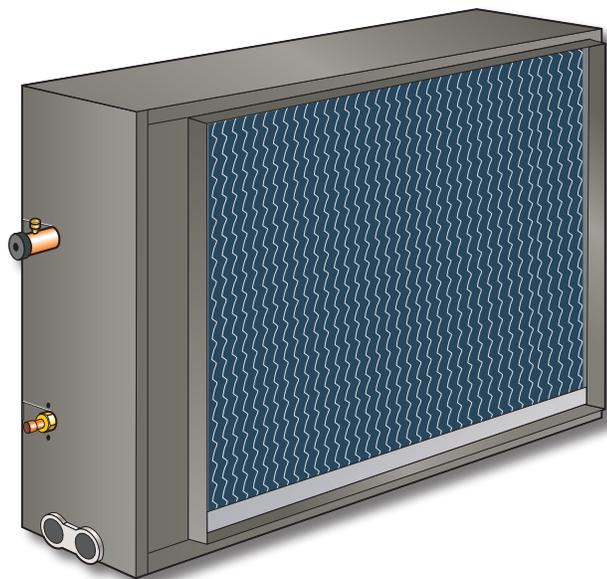


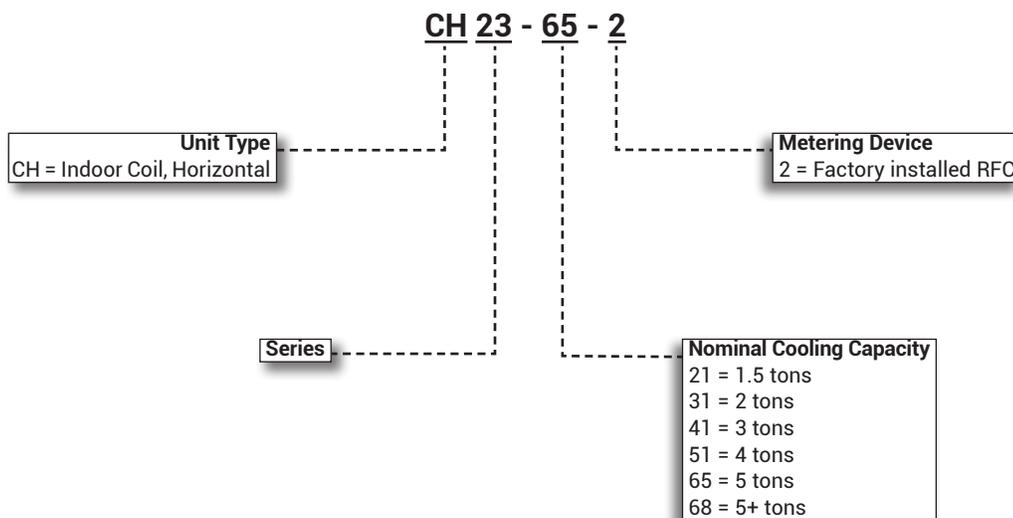


**RESIDENTIAL
PRODUCT SPECIFICATIONS**



1.5 to 5 Tons

MODEL NUMBER IDENTIFICATION



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APPROVALS AND WARRANTY

APPROVALS

- Tested with matching air conditioners and heat pump units in the Lennox Research Laboratory environmental test room in accordance with AHRI Standard 210/240
- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com
- Air resistance tests from Lennox Laboratory air test chamber

WARRANTY

- All other covered components:
 - Limited five years in residential installations
 - Limited one year in non-residential installations

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

FEATURES

APPLICATIONS

- 1.5 to 5 ton nominal sizes
- Lennox designed horizontal indoor coils can easily be installed with most Lennox horizontal furnaces
- Applicable to expansion valve or RFCIV systems

NOTE - Expansion valve systems require optional field installed kit.

COIL CONSTRUCTION

- Durable copper tubing
- Ripple-edged aluminum fins
- Lanced fins provide maximum exposure of fin surface to air stream
- Rifled tubing provides superior refrigerant flow
- Slab coil construction
- Non-corrosive drain pan with dual drain connections
- Sweat connections on both liquid and suction lines
- 90° liquid line elbow with o-ring is shipped with the coil
- High pressure testing ensures leakproof construction

- CH23-21 thru CH23-65 models are applicable to Lennox RFCIV refrigerant metering system or thermal expansion valve when matched with specific air conditioners
- CH23-68 models are applicable to thermal expansion valves only

NOTE - In certain applications the RFC orifice furnished with the coil must be replaced with the orifice furnished with the air conditioner. Refer to the air conditioner Product Specifications to determine if replacement is required.

NOTE - Optional expansion valve or check/expansion valve is required in most applications and must be ordered separately.

Refrigerant Flow Control IV

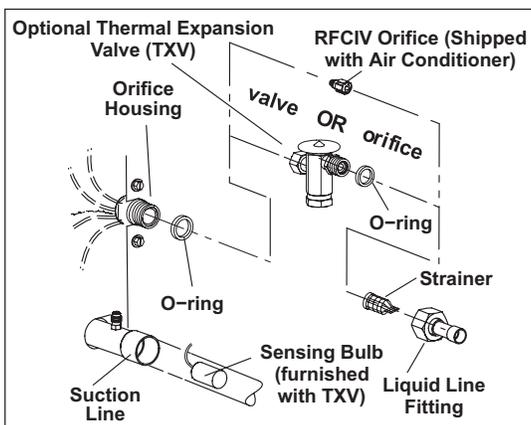
- RFCIV accurately meters refrigerant in system
- Refrigerant control is accomplished by exact sizing of refrigerant metering orifice
- Principle of Lennox RFCIV system involves matching indoor coil with proper bore size of orifice in metering device
- RFCIV system equalizes pressure shortly after compressor stops, unit starts unloaded, eliminating need for additional controls

Optional Accessories

Expansion Valve Kits

- Expansion valve available for field installation
- See Air Conditioners and Heat Pump Outdoor Units Product Specifications for expansion valve/check expansion valve kit selection

REFRIGERANT CONTROL CHOICE



FEATURES

CABINET

- Insulated with thick fiberglass insulation
- Heavy gauge, pre-painted galvanized steel
- Flanges furnished for ease of duct connection
- Removable panels provide access to coil
- Coil slides completely out of cabinet for easy servicing
- Refrigerant lines extend outside of cabinet for easy connection

SPECIFICATIONS

General Data		Model No.	CH23-21	CH23-31	CH23-41	CH23-51	CH23-65	CH23-68
	Nominal size - Tons		1.5	2	3	4	5	5+
Line connections in.	Suction / vapor o.d. - sweat		² 7/8	² 7/8	³ 7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		¹ 3/8	¹ 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
Indoor Coil	Net face area sq. ft.		3.36	3.97	3.97	4.58	5.50	6.42
	Tube diameter - in.		3/8	3/8	3/8	3/8	3/8	3/8
	Number of rows		2	2	3	3	3	4
	Fins per inch		14	14	12	12	12	12
Shipping Data - lbs.			30	34	42	46	55	75

¹ 3/8 x 5/16 in. reducing coupling shipped with coil.

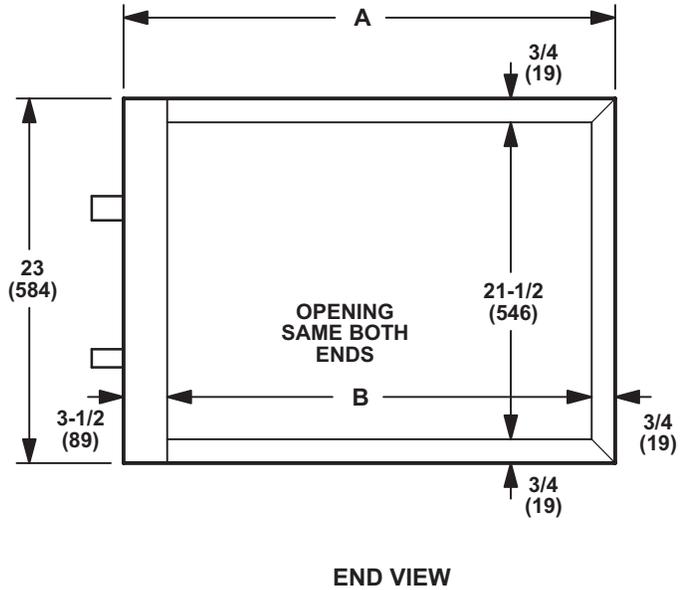
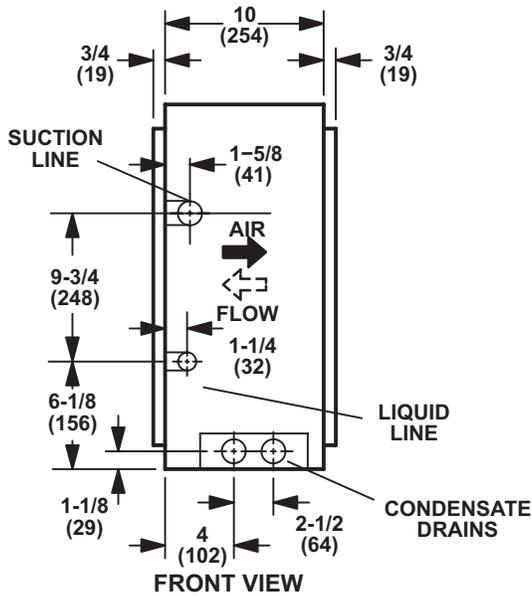
² 7/8 x 5/8 in. reducing bushing shipped with coil.

³ 7/8 x 3/4 in. reducing bushing shipped with coil.

AIR RESISTANCE

Model No.	Air Volume cfm	Total Resistance in. w.g.	Model No.	Air Volume cfm	Total Resistance in. w.g.
CH23-21	400	.03	CH23-51	1200	.11
	600	.05		1400	.14
	800	.07		1600	.17
	1000	.10		1800	.21
	1200	.14		2000	.25
				2200	.29
CH23-31	800	.03		2400	.33
	1000	.04		CH23-65 CH23-68	1200
	1200	.07	1400		.13
	1400	.10	1600		.16
	1600	.14	1800		.20
			2000		.24
		2200	.28		
CH23-41	1200	.09	2400		.32
	1400	.13			
	1600	.17			
	1800	.22			
	2000	.28			

DIMENSIONS



Model No.	A		B	
	in.	mm	in.	mm
CH23-21	27	686	22-3/4	578
CH23-31	31	787	26-3/4	679
CH23-41	31	787	26-3/4	679
CH23-51	35	889	30-3/4	781
CH23-65	41	1041	36-3/4	933
CH23-68	47	1194	42-3/4	1086



Visit us at www.lennox.com

For the latest technical information, www.LennoxPros.com

Contact us at 1-800-4-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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