# **INSTALLATION INSTRUCTIONS** FOR CASED/UNCASED COILS FOR GAS FURNACES:

(-)CF: featuring Industry-Standard R-410A Refrigerant





RECOGNIZE THIS SYMBOL AS AN INDICATION OF IMPORTANT SAFETY INFORMATION!

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These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit. Read these instructions thoroughly before attempting installation or operation. Failure to follow these instructions may result in improper installation, adjustment, service or maintenance possibly resulting in fire, electrical shock, property damage, personal injury or death.



#### DO NOT DESTROY THIS MANUAL PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE BY A SERVICEMAN

# **TABLE OF CONTENTS**

1.0	Safet	ty Information	3
2.0	Gene	eral Information	4
	2.1	Inspection	4
	2.2	Codes & Regulations	4
	2.3	Replacement Parts	5
	2.4	Model Number Explanation	5
	2.5	Coil Specifications	6
		2.5A Coil Specifications: Dimensions & Weights	6
		2.5B Coil Specifications: Airflow Pressure Drop	7
3.0	Insta	Ilation	8
	3.1	Applications	
	3.2	Refrigerant Connections 1	1
	3.3	TXV Sensing Bulb 1	1
	3.4	Electronic Expansion Valve (EXV) 1	1
	3.5	Vapor Line Thermister 1	1
	3.6	Factory Programmed Superheat 13	3
	3.7	Superheat Offset Dip Switch Settings 15	3
	3.8	EXV Step Dip Switches 13	
	3.9	EXV Diagnostics	3
	3.10	EXV Control 14	4
	3.11	EXV Control Optional Mounting Locations	4
	3.12	EXV Wiring 1	5
		Flow Check Piston 1	
	3.14	Condensate Drain Tubing 1	7
	3.15	Duct Flanges 18	8
	3.16	Coil End Shields	8
4.0	Main	tenance	8
	4.1 A	Nir Filter	8
		ndoor Coil - Drain Pan - Drain Line 18	
5.0	Acce	ssories	9
		Plenum Adapter Accessory 1	
		lorizontal Adapter Kit	
		RXBC- Empty Indoor Coil Casing	
		Incased Coil Adapter Kit 2	
	5.5 F	R-22 TXV Conversion Kits 2	2

# **1.0 SAFETY INFORMATION**

#### **WARNING**

These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit. Read these instructions thoroughly before attempting installation or operation. Failure to follow these instructions may result in improper installation, adjustment, service or maintenance possibly resulting in fire, electrical shock, property damage, personal injury or death.

#### **M** WARNING

PROPOSITION 65: This appliance contains fiberglass insulation. Respirable particles of fiberglass are known to the State of California to cause cancer.

All manufacturer products meet current Federal OSHA Guidelines for safety. California Proposition 65 warnings are required for certain products, which are not covered by the OSHA standards.

California's Proposition 65 requires warnings for products sold in California that contain or produce any of over 600 listed chemicals known to the State of California to cause cancer or birth defects such as fiberglass insulation, lead in brass, and combustion products from natural gas.

All "new equipment" shipped for sale in California will have labels stating that the product contains and/or produces Proposition 65 chemicals. Although we have not changed our processes, having the same label on all our products facilitates manufacturing and shipping. We cannot always know "when, or if" products will be sold in the California market.

You may receive inquiries from customers about chemicals found in, or produced by, some of our heating and air-conditioning equipment, or found in natural gas used with some of our products. Listed below are those chemicals and substances commonly associated with similar equipment in our industry and other manufacturers.

- · Glass Wool (Fiberglass) Insulation
- Carbon Monoxide (CO).
- Formaldehyde
- Benzene

More details are available at the websites for OSHA (Occupational Safety and Health Administration), at <u>www.osha.gov</u> and the State of California's OEHHA (Office of Environmental Health Hazard Assessment), at <u>www.oehha.org</u>. Consumer education is important since the chemicals and substances on the list are found in our daily lives. Most consumers are aware that products present safety and health risks, when improperly used, handled and maintained.

## CAUTION

For horizontal applications, the horizontal drain pan must be located under the indoor coil. Failure to place the pan under the coil can result in property damage.

## CAUTION

It is recommended that an auxiliary/secondary drain pan be installed under units containing evaporator coils that are located in any area of a structure where damage to the building or building contents may occur as a result of an overflow of the coil drain pan or a stoppage in the primary condensate drain piping.

# **2.0. GENERAL INFORMATION**

#### 2.1 INSPECTION

Immediately upon receipt, all cartons, and contents should be inspected for transit damage. Units with damaged cartons should be opened immediately. If damage is found, it should be noted on the delivery papers and a damage claim filed with the last carrier. Shipping damage is not covered by the warranty.

- After unit has been delivered to job site, remove carton taking care not to damage unit.
- Check the unit rating plate to be sure equipment matches what is required for the job specification.
- Read the entire instructions before starting the installation. This is particularly important if this is the first installation for this specific model series.
- Many installation steps done prior to installing the unit can save time and simplify the installation.

#### **2.2 CODES/REGULATIONS**

Units should be installed in accordance with any local or national codes which may apply. Latest editions are available from: "National Fire Protection Association, Inc., Batterymarch Park, Quincy, MA 02269."

These publications are:

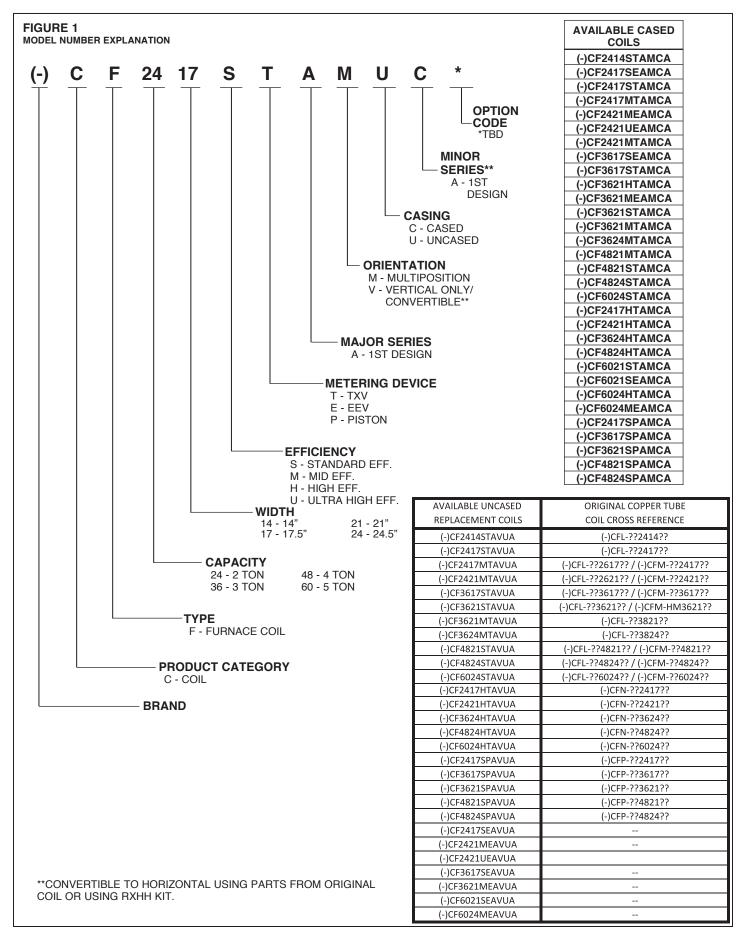
- ANSI/NFPA Latest Edition (NEC) National Electrical Code.
- NFPA90A Installation of Air conditioning and Ventilating Systems.
- NFPA90B Installation of Warm Air Heating and Air Conditioning Systems.

#### **2.3 REPLACEMENT PARTS**

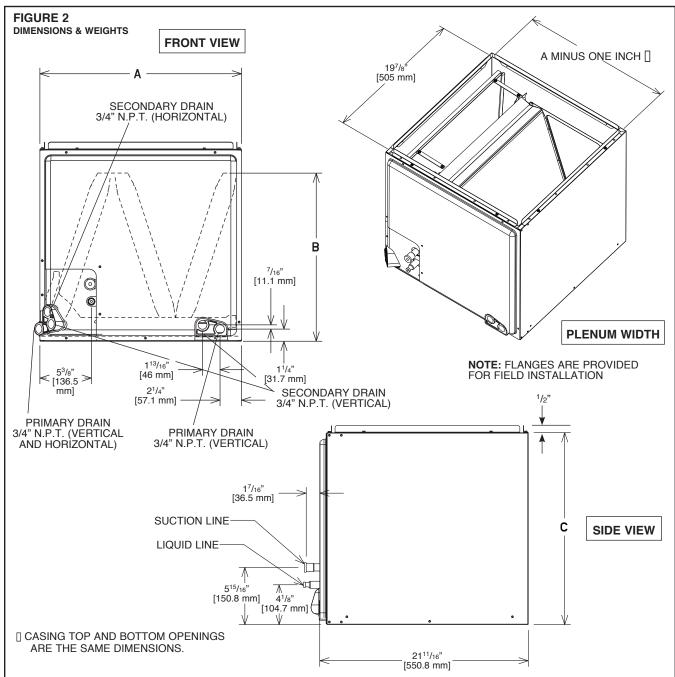
Any replacement part must be the same as or an approved alternate to the original part supplied. The manufacturer will not be responsible for replacement parts not designed to physically fit or operate within the design parameters the original parts were selected for.

When ordering replacement parts, it is necessary to order by part number and include the complete model number and serial number from the coil rating plate. (See parts list for unit component part numbers. Parts are available through the local distributor.)

#### 2.4 MODEL NUMBER EXPLANATION



#### 2.5 COIL SPECIFICATIONS 2.5A Coil Specifications: Dimensions & Weights (See Figure 2)



#### DIMENSIONS AND WEIGHTS DATA

	Connec	tions I.D.	Cased	Coil Dimensions (ir	.) [mm]	We	eight
Coil Model	Sweat (	in) [mm]			•	Coil Weight	Shipping Weight
mousi	Liquid	Suction	A	В	C	(lbs.) [Kg]	(lbs.) [Kg]
2414S*	3/8 [9.53]	3/4 [19.05]	14 [356]	20 <sup>1</sup> /16 [535]	23 <sup>3</sup> /16 [584]	45 [20]	49 [22]
2417S	3/8 [9.53]	3/4 [19.05]	17 <sup>1</sup> /2 [445]	14 <sup>1</sup> /2 [368]	20 [508]	43 [19]	48 [21]
2417M 3617S 2417H	3/8 [9.53]	3/4 [19.05]	17 <sup>1</sup> /2 [445]	17 <sup>7</sup> /8 [454]	20 [508]	49 [22]	54 [24]
2421M 3621S 2417H	3/8 [9.53]	3/4 [19.05]	21 [533]	17 <sup>1</sup> /2 [445]	20 [508]	51 [23]	57 [25]
3621M 4821S	3/8 [9.53]	7/8 [22.23]	21 [533]	25 <sup>7</sup> /8 [657]	28 [711]	71 [32]	78 [35]
3624M 4824S	3/8 [9.53]	7/8 [22.23]	24 <sup>1</sup> /2 [622]	25 <sup>3</sup> /8 [645]	32 [812]	83 [38]	93 [42]
3624H 4824H 6024H 6024S	3/8 [9.53]	7/8 [22.23]	24 <sup>1</sup> /2 [622]	30 <sup>1</sup> /4 [768]	32 [812]	100 [45]	110 [50]
2421U/6021S/4821M/3621H*	3/8 [9.53]	7/8 [22.23]	21 [533]	33 [838]	34 <sup>1</sup> /2 [876]	76 [34]	86 [37]

#### 2.5B Coil Specifications: Airflow Pressure Drop

TABLE 1 AIRFLOW PRESSURE DROP

	1	1			Wet Coll S	tatic Pre	ssure Dr	op (Inches	s W.C.) [k	Pa] CFM [l	./s] - Coil	-Only							
Coil Model (-)CF	Approx. Design Cooling Airflow Range CFM/[L/s]	Face Area Ft.² [m²]	Fins Per Inch / Rows Deep	Width	Nominal Capacity	600 [283]	700 [330]	800 [378]	900 [425]	1000 [472]	1100 [519]	1200 [566]	1300 [614]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]
(-)CF2414STAM	600/900 [283/425]	4.56 [0.42]	16/2	14		0.165	0.209	0.262	0.325	_	-	-	_	—	_	_	-	_	-
(-)CF2417STAM	600/900 [283/425]	4.56 [0.42]	16/2		1.5 - 2	0.120	0.157	0.199	0.246	_	_	_	_	_	_	_	-	_	
(-)CF2417SEAM	600/900 [283/425]	4.56 [0.42]	16/2			0.120	0.157	0.199	0.246	_	-	-	_	—	_	_	-	_	-
(-)CF2417MTAM	600/900 [283/425]	5.70 [.052]	16/2	17		0.113	0.145	0.181	0.222	_	-	-	_	_	_	_		_	-
(-)CF3617STAM	700/1300 [330/614]	5.70 [0.52]	16/2		2.5 - 3	0.113	0.145	0.181	0.222	0.266	0.315	0.368	_	_	_	_		_	-
(-)CF3617SEAM	700/1300 [330/614]	5.70 [0.52]	16/2		2.0 0	0.113	0.145	0.181	0.222	0.266	0.315	0.368	_	_	_	-	-		-
(-)CF2421MTAM	600/900 [283/425]	5.70 [0.52]	16/2			0.113	0.145	0.181	0.222	_	_	_	—	_	_	_		_	_
(-)CF2421MEAM	600/900 [283/425]	5.70 [0.52]	16/2		1.5 - 2	0.113	0.145	0.181	0.222	_	_	_	—	_	_	_		_	_
(-)CF2421UEAM	600/900 [283/425]	7.60 [0.70]	13/3			0.036	0.050	0.065	0.081	_	_	_	—	_	_	_		_	_
(-)CF2421HTAM	600/900 [283/425]	5.70 [0.52]	16/2			0.113	0.145	0.181	0.222	_	_	_	—	_	_	_		_	
(-)CF3621STAM	700/1300 [330/614]	5.70 [0.52]	16/2			0.113	0.145	0.181	0.222	0.266	0.315	0.368	—	-	-	-	-	-	-
(-)CF3621MTAM	700/1300 [330/614]	8.55 [0.79]	16/2	01	2.5 - 3	0.062	0.086	0.112	0.140	0.170	0.202	0.236	—	-	-	-	-	-	-
(-)CF3621MEAM	700/1300 [330/614]	8.55 [0.79]	16/2	21	2.0 - 5	0.062	0.086	0.112	0.140	0.170	0.202	0.236		_	-	—	-	—	_
(-)CF3621HTAM	700/1300 [330/614]	7.60 [0.70]	13/3			0.106	0.125	0.146	0.169	0.194	0.221	0.251	_	_	_	_	-	_	_
(-)CF4821MTAM	1100/1800 [519/850]	7.60 [0.70]	13/3		25.4	0.106	0.125	0.146	0.169	0.194	0.221	0.251	0.282	0.315	0.350	0.386	0.425	0.466	_
(-)CF4821STAM	1100/1800 [519/850]	8.55 [0.79]	16 / 2		3.5 - 4	0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	0.349	0.391	0.434	0.480	0.5
(-)CF6021STAM	1400/1600 [661/755]	7.60 [0.70]	13/3		-	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	_	-
(-)CF6021SEAM	1400/1600 [661/755]	7.60 [0.70]	13/3		5	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	_	-
(-)CF3624MTAM	700/1300 [330/614]	8.55 [0.79]	16/2			0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	_	_	_	_	-
(-)CF3624HTAM	700/1300 [330/614]	9.98 [0.93]	14/3		2.5 - 3	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	_	_		_	-
(-)CF4824STAM	1100/1800 [519/850]	8.55 [0.79]	16/2			0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	0.349	0.391	0.434	0.480	_
(-)CF4824HTAM	1100/1800 [519/850]	9.98 [0.93]	14/3	24	3.5 - 4	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	_
(-)CF6024STAM	1400/1800 [661/755]	9.98 [0.93]	14/3			0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	- 1
()					-		0.050		0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	_
(-)CF6024HTAM	1400/1800 [661/755]	9 98 [0 93]	14/3		5														
(-)CF6024HTAM (-)CF6024MFAM	1400/1800 [661/755] 1400/1800 [661/755]	9.98 [0.93]	14/3 14/3		5	0.036		0.065				0 137	0 158		0 203	0.228	0 254		
(-)CF6024HTAM (-)CF6024MEAM	1400/1800 [661/755] 1400/1800 [661/755]	9.98 [0.93] 9.98 [0.93]	14/3 14/3		5	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	_
.,			14/3		Dry Coil S	0.036	0.050	0.065	0.081	0.098	0.117		0.158		0.203	0.228	0.254		
.,				Width		0.036	0.050	0.065	0.081	0.098	0.117		0.158 1300 [614]		0.203 1500 [708]	0.228 1600 [755]	0.254 1700 [802]		
(-)CF6024MEAM	1400/1800 [661/755] Approx. Design Furnace Airflow	9.98 [0.93]	14/3 Fins Per Inch / Rows	Width 14	Dry Coil S Nominal	0.036 tatic Pre 600	0.050 ssure Dro 700	0.065 op (Inches 800	0.081 <b>W.C.) [kl</b> 900	0.098 Pa] CFM [L 1000	0.117 /s] - Coil· 1100	-Only 1200	1300	0.180 1400	1500	1600	1700	0.281	190
(-)CF6024MEAM Coil Model (-)CF	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s]	9.98 [0.93] Face Area Ft. <sup>2</sup> [m <sup>2</sup> ]	14/3 Fins Per Inch / Rows Deep		Dry Coil S Nominal Capacity	0.036 tatic Pre 600 [283]	0.050 ssure Dro 700 [330]	0.065 pp (Inches 800 [378]	0.081 5 W.C.) [kl 900 [425]	0.098 Pa] CFM [L 1000 [472]	0.117 /s] - Coil· 1100 [519]	-Only 1200 [566]	1300 [614]	0.180 1400 [661]	1500 [708]	1600 [755]	1700 [802]	0.281	190 [897
(-)CF6024MEAM Coil Model (-)CF2414STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755]	9.98 [0.93] Face Area Ft. <sup>2</sup> [m <sup>2</sup> ] 4.56 [0.42]	14/3 Fins Per Inch / Rows Deep 16/2		Dry Coil S Nominal	0.036 tatic Pre 600 [283] 0.118	0.050 ssure Dro [330] 0.118	0.065 op (Inches 800 [378] 0.145	0.081 W.C.) [kl 900 [425] 0.176	0.098 Pa] CFM [L 1000 [472] 0.210	0.117 /s] - Coil· 1100 [519] 0.247	-Only 1200 [566] 0.288	<b>1300</b> [614] 0.332	0.180 1400 [661] 0.379	<b>1500</b> [708] 0.429	<b>1600</b> [ <b>755</b> ] 0.483	1700 [802] —	0.281	190 [897 
(-)CF6024MEAM Coil Model (-)CF (-)CF2414STAM (-)CF2417STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707]	9.98 [0.93] Face Area Ft <sup>2</sup> [m <sup>2</sup> ] 4.56 [0.42] 4.56 [0.42]	14/3 Fins Per Inch / Rows Deep 16/2 16/2		Dry Coil S Nominal Capacity	0.036 tatic Pre 600 [283] 0.118 0.116	0.050 ssure Dro [330] 0.118 0.116	0.065 op (Inches 800 [378] 0.145 0.151	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190	0.098 Pa] CFM [L 1000 [472] 0.210 0.235	0.117 /s] - Coil- 1100 [519] 0.247 0.284	-Only 1200 [566] 0.288 0.338	<b>1300</b> [614] 0.332 0.397	0.180 <b>1400</b> <b>[661]</b> 0.379 0.461	<b>1500</b> [708] 0.429 0.530	<b>1600</b> [ <b>755</b> ] 0.483 —	1700 [802] —	0.281	190 [89] 
(-)CF6024MEAM Coil Model (-)CF2414STAM (-)CF2417STAM (-)CF2417SEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707]	9.98 [0.93] Face Area FL <sup>2</sup> [m <sup>2</sup> ] 4.56 [0.42] 4.56 [0.42]	14/3 Fins Per Inch / Rows Deep 16/2 16/2 16/2	14	Dry Coil S Nominal Capacity 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.116	0.050 ssure Dro [330] 0.118 0.116 0.116	0.065 op (Inchess 800 [378] 0.145 0.151 0.151	0.081 <b>900</b> [425] 0.176 0.190 0.190	0.098 Pa] CFM [L 1000 [472] 0.210 0.235 0.235	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.284	-Only 1200 [566] 0.288 0.338 0.338	<b>1300</b> [614] 0.332 0.397 0.397	0.180 <b>1400</b> <b>[661]</b> 0.379 0.461 0.461	1500 [708] 0.429 0.530 0.530	<b>1600</b> [755] 0.483 —	1700 [802] 	0.281 1800 [850]   	
(-)CF6024MEAM Coil Model (-)CF2414STAM (-)CF2417STAM (-)CF2417SEAM (-)CF2417SEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755]	9.98 [0.93]           Face Area Ft²[m²]           4.56 [0.42]           4.56 [0.42]           4.56 [0.42]           5.70 [.052]	14/3 Fins Per Inch / Rows Deep 16/2 16/2 16/2 16/2	14	Dry Coil S Nominal Capacity	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101	0.050 ssure Dro [330] 0.118 0.116 0.110 0.101	0.065 pp (Inches 800 [378] 0.145 0.151 0.151 0.129	0.081 W.C.) [kl 900 [425] 0.176 0.190 0.190 0.161	0.098 Pa] CFM [L 1000 [472] 0.210 0.235 0.235 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.284 0.235	-Only 1200 [566] 0.288 0.338 0.338 0.338	<b>1300</b> [614] 0.332 0.397 0.397 0.323	0.180 1400 [661] 0.379 0.461 0.461 0.373	1500 [708] 0.429 0.530 0.530 0.425	1600 [755] 0.483 — 0.482	1700 [802] 	0.281 1800 [850]	190 [89 
(-)CF6024MEAM Coil Model (-)CF (-)CF2414STAM (-)CF2417STAM (-)CF2417SEAM (-)CF2417SEAM (-)CF2417MTAM (-)CF3617STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755]	9.98 [0.93]           Face Area Ft²[m²]           4.56 [0.42]           4.56 [0.42]           4.56 [0.42]           5.70 [0.52]           5.70 [0.52]	14/3 Fins Per Inch / Rows Deep 16/2 16/2 16/2 16/2 16/2	14	Dry Coil S Nominal Capacity 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101 0.101	0.050 ssure Dro [330] 0.118 0.116 0.116 0.101 0.101	0.065 <b>800</b> <b>378]</b> 0.145 0.151 0.151 0.129 0.129	0.081 W.C.) [kl 900 [425] 0.176 0.190 0.190 0.161 0.161	0.098 Pa] CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.284 0.235 0.235	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277	<b>1300</b> [614] 0.332 0.397 0.323 0.323	0.180 1400 [661] 0.379 0.461 0.461 0.373 0.373	<b>1500</b> [708] 0.429 0.530 0.530 0.425 0.425	1600 [755] 0.483 — 0.482 0.482	1700 [802] — — — — —	0.281 1800 [850]	
(-)CF6024MEAM (-)CF6024MEAM (-)CF2414STAM (-)CF2411STAM (-)CF2417STAM (-)CF2417SEAM (-)CF2417STAM (-)CF3617STAM (-)CF3617SEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755]	9.98         [0.93]           Face Area FL <sup>2</sup> [m <sup>2</sup> ]         Face Area (m <sup>2</sup> ]           4.56         [0.42]           4.56         [0.42]           4.56         [0.42]           5.70         [.052]           5.70         [0.52]	14/3 Fins Per Inch / Rows Deep 16/2 16/2 16/2 16/2 16/2 16/2	14	Dry Coil S Nominal Capacity 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101 0.101 0.101	0.050 ssure Dro [330] 0.118 0.116 0.116 0.101 0.101 0.101	0.065 <b>800</b> <b>378]</b> 0.145 0.151 0.151 0.129 0.129	0.081 W.C.) [kl 900 [425] 0.176 0.190 0.190 0.161 0.161	0.098 <b>Paj CFM [L</b> 1000 [472] 0.210 0.235 0.235 0.235 0.196 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277	<b>1300</b> [614] 0.332 0.397 0.397 0.323 0.323 0.323	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373	<b>1500</b> [708] 0.429 0.530 0.530 0.425 0.425 0.425	1600 [755] 0.483 — 0.482 0.482 0.482	1700 [802] — — — — —	0.281 1800 [850]	190 [89 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF2414STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417SEAM (-)CF2417MTAM (-)CF3617STAM (-)CF3617SEAM (-)CF2421MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755]	9.98 [0.93] Face Area Ft*[m*] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52]	14/3 Fins Per Inch / Rows Deep 16/2 16/2 16/2 16/2 16/2 16/2 16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101 0.101 0.101 0.101	0.050 ssure Dro [330] 0.118 0.116 0.116 0.101 0.101 0.101 0.101	0.065 <b>800</b> <b>378]</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129	0.081 W.C.) [kl 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161	0.098 <b>Paj CFM [L</b> 1000 [472] 0.210 0.235 0.235 0.235 0.196 0.196 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.284 0.235 0.235 0.235 0.235	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373	1500 [708] 0.429 0.530 0.530 0.425 0.425 0.425 0.425	1600 [755] 0.483 — 0.482 0.482 0.482 0.482	1700 [802]     	0.281  1800 [850]	 [89 
(-)CF6024MEAM (-)CF6024MEAM (-)CF20414STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417MTAM (-)CF3617STAM (-)CF3617SEAM (-)CF2421MTAM (-)CF2421MEAM (-)CF2421UEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755]	9.98 [0.93] Face Area Ft*[m*] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 7.60 [0.70]	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101 0.101 0.101 0.101 0.101 0.101	0.050 ssure Dro [300] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129	0.081 <b>900</b> [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277	<b>1300</b> [614] 0.332 0.397 0.323 0.323 0.323 0.323 0.323 0.323 0.323 0.323	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373	1500 [708] 0.429 0.530 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425	1600 [755] 0.483  0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482	1700 [802]     	0.281  1800 [850]	190 [89 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF (-)CF2414STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF3617SEAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421LEAM (-)CF2421HTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755]	9.98 [0.93] Face Area Ft <sup>2</sup> [m <sup>-</sup> ] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52]	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101	0.050 ssure Dro [330] 0.118 0.116 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.080 0.101	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.129 0.129 0.129 0.129 0.129 0.092 0.129	0.081 <b>900</b> [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.106 0.161	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.121 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277	<b>1300</b> [614] 0.332 0.397 0.323 0.323 0.323 0.323 0.323 0.323 0.323 0.323 0.323	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373	1500 [708] 0.429 0.530 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.211 0.425	1600 [755] 0.483  0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482	1700 [802]     	0.281  1800 [850]	190 [89 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF2414STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417SEAM (-)CF3617STAM (-)CF3617SEAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421HEAM (-)CF2421HEAM (-)CF2421HEAM (-)CF2421HEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755]	9.98 [0.93] Face Area Ft <sup>2</sup> [m <sup>-</sup> ] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52]	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.080 0.101 0.101	0.050 ssure Dro [330] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101	0.065 <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161	0.098 2a] CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.121 0.196 0.196 0.196	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235	Only           1200           [566]           0.288           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373	1500 [708] 0.429 0.530 0.530 0.425 0.425 0.425 0.425 0.425 0.425 0.211 0.425 0.425	1600 [755] 0.483  0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.482	1700 [802] — — — — — — — — — — — — — — — — — — —	0.281  1800 [850]	
(-)CF6024MEAM (-)CF6024MEAM (-)CF24175TAM (-)CF24175TAM (-)CF24175TAM (-)CF24175TAM (-)CF24175TAM (-)CF36175TAM (-)CF36175TAM (-)CF36175TAM (-)CF2421MTAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421HTAM (-)CF3621STAM (-)CF3621MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755]	9.98 [0.93]  Face Area Ft*[m*]  4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3	0.036 tatic Pre f000 f283 0.118 0.116 0.101 0.10	0.050 ssure Dro [330] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.080 0.101 0.101 0.039	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.175	0.098 2a] CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.121 0.196 0.121 0.196 0.196 0.196 0.196 0.235	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.141	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.323           0.323           0.323           0.323           0.166	0.180 1400 [661] 0.379 0.461 0.373 0.193 0.194 0.193 0.193 0.193 0.193 0.193 0.193 0.193 0.193 0.1	1500 [708] 0.429 0.530 0.530 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.211 0.425 0.425 0.425 0.425	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.482 0.482 0.482 0.482	1700 [802] — — — — — — — — — — — — — — — — — — —	0.281  1800 [850]	190 [89 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417MTAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421MTAM (-)CF2421MTAM (-)CF2421MTAM (-)CF3621MTAM (-)CF3621MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1900 [283/755]	9.98 [0.93]  Face Area Ft*[m*]  4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 8.55 [0.79] 8.55 [0.79]	14/3           Fins Per Inch / Rows Deep           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039	0.050 ssure Dro ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.056 0.	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.165 0.075 0.075	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.121 0.196 0.121 0.196 0.196 0.196 0.095 0.095	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.141           0.141	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.166	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.193	1500 [708] 0.429 0.530 0.530 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425 0.425	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482	1700 [802] — — — — — — — — — — — — — — — — — — —	0.281 1800 [850] 	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF (-)CF2417STAM (-)CF2417STAM (-)CF2417SEAM (-)CF2417SEAM (-)CF3617SEAM (-)CF3617SEAM (-)CF2421MEAM (-)CF2421MEAM (-)CF2421HEAM (-)CF2421HEAM (-)CF3621MEAM (-)CF3621MEAM (-)CF3621HEAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1900 [283/755]	9.98 [0.93]  Face Area Ft*[m*]  4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 8.55 [0.79] 8.55 [0.79] 8.55 [0.79]	14/3           Fins Per Inch / Rows Deep           16/2           16/3	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039 0.043	0.050 ssure Dro f(330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039 0.043	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.129 0.092 0.129 0.129 0.056 0.056 0.053	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.121 0.196 0.121 0.196 0.196 0.196 0.196 0.095 0.095 0.080	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.117 0.096	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.277           0.153           0.277           0.141           0.141	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158	1500 [708] 0.429 0.530 0.530 0.425	1600 [755] 0.483  0.482 0.483	1700 [802] — — — — — — — — — — — — — — — — — — —	0.281 1800 [850]        -	1900 [89]
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417NTAM (-)CF3617STAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MEAM (-)CF2421HTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/707] 600/1500 [283/707] 600/1500 [283/707] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896]	9.98 [0.93] <b>Face Area</b> <b>Ft</b> <sup>2</sup> [m <sup>-</sup> ] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 8.55 [0.79] 8.55 [0.79] 7.60 [0.70] 7.60 [0.70]	14/3           Fins Per Inch / Rows Deep           16/2           16/3           13/3           13/3	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3 1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039 0.043 0.043	0.050 ssure Dro f(330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039 0.043 0.043	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.129 0.092 0.129 0.056 0.055 0.053 0.053	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.066	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.121 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.080	0.117 /s] - Coil- 1100 [519] 0.247 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.096 0.096	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158	1500 [708] 0.429 0.530 0.530 0.425 0	1600 [755] 0.483  0.482 0.483 0.483	1700 [802]             -	0.281 1800 [850]        -	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MTAM (-)CF2421MTAM (-)CF3621TAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/707] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/100 [283/755] 600/1000 [283/755] 600/	9.98 [0.93]  Pace Area Ft*[m*]  4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 8.55 [0.79] 8.55 [0.79] 8.55 [0.79] 8.55 [0.79] 8.55 [0.79]	14/3           Fins Per Inch / Rows Deep           16/2           13/3           13/3           16/2	14	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039	0.050 ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.056 0.055 0.053 0.053 0.055	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.121 0.196 0.196 0.196 0.095 0.095 0.080 0.080 0.095	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.096 0.096 0.117	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141	1300         [614]           0.332         0.397           0.397         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.171         0.323           0.323         0.166           0.135         0.135           0.166         0.135	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.158	1500 [708] 0.429 0.530 0.530 0.425 0.4550000000000	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.252 0.252 0.208 0.208 0.252	1700 [802]             0.284 0.284 0.237 0.237 0.284	0.281 1800 [850]        -	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM Coil Model (-)CF (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417NTAM (-)CF3617STAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MEAM (-)CF2421MTAM (-)CF3621TAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/707] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896] 600/1900 [283/896]	9.98 [0.93] 9.98 [0.93] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 5.70 [0.52] 8.55 [0.79] 8.55 [0.79] 8.55 [0.79] 7.60 [0.70] 7.60 [0.70] 7.60 [0.70]	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3	14	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039 0.043	0.050 ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.039 0.080	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.092 0.129 0.056 0.053 0.053 0.056 0.092	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.106	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.095 0.080 0.095 0.121	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.136 0.235 0.117 0.117 0.096 0.096 0.117 0.136	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141           0.115           0.141           0.153	1300         [614]           0.332         0.397           0.397         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.171         0.323           0.166         0.135           0.135         0.166           0.171         0.135	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.193 0.190	1500 [708] 0.429 0.530 0.425 0	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.252 0.208 0.208 0.208 0.252 0.232	1700 [802]            0.284 0.284 0.237 0.284 0.254	0.281 1800 [850]        -	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417NTAM (-)CF3617STAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MTAM (-)CF2421MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF4821STAM (-)CF4821STAM (-)CF6021STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93) 9.98 (0.93) 4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 8.55 (0.79) 8.55 (0.79) 8.55 (0.79) 7.60 (0.70) 7.60 (	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           13/3	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3 1.5 - 2 2.5 - 3 3.5 - 4	0.036 tatic Pre 600 [283] 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.039 0.080 0.080	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039 0.080 0	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.053 0.056 0.053 0.056 0.092 0.092	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.106 0.106	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.095 0.121 0.121	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.096 0.096 0.117 0.136 0.136	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141           0.115           0.141           0.153	1300           [614]           0.332           0.397           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.171	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.158 0.193 0.190 0.190	1500 [708] 0.429 0.530 0.425 0	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.252 0.252 0.208 0.208 0.208 0.252 0.232	1700 [802]           0.284 0.284 0.237 0.284 0.237 0.284 0.254	0.281 1800 [850]        -	1900 [89]
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF2421MTAM (-)CF2421MTAM (-)CF2421MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF4821STAM (-)CF6021STAM (-)CF6021STAM (-)CF6021STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/707] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 [0.93] 9.98 [0.93] Face Area Ft*[m <sup>-</sup> ] 4.56 [0.42] 4.56 [0.42] 4.56 [0.42] 5.70 [0.52] 5.70 [0.5	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           16/2	14	Dry Coil S Nominal Capacity 1.5 - 2 2.5 - 3 1.5 - 2 2.5 - 3 3.5 - 4	0.036 tatic Pre 600 [283] 0.118 0.116 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039 0.043 0.039 0.080 0.080 0.080 0.080 0.080 0.039	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.039 0.080 0.080 0.080 0.039	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.053 0.056 0.092 0.092 0.092 0.092	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.106 0.106 0.106 0.075	0.098 Paj CFM [L 1000 [472] 0.210 0.235 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.095 0.121 0.121 0.210	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.096 0.096 0.117 0.136 0.136 0.117	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.141           0.115           0.141           0.153           0.153           0.153           0.153	1300         [614]           0.332         0.397           0.397         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.323         0.323           0.171         0.323           0.166         0.135           0.166         0.171           0.171         0.171           0.171         0.166	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.158 0.193 0.190 0.190 0.193	1500 [708] 0.429 0.530 0.425 0	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.252 0.252 0.208 0.208 0.252 0.232 0.232 0.232	1700 [802]           0.284 0.284 0.237 0.284 0.254 0.254 0.254 0.254	0.281 1800 [850]         	1900 [89 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF3621MTAM (-)CF2421MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621STAM (-)CF6021STAM (-)CF6021STAM (-)CF3624MTAM (-)CF3624MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93) <b>Face Area Ft*[m*]</b> 4.56 (0.42)  4.56 (0.42)  4.56 (0.42)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  7.60 (0.70)  7.60 (0.	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           16/2           13/3           16/2           14/3	14	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2           2.5 - 3           3.5 - 4           5	0.036 tatic Pre fe00 f283 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.039 0.043 0.039 0.080 0.080 0.080 0.039 0.023	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.04 0.04	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.056 0.092 0.092 0.056 0.092 0.056 0.038	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.106 0.106 0.075 0.106 0.106 0.075 0.106	0.098 a) CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.080 0.095 0.121 0.121 0.121 0.121 0.095 0.074	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.117 0.096 0.117 0.136 0.136 0.117 0.095	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141           0.153           0.153           0.153           0.141           0.153           0.141           0.153           0.141	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.166           0.171           0.166           0.171	0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.158 0.158 0.158 0.193 0.190 0.193 0.171	1500 [708] 0.429 0.530 0.425 0	1600 [755] 0.483  0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.252 0.252 0.208 0.208 0.252 0.232 0.232 0.232 0.252 0.231	1700 [802] 	0.281 1800 [850]        -	199 [89 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36247STAM (-)CF36247STAM (-)CF36247STAM (-)CF36247STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93) <b>Face Area Ft*[m*]</b> 4.56 (0.42)  4.56 (0.42)  4.56 (0.42)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  5.70 (0.52)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  7.60 (0.70)  8.55 (0.79)  9.88 (0.93)  8.55 (0.79)  9.88 (0.93)  8.55 (0.79)  9.88 (0.93)  8.55 (0.79)  9.50 (0.70)  9.50 (0.	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           14/3           16/2	14 17 21	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2           2.5 - 3           3.5 - 4           5	0.036 tatic Pre fe00 f283 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.043 0.039 0.043 0.039 0.080 0.080 0.080 0.039 0.023 0.039	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.043 0.043 0.043 0.080 0.080 0.080 0.039 0.023 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.039 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.056 0.092 0.092 0.056 0.038 0.056	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.106 0.075 0.055 0.075	0.098 a) CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.080 0.095 0.121 0.121 0.121 0.195 0.074 0.095	0.117 /s] - Coil. (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.096 0.096 0.117 0.136 0.113 0.117 0.095 0.117	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.141           0.115           0.141           0.153           0.153           0.141           0.153           0.141           0.119           0.141	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.166           0.171           0.166           0.144	0.180 0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.193 0.190 0.190 0.193 0.171 0.193	1500 [708] 0.429 0.530 0.425 0.222 0.222 0.222 0.221 0.221 0.221 0.221 0.222 0.221 0.222 0.221 0.222 0.221 0.222 0.222 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.222 0.221 0.222 0.221 0.222 0.222 0.222 0.221 0.222 0.2200 0.222	1600 [755] 0.483  0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.252 0.252 0.208 0.252 0.208 0.252 0.232 0.232 0.232 0.252 0.231 0.252	1700 [802] 	0.281 1800 [850]        -	1900 [899 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36247STAM (-)CF36247STAM (-)CF36247STAM (-)CF36247STAM (-)CF36247STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93)  4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 7.60 (0.70) 7.60	14/3           Fins Per Inch / Rows Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           14/3           16/2           14/3	14	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2           2.5 - 3           3.5 - 4           5           2.5 - 3	0.036 tatic Pre fe00 f283 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.039 0.043 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.023 0.039 0.023 0.039 0.023	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.043 0.043 0.043 0.043 0.039 0.023 0.023 0.023	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.056 0.092 0.056 0.038 0.056 0.038	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.066 0.075 0.055 0.075 0.055	0.098 a) CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.095 0.080 0.095 0.121 0.121 0.121 0.095 0.121 0.121 0.095 0.074 0.095 0.074 0.095 0.074	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.096 0.117 0.136 0.1136 0.117 0.095 0.117 0.095	Only           1200           [566]           0.288           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141           0.153           0.153           0.141           0.153           0.141           0.153           0.141           0.119	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.166           0.171           0.166           0.144	0.180 0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.158 0.158 0.193 0.190 0.190 0.193 0.171 0.193 0.171	1500 [708] 0.429 0.530 0.425 0.422 0.222 0.222 0.221 0.221 0.221 0.221 0.221 0.221 0.222 0.221 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.222 0.221 0.222 0.221 0.222 0.222 0.222 0.221 0.222 0.221 0.222 0.221 0.222 0.2210 0.222 0.222 0.2210 0.222 0.2210 0.2210 0.222 0.2200 0.222 0.2200 0.222 0.2200 0.222 0.2200 0.2220 0.2200 0.2220 0.2200 0.2220 0.2200 0.2200 0.22200 0.22200000000	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.252 0.252 0.208 0.252 0.208 0.252 0.232 0.232 0.232 0.252 0.231 0.252 0.231	1700 [802] 	0.281  1800 [850]	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM (-)CF0 (-)CF24114STAM (-)CF24114STAM (-)CF24117STAM (-)CF24117STAM (-)CF24117STAM (-)CF3617STAM (-)CF3617STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF36217STAM (-)CF3624STAM (-)CF3624STAM (-)CF3624STAM (-)CF3624STAM (-)CF3624STAM (-)CF4824STAM (-)CF4824STAM (-)CF4824STAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93)  4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 7.60 (0.70) 7.60	14/3           Fins Perfinch / Rows           Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           14/3           16/2           14/3           16/2           14/3	14 17 21	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2           2.5 - 3           3.5 - 4           5           2.5 - 3	0.036 tatic Pre fe00 f283 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.023 0.039 0.023 0.023 0.023 0.023	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.043 0.043 0.043 0.043 0.043 0.043 0.039 0.043 0.043 0.039 0.023 0.02 0.02	0.065 0.065 (Inchess 800 [378] 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.056 0.053 0.056 0.092 0.056 0.092 0.056 0.038 0.056 0.038 0.038	0.081 W.C.) [kl 900 [425] 0.176 0.190 0.190 0.190 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.055 0.055 0.055 0.055	0.098 a) CFM [L 1000 [472] 0.210 0.235 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.095 0.080 0.095 0.121 0.121 0.095 0.121 0.121 0.095 0.074 0.095 0.074 0.095 0.074 0.074 0.074	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.096 0.117 0.136 0.1136 0.117 0.095 0.117 0.095 0.095	Only           1200           [566]           0.288           0.338           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.141           0.115           0.141           0.153           0.153           0.141           0.153           0.141           0.119           0.141	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.166           0.171           0.166           0.144           0.166           0.144	0.180 0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.193 0.158 0.158 0.193 0.190 0.190 0.193 0.171 0.193	1500 [708] 0.429 0.530 0.530 0.425 0.222 0.222 0.222 0.221 0.221 0.221 0.221 0.221 0.222 0.222 0.221 0.221 0.222 0.221 0.222 0.221 0.222 0.221 0.222 0.222 0.222 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.222 0.222 0.222 0.222 0.222 0.222 0.222 0.220 0.222 0.220 0.222 0.220 0.222 0.220 0.222 0.2200 0.2200 0.20000 0.20000 0.200000000	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.252 0.252 0.252 0.208 0.252 0.208 0.252 0.232 0.232 0.232 0.252 0.231 0.252 0.231	1700 [802] 	0.281  1800 [850]	1900 [897 
(-)CF6024MEAM (-)CF6024MEAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF2417STAM (-)CF3617STAM (-)CF3617STAM (-)CF36217STAM (-)CF2421MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621MTAM (-)CF3621TAM (-)CF3621STAM (-)CF3621STAM (-)CF3621STAM (-)CF3624MTAM (-)CF3624MTAM (-)CF3624MTAM (-)CF3624MTAM (-)CF3624MTAM (-)CF3624MTAM	1400/1800 [661/755] Approx. Design Furnace Airflow Range CFM/[L/s] 600/1600 [283/755] 600/1500 [283/755] 600/1500 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1600 [283/755] 600/1900 [283/896] 600	9.98 (0.93)  4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 4.56 (0.42) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 5.70 (0.52) 7.60 (0.70) 7.60	14/3           Fins Perfinch / Rows           Deep           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           16/2           13/3           16/2           13/3           16/2           13/3           16/2           14/3           16/2           14/3	14 17 21	Dry Coil S           Nominal Capacity           1.5 - 2           2.5 - 3           1.5 - 2           2.5 - 3           3.5 - 4           5           2.5 - 3	0.036 tatic Pre fe00 f283 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.039 0.043 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.043 0.039 0.023 0.039 0.023 0.039 0.023	0.050  ssure Dro (330) 0.118 0.116 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.101 0.039 0.043 0.043 0.043 0.043 0.043 0.043 0.043 0.039 0.023 0.023 0.023	0.065 <b>800</b> <b>(Inchess</b> <b>800</b> <b>(378)</b> 0.145 0.151 0.151 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.129 0.092 0.129 0.056 0.053 0.056 0.092 0.056 0.038 0.056 0.038	0.081 <b>W.C.) [kl</b> 900 [425] 0.176 0.190 0.190 0.190 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.161 0.075 0.075 0.066 0.075 0.066 0.075 0.055 0.075 0.055	0.098 a) CFM [L 1000 [472] 0.210 0.235 0.235 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.196 0.095 0.095 0.080 0.095 0.080 0.095 0.121 0.121 0.095 0.121 0.121 0.095 0.074 0.095 0.074	0.117 /s] - Coil- (519) 0.247 0.284 0.284 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.235 0.117 0.096 0.117 0.136 0.1136 0.117 0.095 0.117 0.095	Only           1200           [566]           0.288           0.338           0.277           0.277           0.277           0.277           0.277           0.277           0.277           0.153           0.277           0.115           0.141           0.153           0.153           0.141           0.153           0.141           0.153           0.141           0.119	1300           [614]           0.332           0.397           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.323           0.171           0.323           0.166           0.135           0.166           0.171           0.166           0.171           0.166           0.144	0.180 0.180 1400 [661] 0.379 0.461 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.373 0.190 0.373 0.158 0.158 0.193 0.190 0.190 0.193 0.171 0.193 0.171	1500 [708] 0.429 0.530 0.425 0.422 0.222 0.222 0.221 0.221 0.221 0.221 0.221 0.221 0.222 0.221 0.222 0.222 0.221 0.222 0.222 0.222 0.222 0.222 0.221 0.222 0.221 0.222 0.222 0.222 0.221 0.222 0.221 0.222 0.221 0.222 0.2210 0.222 0.222 0.2210 0.222 0.2210 0.2210 0.222 0.2200 0.222 0.2200 0.222 0.2200 0.222 0.2200 0.2220 0.2200 0.2220 0.2200 0.2220 0.2200 0.2200 0.22200 0.22200000000	1600 [755] 0.483 — 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.482 0.232 0.482 0.252 0.252 0.208 0.252 0.208 0.252 0.232 0.232 0.232 0.252 0.231 0.252 0.231	1700 [802] 	0.281  1800 [850]	1900 [897 

[ ] Designates Metric Conversion IMPORTANT NOTE: Gas furnace heating CFM can exceed the design cooling CFM. Ductwork and coil selection must accommodate the higher of the cooling or gas heating CFM to prevent furnace limit tripping, excessive noise, and coil freeze-up.

# **3.0 INSTALLATION**

#### **3.1 APPLICATIONS**

(-)CF cased coils can be applied in upflow, downflow, horizontal right and horizontal left applications without modifications. (-)CF uncased coils can only be applied in upflow and downflow applications as received (see Table 2 and Figure 3). For horizontal applications of uncased replacement coils, installation of a horizontal drip shield and water management parts from old coil is required or an RXHH Horizontal Adapter Kit may be used. (See Section 5.2: Horizontal Adapter Kit.)

For coils that are **two** sizes larger than the furnace, for example, a 21" wide coil on a 14" furnace, a tapered adaptor with a minimum height of 6" is required to evenly distribute airflow. See Figure 5. For coils that are **one** size larger than the furnace; for example a 21" wide coil on a  $17\frac{1}{2}$ " furnace, seal the gap between the two units with sheet metal, or use the specified adapter kit (RXBA-AC). See Figure 6.

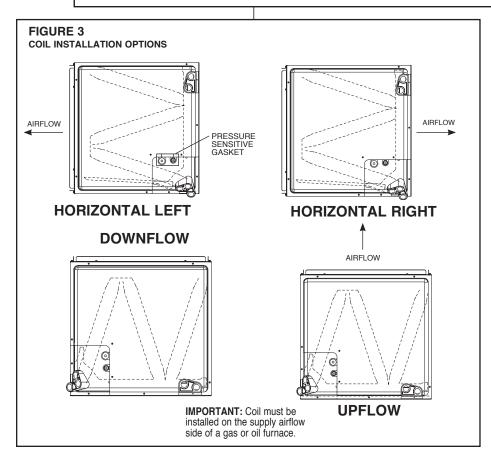
## CAUTION

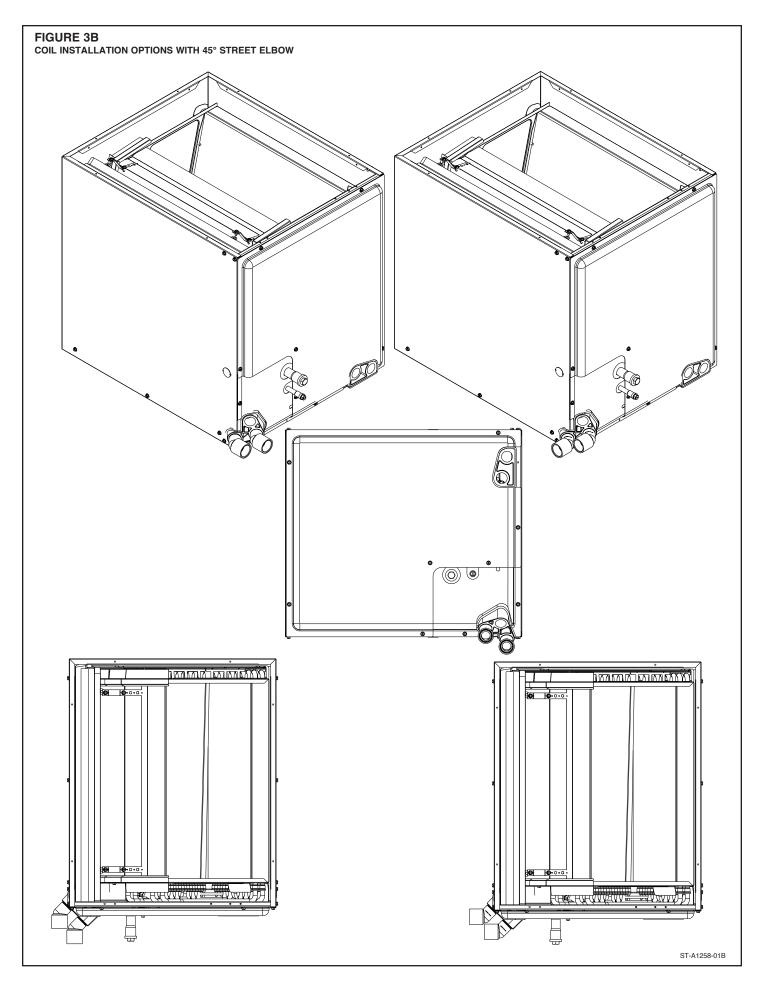
For horizontal applications, the horizontal drain pan must be located under the indoor coil. Failure to place the pan under the coil can result in property damage.

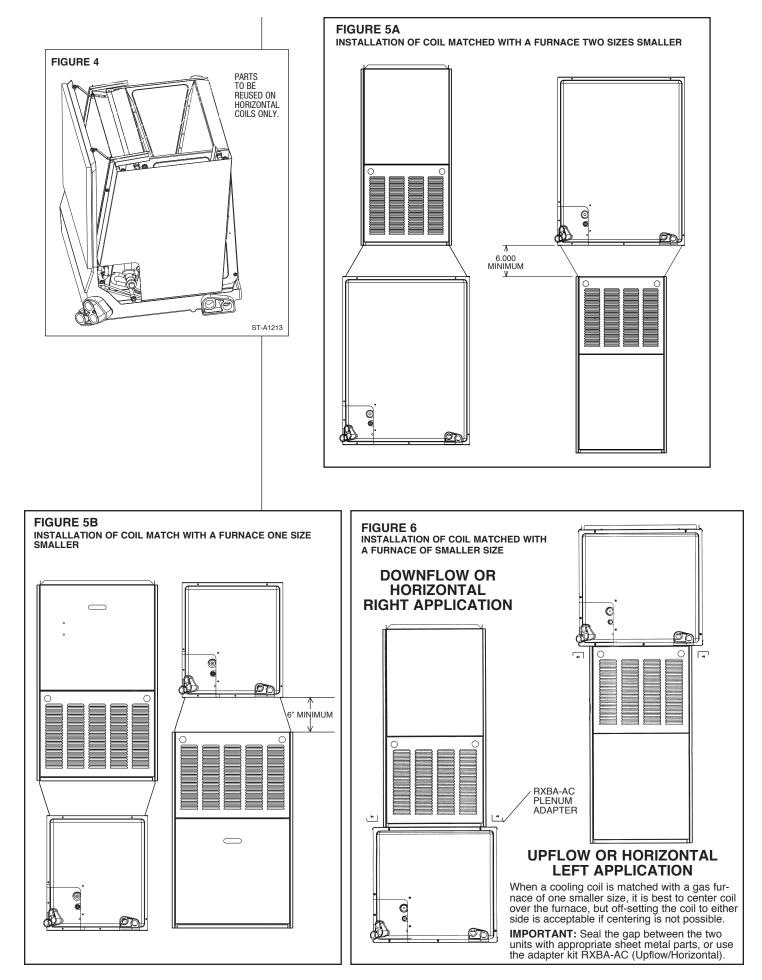
#### TABLE 2 COIL APPLICATION

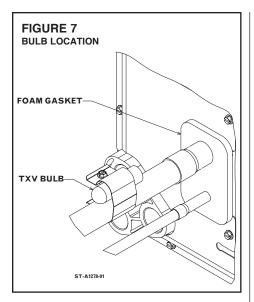
Coil Model (-)CF	Furnace Width (In.) [mm]			
	Oil*	Gas		
2414S 2417S 2417M 3617S 2417H	_	14 [356]		
2417S 2417M 3617S	17 [431]	17½ [444]		
2417H	17 [401]	14 [356]		
2421M 2421U 3621S 3621M 4821S	21 [533]	21 [533]		
2421H 4821S 3621H 4821M 6021S	21 [000]	17½ [444]		
3624H 4824H 6024H 3624M	241/2 [622]	241⁄2 [622]		
6024S 4824S		21 [533]		

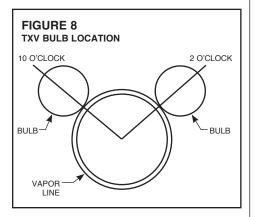
\*Due to the proximity of the drain pan to the high temperature oil furnace drum, horizontal left application is NOT permitted on all oil furnaces.











#### **3.2 REFRIGERANT CONNECTIONS**

Keep the coil connections sealed until refrigerant connections are to be made. See the Installation Instructions for the outdoor unit for details on line sizing, tubing installation, and charging information.

Coil is shipped with a low pressure (5 - 10 PSIG) charge of dry nitrogen. Evacuate the system before charging with refrigerant.

Install refrigerant tubing so that it does not block service access to the front of the unit.

Nitrogen should flow through the refrigerant lines while brazing.

Use a brazing shield to protect the cabinet's paint from being damaged by torch flames.

After the refrigerant connections are made, seal the gap around the connections with pressure sensitive gasket. If necessary, cut the gasket into two pieces for a better seal (See Figure 3.)

#### 3.3 TXV SENSING BULB (TXV COILS ONLY)

IMPORTANT: DO NOT perform any soldering with the TXV bulb attached to any line.

After soldering operations have been completed, clamp the TXV bulb securely on the suction line at the 10 to 2 o'clock position with the strap provided in the parts bag. (See Figures 7 & 8)

Insulate the TXV sensing bulb and suction line with the provided pressure sensitive insulation (size 4" x 7") and secure with provided wire ties.

IMPORTANT: TXV sensing bulb should be located on a horizontal section of copper suction line, just outside of coil box and past the braze joint. The copper sensing bulb must never be placed on any aluminum tube as this will result in galvanic corrosion and eventual failure of the aluminum tube.

#### 3.4 ELECTRONIC EXPANSION VALVE (EXV)

EXV equipped coils have a noncommunicating, stand-alone EXV control. One of the biggest advantages of an EXV is the control can intelligently regulate the refrigerant flow based on system demands other than just vapor line temperature and pressure. By the measurement of the suction pressure via the vapor line pressure transducer (factory installed) and the vapor line thermister (field connected to the vapor line, but factory provided) the EXV control calculates the suction superheat at the indoor coil. This calculation permits the EXV control to open or close the electronic expansion valve to maintain a predetermined suction superheat. The electronic valve is equipped with a 4-pole removable external stator, and inlet and outlet Chatleff fittings for optimal serviceability. The EXV also has an internal check valve to provide heat pump compatibility. When operating in heating mode, the air handler control will open the electronic valve completely to permit the check valve to open and maximize reverse refrigerant flow.

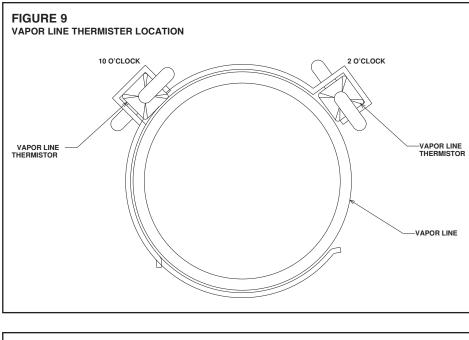
#### 3.5 EXV VAPOR LINE THERMISTER (EXV COILS ONLY)

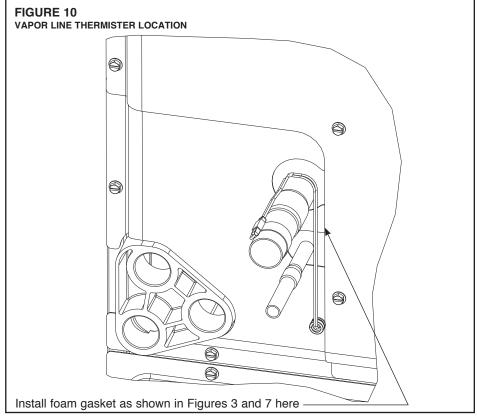
**IMPORTANT:** DO NOT perform any brazing with the vapor line thermister attached to any line. After brazing operations have been completed, clamp the vapor line thermister securely on the vapor line at the 10 to 2 o'clock position (See Figures 9 & 10) with the clip provided on the thermister. Insulate the vapor line thermister and vapor line with the provided pressure sensitive insulation (size 4" x 7") and secure with provided wire ties or simply slide the vapor line insulation over the thermistor until it contacts the coil cabinet and secure insulation with a wire tie to keep it in place.

Make sure to protect the EXV pressure transducer, vapor thermister, copper to aluminum joint, and service valves from overheating by use of wet rag or some type of shielding. Double tip torches are not recommended.

IMPORTANT: Vapor line thermister should be located on a horizontal section of vapor line, just outside of coil box and past the braze joint. The copper thermister must never be placed on any aluminum tube as this will result in galvanic corrosion and eventual failure of the aluminum tube.

IMPORTANT: Never place the thermister on the heat effected zone near the braze connection, but it should be located within 6" of the indoor unit.





#### 3.6 FACTORY PROGRAMMED SUPERHEAT (EXV COILS ONLY)

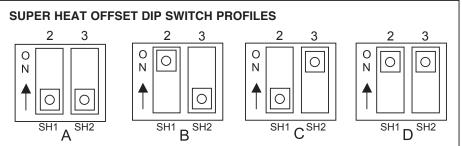
The stand alone EXV control is set at the factory for  $10^{\circ}$ F superheat. The following DIP switch settings must be set at the time of coil installation, using DIP switches 2 & 3 on the EXV control.

Air Handler	Outdoor Unit	Superheat	DIP Switch Settings		
		(°F)	2	3	
RCF2417SE	RP1724	6	ON	OFF	
RCF2421ME	RA1724, RA2024, RP2024	6	ON	OFF	
RCF3617SE	RP1736	6	ON	OFF	
RCF3621ME	RA1736	8	OFF	ON	
RCF6021SE	RA1748 RA2036, RA2048, RA2060 RP2036, RP2048, RP2060	6	ON	OFF	
RCF6024ME	RA1660	6	ON	OFF	

#### 3.7 SUPERHEAT OFFSET DIP SWITCH SETTINGS (EXV COILS ONLY)

Although the above superheat set point is considered to be the most efficient set point for each coil, installation conditions can drastically effect the measurement of superheat by the EXV control. For this reason the following DIP switch settings have been provided to enable flexibility for various installation conditions.

Superheat Offset Selection Profile	Superheat Setting (°F)
А	10
В	6
С	8
D	12



#### 3.8 EXV STEP DIP SWITCH (EXV COILS ONLY)

DIP switch 1 (SS) on the EXV control is factory set for a 500 step EXV (OFF position), but can be switched to the ON position for a 1600 step EXV. This DIP switch must be in the 500 step position only. The DIP switch makes the EXV control forward compatible with a 1600 step EXV for possible future use.

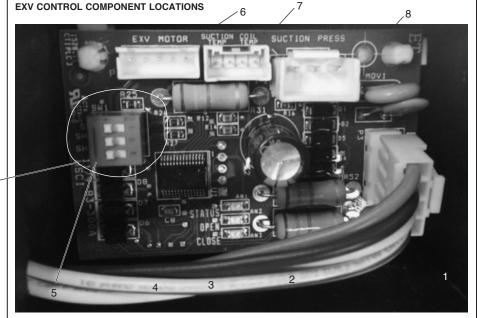
#### 3.9 EXV DIAGNOSTICS (EXV COILS ONLY)

There are 2 LEDs (green/yellow) on the EXV control which indicate valve movement. When the green LED is illuminated, the control is moving the valve in the open direction. When the yellow LED is illuminated, the control is moving the valve in the closed direction. When neither LED is illuminated, the valve is not being moved by the control. In addition to the diagnostic lights on the control, it is possible to feel the coil on the EXV pulse when the control is attempting to change the EXV position.

Red Status LED # of Blinks	Fault
1	Only suction temperature valid – suction pressure nor coil temperature are valid
2	No Valid Suction Temperature
3	Valve near open position
4	Suction pressure out of range

#### 3.10 EXV CONTROL (EXV COILS ONLY)

#### FIGURE 11

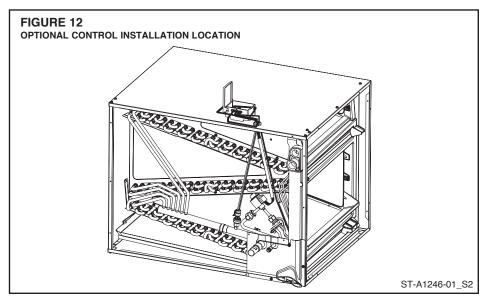


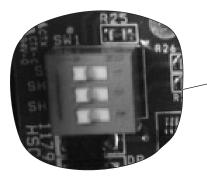
- 1. Thermostat Connection
- 2. Yellow LED (close)
- 3. Green LED (open)
- 4. Red LED (status)
- 5. Dip Switch (EXV steps, 2 & 3 SH adjustment dip switch)
- 6. Electronic Expansion Valve Connection 7. Suction and Coil Thermistor Connection
- 8. Suction Pressure Transducer Connection

#### 3.11 EXV CONTROL OPTIONAL MOUNTING LOCATIONS

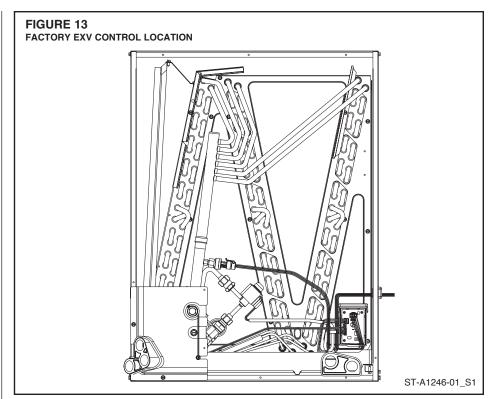
The EXV control and housing is factory installed behind the front access panel just above the right drain connections. This location has been tested and approved for long term operation inside the highly humid environment. For servicing the EXV control without removing the coil door or to see the operational lights while the system is in operation, an alternate control and housing location is approved. The mounting location will require the wiring harnesses to be disconnected from the control, the control removed from the housing and the housing mounting screws removed. The wires will need to be routed through the knockout (there is one knockout per side) and then the assembly reassembled externally to the side of the coil case.

**IMPORTANT:** It is recommended to place aluminum tape over the screw holes in the coil end plate for the factory control mounting position to prevent air bypass.



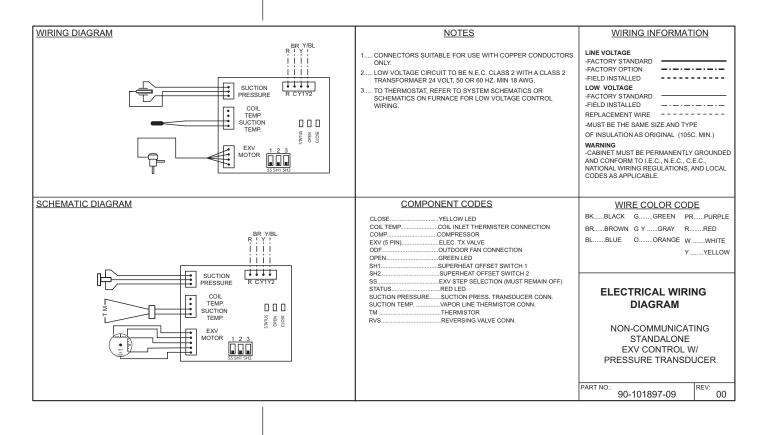


**NOTE:** Switches are in "OFF" position from the factory.



#### 3.12 EXV WIRING (EXV COILS ONLY)

For proper operation the EXV control requires 24VAC power and staged operation thermostat signals. The following diagram should be used to connect the leads provided with the cased coil to the thermostat wiring. When employed with the EcoNet<sup>™</sup> Communicating System attach the leads provided with the coil to the conventional 24VAC thermostat terminals on the EcoNet<sup>™</sup> furnace control board.



#### 3.13 FLOW CHECK PISTON (PISTON COILS ONLY)

#### **NOTICE**

FOR PROPER SYSTEM OPERATION, IT MAY BE NECESSARY TO REPLACE THE PISTON INSTALLED IN THE INDOOR COIL. CHECK THE SERVICE VALVES ON THE OUTDOOR UNIT TO SEE IF A NOTICE TAG ALONG WITH A PLASTIC BAG CONTAINING A PISTON IS ATTACHED. IF ONE IS PRES-ENT A CHANGE OF THE PISTON IS REQUIRED. FAILURE TO CHANGE THE PISTON CAN RESULT IN IMPROPER PERFORMANCE OF THE SYSTEM.

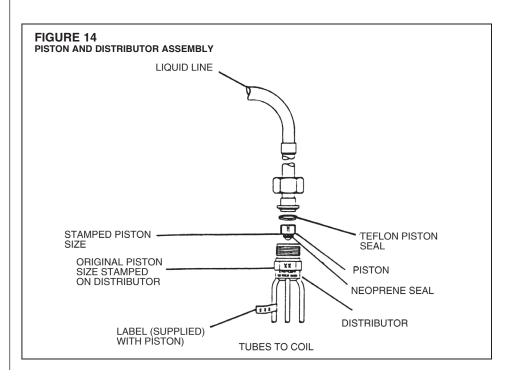
The flow check piston is a multi-purpose device. With flow into the compression nut end from the liquid line, the piston is in a check position and acts as the expansion device with flow through the metering orifice in the center of the piston. The "O" ring on the end of the piston prevents refrigerant from bypassing the metering orifice. Flow from the metering orifice is centered into a distributor which serves to evenly distribute refrigerant to the evaporator circuits. With flow in the reverse direction (direction of arrows on the distributor body), the piston is forced off the seat and liquid from the condenser is allowed to free flow around the piston.

It is essential that the heat pump indoor and outdoor sections be properly matched. Use only matched components as shown in sales specification sheets.

A piston size that is too small will cause starving and one that is too large will cause flooding. In either case, system performance, reliability and charge balance (heating and cooling) will be unacceptable.

Change the piston in the distributor on the indoor coil before installing the coil and charging the system following the procedure below:

- Using a back-up wrench on the distributor body, loosen the compression nut to gain access to the piston.
- Using the wire provided with replacement pistons, run (hooked end) through hole in piston.
- Hook nose end of piston and lift gently from distributor body.
- Replace piston with one of proper size (see Table 4), install piston with gasket end of piston in distributor. Do not force piston into distributor.
- **NOTE:** With piston in distributor, seal end should be down and should not be seen looking in end of distributor. Piston must be free to rotate and move up and down. Make sure piston is free to move in distributor body.
- · Insure distributor gasket is located properly in the distributor body.
- Replace compression nut using back-up wrench on distributor body. Torque compression nut end with 8 to 10 ft. lbs.



16

- Original piston size is stamped on outside of distributor body. Remove new piston size label from poly bag new piston came in and install new size label on outside of distributor tube.
- Check fittings for leaks after installation, evacuation and charging is complete.

**IMPORTANT:** Do not attempt to drill pistons to size in the field. Metering holes have a special chamfered inlet and cannot be modified.

**IMPORTANT:** Do not replace the neoprene "O" ring on the piston with any type of seal. Contact the parts department for the exactly replacement of "O" ring.

#### **3.14 CONDENSATE DRAIN TUBING**

Consult local codes or ordinances for specific requirements.

**IMPORTANT:** When making drain fitting connections to the drain pan, use a thin layer of Teflon paste, silicone or Teflon tape and install hand tight.

**IMPORTANT:** When making drain fitting connections to drain pan, do not overtighten. Overtightening fittings can split pipe connections on the drain pan.

- Install drain lines so they do not block service access to front of the unit. Minimum clearance of 24 inches is required for filter, coil or blower removal and service access.
- Make sure unit is level or pitched slightly toward primary drain connection so that water will drain completely from the pan. (See Figure 15.)
- Do not reduce drain line size less than connection size provided on condensate drain pan.
- All drain lines must be pitched downward away from the unit a minimum of 1/8" per foot of line to ensure proper drainage.
- Do not connect condensate drain line to a closed or open sewer pipe. Run condensate to an open drain or outdoors.
- The drain line should be insulated where necessary to prevent sweating and damage due to condensate forming on the outside surface of the line.
- Make provisions for disconnecting and cleaning of the primary drain line should it become necessary. Install a 3 in. trap in the primary drain line as close to the unit as possible. Make sure that the top of the trap is below connection to the drain pan to allow complete drainage of pan (See Figure 14).
- Auxiliary drain line should be run to a place where it will be noticeable if it becomes
  operational. Occupant should be warned that a problem exists if water should begin
  running from the auxiliary drain line.
- Plug the unused drain connection with the plugs provided in the parts bag, using a thin layer of teflon paste, silicone or teflon tape to form a water tight seal.
- Test condensate drain pan and drain line after installation is complete. Pour water into drain pan, enough to fill drain trap and line. Check to make sure drain pan is draining completely, no leaks are found in drain line fittings, and water is draining from the termination of the primary drain line.

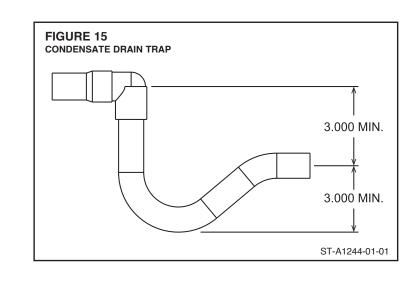


TABLE 3 HORIZONTAL ADAPTER KIT						
Coil Model	Horizontal Adapter Kit Model No.					
(-)CF2414STAVUA	RXHH-A01					
(-)CF2417STAVUA	RXHH-A02					
(-)CF2417SEAVUA	RXHH-A03					
(-)CF2417STAVUA	RXHH-A03					
(-)CF2421SEAVUA	RXHH-A03					
(-)CF2421STAVUA	RXHH-A03					
(-)CF3617SEAVUA	RXHH-A03					
(-)CF3617STAVUA	RXHH-A03					
(-)CF3621HTAVUA	RXHH-A06					
(-)CF3621MEAVUA	RXHH-A04					
(-)CF2421UEAVUA	RXHH-A06					
(-)CF3621STAVUA	RXHH-A03					
(-)CF3621STAVUA	RXHH-A04					
(-)CF3624STAVUA	RXHH-A04					
(-)CF4821STAVUA	RXHH-A04					
(-)CF4824STAVUA	RXHH-A04					
(-)CF6024STAVUA	RXHH-A05					
(-)CF2417HTAVUA	RXHH-A03					
(-)CF2421HTAVUA	RXHH-A03					
(-)CF3624HTAVUA	RXHH-A05					
(-)CF4821MTAVUA	RXHH-A06					
(-)CF4824HTAVUA	RXHH-A05					
(-)CF6021SEAVUA	RXHH-A06					
(-)CF6021STAVUA	RXHH-A06					
(-)CF6024MEAVUA	RXHH-A05					
(-)CF6024HTAVUA	RXHH-A05					
(-)CF2417SPAVUA	RXHH-A02					
(-)CF3617SPAVUA	RXHH-A03					
(-)CF3621SPAVUA	RXHH-A03					
(-)CF4821SPAVUA	RXHH-A04					
(-)CF4824SPAVUA	RXHH-A04					

#### 3.15 DUCT FLANGES

Field-installed duct flanges (4 pieces) are shipped with units. Install duct flanges as needed on top or bottom of the coil casing. (See Figure 16.)

## CAUTION

It is recommended that an auxiliary/secondary drain pan be installed under units containing evaporator coils that are located in any area of a structure where damage to the building or building contents may occur as a result of an overflow of the coil drain pan or a stoppage in the primary condensate drain piping.

#### 3.16 COIL END SHIELDS

All uncased replacement coils come equipped from the factory with sheet metal shields at the front and rear of the coil. The purpose of these shields is to isolate the aluminum tubing from copper residue left on the foil insulation by the original copper tube coil. Copper residue or copper oxide in contact with the aluminum tubing in the presence of moisture will result in galvanic corrosion and leaks in the aluminum tube at the contact point. The shields must be in place on the coil when replacing a copper tube coil to prevent the galvanic corrosion.

# 4.0 MAINTENANCE

## **WARNING**

These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit. Read these instructions thoroughly before attempting installation or operation. Failure to follow these instructions may result in improper installation, adjustment, service or maintenance possibly resulting in fire, electrical shock, property damage, personal injury or death.

For continuing high performance and to minimize possible equipment failure, it is essential that annual maintenance be performed on this equipment. Consult your local dealer as to the availability of a maintenance contract.

## 4.1 AIR FILTER

Check the system filter every ninety days or as often as found to be necessary and if obstructed, clean or replace at once.

**IMPORTANT:** Do not operate the system without a filter in place.

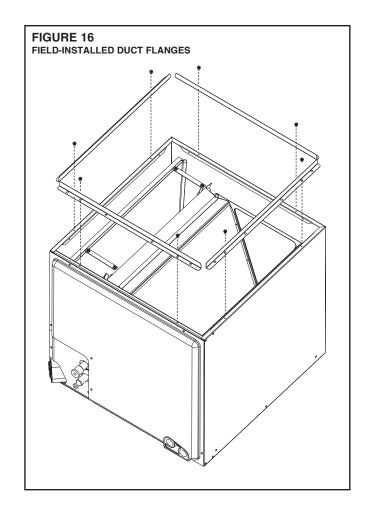
## 4.2 INDOOR COIL - DRAIN PAN - DRAIN LINE

Inspect the indoor coil, drain pan, and drain line once each year for cleanliness and clean as necessary. Be sure to check the finned surface on the return side of the coil. It may be necessary to remove the air-filter and use a mirror and flashlight to view the return side of the coil.

**Note:** A proper filter is the best defense against a dirty coil. Regardless of the filter choice, proper air flow and velocity also play a crucial role in how effective a filter will be. Most filters will lose their effectiveness when face velocities exceed 300 - 400 feet per minute. Excessive air velocity can allow particles to pass right through the media. Additionally, loaded or restrictive filters may lose their shape in higher air velocity applications and allow unfiltered air to bypass the filter altogether around the sides.

IMPORTANT: Coil and Drainpan Cleaning Method

Clean the finned surface of the indoor coil by rinsing the coil from both sides with clean warm water and/or with a vacuum with a soft brush attachment to remove accumulated contaminants and lint. It is important not to allow the tool to damage or bend the fins. Many chemical cleaners will attack the aluminum tubes which can cause refrigerant leaks. Therefore, use only clean warm water for cleaning aluminum tube evaporator coils. Do not use caustic household drain cleaners or bleach in the condensate pan or near the indoor coil as they will damage the aluminum fins and tubes.

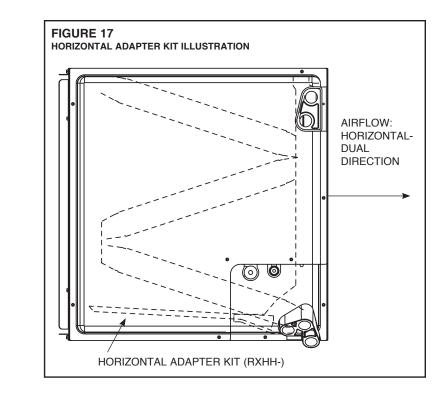


#### **5.0 ACCESSORIES** 5.1 PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 24-1/2" wide cased indoor cooling and heat pump coils. This allows a 24-1/2 wide cased coil to be installed on a 28" wide oil furnace. This is a field-installed accessory only.

#### RXBA-AC

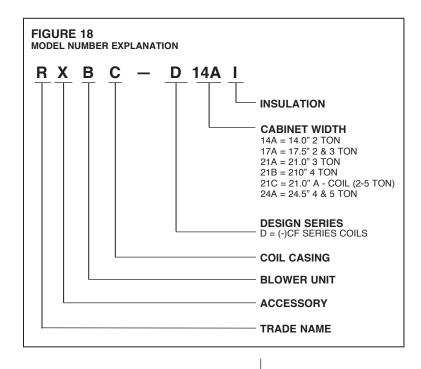
This plenum adapter accessory is for installation on cased indoor cooling and heat pump coils. This allows a nominal size cased coil to be installed on the next smaller size gas or oil furnace. **NOTE: This accessory is for installation on coil casings to fit gas or oil furnaces only - this accessory must not be used on electric furnaces or heat pump air handlers.** Consult the installation instructions packaged with the accessory for proper installation.



#### 5.2 HORIZONTAL ADAPTER KIT RXHH- (See Figure 17)

This horizontal adapter kit is used to convert an upflow or downflow coil for a horizontal application. See Table 3 to order the proper horizontal adapter kit.

#### 5.3 EMPTY INDOOR COIL CASING RXBC - (See Figure 18 & Table 4)



#### TABLE 4 UNIT DIMENSIONS & WEIGHTS - RXBC- INDOOR COIL CASINGS

Model	Width (in)			Unit V	Veight	Supply Air / Retu	urn Air Openings
Number	[mm]	Height (in) [mm]	Depth (in) [mm]	Weight (lbs) [kg]	Ship Wt (lbs) [kg]	Width (in) [mm]	Depth (in) [mm]
RXBC-D17AI	(17 1/2) [445]	(20) [508]		(18) [8]	(23) [10]	(16 1/2) [419]	
RXBC-D21AI	(21) [533]	(20) [508]		(20) [9]	(26) [12]		
RXBC-D21BI	(21) [533]	(28) [711]	(21 5/8) [549]	(28) [64]	(34) [77]	20 [508]	(19 31/32) [507]
RXBC-D21CI	(21) [533]	(34 1/2) [876]		(33) [75]	(39) [88]		
RXBC-D21AI	(24 1/2) [622]	(32 1/2) [826]	1	(34) [15]	(44) [20]	(23 1/2) [597]	

#### **5.4 UNCASED COIL ADAPTER KIT**

#### RXBA- (See Figure 19 & 20)

This kit is used to adapt an uncased coil to a furnace or ductwork. See Table 5 for model numbers. Each kit contains a quantity of 20 adapters.

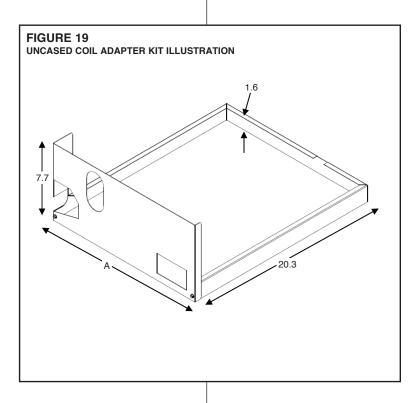
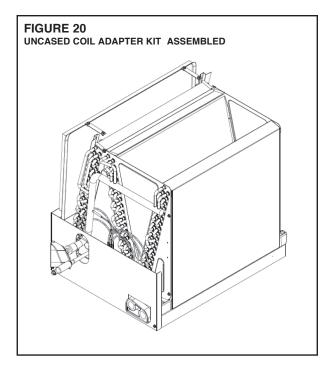


TABLE 5 UNCASED COIL ADAPTE	ER KIT	
Uncased Coil Adapter Model Number RXBA	A Width In.	Uncased Coil Model (-)CF
B14x20	13.1	**14
B17x20	16.6	**17
B21x20	20.1	**21
B24x20	23.6	**24



**NOTE:** Sliding the coil into the coil rail before attaching coil rack front.

#### 5.5 R-22 TXV CONVERSION KITS

#### To be used to convert R-410A coil to operate with R-22

FURNACE COIL CROSS REFERENCE CHART						
ORIGINAL COIL	RECOMMENDED ALUMINUM TUBE REPLACEMENT COIL	R-22 TXV CONVERSION KIT MODEL NO.				
(-)CFA-**2414	(-)CF2414STA	RXCT-HBA				
(-)CFA-**2417	(-)CF2417STA	RXCT-HBA				
(-)CFA-**3617	(-)CF3617STA, (-)CF2417MTA, or (-)CF2417HTA/(-)CF3621H	RXCT-HBB				
(-)CFA-**3621	(-)CF3621STA, (-)CF2421MTA, or (-)CF2421HTA/(-)CF3621H	RXCT-HBB				
(-)CFA-**4821	(-)CF4821STA or (-)CF3621MTA/(-)CF4821M	RXCT-HBC				
(-)CFA-**4824	(-)CF4824STA or (-)CF3624MTA/(-)CF4821M	RXCT-HBC				
(-)CFA-**6024	(-)CF6024STA, (-)CF6024HTA, (-)CF4824HTA, or (-)CF3624HTA/(-)CF6021S	RXCT-HBD				

\*\*= AU, HM, OR HU