58TN0A/58TN1A Infinity[®] 80 Two-Stage, 80% AFUE, Variable Speed, 4-Way Multipoise, Gas Furnace



Product Data

PERFORMANCE

- Infinity System-match with the Infinity Control for Infinity System benefits
- · Variable-speed, constant airflow ECM blower motor
- Increased SEER ratings for AC and HP systems when paired with select Carrier evaporator coil as compared to standard coil-only ratings.
- Two-stage gas valve and ComfortHeat® Technology Intelligent microprocessor control
- Very low operating sound through low-stage operation and QuieTech[™] system
- Integral part of the IdealHumidity System Maximum dehumidification selection for summer time cooling Full IdealHumidity benefits including "Super Dehumidify mode" SmartEvapTM-Humidity control when using a ThermidistatTM/Infinity control
- Power Heat[™] Igniter
- Microprocessor based control center Enhanced diagnostics with LED and reflective sight glass Stores fault codes during power outages Adjustable heating air temperature rise Adjustable cooling airflow
- · Draft Safeguard switch designed to ensure proper furnace venting
- Insulated blower compartment
- · Inner blower door for tighter sealing

INSTALLATION FLEXIBILITY

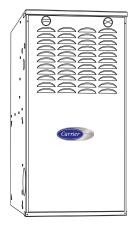
- 4-way Multipoise furnace, 13 vent applications
- Compact design only 33-1/3 in. (847 mm) tall

APPLICATIONS

- HYBRID HEAT® Dual Fuel System compatible
- · All models are chimney friendly when used with accessory vent kit
- Comfort Fan[™] Up to 12 cooling airflow selections from thermostat with a wide range of capability
- Two-stage heating with single-stage thermostat with patented Adaptive Control Technology

CERTIFICATION

• Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193



A190080

THE INFINITY® 80 GAS FURNACE

The Infinity[®] 80 Variable-Speed, 4-way Multipoise Gas Furnaces offer unmatched comfort with ComfortHeat[®] and IdealHumidity[®] technologies in an 80% AFUE gas furnace. You get all the benefits of a ComfortHeat technology furnace: reduced drafts, reduced sound levels, longer cycles, less temperature swings between cycles, and less temperature differences between rooms. With the variable speed blower motor, homeowners can economically run constant fan to help eliminate temperature differences throughout the house and to get better indoor air quality. This furnace with IdealHumidity technology also increases comfort in the summer by wringing out extra humidity when needed. The Infinity 80 furnaces are approved for use with natural or propane gas, and the 58TN1 models can be installed in California air quality management districts with a 40 ng/J NOx emissions limit.

Carrier Infinity® System When the Infinitys 80 variable-speed gas furnace is matched with the Infinity 80 Control and Infinity 80 air conditioner or heat pump, you will experience the ultimate in ComfortHeat and IdealHumidity through unparalleled control of temperature, humidity, indoor air quality, and zoning. The Carrier Infinity System also provides unprecedented ease of use through on-screen, text-based service reminders and equipment malfunction alerts.

INFINITY SERIES





A210062

SPECIFICATIONS

Unit	Size		045C1712	070C1412	070C1716	070C2120		
RATINGS AND PERFORMANCE				•				
Input Btuh [*]	All Standard, Low NOx	High	44,000	66,000	66,000	66,000		
Nonweatherized ICS	Upflow	Low	29,000	43,500	43,500	43500		
Input Btuh [*]	All Low NOx Downflow/	High	42,000	63,000	63,000	63,000		
Nonweatherized ICS	Horizontal	Low	29,000	43,500	43,500	43500		
Output Capacity (Btuh)	All Standard, Low NOx	High	35,000	54,000	53,000	53,000		
Nonweatherized ICS [†]	Upflow	Low	23,000	35,000	35,000	35,000		
Output Capacity (Btuh)	All Low NOx Downflow/	High	34,000	51,000	51,000	51,000		
Nonweatherized ICS [†]	Horizontal	Low	23,000	35,000	35,000	35,000		
AFUE				80	%	-		
			30-60	30-60	25-55	25-55		
		High	(17-33)	(17-33)	(14-30)	(14-30)		
Certified Temperature Rise Range - °I	- (°C)	Low	20-50	30-60	15-45	15-45		
		Low	(11-28)	(17-33)	(8-25)	(8-25)		
Certified External Static Pressure		Heat/Cool	0.10/0.50	0.12/0.50	0.12/0.50	0.12/0.50		
Airflow CFM [‡]		ng High/Low	730/605	1160/735	1245/1040	1195/1085		
		Max Cooling	1345	1395	1380	2150		
ELECTRICAL								
Unit Volts-Hertz-Phase				115-				
Operating Voltage Range	Min/Max			104				
Maximum Unit Amps			9.00	9.00	9.80	14.10		
Maximum Wire Length (Measure 1 W	ay in Ft. (M))		30 (9.4)	30 (9.4)	28 (8.7)	31 (9.5)		
Minimum Wire Size	、**		14	14	14	12		
Maximum Fuse or Ckt Bkr Size (Amp	s)		15	15	15	20		
Transformer (24v)					va			
External Control	Heating				va			
Power Available	Cooling				va			
Air Conditioning Blower Relay CONTROLS				Stan	dard			
Limit Control				SP	от.			
Heating Blower Control					me Operation			
Burners (Monoport)			2	3	3	3		
Gas Connection Size			Z	1⁄2-in.	-	5		
GAS CONTROLS				/2-111.				
	Mfr.			WhiteR	odaers			
Gas Valve	Min. inlet pressure (I	n. W.C.)		4.5 (Nati				
(Redundant)	Max. inlet pressure (I			13.6 (Nat				
Ignition Device	, (.	- /		(urface			
Factory installed orifice			Size 43					
BLOWER DATA								
Direct-Drive Motor HP (ECM)			1/2	1/2	1/2	1		
Motor Full Load Amps			7.7	7.7	8.5	12.8		
RPM (Nominal)			1200	1200	1200	1200		
Blower Wheel Diameter x Width - In.	(mm)		11 x 8	10 x 6	11 x 8	11 x 10		
Biener Milder Blameter x Math - In.	()		(279x203)	(254x152)	(279x203)	(254x279)		

*. Gas input ratings are certified for elevations to 2000 ft. (610 M) In USA for elevations above 2000 ft (610 M), reduce ratings 4 percent for each 1000 ft (305 M) above sea level. Refer to National Fuel Gas Code NFPA 54/ANSI Z223.1 or furnace installation instructions

†. Capacity in accordance with U.S. Government DOE test procedures.

Airflow shown is for bottom only return air supply for Max Cooling Airflow and heating airflows (efficiency setting) at certified external static pressure. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return air supply. An airflow reduction of up to 7 percent may occur.

**. Time-delay type is recommended.

ICS Isolated Combustion System

SPECIFICATIONS (continued)

Unit	Size		090C1716	090C2120	110C2120	135C2422	
RATINGS AND PERFORMANCE					•	•	
Input Btuh [*]	All Standard, Low NOx	High	88,000	88,000	110,000	132,000	
Nonweatherized ICS	Upflow	Low	58,000	58,000	72,500	87,000	
Input Btuh [*]	All Low NOx Downflow/	High	84,000	84,000	105,000	126,000	
Nonweatherized ICS	Horizontal	Low	58,000	58,000	72,500	87,000	
Output Capacity (Btuh)	All Standard, Low NOx	High	71,000	71,000	89.000	107,000	
Nonweatherized ICS [†]	Upflow	Low	47,000	47,000	59,000	70,000	
Output Capacity (Btuh)	All Low NOx Downflow/	High	68,000	68,000	85,000	102,000	
Nonweatherized ICS [†]	Horizontal	Low	47.000	47,000	59,000	70,000	
AFUE	TionZonitar	LOW	47,000	80	,	70,000	
			40-70	25-55	40-70	40-70	
		High	(22-39)	(14-30)	(22-39)	(22-39)	
Certified Temperature Rise Range - °F	- (°C)		30-60	15-45	25-55	25-55	
		Low	(17-33)	(8-25)	(14-31)	(14-31)	
Certified External Static Pressure		Heat/Cool	0.15/0.50	0.15/0.50	0.20/0.50	0.20/0.50	
-	Heatir	ng High/Low	1195/960	1600/1435	1465/1295	1835/1660	
Airflow CFM [‡]		Max Cooling	1595	2330	2155	2265	
ELECTRICAL		0			1	I.	
Unit Volts-Hertz-Phase				115-	60-1		
Operating Voltage Range	Min/Max			104	/127		
Maximum Unit Amps			9.60	14.70	15.00	15.00	
Maximum Wire Length (Measure 1 Wa	ay in Ft. (M))		29 (9.0)	30 (9.2)	29 (9.1)	29 (9.1)	
Minimum Wire Size			14	12	12	12	
Maximum Fuse or Ckt Bkr Size (Amps	s) ^{**}		15	20	20	20	
Transformer (24v)	,			40	va	•	
External Control	Heating			12	va		
Power Available	Cooling			35	va		
Air Conditioning Blower Relay				Stan	dard		
CONTROLS							
Limit Control				SP			
Heating Blower Control				Solid State Ti	me Operation		
Burners (Monoport)			4	4	5	6	
Gas Connection Size				1⁄2-in.	NPT		
GAS CONTROLS							
Gas Valve	Mfr.			WhiteR			
(Redundant)	Min. inlet pressure (In	/		4.5 (Natu	/		
, , , , , , , , , , , , , , , , , , ,	Max. inlet pressure (Ir	n. W.C.)		13.6 (Nat			
Ignition Device				Hot S			
Factory installed orifice BLOWER DATA				SIZE	e 43		
Direct-Drive Motor HP (ECM)			1/2	1	1	1	
Motor Full Load Amps			7.7	12.8	12.8	12.8	
RPM (Nominal)			1200	12.0	12.0	12.0	
			10 x 8	1200 11 x 11	1200 11 x 10	1200 11 x 11	
Blower Wheel Diameter x Width - In. ((mm)		(254x203)	(279x279)	(254x279)	(279x279)	

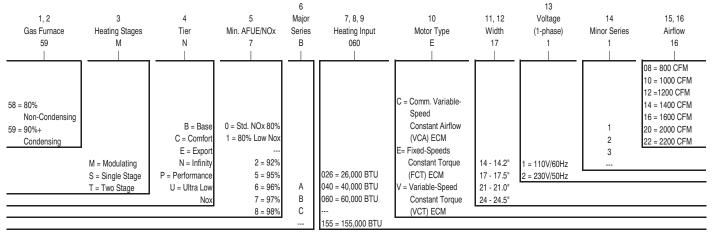
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Airflow shown is for bottom only return air supply for Max Cooling Airflow and heating airflows (efficiency setting) at certified external static pressure. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return air supply. An airflow reduction of up to 7 percent may occur. \$.

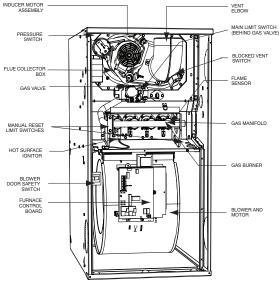
**. Time-delay type is recommended. ICS Isolated Combustion System

MODEL NUMBER NOMENCLATURE



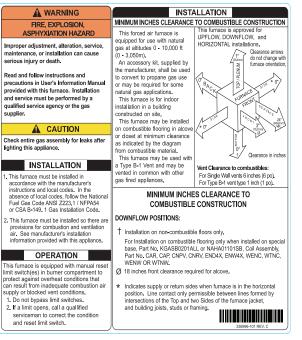
A190403

FURNACE COMPONENTS



A190086

NOTE: The furnaces are factory shipped for use with natural gas. These furnaces can be field-converted for propane gas with a factory-authorized and listed accessory conversion kit.



A10269

ACCESSORIES

DESCRIPTION	PART NO.	045C1712	070C1412	070C1716	070C2120
Filter - Washable, Unframed 16 x 25 x 3/4-in. (406 x 635 x 19 mm)*	325531-402	Х	Х	Х	-
Filter - Washable, Unframed 21 x 25 x 3/4-in. (508 x 635 x 19 mm)*	325531-403	-	-	-	Х
Bottom Filter Rack - 14 inches (355 mm) [*]	FHG1425-2	-	Х	-	-
Bottom Filter Rack - 16 inches (406 mm) [*]	FHG1625-2	Х	-	Х	-
Bottom Filter Rack - 21 inches (533 mm) [*]	FHG2025-2	-	Х	-	Х
Flue Extension	KGAFE0112UPH	Х	Х	Х	Х
Combustible Floor Base	KGASB0201ALL	Х	Х	Х	Х
Downflow Vent Guard	KGBVG0101DFG	Х	Х	Х	Х
Vent Extension Kit	KGAVE0101DNH	Х	Х	Х	Х
Chimney Adapter Kit	KGACA02014FC	Х	Х	Х	Х
	KGACA02015FC	-	-	-	-
Natural-to-Propane Conversion Kit [†]	AGAGC8NPS01A	Х	Х	Х	Х
Propane-to-Natural Conversion Kit†	AGAGC8PNS01A	Х	Х	Х	Х
High Altitude Pressure Switch Kit	KGAHA5801PSW	Х	Х	Х	Х

Purchased through Replacement Components.
Factory-authorized and field installed. Fuel con

Factory-authorized and field installed. Fuel conversion kits are CSA (Formerly AGA/CGA) recognized.

X = Accessory

DESCRIPTION	PART NO.	090C1716	090C2120	110C2120	135C2422
Filter - Washable, Unframed 16 x 25 x 3/4-in. (406 x 635 x 19 mm)*	325531-402	Х	-	-	-
Filter - Washable, Unframed 21 x 25 x 3/4-in. (508 x 635 x 19 mm)*	325531-403	-	Х	Х	-
Filter - Washable, Unframed 24 x 25 x 3/4-in. (607 x 635 x 19 mm)*	325531-404	-	-	-	Х
Bottom Filter Rack - 16 inches (406 mm) [*]	FHG1625-2	Х	-	-	-
Bottom Filter Rack - 21 inches (533 mm) [*]	FHG2025-2	-	Х	Х	-
Bottom Filter Rack - 24 inches (607 mm) [*]	FHG2424-2	-	-	-	Х
Flue Extension	KGAFE0112UPH	Х	Х	Х	Х
Combustible Floor Base	KGASB0201ALL	Х	Х	Х	Х
Downflow Vent Guard	KGBVG0101DFG	Х	Х	Х	Х
Vent Extension Kit	KGAVE0101DNH	Х	Х	Х	Х
Chimney Adenter Kit	KGACA02014FC	Х	Х	Х	Х
Chimney Adapter Kit	KGACA02015FC	-	-	Х	Х
Natural-to-Propane Conversion Kit [†]	AGAGC8NPS01A	Х	Х	Х	Х
Propane-to-Natural Conversion Kit [†]	AGAGC8PNS01A	Х	Х	Х	Х
High Altitude Pressure Switch Kit	KGAHA5801PSW	Х	Х	Х	Х

*. Purchased through Replacement Components.
 †. Factory-authorized and field installed. Fuel conversion kits are CSA (Formerly AGA/CGA) recognized. X = Accessory

	DESCRIPTION	
Gas Orifice Kit - #42 (Nat Gas)	LH32DB207	
Gas Orifice Kit - #43 (Nat Gas)	LH32DB202	
Gas Orifice Kit - #44 (Nat Gas)	LH32DB200	
Gas Orifice Kit - #45 (Nat Gas)	LH32DB205	
Gas Orifice Kit - #46 (Nat Gas)	LH32DB208	
Gas Orifice Kit - #47 (Nat Gas)	LH32DB078	See Installation Instructions for model,
Gas Orifice Kit - #48 (Nat Gas)	LH32DB076	altitude, and heat value usages.
Gas Orifice Kit - #54 (LP)	LH32DB203	
Gas Orifice Kit - #55 (LP)	LH32DB201	
Gas Orifice Kit - #56 (LP)	LH32DB206	
Gas Orifice Kit - 1.25mm (LP)	LH32DB209	
Gas Orifice Kit - 1.30mm (LP)	LH32DB210	

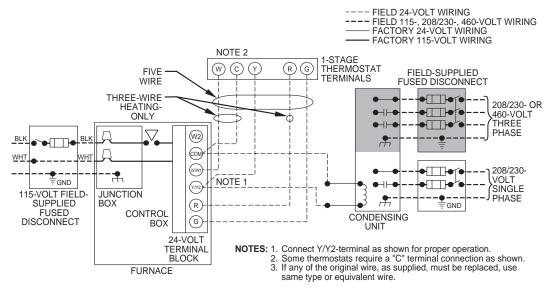
DESCRIPTION	ACCESSORY
HUMIDIFIER	Model HUM
HEAT RECOVERY VENTILATOR	Model HRV
ENERGY RECOVERY VENTILATOR	Model ERV
UV LIGHTS	Model UVL

Carrier has a wide variety of thermostats for your system, please visit www.Carrier.com to see all thermostat and IAQ products.

DESCRIPTION	ACCESSORY	14"	17"	21"	24"
Carrier Carbon Monoxide Alarm (10 pack)	COALMCCNRB02-A10	Х	Х	Х	Х
Carrier Infinity Air Purifier - 16x25 (407x635 mm)	DGAPAXX1625	Х	Х		
Carrier Infinity Air Purifier - 20x25 (508x635 mm)	DGAPAXX2025			Х	Х
Carrier Infinity Air Purifier Repl. Filter- 16x25 (407x635 mm)	GAPCCCAR1625-A05	Х	Х		
Carrier Infinity Air Purifier Repl. Filter- 20x25 (508x635 mm)	GAPCCCAR2025-A05			Х	Х
Cartridge Media Filter - 16" (407 mm) (MERV 11)	FILXXCAR0116	Х	Х	-	-
Cartridge Media Filter - 16" (407 mm) (MERV 8)	FILXXCAR0016	Х	Х	-	-
Cartridge Media Filter - 20" (508 mm) (MERV 8)	FILXXCAR0020	-	-	Х	-
Cartridge Media Filter - 20" (508 mm) (MERV11)	FILXXCAR0120	-	-	Х	-
Cartridge Media Filter - 24" (610 mm) (MERV 8)	FILXXCAR0024	-	-	-	Х
Cartridge Media Filter - 24" (610 mm) (MERV11)	FILXXCAR0124	-	-	-	Х
EZ Flex Cabinet Side or Bottom - 16"	EZXCAB0016	Х	Х	-	-
EZ Flex Cabinet Side or Bottom - 20"	EZXCAB0020	-	-	Х	Х
EZ Flex Replacement Filters 16" MERV 10	EXPXXFIL0016	Х	Х	-	-
EZ Flex Replacement Filters 16" MERV 13	EXPXXFIL0316	Х	Х	-	-
EZ Flex Replacement Filters 20" MERV 10	EXPXXFIL0020	-	-	Х	-
EZ Flex Replacement Filters 20" MERV 13	EXPXXFIL0320	-	-	Х	-
EZ Flex Replacement Filters 24" MERV 10	EXPXXFIL0024	-	-	-	Х
EZ Flex Replacement Filters 24" MERV 13	EXPXXFIL0324	-	-	-	Х
EZ-Flex Filter with End Caps - 16" (407 mm) (MERV 10)	EXPXXUNV0016	Х	Х	-	-
EZ-Flex Filter with End Caps - 16" (407 mm) (MERV 13)	EXPXXUNV0316	Х	Х	-	-
EZ-Flex Filter with End Caps - 20" (508 mm) (MERV 10)	EXPXXUNV0020	-	-	Х	-
EZ-Flex Filter with End Caps - 20" (508 mm) (MERV 13)	EXPXXUNV0320	-	-	Х	-
EZ-Flex Filter with End Caps - 24" (610 mm) (MERV 10)	EXPXXUNV0024	-	-	-	Х
EZ-Flex Filter with End Caps - 24" (610 mm) (MERV 13)	EXPXXUNV0324	-	-	-	Х
Media Filter Cabinet - 20"	FILCABXL0020	-	-	Х	-
Media Filter Cabinet - 24"	FILCABXL0024	-	-	-	Х
Media Filter Cabinet - 16"	FILCABXL0016	Х	Х	-	-

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

TYPICAL WIRING SCHEMATIC



A95236

AIR DELIVERY - CFM (With Filter)*

	(SW	1-5 and SW4-	3 set to OFF,	except a	as indic	ated. Se	e notes	1 and 2	2.)				
Unit Size: 045C1712	Clg/0	CF Switch set	tings				Externa	I Static	Pressur	re (ESP)			
Clg Switches	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Clg Default:	OFF	OFF	OFF	1070	1080	1085	1095	1095	1100	1080	1070		
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	525	540	540	550	550		S	ee note	4	
	OFF	OFF	ON	525	540	540	550	550		S	ee note	4	
	OFF	ON	OFF	700	720	715	730	735	745	745	745	735	725
	OFF	ON	ON	885	905	920	925	920	910	905	900	895	885
Cooling Airflow (SW2)	ON	OFF	OFF	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
Low-Cooling Airflow (SW3)	ON	OFF	ON	1250	1265	1275	1280	1275	1265	1255	1240	1205	1170
3 ()	ON	ON	OFF	1425	1425	1410	1380	1340	1305	1270	1235	1200	1165
	ON	ON	ON	1425	1425	1410	1380	1340	1305	1270	1235	1200	1165
	Мах	kimum Clg Airf	low ²	1480	1445	1415	1380	1345	1310	1275	1235	1200	1165
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	525	540	540	550	550		S	ee note	4	
	OFF	OFF	ON	525	540	540	550	550		S	ee note	4	
	OFF	ON	OFF	700	720	715	730	735	745	745	745	735	725
	OFF	ON	ON	885	905	920	925	920	910	905	900	895	885
Continuous Fan Airflow	ON	OFF	OFF	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
(SW3)	ON	OFF	ON	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
	ON	ON	OFF	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
	ON	ON	ON	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
		ab Hoot Airfle	3	730	730	735	750	765	770	770	770	760	750
Heating (SW1)		gh Heat Airflo							-	-	-		
	Lo	ow Heat Airflow	N ³	605	625	635	630	635	635	630	625	615	605

AIR DELIVERY - CFM (with Filter)* (continued)

	(SW	/1-5 and SW4	-3 set to OFF,	except	as indic	ated. Se	e notes	1 and 2	2.)				
Unit Size: 070C1412	Clg/0	CF Switch set	tings				Externa	I Static	Pressur	e (ESP)			
Clg Switches	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Clg Default:	OFF	OFF	OFF	1050	1050	1050	1050	1050	1050	1045	1035	1020	1000
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	515	500	500	490	485		S	ee note	4	
	OFF	OFF	ON	515	500	500	490	485		S	ee note	4	
	OFF	ON	OFF	690	680	675	680	675			ee note		
Ē	OFF	ON	ON	875	875	875	870	865	855	850	835	825	820
Cooling Airflow (SW2)	ON	OFF	OFF	1050	1050	1050	1050	1050	1050	1045	1035	1020	1000
Low-Cooling Airflow (SW3)	ON	OFF	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
	ON	ON	OFF	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
	ON	ON	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
	Max	kimum Clg Airf	low ²	1395	1400	1400	1400	1395	1385	1370	1340	1300	1245
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	515	500	500	490	485		S	ee note	4	
	OFF	OFF	ON	515	500	500	490	485		S	ee note	4	
	OFF	ON	OFF	690	680	675	680	675			ee note		
	OFF	ON	ON	875	875	875	870	865	855	850	835	825	820
Continuous Fan Airflow	ON	OFF	OFF	1050	1050	1050	1050	1050	1050	1045	1035	1020	1000
(SW3)	ON	OFF	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
	ON	ON	OFF	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
Ē	ON	ON	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
			3	1160	1105	1175	1100	1100	1100	1100	1100	11.00	1175
Heating (SW1)		igh Heat Airflo		1160	1165	1175	1180	1180	1180	1180	1180	1180	1175
	Lo	ow Heat Airflo	N ³	735	735	735	735	725		S	ee note	4	
Unit Size: 070C1716	Clg/0	Clg/CF Switch settings External Static Pressure (ESP)											
Clg Switches	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
old ownering o	3772-3	3772-2						1380	40.45	4040	1270	1235	1200
Clg Default:	OFF	OFF	OFF	1435	1435	1435	1420	1300	1345	1310	1270	1235	
							1420	1500	1345	1310	1270	1235	
Clg Default:	OFF	OFF	OFF				1420 720	715	1345 705	700	690	680	665
Clg Default: CF Switches	OFF SW3-3 OFF	OFF SW3-2 OFF	OFF SW3-1 OFF	1435 705	1435 715	1435 720	720	715		700	690	680	
Clg Default: CF Switches	OFF SW3-3 OFF OFF	OFF SW3-2 OFF OFF	OFF SW3-1 OFF ON	1435 705 530	1435 715 535	1435 720 530	720 520	715 505	705	700 S	690 ee note	680	665
Clg Default: CF Switches	OFF SW3-3 OFF OFF OFF	OFF SW3-2 OFF OFF ON	OFF SW3-1 OFF ON OFF	1435 705 530 705	1435 715 535 715	1435 720 530 720	720 520 720	715 505 715	705	700 So 700	690 ee note 690	680 4 680	665 665
Cig Default: CF Switches Low-Cig Default:	OFF SW3-3 OFF OFF	OFF SW3-2 OFF OFF ON ON	OFF SW3-1 OFF ON OFF ON	1435 705 530 705 870	1435 715 535 715 885	1435 720 530	720 520	715 505 715 895	705 705 895	700 \$ 700 890	690 ee note 690 885	680 4 680 875	665 665 865
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2)	OFF SW3-3 OFF OFF OFF OFF	OFF SW3-2 OFF OFF ON	OFF SW3-1 OFF ON OFF	1435 705 530 705	1435 715 535 715	1435 720 530 720 890	720 520 720 895	715 505 715	705	700 So 700	690 ee note 690	680 4 680	665 665 865 1050
Cig Default: CF Switches Low-Cig Default:	OFF SW3-3 OFF OFF OFF OFF ON	OFF SW3-2 OFF OFF ON ON OFF	OFF SW3-1 OFF ON OFF ON OFF	1435 705 530 705 870 1110	1435 715 535 715 885 1110	1435 720 530 720 890 1110	720 520 720 895 1105	715 505 715 895 1100	705 705 895 1090	700 50 700 890 1085	690 ee note 690 885 1075	680 4 680 875 1065	665 665 865
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2)	OFF SW3-3 OFF OFF OFF OFF ON ON	OFF SW3-2 OFF OFF ON ON OFF OFF	OFF SW3-1 OFF ON OFF ON OFF ON	1435 705 530 705 870 1110 1240	1435 715 535 715 885 1110 1240	1435 720 530 720 890 1110 1245	720 520 720 895 1105 1245	715 505 715 895 1100 1240	705 705 895 1090 1235	700 50 700 890 1085 1230	690 ee note 690 885 1075 1225	680 4 680 875 1065 1215	665 665 865 1050 1210
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2)	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	OFF SW3-2 OFF OFF ON OFF OFF ON ON	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1435 705 530 705 870 1110 1240 1435	1435 715 535 715 885 1110 1240 1435	1435 720 530 720 890 1110 1245 1435	720 520 720 895 1105 1245 1420	715 505 715 895 1100 1240 1380	705 705 895 1090 1235 1345	700 700 890 1085 1230 1310	690 ee note 690 885 1075 1225 1270	680 4 680 875 1065 1215 1235	665 665 865 1050 1210 1200
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2)	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	OFF SW3-2 OFF OFF ON ON OFF OFF ON	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1435 705 530 705 870 1110 1240 1435 1435	1435 715 535 715 885 1110 1240 1435 1435	1435 720 530 720 890 1110 1245 1435 1435	720 520 720 895 1105 1245 1420 1420	715 505 715 895 1100 1240 1380 1380	705 705 895 1090 1235 1345 1345	700 50 700 890 1085 1230 1310 1310	690 ee note 690 885 1075 1225 1270 1270	680 4 680 875 1065 1215 1235 1235	665 665 865 1050 1210 1200 1200
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	OFF SW3-3 OFF OFF OFF ON ON ON ON ON	OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON Iow ²	1435 705 530 705 870 1110 1240 1435 1435	1435 715 535 715 885 1110 1240 1435 1435	1435 720 530 720 890 1110 1245 1435 1435	720 520 720 895 1105 1245 1420 1420	715 505 715 895 1100 1240 1380 1380	705 705 895 1090 1235 1345 1345	700 50 700 890 1085 1230 1310 1310	690 ee note 690 885 1075 1225 1270 1270	680 4 680 875 1065 1215 1235 1235	665 665 865 1050 1210 1200 1200
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON Max SW3-3 OFF	OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf SW3-2 OFF	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON Now ² SW3-1 OFF	1435 705 530 705 870 1110 1240 1435 1435 1435 1510 805	1435 715 535 715 885 1110 1240 1435 1435 1480 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795	720 520 720 895 1105 1245 1420 1420 1410 790	715 505 715 895 1100 1240 1380 1380 1375 775	705 895 1090 1235 1345 1345 1340	700 700 890 1085 1230 1310 1310 1305 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735	680 4 680 875 1065 1215 1235 1235 1235 1235 715	665 665 865 1050 1210 1200 1200 1200
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON Max SW3-3 OFF OFF	OFF SW3-2 OFF OFF ON OFF OFF ON ON simum Clg Ainf SW3-2 OFF	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON OFF SW3-1 OFF	1435 705 530 705 870 1110 1240 1435 1435 1510 805 520	1435 715 535 715 885 1110 1240 1435 1435 1480 800 520	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515	720 520 720 895 1105 1245 1420 1420 1410 790 510	715 505 715 895 1100 1240 1380 1380 1375 775 495	705 705 895 1090 1235 1345 1345 1340 765	700 700 890 1085 1230 1310 1310 1305 750 S	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 ee note	680 4 680 875 1065 1215 1235 1235 1235 1235 1235 4	665 665 865 1050 1210 1200 1200 1200 700
Cig Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON Max SW3-3 OFF	OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf SW3-2 OFF	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON Now ² SW3-1 OFF	1435 705 530 705 870 1110 1240 1435 1435 1435 1510 805	1435 715 535 715 885 1110 1240 1435 1435 1480 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795	720 520 720 895 1105 1245 1420 1420 1410 790	715 505 715 895 1100 1240 1380 1380 1375 775	705 895 1090 1235 1345 1345 1340	700 700 890 1085 1230 1310 1310 1305 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735	680 4 680 875 1065 1215 1235 1235 1235 1235 715	665 665 865 1050 1210 1200 1200 1200
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON Max SW3-3 OFF OFF OFF	OFF SW3-2 OFF OFF ON OFF OFF ON CIg Ainf SW3-2 OFF OFF OFF	OFF SW3-1 OFF ON OFF	1435 705 530 705 870 1110 1240 1435 1435 1510 805 520 635	1435 715 535 715 885 1110 1240 1435 1435 1435 520 630	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625	720 520 720 895 1105 1245 1420 1420 1410 790 510 620	715 505 715 895 1100 1240 1380 1380 1375 775 495 605	705 705 895 1090 1235 1345 1345 1345 1340 765	700 700 890 1085 1230 1310 1310 1305 750 \$6 580	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 ee note 565	680 4 680 875 1065 1215 1235 1235 1235 1235 1235 1235 4 550	665 665 865 1050 1210 1200 1200 1200 700 700
Cig Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	OFF SW3-3 OFF OFF OFF OFF ON ON ON ON Max SW3-3 OFF OFF OFF OFF	OFF SW3-2 OFF ON ON OFF OFF ON ON Kimum Clg Airf SW3-2 OFF OFF OFF ON ON	OFF SW3-1 OFF ON	1435 705 530 705 870 1110 1240 1435 1435 1435 1510 805 520 635 805	1435 715 535 715 885 1110 1240 1435 1435 1480 800 520 630 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625 795	720 520 720 895 1105 1245 1420 1420 1410 790 510 620 790	715 505 715 895 1100 1240 1380 1380 1375 775 495 605 775	705 705 895 1090 1235 1345 1345 1345 1340 765 595 765	700 S 700 890 1085 1230 1310 1310 1305 750 580 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 ee note 565 735	680 4 680 875 1065 1215 1235 1235 1235 1235 1235 1235 4 550 715	665 665 865 1050 1210 1200 1200 1200 700 535 700
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	OFF SW3-3 OFF OFF OFF OFF ON ON ON Max SW3-3 OFF OFF OFF OFF OFF OFF	OFF SW3-2 OFF ON ON OFF OFF ON ON Kimum Clg Airf SW3-2 OFF OFF OFF ON ON OFF	OFF SW3-1 OFF ON OFF	1435 705 530 705 870 1110 1240 1435 1435 1435 1510 805 520 635 805	1435 715 535 715 885 1110 1240 1435 1435 1435 1480 800 520 630 800 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625 795 795	720 520 720 895 1105 1245 1420 1420 1410 790 510 620 790 790	715 505 715 895 1100 1240 1380 1380 1375 775 775 775 775	705 705 895 1090 1235 1345 1345 1340 765 765 765 765	700 890 1085 1230 1310 1310 1305 750 580 750 750 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 ee note 565 735 735	680 4 680 875 1065 1215 1235 1235 1235 715 4 550 715 715	665 665 865 1050 1210 1200 1200 1200 1200 700 700 700 700
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	OFF SW3-3 OFF OFF OFF OFF ON ON ON Max SW3-3 OFF OFF OFF OFF OFF OFF ON ON	OFF SW3-2 OFF ON ON OFF OFF ON ON Kimum Clg Airf SW3-2 OFF OFF OFF ON ON OFF	OFF SW3-1 OFF ON OFF ON	1435 705 530 705 870 1110 1240 1435 1435 1510 805 520 635 805 805 805	1435 715 535 715 885 1110 1240 1435 1435 1435 1480 800 520 630 800 800 800 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625 795 795 795 795	720 520 720 895 1105 1245 1420 1420 1410 790 510 620 790 790 790 790	715 505 715 895 1100 1240 1380 1380 1375 775 775 775 775 775 775	705 705 895 1090 1235 1345 1345 1345 1340 765 765 765 765 765 765	700 890 1085 1230 1310 1310 1305 750 750 750 750 750 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 735 735 735 735	680 4 680 875 1065 1215 1235 1235 1235 715 715 715 715 715	665 865 1050 1210 1200 1200 1200 700 700 700 700 700 700 700
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	OFF SW3-3 OFF OFF OFF ON ON ON ON SW3-3 OFF OFF OFF OFF OFF ON ON ON	OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf SW3-2 OFF OFF OFF ON ON OFF OFF ON ON OFF ON ON	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON	1435 705 870 1110 1240 1435 1435 1435 1510 805 805 805 805 805 805 805	1435 715 535 715 885 1110 1240 1435 1435 1435 1480 800 800 800 800 800 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625 795 795 795 795 795	720 520 720 895 1105 1245 1420 1420 1410 790 510 620 790 790 790 790 790	715 505 715 895 1100 1240 1380 1380 1375 775 775 775 775 775 775 775 775 775	705 895 1090 1235 1345 1345 1345 1340 765 765 765 765 765 765 765	700 890 1085 1230 1310 1310 1305 750 750 750 750 750 750 750	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 735 735 735 735 735 735	680 4 680 875 1065 1215 1235 1235 1235 1235 1235 715 715 715 715 715 715 715	665 665 865 1050 1210 1200 1200 1200 700 700 700 700 700 700 700
Cig Default: CF Switches Low-Cig Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	OFF SW3-3 OFF OFF OFF ON ON ON ON SW3-3 OFF OFF OFF OFF OFF OFF OFF OFF OFF H i	OFF SW3-2 OFF OFF ON OFF OFF ON ON Kimum Clg Airf SW3-2 OFF OFF OFF ON OFF OFF OFF	OFF SW3-1 OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON	1435 705 530 705 870 1110 1240 1435 1435 1510 805 520 635 805 805 805 805 805	1435 715 535 715 885 1110 1240 1435 1435 1435 1480 800 800 800 800 800 800 800 800	1435 720 530 720 890 1110 1245 1435 1435 1445 795 515 625 795 795 795 795 795	720 520 720 895 1105 1245 1420 1420 1410 790 510 620 790 790 790 790 790	715 505 715 895 1100 1240 1380 1380 1375 775 775 775 775 775 775 775	705 705 895 1090 1235 1345 1345 1345 1340 765 765 765 765 765 765 765	700 890 1085 1230 1310 1310 1305 750 750 750 750 750 750 750 7	690 ee note 690 885 1075 1225 1270 1270 1270 1270 735 735 735 735 735 735	680 4 680 875 1065 1215 1235 1235 1235 1235 715 715 715 715 715 715	665 865 1050 1210 1200 1200 1200 700 700 700 700 700 700 700 700

AIR DELIVERY - CFM (with Filter)* (continued)

	(SV	/1-5 and SW4	-3 set to OFF	except	as indic	ated. S	ee notes	1 and 2	2.)				
Unit Size: 090C1716	Clg/0	CF Switch set	tings				Externa	I Static	Pressur	e (ESP)			
Clg Switches	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Clg Default:	OFF	OFF	OFF	1350	1370	1390	1390	1400	1390	1380	1380	1360	1340
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	680	680	680	675	670		S	e note	4	
	OFF	OFF	ON	525	520	525	495	475		S	ee note	4	
	OFF	ON	OFF	680	680	680	675	670			e note		
	OFF	ON	ON	815	845	845	855	850	850	845	835	820	805
Cooling Airflow (SW2)	ON	OFF	OFF	1005	1005	1015	1035	1040	1040	1035	1030	1025	1010
Low-Cooling Airflow (SW3)	ON	OFF	ON	1190	1200	1200	1205	1205	1215	1205	1200	1185	1170
	ON	ON	OFF	1350	1370	1390	1390	1400	1390	1380	1380	1360	1340
	ON	ON	ON	1350	1370	1390	1390	1400	1390	1380	1380	1360	1340
	Max	kimum Clg Airf	low ²	1595	1600	1600	1600	1595	1555	1505	1465	1430	1390
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	680	680	680	675	670		S	e note	4	
	OFF	OFF	ON	525	520	525	495	475		S	ee note	4	
	OFF	ON	OFF	680	680	680	675	670			ee note		
	OFF	ON	ON	815	845	845	855	850	850	845	835	. 820	805
Continuous Fan Airflow	ON	OFF	OFF	1005	1005	1015	1035	1040	1040	1035	1030	1025	1010
(SW3)	ON	OFF	ON	1190	1200	1200	1205	1205	1215	1205	1200	1185	1170
	ON	ON	OFF	1190	1200	1200	1205	1205	1215	1205	1200	1185	1170
	ON	ON	ON	1190	1200	1200	1205	1205	1215	1205	1200	1185	1170
	Hi	igh Heat Airflo	w ³	1190	1205	1210	1210	1210	1210	1210	1210	1210	1200
Heating (SW1)		ow Heat Airflo		950	970	985	985	985	985	985	985	985	980
	LC	ow Heat Alriio	W°	930	970	900	900	900	900	900	900	900	900
Unit Size: 090C2120	Clg/0	CF Switch set	tings				Externa	I Static	Pressur	e (ESP)			
	Clg/0 SW2-3	CF Switch set	tings SW2-1	0.1	0.2	0.3	Externa 0.4	l Static 0.5	Pressur 0.6	e (ESP) 0.7	0.8	0.9	1.0
090C2120	-		-	0.1 1785	0.2 1805					· ,	0.8 1850	0.9 1845	1.0 1835
090C2120 Clg Switches	SW2-3 OFF SW3-3	SW2-2	SW2-1			0.3	0.4	0.5	0.6	0.7			
090C2120 Clg Switches Clg Default:	SW2-3 OFF	SW2-2 OFF	SW2-1 OFF			0.3	0.4	0.5	0.6	0.7			
090C2120 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF	SW2-2 OFF SW3-2 OFF	SW2-1 OFF SW3-1 OFF	1785 925	1805 935	0.3 1815 945	0.4 1835 960	0.5 1840 980	0.6 1855	0.7 1860 940	1850 925	1845 920	1835
090C2120 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF OFF	SW2-2 OFF SW3-2 OFF OFF	SW2-1 OFF SW3-1 OFF	1785 925 715	1805 935 715	0.3 1815 945 735	0.4 1835 960 730	0.5 1840 980 730	0.6 1855 965	0.7 1860 940	1850 925 ee note	1845 920 4	1835 900
090C2120 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925	1805 935 715 935	0.3 1815 945 735 945	0.4 1835 960 730 960	0.5 1840 980 730 980	0.6 1855 965 965	0.7 1860 940 \$6 940	1850 925 ee note 925	1845 920 4 920	1835 900 900
090C2120 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF OFF	SW2-2 OFF SW3-2 OFF OFF	SW2-1 OFF SW3-1 OFF	1785 925 715	1805 935 715	0.3 1815 945 735	0.4 1835 960 730	0.5 1840 980 730	0.6 1855 965	0.7 1860 940	1850 925 ee note	1845 920 4	1835 900
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default:	SW2-3 OFF SW3-3 OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF ON	1785 925 715 925 1040	1805 935 715 935 1045	0.3 1815 945 735 945 1030	0.4 1835 960 730 960 1055	0.5 1840 980 730 980 1060	0.6 1855 965 965 1045	0.7 1860 940 940 1060	1850 925 ee note 925 1045	1845 920 4 920 1030	1835 900 900 1005
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF	1785 925 715 925 1040 1295 1505 1785	1805 935 715 935 1045 1320 1525 1805	0.3 1815 945 735 945 1030 1285 1480 1815	0.4 1835 960 730 960 1055 1335 1480 1835	0.5 1840 980 730 980 1060 1350 1490 1840	0.6 1855 965 965 1045 1340 1475 1855	0.7 1860 940 940 1060 1350 1465 1860	1850 925 ee note 925 1045 1335 1455 1850	1845 920 4 920 1030 1310 1450 1845	1835 900 900 1005 1300 1445 1835
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1785 925 715 925 1040 1295 1505 1785 2250	1805 935 715 935 1045 1320 1525 1805 2265	0.3 1815 945 735 945 1030 1285 1480 1815 2270	0.4 1835 960 730 960 1055 1335 1480 1835 2265	0.5 1840 980 730 980 1060 1350 1490 1840 2255	0.6 1855 965 965 1045 1340 1475 1855 2245	0.7 1860 940 940 1060 1350 1465 1860 2220	1850 925 925 1045 1335 1455 1850 2175	1845 920 4 920 1030 1310 1450 1845 2120	1835 900 900 1005 1300 1445 1835 2060
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf	SW2-1 OFF SW3-1 OFF OFF ON OFF ON OFF ON OFF ON	1785 925 715 925 1040 1295 1505 1785	1805 935 715 935 1045 1320 1525 1805	0.3 1815 945 735 945 1030 1285 1480 1815	0.4 1835 960 730 960 1055 1335 1480 1835	0.5 1840 980 730 980 1060 1350 1490 1840	0.6 1855 965 965 1045 1340 1475 1855	0.7 1860 940 940 1060 1350 1465 1860	1850 925 ee note 925 1045 1335 1455 1850	1845 920 4 920 1030 1310 1450 1845	1835 900 900 1005 1300 1445 1835
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF OFF ON ON ON ON ON SW3-3 ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf SW3-2	SW2-1 OFF SW3-1 OFF ON SW3-1	1785 925 715 925 1040 1295 1505 1785 2250 2375	1805 935 715 935 1045 1320 1525 1805 2265 2375	0.3 1815 945 735 945 1030 1285 1480 1815 2270 2375	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330	0.6 1855 965 1045 1340 1475 1855 2245 2285	0.7 1860 940 940 1060 1350 1465 1860 2220 2235	1850 925 925 1045 1335 1455 1850 2175 2185	1845 920 4 920 1030 1310 1450 1845 2120 2140	900 900 1005 1300 1445 1835 2060 2075
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf	SW2-1 OFF SW3-1 OFF OFF ON OFF ON OFF ON OFF ON	1785 925 715 925 1040 1295 1505 1785 2250	1805 935 715 935 1045 1320 1525 1805 2265	0.3 1815 945 735 945 1030 1285 1480 1815 2270	0.4 1835 960 730 960 1055 1335 1480 1835 2265	0.5 1840 980 730 980 1060 1350 1490 1840 2255	0.6 1855 965 965 1045 1340 1475 1855 2245	0.7 1860 940 940 1060 1350 1465 1860 2220	1850 925 925 1045 1335 1455 1850 2175	1845 920 4 920 1030 1310 1450 1845 2120	1835 900 900 1005 1300 1445 1835 2060
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF ON OFF ON ON cimum Clg Airf SW3-2 OFF	SW2-1 OFF SW3-1 OFF ON	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 715	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715	0.3 1815 945 1030 1285 1480 1815 2270 2375 945 735	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 980	0.6 1855 965 1045 1340 1475 1855 2245 2285 965	0.7 1860 940 50 940 1060 1350 1465 1860 2220 2235 940	1850 925 925 1045 1335 1455 1850 2175 2185 925 ee note	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4	1835 900 1005 1300 1445 1835 2060 2075 900
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON CIG Airf SW3-2 OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 715 925	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935	0.3 1815 945 1030 1285 1480 1815 2270 2375 945	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 730 980	0.6 1855 965 1045 1340 1475 1855 2245 2285 965	0.7 1860 940 50 940 1060 1350 1465 1860 2220 2235 940 \$6 940	1850 925 925 1045 1335 1455 1850 2175 2185 925	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920	1835 900 1005 1300 1445 1835 2060 2075 900
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF OFF ON OFF OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airf SW3-2 OFF OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 715 925 1040	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045	0.3 1815 945 1030 1285 1480 1815 2270 2375 945 735 945 1030	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 730 980 1060	0.6 1855 965 1045 1340 1475 1855 2245 2285 965 965 1045	0.7 1860 940 So 940 1060 1350 1465 1860 2220 2235 940 So 940 1060	1850 925 925 1045 1335 1455 1850 2175 2185 925 925 925 1045	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 1030	1835 900 1005 1300 1445 1835 2060 2075 900 900
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Ainf SW3-2 OFF OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 925 1040 1295	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320	0.3 1815 945 735 945 1030 1285 1480 1815 2270 2375 945 945 1030 1285	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055 1335	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 730 980 730 980 1060 1350	0.6 1855 965 1045 1340 1475 2245 2285 965 965 1045 1340	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 \$6 940 1060 1350	1850 925 925 1045 1335 1455 1850 2175 2185 925 925 925 1045 1335	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 4 920 1030 1310	1835 900 1005 1300 1445 1835 2060 2075 900 900 1005 1300
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON Clg Ainf SW3-2 OFF OFF OFF ON OFF	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 925 715 925 1040 1295 1505	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320 1320 1525	0.3 1815 945 735 945 1030 1285 1480 2270 2375 945 945 1030 1285 1480	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055 1335 1480	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 980 980 1060 1350 1490	0.6 1855 965 1045 1340 1475 2245 2285 965 965 1045 1340 1475	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 940 1060 1350 1465	1850 925 1045 1335 1455 1850 2175 2185 925 925 925 1045 1335 1455	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 4 920 1030 1310 1450	1835 900 1005 1300 1445 1835 2060 2075 900 900 900 1005 1300 1445
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON SW3-3 OFF OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF OFF OFF OFF OFF OFF OFF OFF OF	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 925 925 1040 1295 1505 1505	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320 1525 1045 1320 1525 1525	0.3 1815 945 735 945 1030 1285 1480 1815 2270 2375 945 735 945 1030 1285 1480 1480	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055 1335 1480 1480	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 980 980 1060 1350 1490 1490	0.6 1855 965 1045 1340 1475 2245 2285 965 965 1045 1340 1475 1340	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 \$ 940 \$ 940 1060 1350 1465 1465 1465	1850 925 925 1045 1335 1455 1850 2175 2185 925 925 925 1045 1335 1455	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 4 920 1030 1310 1450 1450 1450	1835 900 1005 1300 1445 1835 2060 2075 900 900 1005 1300 1445 1445
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON Clg Ainf SW3-2 OFF OFF OFF ON ON OFF	SW2-1 OFF SW3-1 OFF ON OFF	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 925 715 925 1040 1295 1505	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320 1320 1525	0.3 1815 945 735 945 1030 1285 1480 2270 2375 945 945 1030 1285 1480	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055 1335 1480	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 980 980 1060 1350 1490	0.6 1855 965 1045 1340 1475 2245 2285 965 965 1045 1340 1475	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 940 1060 1350 1465	1850 925 1045 1335 1455 1850 2175 2185 925 925 925 1045 1335 1455	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 4 920 1030 1310 1450	1835 900 1005 1300 1445 1835 2060 2075 900 900 900 1005 1300 1445
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF OFF OFF OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF ON	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 925 925 1040 1295 1505 1505	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320 1525 1045 1320 1525 1525	0.3 1815 945 735 945 1030 1285 1480 1815 2270 2375 945 735 945 1030 1285 1480 1480	0.4 1835 960 730 960 1055 1335 1480 1835 2265 2365 2365 960 730 960 1055 1335 1480 1480	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 980 980 1060 1350 1490 1490	0.6 1855 965 1045 1340 1475 2245 2285 965 965 1045 1340 1475 1340	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 \$ 940 \$ 940 1060 1350 1465 1465 1465	1850 925 925 1045 1335 1455 1850 2175 2185 925 925 925 1045 1335 1455	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 4 920 1030 1310 1450 1450 1450	1835 900 1005 1300 1445 1835 2060 2075 900 900 1005 1300 1445 1445
090C2120 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF OFF ON ON ON ON ON ON ON OFF ON ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF OFF OFF OFF OFF OFF OFF OFF OF	SW2-1 OFF SW3-1 OFF OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON	1785 925 715 925 1040 1295 1505 1785 2250 2375 925 715 925 1040 1295 1505 1505 1505	1805 935 715 935 1045 1320 1525 1805 2265 2375 935 715 935 1045 1320 1525 1525	0.3 1815 945 735 945 1030 1285 1480 1815 2270 2375 945 735 945 1030 1285 1480 1285 1480 1480 1480	0.4 1835 960 1055 1335 1480 1835 2265 2365 960 730 960 1055 1335 1480 1055 1480 1480 1480	0.5 1840 980 730 980 1060 1350 1490 1840 2255 2330 980 730 980 1060 1350 1490 1490 1490 1490	0.6 1855 965 1045 1340 1475 1855 2245 2285 965 1045 1340 1475 1340 1475 1340	0.7 1860 940 940 1060 1350 1465 1860 2220 2235 940 1060 1350 1465 1465 1465 1465 1465	1850 925 925 1045 1335 1455 1850 2175 2185 925 925 1045 1335 1455 1455 1455	1845 920 4 920 1030 1310 1450 1845 2120 2140 920 4 920 1030 1310 1450 1450 1450	1835 900 1005 1300 1445 1835 2060 2075 900 900 1005 1300 1445 1445 1445

AIR DELIVERY - CFM (with Filter)* (continued)

	(SV	/1-5 and SW4	-3 set to OFF	, except	as indic	ated. So	ee notes	s 1 and 2	2.)				
Unit Size: 110C2120	Clg/	CF Switch se	ttings				Externa	I Static	Pressu	e (ESP)			
Clg Switches	SW2-3	SW2-2	SW2-1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Clg Default:	OFF	OFF	OFF	1750	1750	1750	1750	1750	1750	1750	1750	1740	1725
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	875	875	875	875	875		S	ee note	4	
	OFF	OFF	ON	700	700	700	700	700	[S	ee note	4	
	OFF	ON	OFF	875	875	875	875	875			ee note		
	OFF	ON	ON	1050	1050	1050	1050	1050		S	ee note	4	
Cooling Airflow (SW2)	ON	OFF	OFF	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225
Low-Cooling Airflow (SW3)	ON	OFF	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	ON	ON	OFF	1750	1750	1750	1750	1750	1750	1750	1750	1740	1725
	ON	ON	ON	2100	2100	2100	2100	2090	2075	2055	2040	2005	1970
	Max	kimum Clg Air	flow ²	2200	2190	2190	2180	2155	2145	2125	2100	2080	2020
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	875	875	875	875	875		S	ee note	4	
	OFF	OFF	ON	700	700	700	700	700		S	ee note	4	
	OFF	ON	OFF	875	875	875	875	875			ee note		
	OFF	ON	ON	1050	1050	1050	1050	1050		S	ee note	4	
Continuous Fan Airflow	ON	OFF	OFF	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225
(SW3)	ON	OFF	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	ON	ON	OFF	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	ON	ON	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
				1								1	
Heating (SW1)	Н	igh Heat Airflo	w ³	1460	1465	1475	1475	1475	1475	1475	1475	1465	1465
	L	ow Heat Airflo	w ³	1275	1295	1315	1320	1320	1320	1320	1320	1320	1315
Unit Size: 135C2422 Clg/CF Switch settings External Static Pressure (ESP)													
	Clg/	CF Switch se	ttings				Externa	I Static	Pressu	e (ESP)			
	Clg/0 SW2-3	CF Switch se	ttings SW2-1	0.1	0.2	0.3	Externa 0.4	l Static 0.5	Pressur 0.6	e (ESP) 0.7	0.8	0.9	1.0
135C2422	SW2-3 OFF		-	0.1 1750	0.2 1765					· ,		0.9 1770	1.0 1765
135C2422 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3	SW2-2 OFF SW3-2	SW2-1 OFF SW3-1	1750	1765	0.3 1765	0.4 1775	0.5 1780	0.6 1785	0.7 1785	0.8 1775	1770	1765
135C2422 Clg Switches Clg Default:	SW2-3 OFF	SW2-2 OFF	SW2-1 OFF			0.3	0.4	0.5	0.6	0.7	0.8		
135C2422 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF	SW2-2 OFF SW3-2 OFF	SW2-1 OFF SW3-1 OFF	1750 860	1765 880	0.3 1765 895	0.4 1775 900	0.5 1780 905	0.6 1785	0.7 1785 890	0.8 1775 865	1770 845	1765
135C2422 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3	SW2-2 OFF SW3-2 OFF OFF	SW2-1 OFF SW3-1 OFF	1750 860 690	1765 880 710	0.3 1765 895 715	0.4 1775 900 710	0.5 1780 905 690	0.6 1785 900	0.7 1785 890	0.8 1775 865 ee note	1770 845 4	1765 825
135C2422 Clg Switches Clg Default: CF Switches	SW2-3 OFF SW3-3 OFF OFF OFF	SW2-2 OFF SW3-2 OFF	SW2-1 OFF SW3-1 OFF	1750 860	1765 880	0.3 1765 895	0.4 1775 900	0.5 1780 905 690 905	0.6 1785 900 900	0.7 1785 890	0.8 1775 865	1770 845	1765
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default:	SW2-3 OFF SW3-3 OFF OFF	SW2-2 OFF SW3-2 OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 690 860	1765 880 710 880	0.3 1765 895 715 895	0.4 1775 900 710 900	0.5 1780 905 690	0.6 1785 900	0.7 1785 890 \$ 890	0.8 1775 865 ee note 865	1770 845 4 845	1765 825 825
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF ON	1750 860 690 860 1015	1765 880 710 880 1050	0.3 1765 895 715 895 1070	0.4 1775 900 710 900 1080	0.5 1780 905 690 905 1085	0.6 1785 900 900 1095	0.7 1785 890 \$90 1095	0.8 1775 865 ee note 865 1090	1770 845 4 845 1085	1765 825 825 1075
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default:	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON	SW2-2 OFF SW3-2 OFF OFF ON ON OFF	SW2-1 OFF SW3-1 OFF ON OFF ON OFF	1750 860 690 860 1015 1185	1765 880 710 880 1050 1220 1415 1765	0.3 1765 895 715 895 1070 1245	0.4 1775 900 710 900 1080 1260	0.5 1780 905 690 905 1085 1270	0.6 1785 900 900 1095 1275	0.7 1785 890 \$ 890 1095 1280	0.8 1775 865 ee note 865 1090 1280	1770 845 4 845 1085 1285	1765 825 825 1075 1280
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1750 860 690 860 1015 1185 1400	1765 880 710 880 1050 1220 1415	0.3 1765 895 715 895 1070 1245 1420	0.4 1775 900 710 900 1080 1260 1425	0.5 1780 905 690 905 1085 1270 1425	0.6 1785 900 900 1095 1275 1420	0.7 1785 890 S 890 1095 1280 1415	0.8 1775 865 ee note 865 1090 1280 1410	1770 845 4 845 1085 1285 1400	1765 825 825 1075 1280 1390
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1750 860 690 860 1015 1185 1400 1750	1765 880 710 880 1050 1220 1415 1765	0.3 1765 895 715 895 1070 1245 1420 1765	0.4 1775 900 710 900 1080 1260 1425 1775	0.5 1780 905 690 905 1085 1270 1425 1780	0.6 1785 900 900 1095 1275 1420 1785	0.7 1785 890 50 890 1095 1280 1415 1785	0.8 1775 865 ee note 865 1090 1280 1410 1775	1770 845 4 845 1085 1285 1400 1770	1765 825 1075 1280 1390 1765
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2)	SW2-3 OFF SW3-3 OFF OFF OFF OFF ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON	1750 860 690 860 1015 1185 1400 1750 2080	1765 880 710 880 1050 1220 1415 1765 2095	0.3 1765 895 715 895 1070 1245 1420 1765 2100	0.4 1775 900 710 900 1080 1260 1425 1775 2110	0.5 1780 905 690 905 1085 1270 1425 1780 2105	0.6 1785 900 900 1095 1275 1420 1785 2115	0.7 1785 890 \$90 1095 1280 1415 1785 2125	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115	1770 845 4 845 1085 1285 1400 1770 2120	1765 825 1075 1280 1390 1765 2090
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF ON ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airt	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON Flow ²	1750 860 690 860 1015 1185 1400 1750 2080	1765 880 710 880 1050 1220 1415 1765 2095	0.3 1765 895 715 895 1070 1245 1420 1765 2100	0.4 1775 900 710 900 1080 1260 1425 1775 2110	0.5 1780 905 690 905 1085 1270 1425 1780 2105	0.6 1785 900 900 1095 1275 1420 1785 2115	0.7 1785 890 \$90 1095 1280 1415 1785 2125	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115	1770 845 4 845 1085 1285 1400 1770 2120	1765 825 1075 1280 1390 1765 2090
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF OFF ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airt SW3-2 OFF	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 860 1015 1185 1400 1750 2080 2240 860	1765 880 710 880 1050 1220 1415 1765 2095 2255 880	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265	0.6 1785 900 900 1095 1275 1420 1785 2115 2255	0.7 1785 890 \$ 890 1095 1280 1415 1785 2125 2220 890	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865	1770 845 4 845 1085 1285 1400 1770 2120 2135 845	1765 825 1075 1280 1390 1765 2090 2085
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3)	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airt SW3-2 OFF	SW2-1 OFF SW3-1 OFF ON flow ² SW3-1 OFF ON	1750 860 860 1015 1185 1400 1750 2080 2240 860 860	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 690	0.6 1785 900 1095 1275 1420 1785 2115 2255 900	0.7 1785 890 \$ 890 1095 1280 1415 1785 2125 2220 890 \$	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 ee note	1770 845 4 845 1085 1285 1400 1770 2120 2135 845 4	1765 825 825 1075 1280 1390 1765 2090 2085 825
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON CN SW3-2 OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 860 1015 1185 1400 1750 2080 2240 860 860	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 900 710 900	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 690 905	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900	0.7 1785 890 5890 1095 1280 1415 1785 2125 2220 890 890	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 ee note 865	1770 845 4 845 1085 1285 1400 1770 2120 2135 845 4 845	1765 825 1075 1280 1390 1765 2090 2085 825 825
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON cimum Clg Airt SW3-2 OFF OFF ON ON	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 860 1015 1185 1400 1750 2080 2240 860 860	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880 1050	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895 1070	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 905 690 905 1085	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095	0.7 1785 890 \$ 890 1095 1280 1415 1785 2125 2220 890 \$ 890 \$ 890 1095	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 865 ee note 865 1090	1770 845 4 845 1085 1285 1400 1770 2120 2135 845 4 845 1085	1765 825 825 1075 1280 1390 1765 2090 2085 825
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default:	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON CN SW3-2 OFF OFF ON	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 860 1015 1185 1400 1750 2080 2240 2240 860 860 860 1015	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710 900 710 900 1080 1260	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 690 905	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095 1275	0.7 1785 890 5890 1095 1280 1415 1785 2125 2220 890 890	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 865 ee note 865 1090 1280	1770 845 4 845 1085 1285 1400 1770 2120 2135 845 4 845	1765 825 1075 1280 1390 1765 2090 2085 825 825 1075
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF OFF	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF ON ON SW3-2 OFF OFF ON ON OFF	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 1015 1185 1400 1750 2080 2240 860 860 860 1015 1185	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880 1050 1220	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895 1070 1245	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710 900 710 900 1080	0.5 1780 905 085 1270 1425 1780 2105 2265 905 690 905 1085 1270	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095	0.7 1785 890 \$ 890 1095 1280 1415 1785 2125 2220 890 890 \$ 890 1095 1280	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 865 ee note 865 1090	1770 845 1085 1285 1400 1770 2120 2135 845 4 845 1085 1285	1765 825 1075 1280 1390 1765 2090 2085 825 825 1075 1280
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF OFF OFF OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF	1750 860 1015 1185 1400 1750 2080 2240 860 860 1015 1185 1400	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880 1050 1220 1415	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895 1070 1245 1420	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710 900 710 900 1080 1260 1425	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 690 905 1085 1270 1425	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095 1275 1420	0.7 1785 890 \$ 890 1095 1280 1415 1785 2125 2220 890 \$ 890 1095 1280 1415	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 865 ee note 865 1090 1280 1410	1770 845 1085 1285 1400 1770 2120 2135 845 4 845 1085 1285 1400	1765 825 1075 1280 1390 1765 2090 2085 825 825 1075 1280 1390
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON ON ON OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF ON ON ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF OFF OFF OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF ON	1750 860 1015 1185 1400 1750 2080 2240 860 690 860 1015 1185 1400 1015 1185 1400 1400 1400	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880 1050 1220 1415 1415 1415 1415	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895 1070 1245 1420 1420 1420	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 710 900 710 900 1080 1260 1425 1425 1425	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 905 690 905 1085 1270 1425 1425 1425 1425 1425	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095 1275 1420 1420 1420	0.7 1785 890 5 890 1095 1280 1415 1785 2125 2220 890 5 890 1095 1280 1415 1415 1415 1415	0.8 1775 865 1090 1280 1410 1775 2115 2175 865 865 1090 1280 1410 1410 1410	1770 845 4 845 1085 1285 1400 1770 2120 2135 845 4 845 1085 1285 1400 1400	1765 825 1075 1280 1390 1765 2090 2085 825 825 1075 1280 1390 1390
135C2422 Clg Switches Clg Default: CF Switches Low-Clg Default: Cooling Airflow (SW2) Low-Cooling Airflow (SW2) Low-Cooling Airflow (SW3) CF Switches Cont. Fan Default: Continuous Fan Airflow	SW2-3 OFF SW3-3 OFF OFF OFF OFF OFF ON ON ON ON ON ON ON ON ON OFF ON ON ON ON ON ON	SW2-2 OFF SW3-2 OFF OFF ON OFF OFF OFF OFF OFF OFF OFF	SW2-1 OFF SW3-1 OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON	1750 860 1015 1185 1400 1750 2080 2240 860 1015 1185 1400 1015 1185 1400 1400 1400	1765 880 710 880 1050 1220 1415 1765 2095 2255 880 710 880 1050 1220 1415 1415	0.3 1765 895 715 895 1070 1245 1420 1765 2100 2265 895 715 895 1070 1245 1420 1420	0.4 1775 900 710 900 1080 1260 1425 1775 2110 2270 900 900 710 900 1080 1260 1425 1425	0.5 1780 905 690 905 1085 1270 1425 1780 2105 2265 2265 905 690 905 1085 1270 1425 1425	0.6 1785 900 1095 1275 1420 1785 2115 2255 900 900 1095 1275 1420 1420	0.7 1785 890 \$90 1095 1280 1415 1785 2125 2220 890 \$90 \$90 \$90 \$90 \$90 \$90 \$90 \$	0.8 1775 865 ee note 865 1090 1280 1410 1775 2115 2175 865 865 865 1090 1280 1410 1410	1770 845 4 845 1285 1400 1770 2120 2135 845 4 845 1085 1285 1400 1400 1400	1765 825 1075 1280 1390 1765 2090 2085 825 825 1075 1280 1390 1390

1.Nominal 350 CFM/ton cooling airflow is delivered with SW1-5 and SW4-3 set to OFF.

Set SW1-5 to ON for nominal 400 CFM/ton (+15% airflow).

Set SW4-3 to ON for nominal 325 CFM/ton (-7% airflow).

Set both SW1-5 and SW4-3 on ON for nominal 370 CFM/ton (+7% airflow).

This applies to Cooling and Low-Cooling airflow, but does not affect continuous fan airflow.

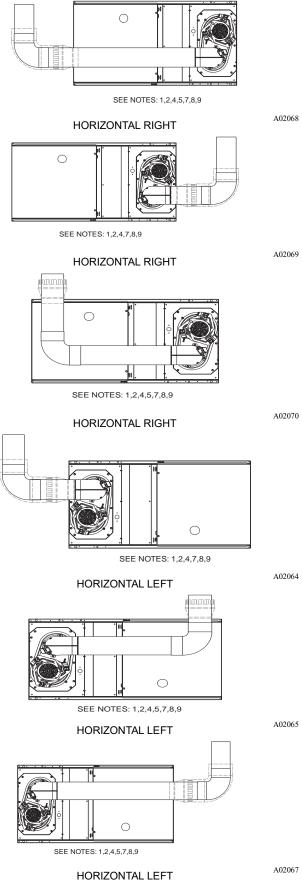
The above adjustments in airflow are subject to motor horsepower range/capacity.

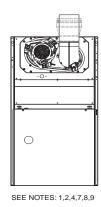
2.Maximum cooling airflow is achieved when switches SW2-1, SW2-2, SW2-3 and SW1-5 are set to ON, and SW4-3 is set to OFF.

3.All heating CFM's are when comfort/efficiency adjustment switch (SW1-4) is set to OFF

4.Ductwork must be sized for high-heating CFM within the operational range of ESP. Operation within the blank areas of the chart is not recommended because high-heat operation will be above 1.0 ESP.

5.All airflows on 21" casing size furnaces are 5% less on side return only installations.



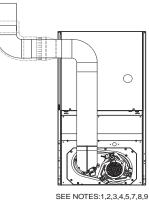


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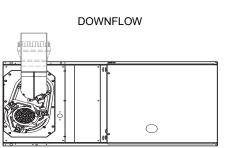


SEE NOTES: 1,2,4,5,7,8,9 DOWNFLOW

A02061



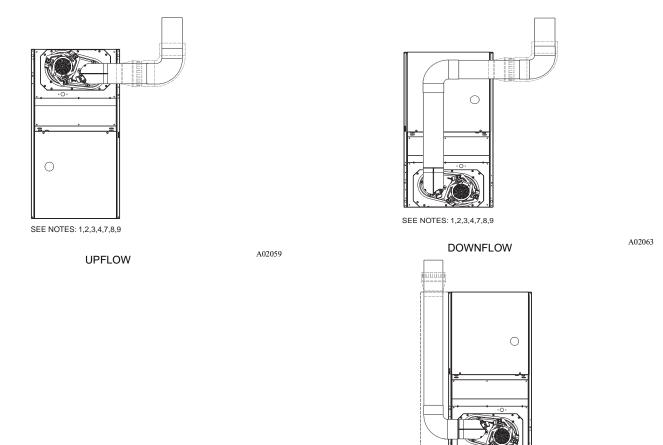
A02060



SEE NOTES: 1,2,4,5,7,8,9

HORIZONTAL LEFT

A02066



SEE NOTES: 1,2,4,5,6,7,8,9

DOWNFLOW

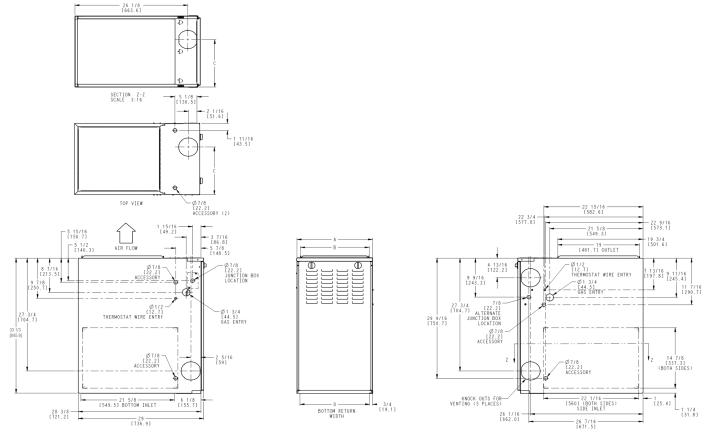
A02062

VENTING NOTES

- 1. For common vent, vent connector sizing and vent material: United States, latest edition of the National Fuel Gas Code (NFGC), ANSI Z223.1/NFPA 54.
- 2. Immediately increase to 5-in. (127 mm) vent connector outside furnace casing when 5-in. (127 mm) vent connector required, refer to Note 1.
- 3. Side outlet vent for upflow and downflow installations must use Type B vent immediately after exiting the furnace, except when Downflow Vent Guard is used in downflow position.
- 4. Type B vent where required, refer to Note 1.
- 5. 4-in. (102 mm) single wall vent must be used inside furnace casing and the Downflow Vent Guard Kit.
- 6. Accessory Downflow Vent Guard Kit required in downflow installations with bottom vent configuration.
- 7. Chimney Adapter Kit required for exterior masonry chimney applications. Refer to Chimney Adapter Kits for sizing and complete application details.
- 8. Secure vent connector to furnace elbow with (2) corrosion-resistant sheet metal screws, space approximately 180 apart.
- 9. Secure all other single wall vent connector joints with (3) corrosion-resistant screws spaced approximately 120 apart. Secure Type B vent connectors per vent connector manufacturer's recommendations.

11

DIMENSIONS



A190084

FURNACE SIZE	A CABINET WIDTH	B OUTLET WIDTH	C TOP AND BOTTOM FLUE COLLAR	D BOTTOM INLET WIDTH	VENT CONNECTION SIZE	SHIP WT. LB (KG)
045C1712	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16 (406)	4 (102)	118 (53.5)
070C1412	14-3/16 (360)	12-9/16 (319)	9-5/16 (237)	12-11/16 (322)	4 (102)	118 (53.5)
070C1716	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16 (406)	4 (102)	126 (57.1)
070C2120	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	147 (66.7)
090C1716	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16 (406)	4 (102)	134 (60.8)
090C2120	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	153 (69.4)
110C2120	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	156 (70.7)
135C2422	24-1/2 (622)	22-7/8 (581)	15-1/16 (383)	23 (584)	4 (102)*	169 (76.6)

*. 135 size furnace require a 5 or 6-in. (127 or 152 mm) vent. Use a vent adapter between furnace and vent stack. See Installation Instructions for complete installation requirements.

GUIDE SPECIFICATIONS

Gas Furnace General

SYSTEM DESCRIPTION

Furnish a ______ Variable speed gas-fired furnace for use with natural gas or propane (factory authorized conversion kit required for propane); furnish cold air return plenum.

QUALITY ASSURANCE

Unit will be designed, tested and constructed to the current ANSI Z 21.47/CSA 2.3 design standard for gas-fired central furnaces. Unit will be 3rd party certified by CSA to the current ANSI Z 21.47/CSA 2.3 design standard for gas-fired central furnaces.

Unit will carry the CSA Blue Star® label.

Unit efficiency testing will be performed per the current DOE test procedure as listed in the Federal Register.

Unit will be certified for capacity and efficiency and listed in the latest AHRI Consumer's Directory of Certified Efficiency Ratings.

Unit shall carry the current Federal Trade Commission Energy Guide efficiency label.

DELIVERY, STORAGE AND HANDLING

Unit shall be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

WARRANTY (for inclusion by specifying engineer)

U.S. only. Warranty certificate available upon request.

Products

EQUIPMENT

Components shall include: slow-opening two-stage dual fuel gas valve to reduce ignition noise, regulate gas flow, with electric switch gas shut-off; flame proving sensor, hot surface igniter, dual pressure switch assembly, flame rollout switch, ICM blower and two speed inducer assembly, 40va transformer; low-voltage (heating) (heating/cooling) thermostat.

Blower Wheel and ECM Blower Motor

Galvanized blower wheel shall be centrifugal type, statically and dynamically balanced. Blower motor of variable speed ECM type shall be permanently lubricated with sealed ball bearings, of _____hp, and supplies delivers requested airflow CFM as defined by signals received from furnace control. Blower motor shall be direct drive and soft mounted to the blower scroll to reduce variation transmission.

Filters

Furnace may have reusable-type filters. Filter shall be ______ in. (mm) (x) ______ in. (mm) An accessory high efficiency Media Filter is available as an option. ______ Media Filter.

Casing

Casing shall be of .030 in. (.76 mm) thickness minimum, pre-painted steel.

Two Speed Inducer Motor

Two Speed Inducer motor shall be soft mounted to reduce vibration transmission.

Flame Rollout Switch

Flame Rollout Switch shall be factory installed near burner area to further reduce the possibility of a stuck gas valve or failed inducer motor.

Heat Exchangers

Heat exchangers shall be a 4-Pass 20 gage corrosion resistant aluminized steel of fold-and-crimp sectional design when applied operating under negative pressure.

Controls

Control shall include a micro-processor based integrated electronic control board with at least 11 service troubleshooting codes displayed via enhanced flashing LED diagnostic light on the control, a self-test feature that checks all major functions of the furnace within one minute, and a replaceable automotive-type circuit protection fuse. Multiple operational settings available including separate blower speeds for low heat, high heat, low cooling, high cooling and continuous fan. Continuous fan speed may be adjusted from the thermostat. Cooling airflow will be selectable between 350 or 400 CFM per ton of air conditioning. Features will also include temporary reduced airflow in the cooling mode for improved dehumidification when an Infinity[®] Control or Thermidistat[™] is selected as the thermostat.

OPERATING CHARACTERISTICS

Heating Capacity shall be _____ Btuh input; _____ Btuh output capacity.

Fuel Gas Efficiency shall be 80% AFUE.

Air delivery shall be _____ CFM minimum at 0.50 In. W.C. external static pressure.

 Dimensions shall be: depth ______ in. (mm); width ______ in;

 height ______ in. (mm) (casing only). Height shall be ______ in.

 (mm) with A/C coil and ______ in. (mm) overall with plenum.

ELECTRICAL REQUIREMENTS

Electrical supply shall be 115 volts, 60 Hz, single-phase (nominal). Minimum wire size shall be _____AWG; maximum fuse size or circuit breaker shall be Amps.

SPECIAL FEATURES

Refer to section of the product data sheet identifying accessories and descriptions for specific features and available enhancements.

58TN0A/58TN1A: Product Data