

LENNOX®

CR2-26FF & CR4 SERIES EVAPORATORS — DOWN-FLO

*18,400 to 58,000 Btuh (5.4 to 17.0 kW) COOLING CAPACITY

*ARI Standard 210 Ratings

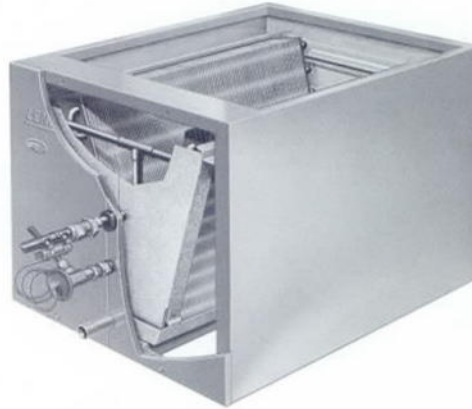
Canadian Edition
ENGINEERING DATA
COOLING UNITS
COILS
BLOWER COIL UNITS

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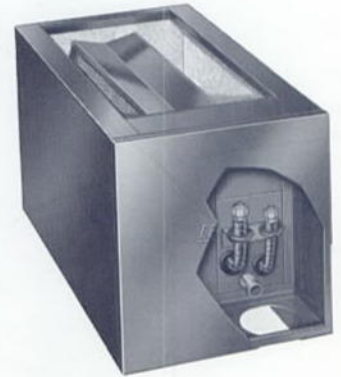
August 15, 1981

Supersedes 5-15-80

- Several Sizes Available
- Large Evaporator Coil
- Minimum Air Resistance
- Condensing Unit Choice
- Completely Insulated Cabinet
- Complete Service Access
- Flare Fittings
- Baked Enamel Finish
- Large Drain Pan



CR4-41FF, CR4-51FF & CR4-65FF
(with Expansion Valve Kit installed)



CR2-26FF

Compact Evaporator Units Provided Low Cost Add-On Cooling For Down-Flo Furnaces

CR2-26FF and CR4 series down-flo evaporators can easily be installed with most Lennox down-flo furnaces. Compact design of evaporator unit allows installation underneath a down-flo furnace within a closet or utility room. Inlet opening of evaporator cabinet fits supply air plenum opening of most down-flo furnaces. Units are applicable to RFC II™ Systems (with RFC II refrigerant line sets) or expansion valve systems (with expansion valve kit). See condensing unit bulletins indexed in Cooling Units — Condensing Units for cooling capacities.

Heavy gauge steel cabinet has a baked-on enamel finish and is lined with thick fiberglass insulation. Lennox fabricated coils are constructed of precisely spaced ripple edged aluminum fins fitted to durable copper tubes. Fins are equipped with collars that grip tubing for maximum contact

area. Copper tubing provides maximum coil life and ease of service. Flared shoulder tubing connections and silver soldering provide tight, leakproof joints. Coil is thoroughly tested under pressure to insure leak proof construction. Corrosion resistant drain pan is constructed of galvanized steel. Refrigerant lines are equipped with flare fittings and located for ease of connections. For expansion valve models a field installed expansion valve kit is required and must be ordered extra. Flare fittings on expansion valve permits quick and simple installation.

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. Evaporator units are shipped factory assembled and ready for installation.

SPECIFICATIONS

Model No.	CR2-26FF	CR4-41FF	CR4-51FF	CR4-65FF	
Nominal cooling capacity - tons (kW)	2(7)	3(11)	4(14)	5(18)	
Evaporator Coil	Net face area — sq. ft. (m ²)	2.29 (0.21)	4.75 (0.44)	5.20 (0.48)	5.20 (0.48)
	Tube diameter — in. (mm)	1/2 (13)	1/2 (13)	1/2 (13)	1/2 (13)
	Fins per inch (m)	10 (394)	15 (591)	15 (591)	15 (591)
	Number of rows	3	2	3	3
Suction line conn. — in. (mm) flare	5/8 (16)	3/4 (19)	3/4 (19)	3/4 (19)	
Liquid line conn. — in. (mm) flare	3/8 (10)	1/2 (13)	1/2 (13)	1/2 (13)	
Condensate drain mpt — in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	
Refrigerant	R-22	R-22	R-22	R-22	
Shipping weight — lbs. (kg) 1 pkg.	56 (25)	64 (29)	94 (43)	96 (44)	

Typical Application



Utility Room Installation

Climatisation Fortier & Frères Ltée

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

FURNACE SELECTOR

Evaporator Model No.	Inlet Air Opening Fits Plenum Connection On Furnaces Listed Below	A Field Fabricated Adapter Is Required When Evaporator Unit Is Installed With The Lennox Furnaces Listed Below (See Installation Instructions)
CR2-26FF	G8R-82, G8R-90	G8R-95, G8R-100, G8R-105 G8R-110, G8R-120, G8R-137 G8R-150, G10RQ3-110 OHR7-140, OSR7D-105 ES2-341-511-681, ES3D-341-511-681
CR4-41FF	G8R-95, G8R-100, G8R-105 G8R-110, G8R-120 G10RQ3-82, G10RQ3-110	G8R-137, G8R-150, G8R-165 G8R-180, G8R-200, G8R-210 G10RQ3-137, OHR4-168, OHR7-140 ES2-341-511-681
CR4-51FF	G8R-137, G8R-150 G10RQ5-137 ES2-850-1020-1200	G8R-165, G8R-180, G8R-200 G8R-210, GHR6-200 OHR4-168
CR4-65FF	G8R-165, G8R-200 GHR6-200	G10RQ5-137, OHR4-168 ES2-850-1020-1200

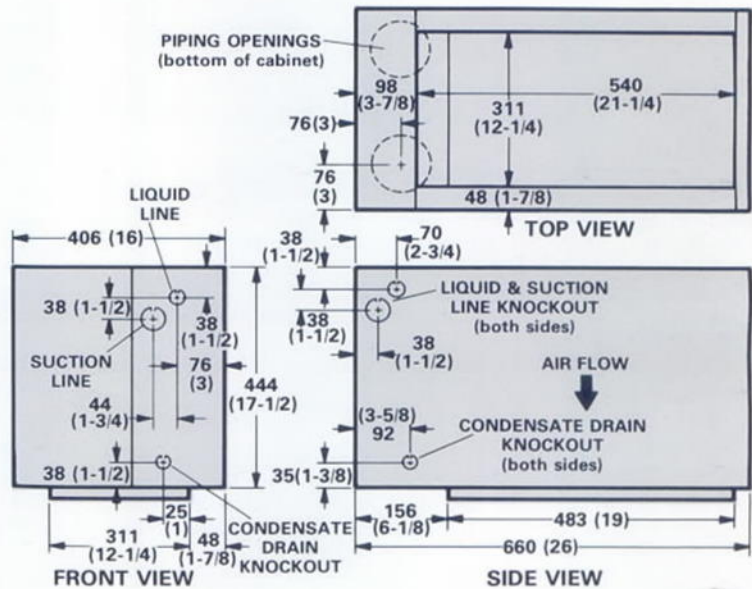
OPTIONAL EXPANSION VALVE KITS

Evaporator	Condensing Unit	Expansion Valve Kit
CR2-26FF	HS8-211FF, HS8-261FF HS16-211V, HS16-261V	LB-25778CA
CR4-41FF	HS8-261FF, HS8-311V HS8-411FF-413FF, HS16-411V-413V HS16-261V, HS16-311V	LB-25778CB LB-25778CA
CR4-51FF	HS8-411FF-413FF, HS8-511FF-513FF HS16-511V-513V HS16-311V, HS14-411V-413V	LB-25778CC LB-25778CE
CR4-65FF	HS8-651FF-653FF, HS16-651V-653V HS16-511V-513V, HS14-651V-653V HS14-411V-413V HS14-511V-513V	LB-25778CD LB-25778CC LB-25778CE LB-25778CF

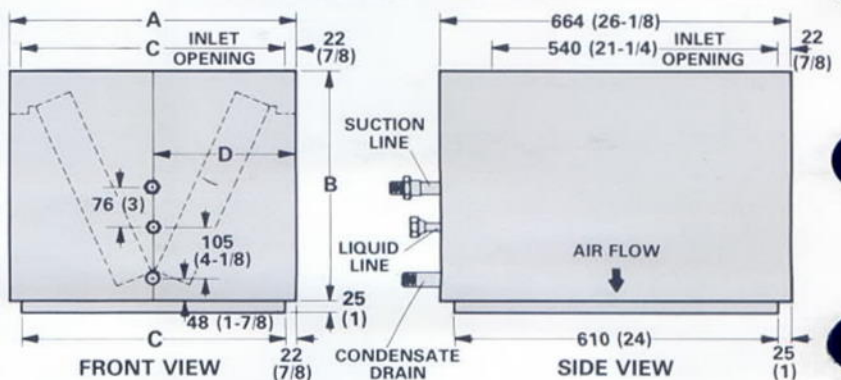
AIR RESISTANCE

Model No.	Air Volume		Total Resistance	
	cfm	L/s	(in. wg)	Pa
CR2-26FF	600	285	.15	37
	700	330	.20	50
	800	375	.26	65
	900	425	.30	75
	1000	470	.36	90
CR4-41FF	800	375	.06	15
	1000	470	.07	17
	1200	565	.09	22
	1400	660	.11	27
	1500	710	.12	30
CR4-51FF	1400	660	.12	30
	1600	755	.13	32
	1800	850	.14	35
	2000	945	.16	40
	2200	1040	.18	55
CR4-65FF	2400	1130	.21	52
	2500	1180	.23	57
	1600	755	.13	32
	1800	850	.14	35
	2000	945	.16	40
	2200	1040	.18	45
	2400	1130	.21	52
	2500	1180	.23	57

DIMENSIONS — mm (inches) CR2-26FF



CR4-41FF, CR4-51FF & CR4-65FF



Model No.	A		B		C		D	
	mm	inches	mm	inches	mm	inches	mm	inches
CR4-41FF	540	21-1/4	457	18	495	19-1/2	270	10-5/8
CR4-51FF	667	26-1/4	508	20	622	24-1/2	333	13-1/8
CR4-65FF	794	31-1/4	508	20	749	29-1/2	397	15-5/8