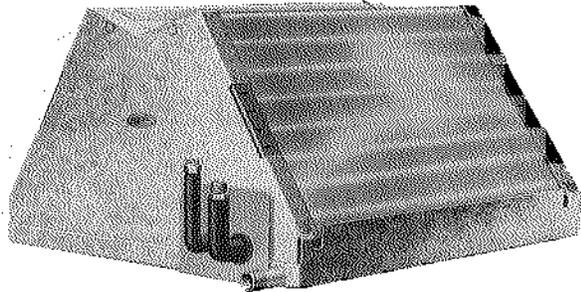
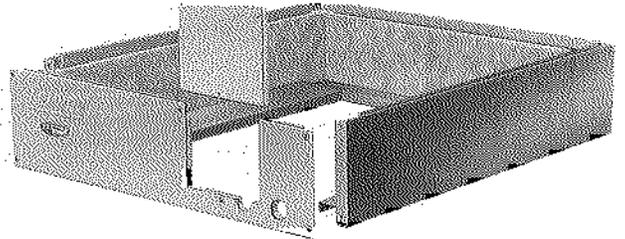




C16 SERIES EVAPORATOR UNITS — UP-FLO
***12,000 to 64,000 Btuh Cooling Capacity**
 *ARI Standard 210 Certified Ratings With Matching Condenser Unit



Evaporator Coil & Adapter Base
 (With Optional Expansion Valve Kit Installed)



C16-00 Optional Coil Cabinet
 (Ordered separately and field assembled)

Efficient And Compact Evaporator Units
Additive to Up-Flo Furnaces

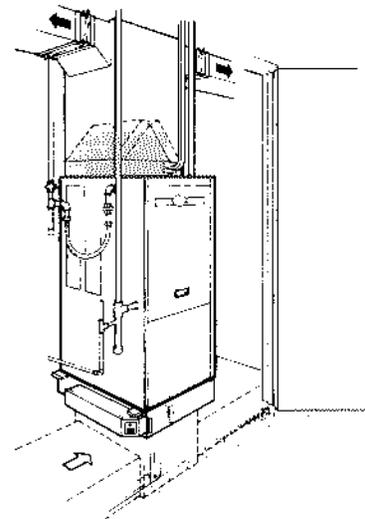
Lennox designed and built up-flo evaporator units can easily be installed with most Lennox up-flo furnaces. Evaporator units are available with or without the cabinet. The C16 evaporator coil assembly is ordered separately and may be installed individually less the cabinet. An adapter base is furnished with the coil to simplify mounting of the coil assembly on the furnace. The optional coil cabinet is also ordered separately and is shipped knocked down for field assembly. If desired, the cabinet only can be installed initially and the evaporator coil assembly inserted at a later date. Inlet openings of evaporator cabinets match most plenum openings of Lennox furnace cabinets. See furnace selector table.

Coils are applicable to RFCII™ (with RFCII refrigerant metering device) or expansion valve systems (with expansion valve kit). For expansion valve models a field installed expansion valve kit is required and must be ordered extra. See expansion valve selection table. See condensing units bulletins (section Cooling Units — Condensing Units) for evaporator unit application and cooling capacities. See FUELMASTER+™ bulletin in Heat Pumps — Matched Remote Systems for heat pump applications.

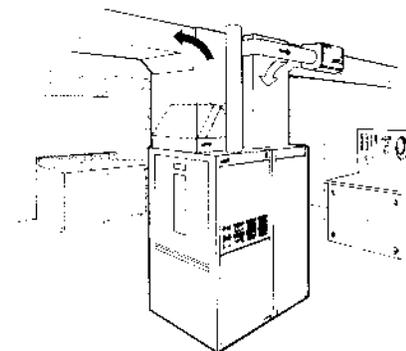
Heavy gauge cabinet panels have a deluxe baked enamel finish and are lined with thick fiberglass insulation. Standing seams are provided in cabinet for ease of plenum connection. Lennox designed and fabricated coils are constructed of precisely spaced ripple-edged aluminum fins machine fitted to copper tubes. Copper tubing construction provides long coil life and ease of service. Twin coils assembled in an "A" configuration provides extra large surface and contact area for maximum efficiency. Fins have collars that grip tubing for maximum contact area resulting in excellent heat transfer. Flared shoulder tubing joints and silver soldering provide tight leakproof joints. Coils are thoroughly tested under pressure to insure leakproof construction. Drainpan is constructed of heavy gauge galvalume-u steel and has a 3/4 inch mpt drain connection. Refrigerant lines are equipped with flare fittings for quick and easy line connection. C16-65 coil requires sweat connection on suction line.

Evaporator units have been thoroughly tested with matching condensing units in the Lennox Research Laboratory environmental test room. Air resistance data is from tests conducted in the Lennox air test chamber. Coil assemblies are shipped factory assembled and ready for installation.

Typical Applications



Closet Installation
 With Pulse™ Furnace and
 Electronic Air Cleaner



Basement Installation
 With Gas Furnace, Return Air
 Cabinet and Power Humidifier

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

SPECIFICATIONS

Model No.		C16-18FF	C16-21FF	C16-28FF	C16-28WFF	C16-31FF	C16-31WFF
Evaporator Coil	Net face area (sq. ft.)	2.29	3.44	3.21	3.21	3.21	3.21
	Tube diameter (in.)	3/8	3/8	3/8	3/8	3/8	3/8
	No. of rows	2	2	2	2	3	3
	Fins per inch	17	17	15	15	15	15
Suction line connection (in.) – flare		5/8	★5/8	*3/4	*3/4	*3/4	*3/4
Liquid line connection (in.) – flare		3/8	3/8	1/2	1/2	1/2	1/2
Condensate drain (mpt) (in.)		3/4	3/4	3/4	3/4	3/4	3/4
Refrigerant		R-22	R-22	R-22	R-22	R-22	R-22
Coil shipping weight (lbs.) (1 Pkg.)		23	30	31	33	32	34
Coil Cabinet Optional	Model No.	C16-21-00			C16-41W-00	C16-21-00	C16-41W-00
	Shipping weight (lbs.) (1 Pkg.)	8			10	8	10

*5/8 MF x 3/4 FF adapter required with HS16-211V, HS16-261V and HS18-261 condensing units.
 ★3/4 MF x 5/8 FF adapter required with HS19-261V condensing unit.

SPECIFICATIONS

Model No.		C16-41FF	C16-41WFF	C16-46FF	C16-46WFF	C16-51FF	C16-65
Evaporator Coil	Net face area (sq. ft.)	4.12	4.12	4.58	4.58	5.59	6.39
	Tube diameter (in.)	3/8	3/8	3/8	3/8	1/2	1/2
	No. of rows	3	3	3	3	3	3
	Fins per inch	15	15	15	15	13	13
Suction line connection (in.) – flare		*3/4	*3/4	3/4	3/4	3/4	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.)		3/4	3/4	3/4	3/4	3/4	3/4
Refrigerant		R-22	R-22	R-22	R-22	R-22	R-22
Coil shipping weight (lbs.) (1 Pkg.)		40	42	45	48	66	69
Coil Cabinet Optional	Model No.	C16-21-00	C16-41W-00		C16-46W-00	C16-65-00	
	Shipping weight (lbs.) (1 Pkg.)	8	10		12	14	

*5/8 MF x 3/4 FF adapter required with HS16-261V and HS18-261 condensing units.
 †Field provided adapter fitting required with HS16-511V, HS18-510 and HS19-511V condensing units.

AIR RESISTANCE

Model No.	Air Volume (cfm)	Total Resistance (in. wg.)
C16-18FF	500	.08
	600	.10
	700	.13
	750	.15
C16-21FF	600	.08
	800	.11
	1000	.15
	1200	.19
C16-28FF	800	.08
	1000	.12
	1200	.17
C16-28WFF	1400	.23
	800	.07
	1000	.11
	1200	.16
C16-31FF	1400	.19
	1600	.25
	800	.14
	1000	.17
C16-31WFF	1200	.22
	1400	.28
	800	.12
	1000	.15
C16-41FF	1200	.20
	1400	.24
	1600	.30
	1000	.13
C16-41WFF	1200	.19
	1400	.26
	1600	.34
	1000	.11
C16-46FF	1200	.15
	1400	.21
	1600	.27
	1800	.35
C16-46WFF	1200	.09
	1400	.12
	1600	.18
	1800	.25
C16-51FF	1200	.08
	1400	.11
	1600	.16
	1800	.22
C16-65	2000	.27
	1200	.13
	1400	.14
	1600	.16
C16-65	1800	.18
	2000	.18
	2200	.20
	2400	.22
	2600	.24

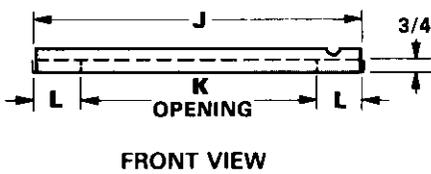
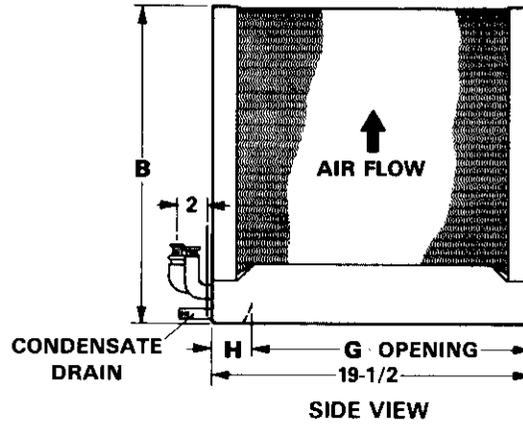
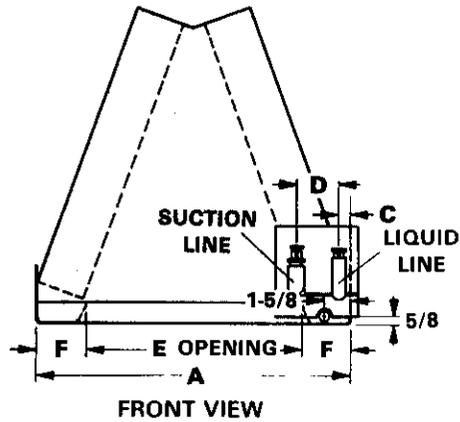
EXPANSION VALVE KIT SELECTOR

Evaporator Model No.	Condensing Unit	*Expansion Valve Kit
C16-18FF	HS18-141	LB-25778CH
	HS18-211	LB-25778CG
C16-21FF	HS16-211V	LB-53081CF
	HS16-261V, HS19-261V	LB-53081CD
	HS18-141	LB-25778CH
	HS18-211, HS18-261	LB-25778CG
C16-28FF C16-28WFF C16-31FF C16-31WFF	HS14-411-413V	LB-53081CA
	HS16-211V	LB-53081CF
	HS16-261V, HS16-311V, HS19-261V, HS19-311V	LB-53081CD
	HS16-411V, HS19-411V	LB-53081CB
	HS18-211, HS18-261	LB-25778CG
	HS18-311	LB-25778CE
C16-41FF C16-41WFF	HS18-411-413	LB-25778CF
	HS14-411-413V	LB-53081CA
	HS16-261V, HS16-311V, HS19-261V, HS19-311V	LB-53081CD
	HS16-411V, HS16-461V, HS19-411V, HS19-461V	LB-53081CB
C16-46FF C1-46WFF	HS18-311	LB-25778CE
	HS18-411-413, HS18-461-463	LB-25778CF
	HS14-411-413V	LB-53081CA
	HS14-511-513V, HS16-411V, HS16-461V, HS19-411V, HS19-461V	LB-53081CB
C16-51FF	HS16-511V, HS19-511V	LB-53081CC
	HS18-411-413, HS18-461-463	LB-25778CF
	HS18-511-513	LB-25778CC
	HS14-511-513V, HS16-411V, HS16-461V, HS19-411V, HS19-461V	LB-53081CB
	HS14-651-653V, HS16-511V, HS19-511V	LB-53081CC
C16-65	HS16-651V, HS19-651V	LB-53081CE
	HS18-461-463	LB-25778CF
	HS18-511-513	LB-25778CC
	HS18-651-653	LB-25778CD
	HS14-511-513V	LB-53081CB
C16-65	HS14-651-653V, HS16-511V, HS19-511V	LB-53081CC
	HS16-651V, HS19-651V	LB-53081CE
	HS18-511-513	LB-25778CC
	HS17-813V, HS18-651-653	LB-25778CD

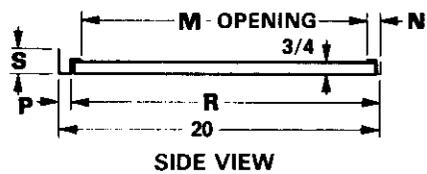
*Must be ordered extra for field installation.

DIMENSIONS (inches)

**C16-18FF, C16-21FF, C16-28FF, C16-28WFF, C16-31FF, C16-31WFF,
C16-41FF, C16-41WFF, C16-46FF AND C16-46WFF
COIL AND ADAPTER BASE ASSEMBLY**

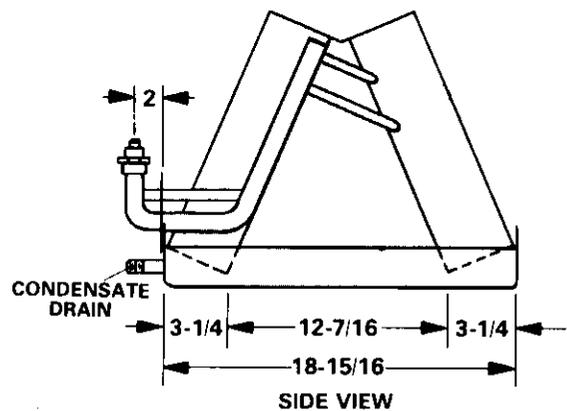
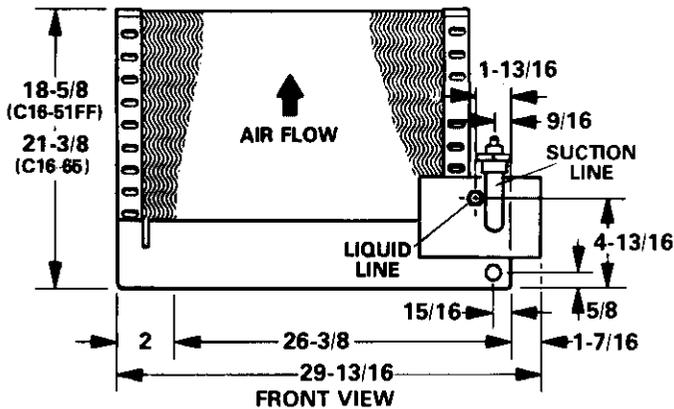


**ADAPTER BASE
(furnished)**

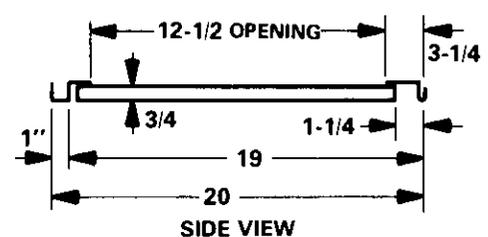
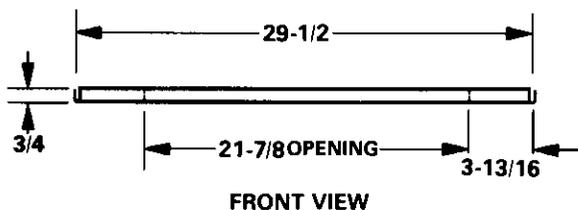


Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
C16-18FF	14-3/8	11-3/4	1-1/2	1-7/8	6-7/8	3-3/4	16-5/8	2-7/8	15	8	3-1/2	16-1/2	1-3/4	1	19	1-3/8
C16-21FF	14-3/8	17-1/8	3/4	2-5/16	8-3/8	3	17-1/8	2-3/8	15	9-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-28FF C16-31FF	14-3/8	16-1/8	3/4	2-7/16	8-3/8	3	17-1/8	2-3/8	15	9-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-28WFF C16-31WFF	19-3/8	16-1/8	3/4	2-7/16	13-3/8	3	17-1/8	2-3/8	20	14-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-41FF	14-3/8	20-1/2	3/4	2-5/8	8-3/8	3	17-1/8	2-3/8	15	9-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-41WFF	19-3/8	19-5/8	3/4	2-5/8	13-3/8	3	17-1/8	2-3/8	20	14-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-46FF	19-3/8	21-5/8	3/4	2-5/8	13-3/8	3	17-1/8	2-3/8	20	14-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2
C16-46WFF	24-5/8	21-5/8	3/4	2-5/8	18-5/8	3	17-1/8	2-3/8	25	19-1/2	2-3/4	18	3/4	3/4	19-1/4	1-1/2

C16-51FF AND C16-65 COIL AND ADAPTER BASE ASSEMBLY

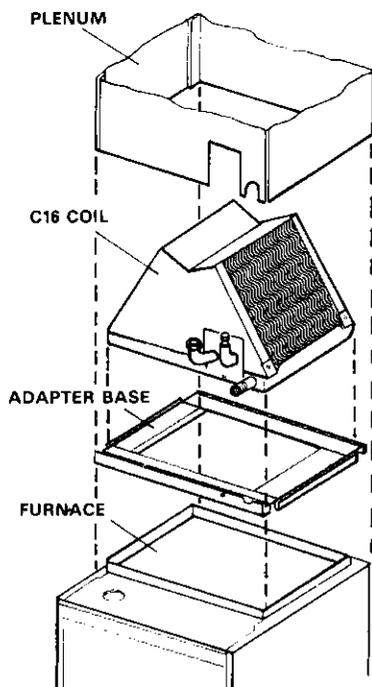


**ADAPTER BASE
(furnished)**

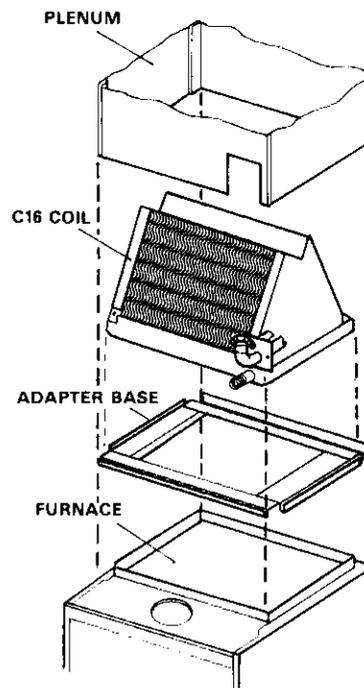


COIL AND ADAPTER BASE APPLICATION

**C16-18FF, C16-21FF, C16-28FF, C16-28WFF, C16-31FF, C16-31WFF,
C16-41FF, C16-41WFF, C16-46FF,
AND C16-46WFF**



C16-51FF AND C16-65



C16 SERIES COIL ASSEMBLY — ADAPTER BASE AND FURNACE SELECTOR

Evaporator Coil Assembly Model No.	Coil Adapter Base Fits Plenum Opening On Lennox Furnaces Below	Field Fabricated Adapter Required When Coil is Installed With Lennox Furnaces Below
C16-18FF	G12D2-55, G12D2-82, G12D2E-40, G12D2E-55, G12D2E-82, G16Q2-50,	---
C16-21FF	G12D2-55, G12D2-82, G12D2E-40, G12D2E-55, G12D2E-82, G12Q3-82, G12Q3E-82, †G14Q3-40, †G14Q3-60, †G14Q3-80, G16Q2-50	G14Q3-100, O16Q3-70, OF16Q3-105
C16-28FF C16-31FF	G12Q3-82, G12Q3E-28, G12Q3E-82, G16Q3-50, G16Q3-75	---
C16-28WFF C16-31WFF	G12Q3-110, †G12Q3-137, G12Q3E-110, †G12Q3E-137, G14Q3-40, G14Q3-60, G14Q4-60, G14Q3-80, G14Q4-80, †G14Q3-100	O16Q3-70, O16Q3/4-105, O16Q3/4-125, OF16Q3-105, OF16Q3/4-125
C16-41FF	G12Q3-82, G12Q3E-28, G12Q3E-82, G16Q3-50, G16Q3-75	---

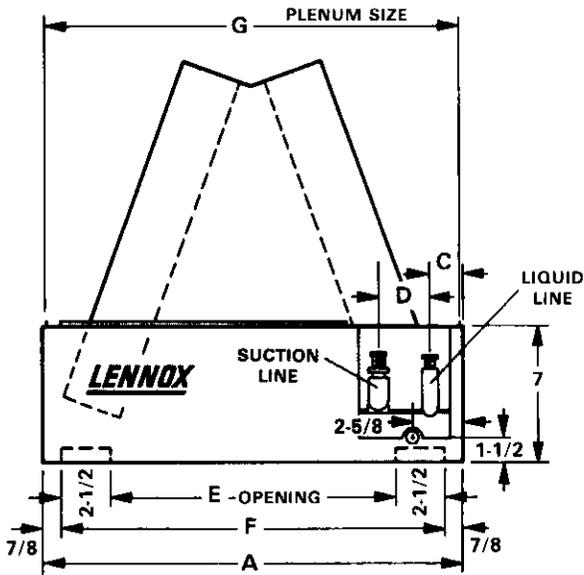
†With optional Coil Base Adapter Extensions (LB-37413BA). Must be ordered extra and field installed.

Evaporator Coil Assembly Model No.	Coil Adapter Base Fits Plenum Opening On Lennox Furnaces Below	Field Fabricated Adapter Required When Coil is Installed With Lennox Furnaces Below
C16-41WFF	G12Q3-110, †G12Q3-137, G12Q3E-110, †G12Q3E-137, G14Q3-40, G14Q3-60, G14Q4-60, G14Q3-80, G14Q4-80, †G14Q3-100, G16Q3/4-100	O16Q3-70, O16Q3/4-105, O16Q3/4-125, OF16Q3-105, OF16Q3/4-125
C16-46FF	G12Q4-110, G12Q4E-110, G14Q4-60, G14Q4-80, G16Q4-75, G16Q3/4-100	O16Q3/4-105
C16-46WFF	G12Q4-137, G12Q4E-137, †G12E-200, G14Q4/5-100	O16Q3/4-125, O16Q4/5-155, OF16Q3/4-125, OF16-155, OF16-185, OF16-250
C16-51FF	G12Q4-137, G12Q5-137, G12Q5-165, G12Q4E-137, G12Q5E-137, G12Q5E-165, G12E-200, G14Q5-80, G14Q4/5-100, G16Q5-100, G16Q4/5-125	G12Q4-110, G12Q4E-110, G14Q4-60, G14Q4-80, G16Q4-75, G16Q3/4-100, O16Q3/4-105, O16Q3/4-125, O16Q4/5-155, OF16Q3/4-125, OF16-155, OF16-185, OF16-250, OF16-310
C16-65	G12Q5-137, G12Q5-165, G12Q5E-137, G12Q5E-165, G12E-200, G14Q5-80, †G14Q4/5-100, G16Q5-100, G16Q4/5-125	O16Q4/5-155, OF16-310

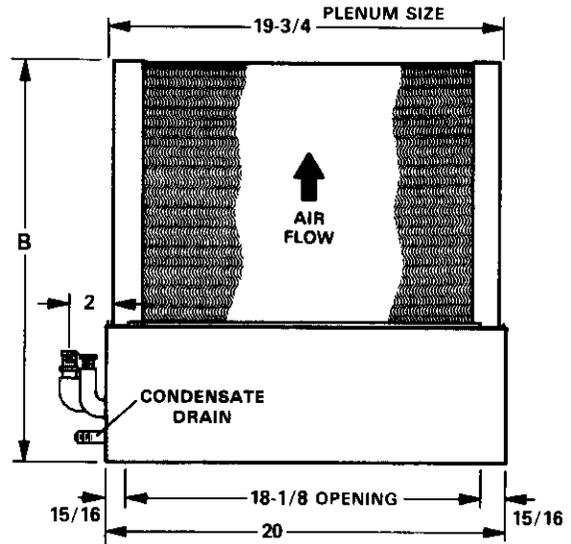
†With optional Coil Base Adapter Extensions (LB-37413BA). Must be ordered extra and field installed.

DIMENSIONS (inches)

**C16-18FF, C16-21FF, C16-28FF, C16-28WFF, C16-31FF, C16-31WFF,
C16-41FF, C16-41WFF, C16-46FF, C16-46WFF COIL
AND C16-00 SERIES CABINET**



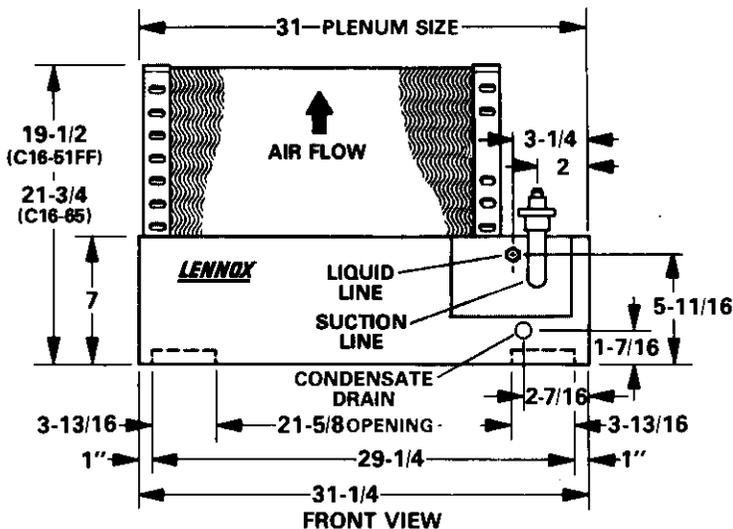
FRONT VIEW



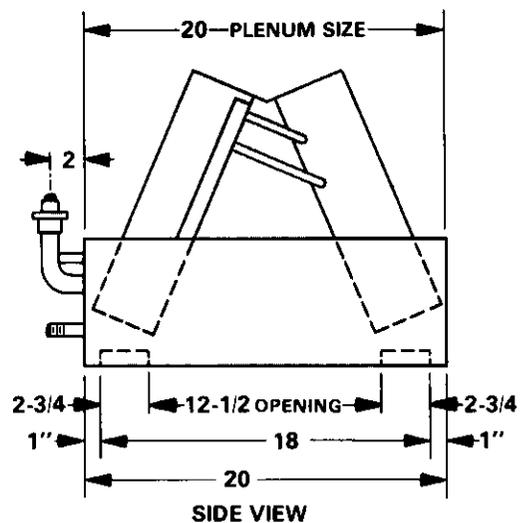
SIDE VIEW

Model No.	A	B	C	D	E	F	G
C16-18FF & C16-21-00	16-1/4	12-5/8	2-1/2	1-7/8	9-1/2	14-1/2	16
C16-21FF & C16-21-00	16-1/4	18	1-3/4	2-5/16	9-1/2	14-1/2	16
C16-28FF OR C16-31FF & C16-21-00	16-1/4	17	1-3/4	2-7/16	9-1/2	14-1/2	16
C16-28WFF OR C16-31WFF & C16-41W-00	21-1/4	17	1-3/4	2-7/16	14-1/2	19-1/2	21
C16-41FF & C16-21-00	16-1/4	21-3/8	1-3/4	2-5/8	9-1/2	14-1/2	16
C16-41WFF & C16-41W-00	21-1/4	20-1/2	1-3/4	2-5/8	14-1/2	19-1/2	21
C16-46FF & C16-41W-00	21-1/4	22-1/2	1-3/4	2-5/8	14-1/2	19-1/2	21
C16-46WFF & C16-46W-00	26-1/4	22-1/2	1-3/8	2-5/8	19-1/2	24-1/2	26

C16-51FF, C16-65 AND C16-65-00 MODEL CABINET



FRONT VIEW

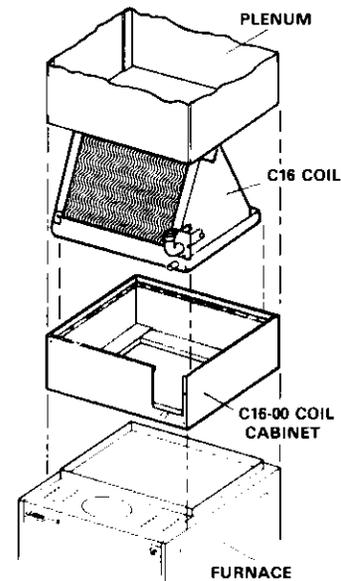
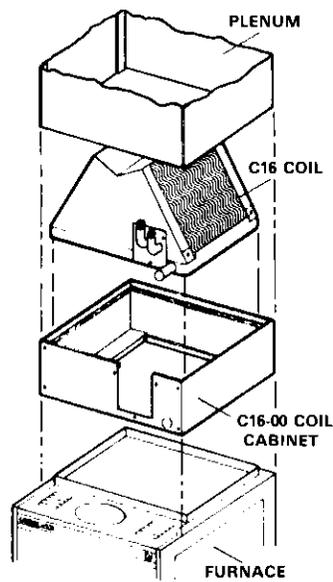


SIDE VIEW

CABINET APPLICATION

**C16-18FF, C16-21FF, C16-28FF, C16-28WFF, C16-31FF,
C16-31WFF, C16-41FF, C16-41WFF,
C16-46FF AND C16-46WFF**

C16-51FF AND C16-65



OPTIONAL COIL CABINET AND FURNACE SELECTOR

Evaporator & Cabinet Model No.	Evaporator Cabinet Fits Plenum Opening On Lennox Furnaces Below	†Evaporator Cabinet Plenum Opening Does Not Match Lennox Furnaces Below
C16-18FF and C16-21-00 Cabinet	G12D2-55, G12D2-82, G12D2E-40, G12D2E-55, G12D2E-82, G16Q2-50	----
C16-21FF and C16-21-00 Cabinet	G12D2-55, G12D2-82, G12D2E-40, G12D2E-55, G12D2E-82, G12Q3-82, G12Q3E-82, G16Q2-50	G14Q3-40, G14Q3-60, G14Q3-80, G14Q3-100, O16Q3-70, OF16Q3-105
C16-28FF OR C16-31FF and C16-21-00 Cabinet	G12Q3-82, G12Q3E-28, G12Q3E-82, G16Q3-50, G16Q3-75	----
C16-28WFF OR C16-31WFF and C16-41W-00 Cabinet	G12Q3-110, G12Q3E-110, G14Q3-40, G14Q3-60, G14Q3-80, G14Q4-60, G14Q4-80	G12Q3-137, G12Q3E-137, G14Q3-100, O16Q3-70, O16Q3/4-105, OF16Q3-105, O16Q3/4-125, OF16Q3/4-125
C16-41FF and C16-21-00 Cabinet	G12Q3-82, G12Q3E-28, G12Q3E-82, G16Q3-50, G16Q3-75	----

Evaporator & Cabinet Model No.	Evaporator Cabinet Fits Plenum Opening On Lennox Furnaces Below	†Evaporator Cabinet Plenum Opening Does Not Match Lennox Furnaces Below
C16-41WFF and C16-41W-00 Cabinet	G12Q3-110, G12Q3E-110, G14Q3-40, G14Q3-60, G14Q3-80, G14Q4-60, G14Q4-80, G16Q3/4-100	G12Q3-137, G12Q3E-137, G14Q3-100, O16Q3-70, O16Q3/4-105, O16Q3/4-125, OF16Q3-105, OF16Q3/4-125
C16-46FF and C16-41W-00 Cabinet	G12Q4-110, G12Q4E-110, G14Q4-60, G14Q4-80, G16Q4-75, G16Q3/4-100	----
C16-46WFF and C16-46W-00 Cabinet	G12Q4-137, G12Q4E-137, G14Q4/5-100	G12E-200, O16Q3/4-105, O16Q3/4-125, O16Q4/5-155, OF16Q3/4-125, OF16-155, OF16-185, OF16-250
C16-51FF and C16-65-00 Cabinet	G12Q4-137, G12Q5-137, G12Q5-165, G12Q4E-137, G12Q5E-137, G12Q5E-165, G14Q4/5-100, G16Q5-100, G16Q4/5-125	G12Q4-110, G12Q4E-110, G14Q4-60, G14Q4-80, G16Q4-75, G16Q3/4-100, O16Q3/4-105, O16Q3/4-125, O16Q4/5-155, OF16Q3/4-125, OF16-155, OF16-185, OF16-250, OF16-310
C16-65 and C16-65-00 Cabinet	G12Q5-137, G12Q5-165, G12Q5E-137, G12Q5E-165, G14Q4/5-100, G16Q5-100, G16Q4/5-125	O16Q4/5-155, OF16-310

†Field fabricated adapters are required to match Lennox furnace listed.

†Field fabricated adapters are required to match Lennox furnace listed.