1005	865	745
.20	990	850	735
.25	975	835	725
.30	960	820	715
.40	920	780	690
.50	880	740	660
.60	840	700	630

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-26 AND CBS18-26 BLOWER PERFORMANCE

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1000	885	755
.05	990	875	745
.10	980	860	735
.15	960	845	730
.20	945	830	720
.25	930	815	705
.30	915	800	695
.40	895	760	670
.50	875	720	640
.60	780	660	610

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-31 AND CBS18-31 BLOWER PERFORMANCE

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1460	1200	1090
.05	1435	1185	1080
.10	1410	1170	1070
.15	1385	1155	1055
.20	1360	1140	1040
.25	1325	1120	1025
.30	1290	1100	1005
.40	1220	1040	960
.50	1120	970	900
.60	980	880	825

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-41 AND CBS18-41 BLOWER PERFORMANCE

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1430	1130	1020
.05	1410	1120	1010
.10	1385	1110	1000
.15	1360	1100	990
.20	1335	1090	980
.25	1300	1075	965
.30	1270	1060	950
.40	1200	1020	----
.50	1110	970	----
.60	1000	----	----

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-51 AND CBS18-51 BLOWER PERFORMANCE WITH 208/230 VOLT MOTOR

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1890	1640	1260
.05	1875	1620	1250
.10	1860	1600	1240
.15	1850	1570	1230
.20	1840	1540	1220
.25	1815	1525	1200
.30	1810	1510	1190
.40	1770	1470	1160
.50	1710	1420	1130
.60	1650	1360	1080

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-51 AND CBS18-51 BLOWER PERFORMANCE WITH 460 VOLT MOTOR

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	1955	1575	1250
.05	1925	1565	1240
.10	1890	1555	1235
.15	1865	1545	1225
.20	1830	1535	1210
.25	1790	1515	1205
.30	1755	1495	1200
.40	1665	1440	1175
.50	1570	1375	1145
.60	1470	1300	1105

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-65 AND CBS18-65 BLOWER PERFORMANCE WITH 208/230V VOLT MOTOR

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	2285	2130	1920
.05	2260	2105	1895
.10	2235	2080	1870
.15	2210	2050	1840
.20	2180	2025	1810
.25	2150	2000	1780
.30	2120	1970	1750
.40	2060	1910	1670
.50	1980	1830	1590
.60	1880	1730	1480

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18-65 AND CBS18-65 BLOWER PERFORMANCE WITH 460 VOLT MOTOR

External Static Pressure (in. wg.)	Air Volume (cfm) @ Various Speeds		
	High	Medium	Low
0	2345	2135	1835
.05	2320	2120	1820
.10	2300	2100	1800
.15	2280	2080	1785
.20	2255	2060	1765
.25	2230	2040	1750
.30	2205	2020	1730
.40	2150	1970	1690
.50	2090	1920	1650
.60	2030	1865	1605

NOTE — All cfm is measured external to the unit.
NOTE — Electric heaters have no appreciable air resistance.
For optional air filter resistance see separate table.

CB18 & CBS18-21, -26, -31 and -41
OPTIONAL ELECTRIC HEAT DATA

Blower-Coil Unit Model No.	Electric Unit Model No. & Shipping Weight	No. of Steps	Volts Input (1 Phase)	kw Input	Btuh Input	*Minimum Circuit Ampacity	
						Circuit 1	Circuit 2
CB18-21 CBS18-21 CB18-26 CBS18-26	ECB18-2.5 (5 lbs.)	1 step	208	1.9	6,400	13.6	----
			220	2.1	7,200	14.5	----
			230	2.3	7,800	14.8	----
			240	2.5	8,500	15.3	----
	ECB18-5 (5 lbs.)	1 step	208	3.8	12,800	24.9	----
			220	4.2	14,300	26.5	----
			230	4.6	15,700	27.3	----
			240	5.0	17,100	28.3	----
	ECB18-6 (6 lbs.)	2 steps	208	4.5	15,400	29.4	----
			220	5.0	17,200	31.8	----
			230	5.5	18,800	32.3	----
			240	6.0	20,500	33.5	----
	ECB18-7 (6 lbs.)	2 steps	208	5.3	17,900	33.9	----
			220	5.9	20,100	36.0	----
			230	6.4	21,900	37.1	----
			240	7.0	23,900	38.8	----
	ECB18-8 (6 lbs.)	2 steps	208	6.0	20,500	38.4	----
			220	6.7	22,900	40.8	----
			230	7.3	25,100	42.1	----
			240	8.0	27,300	43.9	----
	ECB18-10 (6 lbs.)	2 steps	208	7.5	25,600	47.4	----
			220	8.4	28,700	50.4	----
			230	9.2	31,400	52.1	----
			240	10.0	34,100	54.4	----
CB18-26 (Up-flo Only)	ECB18-12.5 (11 lbs.)	3 steps	208	9.4	32,000	40.5	18.8
			220	10.5	35,800	42.7	19.9
			230	11.5	39,200	44.5	20.8
			240	12.5	42,600	46.3	21.7
CB18-31 CBS18-31 CB18-41 CBS18-41	ECB18-5 (5 lbs.)	1 step	208	3.8	12,800	26.2	----
			220	4.2	14,300	27.5	----
			230	4.6	15,700	28.6	----
			240	5.0	17,100	29.6	----
	ECB18-6 (6 lbs.)	2 steps	208	4.5	15,400	30.7	----
			220	5.0	17,200	32.3	----
			230	5.5	18,800	33.6	----
			240	6.0	20,500	34.9	----
	ECB18-7 (6 lbs.)	2 steps	208	5.3	17,900	35.2	----
			220	5.9	20,100	37.0	----
			230	6.4	21,900	38.5	----
			240	7.0	23,900	40.1	----
	ECB18-8 (6 lbs.)	2 steps	208	6.0	20,500	39.7	----
			220	6.7	22,900	41.8	----
			230	7.3	25,100	43.5	----
			240	8.0	27,300	45.2	----
	ECB18-10 (6 lbs.)	2 steps	208	7.5	25,600	48.6	----
			220	8.4	28,700	51.4	----
			230	9.2	31,400	53.5	----
			240	10.0	34,100	55.7	----
	ECB18-12.5 (11 lbs.)	3 steps	208	9.4	32,000	41.2	18.8
			220	10.5	35,800	43.4	19.9
			230	11.5	39,200	45.2	20.8
			240	12.5	42,600	47.0	21.7
	ECB18-15 (11 lbs.)	3 steps	208	11.3	38,400	48.6	22.6
			220	12.6	43,000	51.4	23.9
			230	13.5	47,000	53.5	25.0
			240	15.0	51,200	55.7	26.0

*Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

CB18 & CBS18-51
OPTIONAL ELECTRIC HEAT DATA

Blower-Coil Unit Model No.	Electric Unit Model No. & Shipping Weight	No. of Steps & Phase	Volts Input	kw Input	Btuh Input	*Minimum Circuit Ampacity	
						Circuit 1	Circuit 2
CB18-51 CBS18-51	ECB18-7 (6 lbs.)	2 steps 1 phase	208	5.3	17,900	36.5	----
			220	5.9	20,100	38.3	----
			230	6.4	21,900	39.7	----
			240	7.0	23,900	41.4	----
	ECB18-8 (6 lbs.)	2 steps 1 phase	208	6.0	20,500	40.5	----
			220	6.7	22,900	43.0	----
			230	7.3	25,100	44.2	----
			240	8.0	27,300	46.0	----
	ECB18-10 (6 lbs.)	2 steps 1 phase	208	7.5	25,600	49.4	----
			220	8.4	28,700	52.6	----
			230	9.2	31,400	54.2	----
			240	10.0	34,100	56.5	----
	ECB18-12.5 (11 lbs.)	3 steps 1 phase	208	9.4	32,000	42.0	18.8
			220	10.5	35,800	44.6	19.9
			230	11.5	39,200	46.0	20.8
			240	12.5	42,600	47.7	21.7
	ECB18-15 (11 lbs.)	3 steps 1 phase	208	11.3	38,400	49.5	22.6
			220	12.6	43,000	52.6	23.9
			230	13.5	47,000	54.2	25.0
			240	15.0	51,200	56.5	26.0
	ECB18-15 (11 lbs.)	3 steps 3 phase	208	11.3	38,400	44.0	----
			220	12.6	43,000	46.2	----
			230	13.5	47,000	48.1	----
			240	15.0	51,200	50.0	----
	ECB18-15 (11 lbs.)	3 steps 3 phase	440	12.6	43,000	22.9	----
			460	13.8	47,000	23.9	----
			480	15.0	51,200	24.8	----
	ECB18-20 (16 lbs.)	4 steps 1 phase	208	15.0	51,200	49.4	45.0
			220	16.8	57,300	52.6	47.7
			230	18.4	62,700	54.2	49.9
			240	20.0	68,200	56.5	52.1
	ECB18-20 (16 lbs.)	6 steps 3 phase	208	15.0	51,200	30.9	26.0
			220	16.8	57,300	32.4	27.6
			230	18.4	62,700	33.7	28.9
			240	20.0	68,200	35.0	30.1
	ECB18-20 (16 lbs.)	6 steps 3 phase	440	16.8	57,300	29.8	----
			460	18.4	62,700	31.1	----
			480	20.0	68,200	32.4	----

*Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

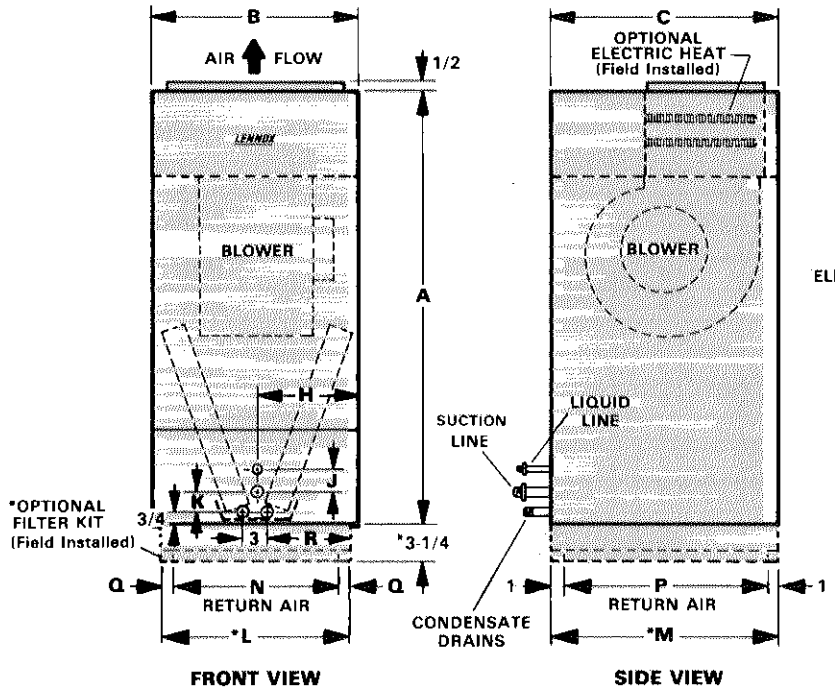
CB18 & CBS18-65
OPTIONAL ELECTRIC HEAT DATA

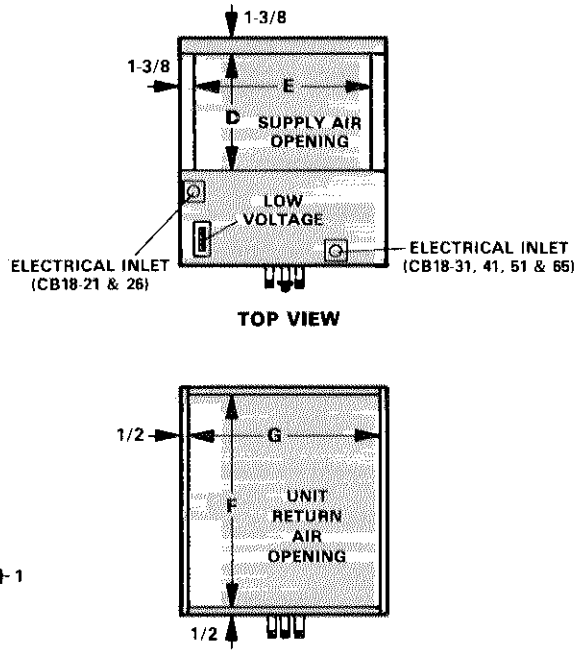
Blower-Coil Unit Model No.	Electric Unit Model No. & Shipping Weight	No. of Steps & Phase	Volts Input	kw Input	Btuh Input	*Minimum Circuit Ampacity		
						Circuit 1	Circuit 2	Circuit 3
CB18-65 CBS18-65	ECB18-10 (6 lbs.)	2 steps 1 phase	208	7.5	25,600	50.4	----	----
			220	8.4	28,700	53.1	----	----
			230	9.2	31,400	55.2	----	----
			240	10.0	34,100	57.5	----	----
	ECB18-12.5 (11 lbs.)	3 steps 1 phase	208	9.4	32,000	43,0	18.8	----
			220	10.5	35,800	45.2	19.9	----
			230	11.5	39,200	47.0	20.8	----
			240	12.5	42,600	48.7	21.7	----
	ECB18-15 (11 lbs.)	3 steps 1 phase	208	11.3	38,400	50.4	22.6	----
			220	12.6	43,000	53.1	23.9	----
			230	13.5	47,000	55.2	25.0	----
			240	15.0	51,200	57.5	26.0	----
	ECB18-15 (11 lbs.)	3 steps 3 phase	208	11.3	38,400	44.5	----	----
			220	12.6	43,000	46.7	----	----
			230	13.5	47,000	48.6	----	----
			240	15.0	51,200	50.5	----	----
	ECB18-15 (11 lbs.)	3 steps 3 phase	440	12.6	43,000	23.5	----	----
			460	13.8	47,000	24.5	----	----
			480	15.0	51,200	25.5	----	----
	ECB18-20 (16 lbs.)	4 steps 1 phase	208	15.0	51,200	50.4	45.0	----
			220	16.8	57,300	53.1	47.7	----
			230	18.4	62,700	55.2	49.8	----
			240	20.0	68,200	57.5	52.1	----
	ECB18-20 (16 lbs.)	6 steps 3 phase	208	15.0	51,200	31.4	26.0	----
			220	16.8	57,300	32.9	27.6	----
			230	18.4	62,700	34.2	28.9	----
			240	20.0	68,200	35.5	30.1	----
	ECB18-20 (16 lbs.)	6 steps 3 phase	440	16.8	57,300	30.4	----	----
			460	18.4	62,700	31.7	----	----
			480	20.0	68,200	32.9	----	----
	ECB18-25 (21 lbs.)	5 steps 1 phase	208	18.8	64,100	50.4	45.0	22.6
			220	21.0	71,700	53.1	47.7	23.9
			230	23.0	78,300	55.2	49.8	25.0
			240	25.0	85,300	57.5	52.1	26.0
	ECB18-25 (21 lbs.)	6 steps 3 phase	208	18.8	64,100	38.0	32.6	----
			220	21.0	71,700	39.8	34.5	----
			230	23.0	78,300	41.4	35.7	----
			240	25.0	85,300	43.0	37.6	----
	ECB18-25 (21 lbs.)	6 steps 3 phase	440	21.0	71,700	37.3	----	----
			460	23.0	78,300	38.9	----	----
			480	25.0	85,300	40.5	----	----
	ECB18-30 (26 lbs.)	6 steps 1 phase	208	22.5	76,900	50.4	45.0	45.0
			220	25.2	86,000	53.1	47.7	47.7
			230	27.5	94,000	55.2	49.8	49.8
			240	30.0	102,400	57.5	52.1	52.1
	ECB18-30 (26 lbs.)	6 steps 3 phase	208	22.5	76,900	44.5	39.1	----
			220	25.2	86,000	46.7	41.3	----
			230	27.5	94,000	48.6	43.2	----
			240	30.0	102,400	50.5	45.1	----
	ECB18-30 (26 lbs.)	6 steps 3 phase	440	25.2	86,000	44.3	----	----
			460	27.6	94,000	46.1	----	----
			480	30.0	102,400	48.0	----	----

*Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wire suitable for at least 167°F.

DIMENSIONS (inches)

CB18 UP-FLO MODELS

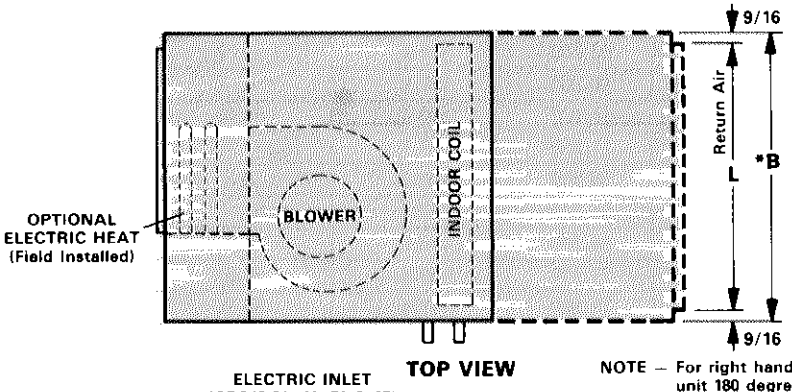




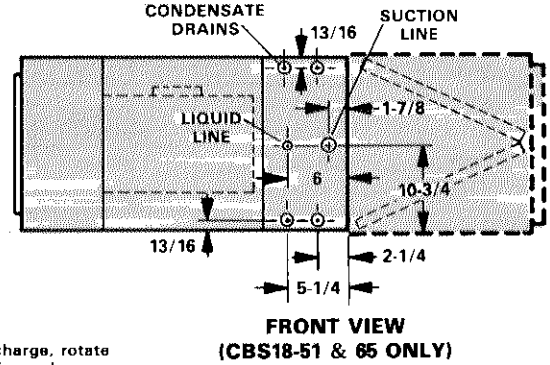
Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
CB18-21 CB18-26	38	18-1/8	20	10-3/8	15-1/4	19	17	9-1/16	2	2	16-1/8	20	14-1/8	18	1	7-9/16
CB18-31 CB18-41	41	18-1/8	23	13-3/8	15-1/4	22	17	9-1/16	2	2	18-1/8	†25	14-1/8	23	2	7-9/16
CB18-51 CB18-65	48-1/2	22-3/4	25	12	20	24	21-3/4	11-3/8	2-3/4	2-3/4	20	25	18	23	1	9-7/8

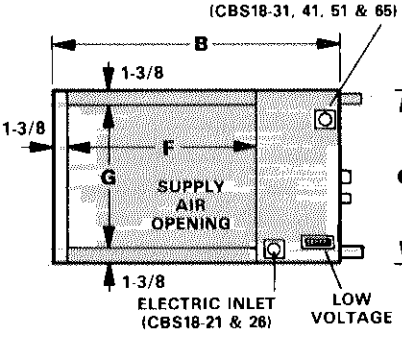
†Filter box extends 2 inches beyond unit cabinet at front or rear.

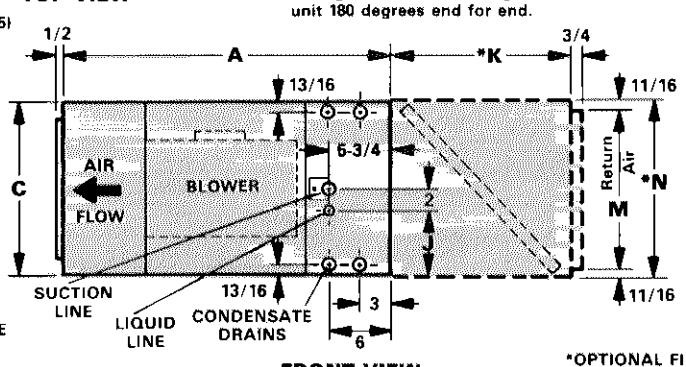
CBS18 HORIZONTAL MODELS



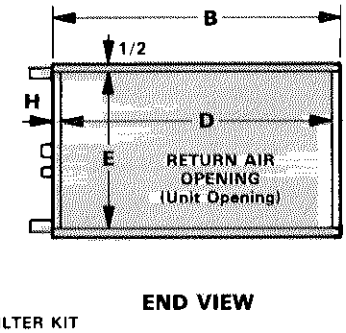
NOTE — For right hand air discharge, rotate unit 180 degrees end for end.







*OPTIONAL FILTER KIT (Field Installed)



Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N
CBS18-21 CBS18-26	31-7/16	27-1/2	16-1/2	26-1/2	15-1/2	17-7/8	13-3/4	1/2	6-1/4	17-3/8	26-3/8	15-5/16	16-11/16
CBS18-31 CBS18-41	33-7/16	32	19-1/2	31	18-1/2	22-3/8	16-3/4	1/2	7-3/4	13	30-7/8	18-5/16	19-11/16
CBS18-51 CBS18-65	49-1/2	35-1/2	21-1/2	32-1/4	20-3/8	22-3/4	18-3/4	2-7/8	----	20-1/2	34-3/8	20-5/16	21-11/16