

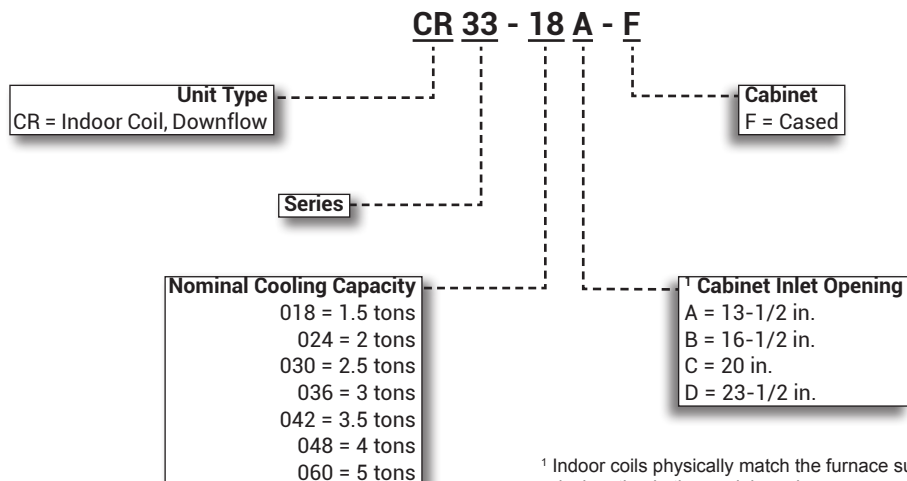


**RESIDENTIAL  
PRODUCT SPECIFICATIONS**



**1.5 to 5 Tons**

**MODEL NUMBER IDENTIFICATION**



<sup>1</sup> Indoor coils physically match the furnace supply air opening with the same letter designation in the model number.

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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](http://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 downflow indoor coils can easily be installed with most Lennox downflow furnaces
- Applicable to expansion valve or RFCIV systems

**NOTE** - Expansion valve systems require optional field installed kit.

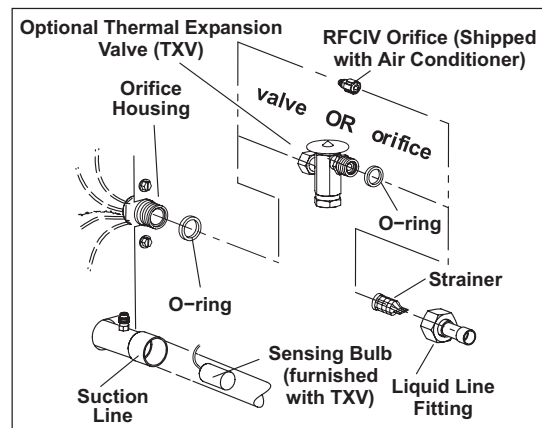
### COIL CONSTRUCTION

- Durable copper tubing
- Ripple-edged aluminum fins
- Lanced fins provide maximum exposure of fin surface to air stream
- Rifled tubing provides superior refrigerant heat transfer
- Twin coil construction assembled in a "V" configuration for large surface area
- Corrosion resistant plastic drain pan with dual fpt drain connections
- Liquid line seal nut section furnished for installation of expansion valve or RFCIV orifice
- Suction/vapor line has 1/4 in. port external to cabinet for expansion valve usage with external equalizer
- Sweat connections on both liquid and suction lines
- High pressure testing insures leakproof construction

### Furnace Match-Up

- Coils exactly match corresponding furnaces with same letter designation in model number
- No adaptor required
- Engaging holes furnished for alignment

### REFRIGERANT CONTROL CHOICE



- All models applicable to Lennox RFCIV refrigerant metering system when matched with specific air conditioners
- See Air Conditioners Product Specifications for applications

**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 evaporator 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

## FEATURES

### REFRIGERANT CONTROL CHOICE (continued)

#### 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

#### CABINET

- Insulated with thick fiberglass insulation
- Constructed of painted, heavy-gauge steel
- Coil slides out of cabinet for ease of servicing
- Removable panels provide access to coil
- Refrigerant lines extend outside of cabinet for easy installation

## SPECIFICATIONS

### 1.5 TO 3 TON

General Data		Model No.	CR33-18A-F	CR33-24A-F	CR33-24B-F	CR33-30/36A-F	CR33-30/36B-F
		<b>Nominal size - Tons</b>	1.5	2	2	2.5/3	2.5/3
<b>Line connections in.</b>	Suction / vapor o.d. - sweat		7/8	7/8	7/8	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
<b>Indoor Coil</b>	Net face area sq. ft.		3.5	3.21	3.21	4.08	4.08
	Tube diameter - in.		3/8	3/8	3/8	3/8	3/8
	Number of rows		2	3	3	3	3
	Fins per inch		18	12	12	12	12
<b>Shipping weight</b>	lbs.		44	44	49	58	57

## SPECIFICATIONS

### 2 TO 5 TON

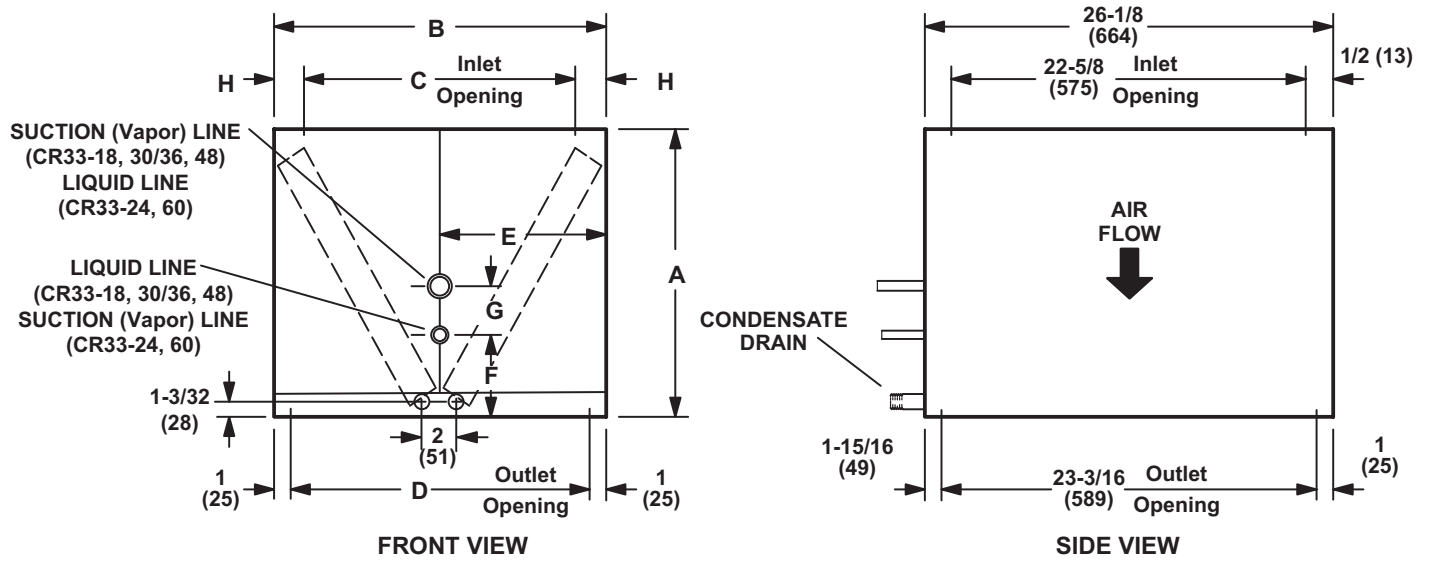
General Data		Model No.	CR33-30/36C-F	CR33-48B-F	CR33-48C-F	CR33-50/60C-F	CR33-60D-F
		<b>Nominal size - Tons</b>	2.5/3	4	4	4/5	5
<b>Line connections in.</b>	Suction / vapor o.d. - sweat		7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
<b>Indoor Coil</b>	Net face area sq. ft.		4.08	5.25	5.25	6.42	6.42
	Tube diameter - in.		3/8	3/8	3/8	3/8	3/8
	Number of rows		3	3	3	3	3
	Fins per inch		12	12	12	12	12
<b>Shipping weight</b>	lbs.		60	72	71	85	84

## AIR RESISTANCE

Model No.	Dry Coil		Wet Coil		
	Air Volume	Total Resistance	Air Volume	Total Resistance	
	cfm	in. w.g.	cfm	in. w.g.	
<b>CR33 -18A-F</b>	370	0.05	255	0.05	
	510	0.08	305	0.07	
	645	0.10	355	0.09	
	815	0.15	395	0.12	
	980	0.20	435	0.15	
	1115	0.25	520	0.18	
	1250	0.30	600	0.20	
	1395	0.35	690	0.25	
	1535	0.40	775	0.30	
	1645	0.45	845	0.35	
	1760	0.50	920	0.39	
	1870	0.55	1505	0.50	
<b>CR33 -24A-F</b>	315	0.05	335	0.05	
	465	0.09	490	0.10	
	595	0.14	600	0.15	
	725	0.20	705	0.20	
	825	0.25	790	0.25	
	910	0.30	870	0.30	
	1000	0.35	940	0.35	
	1080	0.40	1020	0.40	
	1225	0.50	1090	0.45	
	1370	0.60	1160	0.51	
	<b>CR33 -24B-F</b>	400	0.06	400	0.07
		500	0.09	500	0.10
600		0.13	600	0.15	
700		0.17	700	0.20	
800		0.23	800	0.26	
900		0.27	900	0.32	
1000		0.33	1000	0.39	
1100		0.39	1100	0.46	
1200		0.47	1200	0.54	
<b>CR33 -30/36A-F</b>		600	0.10	600	0.10
	700	0.13	700	0.14	
	800	0.16	800	0.18	
	900	0.20	900	0.23	
	1000	0.24	1000	0.27	
	1100	0.28	1100	0.32	
	1200	0.33	1200	0.38	
	1300	0.38	1300	0.43	
	1400	0.43	1400	0.49	
	<b>CR33 -30/36B-F</b>	525	0.05	410	0.05
660		0.08	495	0.08	
795		0.10	580	0.10	
980		0.15	785	0.15	
1165		0.20	995	0.20	
1320		0.25	1155	0.25	
1475		0.30	1320	0.30	
1605		0.35	1465	0.35	
1735		0.40	1610	0.40	
1805		0.43	1730	0.45	
1875		0.46	1850	0.50	

Model No.	Dry Coil		Wet Coil		
	Air Volume	Total Resistance	Air Volume	Total Resistance	
	cfm	in. w.g.	cfm	in. w.g.	
<b>CR33 -30/36C-F</b>	600	0.06	600	0.07	
	700	0.08	700	0.10	
	800	0.10	800	0.13	
	900	0.13	900	0.17	
	1000	0.16	1000	0.21	
	1100	0.19	1100	0.25	
	1200	0.22	1200	0.29	
	1300	0.26	1300	0.34	
	1400	0.29	1400	0.38	
	<b>CR33 -48B-F</b>	1200	0.14	1200	0.17
		1300	0.16	1300	0.20
		1400	0.19	1400	0.23
1500		0.22	1500	0.26	
1600		0.25	1600	0.29	
1700		0.28	1700	0.32	
1800		0.30	1800	0.36	
1900		0.34	1900	0.42	
2000		0.37	2000	0.45	
<b>CR33 -48C-F</b>		595	0.05	575	0.05
	860	0.10	820	0.10	
	1060	0.15	995	0.15	
	1235	0.20	1170	0.20	
	1395	0.25	1320	0.25	
	1545	0.30	1445	0.30	
	1675	0.35	1575	0.35	
	1805	0.40	1710	0.40	
	1925	0.45	1825	0.45	
	2030	0.50	1915	0.50	
<b>CR33 -50/60C-F</b>	1395	0.17	1400	0.19	
	1500	0.19	1500	0.22	
	1605	0.21	1600	0.24	
	1700	0.24	1710	0.27	
	1805	0.27	1800	0.31	
	1905	0.29	1890	0.33	
	2000	0.32	2000	0.36	
	2105	0.35	2105	0.40	
	2200	0.39	2190	0.45	
	<b>CR33 -60D-F</b>	1395	0.17	1400	0.19
1500		0.19	1500	0.22	
1605		0.21	1600	0.24	
1700		0.24	1710	0.27	
1805		0.27	1800	0.31	
1905		0.29	1890	0.33	
2000		0.32	2000	0.36	
2105		0.35	2105	0.40	
2200		0.39	2190	0.45	

# DIMENSIONS



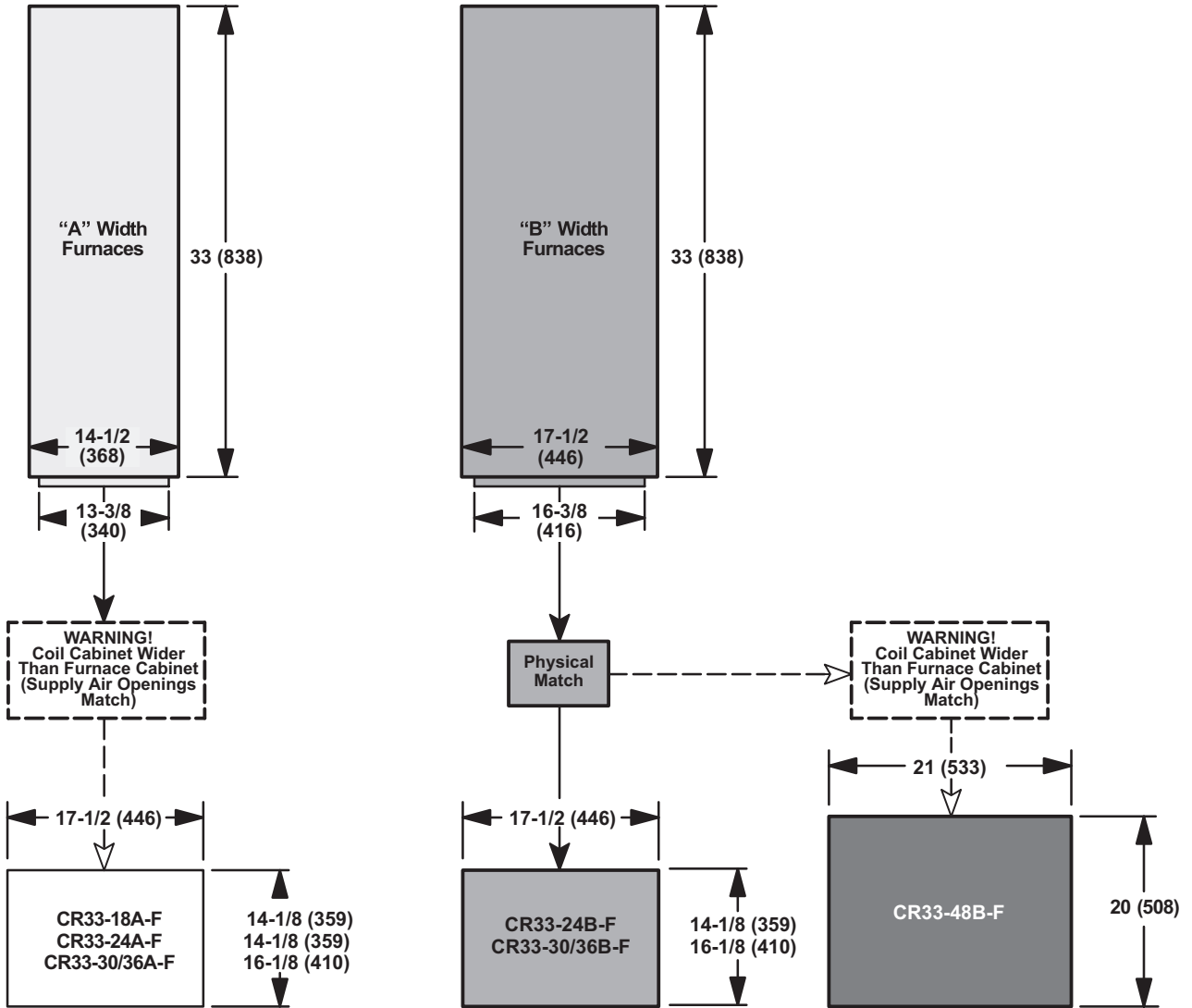
**NOTE - Liquid and Suction Line locations are reversed on CR33-24 and CR33-060 models.**

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
CR33-18A-F	14-1/8	359	17-1/2	445	13-1/2	343	15-1/2	394	8-3/4	222	6-1/4	159	3	76	2	51
CR33-24A-F	14-1/8	359	17-1/2	445	13-1/2	343	15-1/2	394	8-3/4	222	6-1/4	159	3	76	2	51
CR33-24B-F	14-1/8	359	17-1/2	445	16-1/2	419	15-1/2	394	8-3/4	222	5	127	5	127	1/2	13
CR33-30/36A-F	16-1/8	410	17-1/2	445	13-1/2	343	15-1/2	394	8-3/4	222	5	127	5	127	2	51
CR33-30/36B-F	16-1/8	410	17-1/2	445	16-1/2	419	15-1/2	394	8-3/4	222	6-1/8	156	3	76	1/2	13
CR33-30/36C-F	16-1/8	410	21	533	20	508	19	483	10-1/2	267	6-1/8	156	3	76	1/2	13
CR33-48B-F	20	508	21	533	16-1/2	419	19	483	10-1/2	267	8-1/8	206	4	102	2-1/4	57
CR33-48C-F	20	508	21	533	20	508	19	483	10-1/2	267	8-1/8	206	4	102	1/2	13
CR33-50/60C-F	23-5/8	600	24-1/2	622	20	508	22-1/2	572	12-1/4	311	3-1/2	89	17-3/16	437	2-1/4	57
CR33-60D-F	23-5/8	600	24-1/2	622	23-1/2	597	22-1/2	572	12-1/4	311	3-1/2	89	17-3/16	437	1/2	13

**PHYSICAL MATCHES**

**DOWNFLOW GAS FURNACES - CR33 COILS**

(Note - Coil opening will physically match the furnace supply air opening with the same letter designation in the model number.

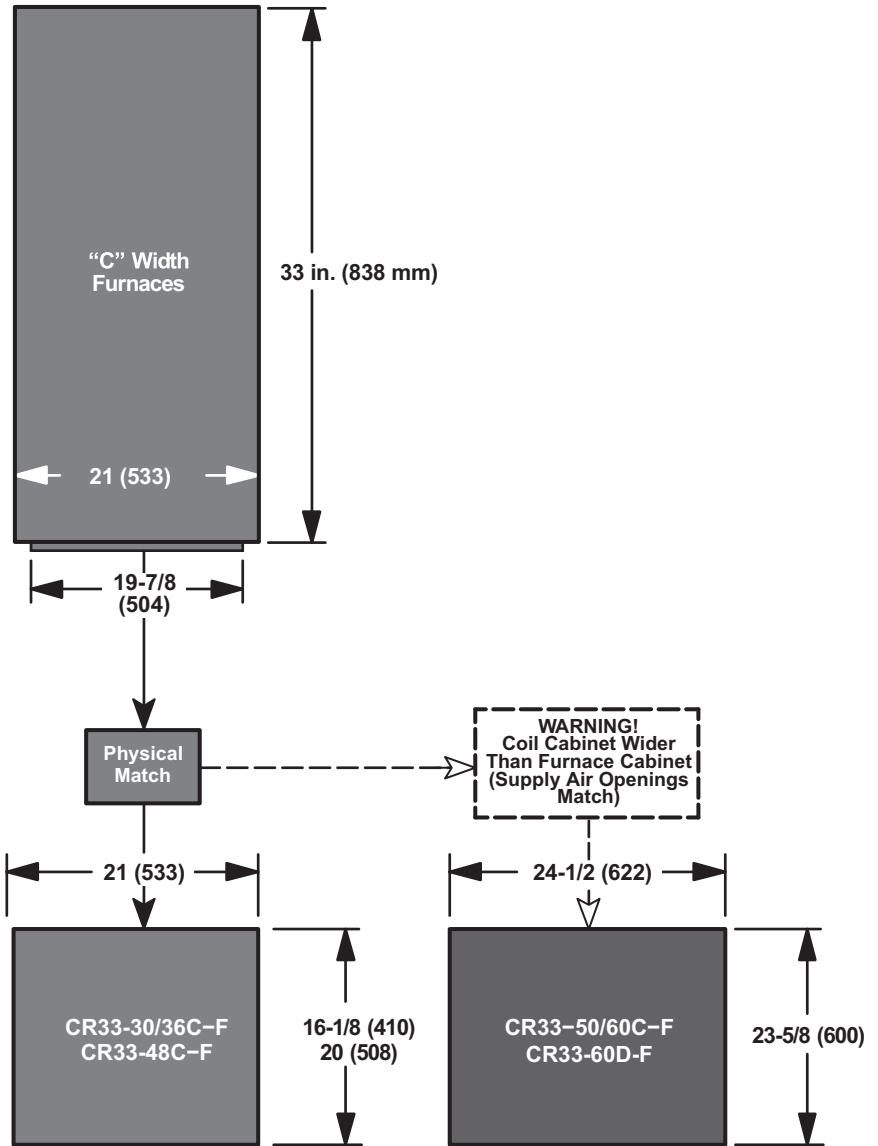


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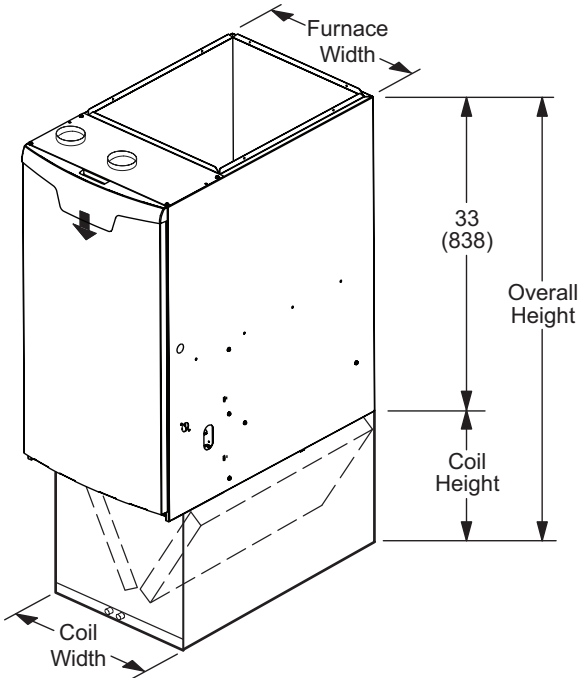
**PHYSICAL MATCHES**

**DOWNFLOW GAS FURNACES – CR33 COILS**

(Note – Coil opening will physically match the furnace supply air opening with the same letter designation in the model number.)



## DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS



Model Number	Coil Width		Furnace Width		Coil Height		Overall Height	
	in.	mm	in.	mm	in.	mm	in.	mm
<b>CR33-18A-F</b>	17-1/2	446	14-1/2	368	14-1/8	359	47-1/8	1197
<b>CR33-24A-F</b>	17-1/2	446	14-1/2	368	14-1/8	359	47-1/8	1197
<b>CR33-24B-F</b>	17-1/2	446	17-1/2	446	14-1/8	359	47-1/8	1197
<b>CR33-30/36A-F</b>	17-1/2	446	14-1/2	368	16-1/8	410	49-1/8	1248
<b>CR33-30/36B-F</b>	17-1/2	446	17-1/2	446	16-1/8	410	49-1/8	1248
<b>CR33-30/36C-F</b>	21	533	21	533	16-1/8	410	49-1/8	1248
<b>CR33-48B-F</b>	21	533	17-1/2	446	20	508	53	1346
<b>CR33-48C-F</b>	21	533	21	533	20	508	53	1346
<b>CR33-50/60C-F</b>	24-1/2	622	21	533	23-5/8	600	56-5/8	2276

## REVISIONS

Sections	Description of Change
Dimensions	Updated (Physical Matches)



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