







				Wholesale Dis	tributors					
lome	Wholesale Newsletter	Sigler TV	Literature	Online Ordering	Calendar	Service Info	Links	Contact		
It's yo in to	s back to school season and our career. Our plan is to of Concord simultaneously bu interact with the class and	d Sigler Whole fer live in-pers roadcast on th ask questions	sale Distributor son training insi- ne internet for th s to the presente	s is giving you great de our branches. Wr nose students wanti er.	opportunities e will also cont ing to learn rer	to tune your skil inue to offer a liv note. These stud	is and beco estream op ents will stil	me more proficie ition with the cla: l have ample opp	ent in sses held portunity	
Co	ompany Name									
Pr	imary Contact		_							
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Home	Wholesale Newsletter	Sigler TV	Literature	Online Ordering	<i>tributors</i> Training	Calendar	Service Info	Links	Contact	
it yı ta C P	's back to school season an our career. Our plan is to of concord simultaneously b o interact with the class and ompany Name rimary Contact rimary Contact Email	d Sigler Whole ffer live in-pers roadcast on th I ask questions	sale Distributo on training ins e internet for i to the presen	rs is giving you great ide our branches. W those students want ter.	: opportunities 'e will also con' ing to learn rei	to tune your s tinue to offer a mote. These st	skills and becom livestream optie udents will still h	e more pro on with the lave ample	ficient in classes held opportunity	

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it's yo in to Co	s back to school our career. Our p Concord simulta interact with the ompany Name	season and Sig Ilan is to offer l aneously broac e class and ask	gler Wholesa live in-perso fcast on the c questions t	le Distribute n training in internet for o the preser	ors is giving you grea side our branches. V those stüdents wan ater.	t opportunities /e will also cont ting to learn rer	to tune your ski inue to offer a li note. These stuc	ills and beco ivestream o dents will st	me more profi otion with the o Il have ample o	cient in dasses held apportunity
Pr	imary Contact									
Pr	imary Contact Er	mail								
w	hat Makes the Pl This class will pressure, con systems, best technicians ai Each class is f Cost = 50 4 hours of NA	hone Ring? (tai l answer many figuring dual f t practices whe nd newer servi from 8:00 until ATE CEU and 4	ught by Mich of the comm uel systems, en installing ice people. 12:00 hours of CF/	n <mark>ael Sardina</mark> nonly asked familiarizat furnaces, du AD training o	) questions received ton with blower spe cutless troubleshoot	to the Sigler cus eds and PWM m ng and much m	tomer assuranc otors, understa ore. It will be fac	e team. Thi nding comn st-paced cla	includes settin nunication for I ss ideal for boti	ng gas nfinity h seasoned
FI	rst & Last Name mail Address:	5								
E.					Contraction of the local states of the	the state list - 10	the second second		4 mm 10 17 11 11	ime

Fan Coil Options and	<u>Installation (taught by Pat Burk</u>	<u>e)</u>			
<ul> <li>Welcome to Fai handlers with r class will be teo paired with fan</li> <li>Each class is from</li> </ul>	n Coil schoolwhere it is not just new learning material. A student :hnical training on new fan coil m : coils. om 8:00 until 11:00	t a fan in a box anymor can expect topics like c nodels and accessories.	e! In this new class, t lownflow conversion Think talking points	echnicians will be ma and electric heat wiri like ducted ductless a	de familiar with existing a ng. Also included in the li nd 24-volt interface kits
<ul> <li>Cost = \$0</li> <li>3 hours of NAT</li> </ul>	E CEU and 3 hours of CEAD train	ing credit			
- Should of that		ing create			
First & Last Name:					
Email Address:					
Class:	□ 11/1 (South San Francisco)	🗆 11/3 (Santa Rosa)	🗆 11/8 (San Jose)	11/10 (Concord)	🗆 11/10 (Livestream)
First & Last Name					
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Class:	□ 11/1 (South San Francisco)	🗆 11/3 (Santa Rosa)	🗆 11/8 (San Jose)	□ 11/10 (Concord)	🗆 11/10 (Livestream)
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First & Last Name:					
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		- 110/C D	11/0 (Care lana)	11/10/Caraant	14/40 /l handbarrant

<ul> <li>Ductless syster the products, h</li> <li>Each class is fro</li> <li>Cost = \$0</li> <li>3 hours of NAT</li> </ul>	ns (both with and without ducts) a low they work, the best application om 8:00 until 11:00 E CEU and 3 hours of CFAD trainin	are becoming increasing ns and give them the cor ng credit	ly popular. This class v nfidence to offer solut	vill give salespeople a ions at the kitchen tab	better understanding ole.
First & Last Name:					
Email Address:		-	4.0.000.000.00	A	-
Class?	11/14 (South San Francisco)	11/15 (Santa Rosa)	11/16 (San lose)	11/17 (Concord)	11/17 (Livestrear

	sales, install and startup (taught b)	<u>y Vinny Albano) Just adde</u>	ed!		
<ul> <li>The single pha it's not going to introductory of requirements both areas diff product family</li> <li>Each class is fr</li> <li>Cost = \$0</li> <li>3 hours of CFA</li> </ul>	se VRF heat pump product by Tosl o replace all of your unitary equipr lass for both salespeople and insta and basic bidding strategy. Knowir fer from traditional split systems. E to your homeowners. om 8:00 until 11:00 D training credit	hiba-Carrier is a great so ment sales, it definitely d allers, we'll review the pr ng how the product is ins By the end of this class, y	lution for residential eserves a spot in you oduct capabilities, ad talled and operates ou'll have the confide	applications that is gro Ir Good-Better-Best str vantages/disadvantage is key for both salespec- ence to begin selling th	wing in popularity. Wh ategy. In this :s, installation ople and installers since is versatile and powerf
First & Last Name:					
First & Last Name: Email Address:					
First & Last Name: Email Address: Class:	□ 11/29 (South San Francisco)	🗆 11/30 (Santa Rosa)	□ 12/1 (Concord)	12/1 (Livestream)	🗆 12/2 (San Jose)
First & Last Name: Email Address: Class: First & Last Name:	11/29 (South San Francisco)	🗆 11/30 (Santa Rosa)	□ 12/1 (Concord)	□ 12/1 (Livestream)	🗆 12/2 (San Jose)
First & Last Name: Email Address: Class: First & Last Name: Email Address:	□ 11/29 (South San Francisco)	🗆 11/30 (Santa Rosa)	□ 12/1 (Concord)	12/1 (Livestream)	🗌 12/2 (San Jose)

## Carrier University

- Several Carrier University classes are being offered virtually this fall. These are all exclusive for our Factory Authorized Dealers. Please contact
  your territory manager for more details.
- 15 Keys to Contractors Success (October 17-18 and October 27-28)
- Customer Driven Sales (October 17-18 and October 27-28)
- Customer Service Excellence (October 18)
- Dispatching Excellence (October 19 and October 25)
- HVAC Onboarding (October 20-21)
- Improving Airflow with Aerodynamic Fittings (October 20 and October 21)
- Pricing a Job Correctly (October 20 and October 21)
- Selling Indoor Air Quality (October 18 and October 25)
- Successful Service for Today's HVAC Company (October 24)
- Top Gun Technician Excellence: Beyond Diagnostics (October 25-26)















Residential Technical Support Direct Text and Voicemail Line! 415-330-6666



























## Entry Tier Furnace Control Near Field Communication





Sigler Wholesale Distribut

- Used by Apple Pay and other contactless payment systems
- Installer recipe and user settings can be read, adjusted, and loaded into furnace control without switches or contact with the furnace control
- Non-powered, so information can be exchanged with furnace power in OFF state
- Allows for information transfer from existing control to new control easily
- Allows for runtime data
  - Fault code historyRuntime cycles/hours











































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## Gas pressure set up.... Factory done?

Basic start up check is done after production, however, a correct start

up (gas pressure/airflow verification), is our responsibility on **EVERY** install. Most common thoughts are "shouldn't have that been done at factory?", "I've been installing for a long time and never had to set gas pressure".

Changes, improvements, are just a couple reasons why we need to crack that install manual on every job. Sometimes the installs are all the same, but things are overlooked by assuming.



## Inlet Gas Pressure For LP Furnaces: 12 inches WC– 13.6 inches WC

OUTPUT Bee Note Be SOATIE Voli La Note DI-I	ILEO BTU/HR Leseous BTU PAR HRE	97.000	63.000	-		DATE OF MANUFACTURE MOTOR H P
AIR TEMPERATURE RISE	-010.F	40-70	30-00			ANY 221.41 -2018-CBL22-2014 Centre Funt CALL AND ANTICAL DATA ANTICAL CALL DATA
EMPERATEUR DE L'AIR	1010.01	22 = 39	17-33	-		AND CERTIFIED
DESIGN MAX. OUTLET	080. #	186	190			C THE AND
CONCU POUR UNE TEMPER MAX. D'AIR DE BORTIE DE	CEO. C	85	91	-		INPUT See Same Secure 2010/06 100.000 55,000 -
FOR PURPOSE OF INPUT	ADJUSTMENT	POUR L'ADJU	STMENT D	ENTREE		DUTPUT Sax Note Setue BTUMM 87,000 63,000 -
	MANICO	D PDC COUIDC ID		1010 1055		AIR TEMPERATURE RISE 200.7 40-70 30-60 -
AL HYODE	MANIFOR	D FRESSUREP	RESOLUTION	OBOLONE		TEMPERATEUR DE L'AIR DEG 6 22-39 17-33 -
) - 4,600 FT.	IN. W.C. / PO C.	E. 0.2-11	11-17	-		AIR TEMPERATURE DEC. F 185 195 -
1 - 1372 m	KPa	0.30-0.95	1.12-0.42	2.1		MAX, D'AND DE BONTHE DE DEGL. C. 85 BT -
.600 - 10.000 FT.	RITE	TO INSTALLATIO	IN MANUAL			(FOR PURPOSE OF IMPUT ADJUSTMENT) (POUR L ADJUSTMENT D'ENTROL
1372 - 3060 m	RESPECTER	LES INSTRUCTION	ON DINSTAL	LATION		4 - 4 500 FT. IN. W.C. / PO C.E. 12-3.8 13-17 -
		I IN W.C. F	PO C. E.	XP1		0 - 1372 m KPg 2.01-2.15 212-2.27 -
CAR, HEATING EXT. BIRTID PIRES. ARRE, BIRTIQUE EXT. MAR. TH MIL	OF OF CRADINAGE	0.8	K 1	0.125		4.686 - 18.686 FT. BEES TO ASTALLATION MANUAL 1372 - 3056 m BEPECTER LES INSTRUCTION D'INSTALLATION IN W/C - DED C - K
NAT. INC. T CAR PARENCE DE 1047		13.		3.30		Mar marine für Blanz Parte in Cytannad 0.6 0.126
IN THEFT OAK FREEKUNG			-	7.42		Hall might and processing in said
IN SH. MIN D'ADMIN DON DE 1942	1948	to Land	anery .	AND DESCRIPTION		For impainten in scole Tar Boos BACK FACK FORT VENT TURN BETTE
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ANDWE NOTE THE STREET	nn   194   1		10	0 010		THE HAP CATEGORY IN DELT HAT FORCED AN FUNCT. THE HAP CATEGORY IN SUPERATION DAR COADS A VIACIATION DIRECTLAT A AN FUNCT
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ENSEMBLES	DE CONVERSION A	U GAZ AUTORI	ES PAR L'I	URINE		due to stand gas angular progenting and the install-attant above CODE to in the QLLA, the insult reaction attant does CODE to install attant above CODE to install attant atta
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40402           80402           80402           80402           904           90           90           90           90           90           90           90           90           90           90           90           90           90           90           90           90           900	Lat         Lat         Lat         Lat         Lat           #A.NUNG         1         1         1         1         1           #A.NUNG         1         1         1         1         1         1           #B.W.H         1         1         1         1         1         1         1         1           #B.W.H         1	• Information can also be found in the installation book.
































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## <sup>9th</sup> Step



\*Remove manometer from inlet pressure tap of the gas valve.

\*Tighten screw on inlet port.

## <sup>10th</sup> Step

With the power, gas and gas valve control switch still in the off position at this time we are going to move over to the outlet port on the gas valve and start checking and adjusting the manifold gas pressure in high and low heat.

Only turn the 3/32-in.hex One Full Turn CCW.















![](_page_41_Figure_1.jpeg)

![](_page_41_Picture_3.jpeg)

![](_page_42_Picture_1.jpeg)

![](_page_42_Picture_3.jpeg)

![](_page_43_Picture_1.jpeg)

![](_page_43_Picture_3.jpeg)

![](_page_44_Figure_1.jpeg)

![](_page_44_Picture_3.jpeg)

![](_page_45_Picture_1.jpeg)

![](_page_45_Figure_3.jpeg)

			1116								Wholes
Infi	nity®	98 G	as Fur	rnace	With	Green	speed	® Inte	elligen	ce	
			CONV	ERSION	KIT F	ATING	PLATE				
PROCEDURES. U SEE EXISTING R/ NOTE: Furnace gas i be derated by 2% fo KIT NO: AGAGC9NPS0	USE PAR ATING PL nput rate or r each 1000 1B (SUPE NAHDO	TS SUPPLI ATE FOR A rating plate i ft. (305m) abo RSEDES: KGB 10901LP, NAHE AL	ED BY MA APPLIANC s for installat ove sea level. NP50011SP, K 301001LP, AG/	NUFACTU E MODEL ions up to 200 In Canada th (GANP51012S AGC9NPS01A) OF INST	RER AND NO. AND II 00 ft. (610m) a be input rating P, KGCNP5201 ALLATIC	INSTALLE NPUT RAT bove sea leve must be dera IVSP, DN (FT. A	D BY QUA ING. el. In U.S.A. tl ated by 5% for FUEL USI INLET PR ABOVE S	LIFIED PEI he input rating raltitudes of 2 ED: PROPAN ESSURE (mi EA LEVE	rsonnel. g for altitudes 2000 ft. (610m) IE GAS n - max): 12. EL) U.S./	above 2000 ft. ( to 4500 ft. (137 0 - 13.6 in. wc A. *	610m) must 2m) above se
MODELS $\Delta$		0 to 2000	2001 * to 3000	3001 to 4000	4001 to 5000	5001 to 6000	6001 to 7000	7001 to 8000	8001 to 9000	9001 to 10000	
	Orifice	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm	
59MN 987M					Innifold	0	0		-		
59MN, 987M, (F/G)9MA,	No.			n	lannoid	Pressur	e				1044.44
59MN, 987M, (F/G)9MA, (F/G)97C	No. MAX	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	體禁
59MN, 987M, (F/G)9MA, (F/G)97C	No. MAX INT	11.0 5.8	11.0 5.5	11.0 5.5	11.0 5.5	11.0 5.4	11.0 5.4	11.0 5.4	11.0 5.3	11.0 5.3	

			_							
		Table 21 – Orifi	ice Size a	nd Manifold TWO-STA	Pressur GE FUF	e (In. W.C.) f RNACE	or Gas	Input Rate		
	(TABULA	TED DATA BASE	D ON 20,	000 BTUH HI	GH-HEA	7/ 13,000 BTU	JH LOW	HEAT PER B	URNER	
1	ALTITUDE	AVG. GAS	KATED	2/01000 FT (3	SPECI	FIC GRAVITY	OF NA	TURAL GAS		
	RANGE	HEAT VALUE		0.58		0.60		0.62	· · · · ·	0.64
		AT ALTITUDE	Orifice	Mnfld Press	Orifice	Mnfld Press	Orifice	Mnfld Press	Orifice	Mnfld Press
<u> </u>	ft (m)	(Btu/cu ft)	No.	High/Low	No.	High/Low	No.	High/Low	No.	High/Low
	1	900	43	3.8 / 1.6	42	3.2/1.4	42	3.3/1.4	42	3.4 / 1.4
	0	925	43	3.6 / 1.5	43	3.7 / 1.6	43	3.8 / 1.6	42	3.2 / 1.4
nad	(0)	950	43	3.4 / 1.4	43	3.5 / 1.5	43	3.6 / 1.5	43	3.7 / 1.6
S		975	44	3.7 / 1.6	44	3.8 / 1.6	43	3.4 / 1.5	43	3.6 / 1.5
pue	to	1000	44	3.5 / 1.5	44	3.6 / 1.5	44	3.8 / 1.6	43	3.4 / 1.4
×		1025	44	3.3 / 1.4	44	3.5 / 1.5	44	3.6 / 1.5	44	3.7 / 1.6
S	2000	1050	44	3.2 / 1.3	44	3.3 / 1.4	44	3.4 / 1.4	44	3.5 / 1.5
-	(610)	1075	45	3.7 / 1.6	45	3.8 / 1.6	44	3.3 / 1.4	44	3.4 / 1.4
_		1100	46	3.7 / 1.6	46	3.8 / 1.6	45	3.8 / 1.6	44	3.2 / 1.4
	U.S.A.	800	42	3.4 / 1.4	42	3.5 / 1.5	42	3.6 / 1.5	42	3.7 / 1.6
qa	2001 (611)	825	43	3.8 / 1.6	42	3.3 / 1.4	42	3.4 / 1.4	42	3.5 / 1.5
ana	to	850	43	3.6 / 1.5	43	3.7 / 1.6	42	3.2 / 1.3	42	3.3 / 1.4
ö	3000 (914)	875	43	3.4 / 1.4	43	3.5 / 1.5	43	3.7 / 1.5	43	3.8 / 1.6
and		900	44	3.7 / 1.6	44	3.8 / 1.6	43	3.5 / 1.5	43	3.6 / 1.5
4	Canada	925	44	3.5 / 1.5	44	3.6 / 1.5	44	3.8 / 1.6	43	3.4 / 1.4
U.S	2001 (611)	950	44	3.3 / 1.4	44	3.4 / 1.5	44	3.6 / 1.5	44	3.7/1.6
	to	975	44	3.2 / 1.3	44	3.3/1.4	44	3.4/1.4	44	3.5 / 1.5
	4500 (1372)	1000	46	3.8 / 1.6	45	3.8 / 1.6	44	3.2/1.4	44	3.3/1.4

					Si Wholesale
	AGAGC9NPS01B Condensing (90% 40,000 BTUH to 14	Gas Conversion Kit, Natural to +) Furnaces 40,000 BTUH Models Only	Propane		
VO-STAG ndensing Fur 1 a.) Modula M (VCA), 1 flow ECM ( nstant Torque	E & MODULATING GAS VALVE naces with 40,000 through 120,000 Bmb gas input rate ting gas valve with Variable-Speed Constant Airflow ) Two-Stage gas valve with Variable-Speed Constant VCA), or c.) Two-Stage gas valve with Variable-Speed ECM (VCT) blower motor.	Table 3 – TW	O-STAGE & MO FURN	ODULATING CO ACES	ONDENSING
	Table 1 - Kit Contents	M	DEL NUMBERS	REGINNING WIT	H
UANTITY	DESCRIPTION		JULL HUMDENS	DE OMMINIO MIL	
2	VALVE CVRSN KIT - W/R SPRING 92-0659	59MN	59T(N/P)	PG96V	PG95X
1	OBIEICE 1 25mm	00714	OORT	025T	008T
7	ORIFICE - 1.20mm	901 M	9001	8201	8201
7	MIXER SCREW - CONDENSING EURNACES		1010101010	(EIC)OMB/	(E(C)081/
7	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2"	(E/G)97C			
7 7 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR. SPLC - 3/18"	(F/G)97C	(F/G)9MA	(F/G)amv	(F/G)80V
7 7 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR, SPLC - 3/16" CONNECTOR - 1/4QC ME BOTH ENDS	(F/G)97C (F/G)	(F/G)9MA 9MXT	(F/G)awiv (F/G	98C
7 7 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR, SPLC - 3/16" CONNECTOR - 1/40C ME BOTH ENDS ELEOW.STREET - 1050 1/8" NPT	(F/G)97C (F/G)	(F/G)9MA 9MXT	(F/G)ewv (F/G	(F/G)80V )98C
7 7 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR, SPLC - 3/16" CONNECTOR, SPLC - 3/16" CONNECTOR - 1/40C ME BOTH ENDS ELBOW.STREET - 150# 1/8" NPT ELBOW.STREET - BRASS 1/8" NPT	(F/G)97C (F/G)	(F/G)9MA 9MXT	(F/G)emv (F/G	(F/G)80V )98C
7 7 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR, SPLC - 3/16" CONNECTOR, SPLC - 3/16" CONNECTOR - 1/4QC ME BOTH ENDS ELBOW.STREET - 150# 1/8" NPT ELBOW.STREET - BRASS 1/8" NPT NIPPLE - HEX (BRASS)	(F/G)97C (F/G)	(F/G)9MA 9MXT	(F/G)ewiv (F/G	(F/G)80V )86C
7 7 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR - SIZES 1/8" NPT X2" CONNECTOR - 1/40C ME BOTH ENDS ELBOW.STREET - 1/60 1/8" NPT ELBOW.STREET - BRASS 1/8" NPT NIPPLE - HEX (BRASS) SWITCH.PRESSURE	(F/G)97C (F/G)	(F/G)9MA 9MXT	(F/G)ewv (F/G	(F/G)80V )96C
7 7 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 118" NPT X2" CONNECTOR - SPLC - 3116" CONNECTOR - 1140C ME BOTH ENDS ELBOW.STREET - 150# 118" NPT ELBOW.STREET - BRASS 118" NPT NIPPLE - HEX (BRASS) SWITCH.PRESSURE TEE - MALE BRANCH (BRASS)	(F/G)07C (F/G)0	(F/G)9MA 9MXT	(F/G)emv (F/G)	(F/G)e0V )96C
7 7 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR, SPLC - 3/16" CONNECTOR, SPLC - 3/16" CONNECTOR, SPLC - 3/16" ELBOW,STREET - 1609 1/8" NPT ELBOW,STREET - 1609 1/8" NPT NIPPLE - HALE (BRASS) SWITCH, PRESSURE TEE - MALE BRANCH (BRASS) TEE, STREET - MALE BRANCH (BRASS)	(F/G)07C (F/G)0 The 83	(F/G)®MA 9MXT 0C and 93	(F/G)awv (F/G)	
7 7 1 1 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR - SIZES 1/8" NPT X2" CONNECTOR - 1/40C ME BOTH ENDS ELBOW.STREET - 160# 1/8" NPT NIPPLE - HEX (BRASS) SWITCH-PRESSURE TEE - MALE BRANCH (BRASS) TEE. STREET - MALE BRANCH (BRASS) BIT, DRILL 7/64" CONDENSING	(F/G)07C (F/G)0 (F/G)0 (F/G)0	(F/G)PMA PMXT OC and 93	(F/G)/WWV (F/G) BSC ULN fr	urnace
7 7 1 1 1 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 118" NPT X2" CONNECTOR - SPLC - 3116" CONNECTOR - 1140C ME BOTH ENDS ELBOW,STREET - 150# 118" NPT ELBOW,STREET - BRASS 118" NPT NIPPLE - HEX (BRASS) SWITCH,PRESSURE TEE - MALE BRANCH (BRASS) TEE, STREET - MALE BRANCH (BRASS) BIT, DRILL 716# CONDENSING WIRE ASSY - ORANGE	(F/G)07C (F/G)0 The 830	OC and 93	(F/G)dWV (F/G)	urnace
7 7 1 1 1 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR - SHOEN SI/8" NPT CONNECTOR - 1/4QC ME BOTH ENDS ELBOW.STREET - 1609 1/8" NPT ELBOW.STREET - 1609 1/8" NPT NIPPLE - HALE (BRASS) SWITCH.PRESSURE TEE - MALE BRANCH (BRASS) TEE.STREET - MALE BRANCH (BRASS) BIT, DHILL 7/64" CONDENSING WIRE ASSY - ORANGE WIRE ASSY - ORANGE	(F/G)07C (F/G)0 The 830	(F/G)9MA 9MXT OC and 93 s not LP c	(F/G)(INV (F/G) 35C ULN fr ompatible	urnace
7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MIXER SCREW - CONDENSING FURNACES CONNECTOR - BRASS 1/8" NPT X2" CONNECTOR - SIZES 1/8" NPT X2" CONNECTOR - 1/40C ME BOTH ENDS ELBOW.STREET - BRASS 1/8" NPT NIPPLE - HEX (BRASS) SWITCH.PRESSURE TEE - MALE BRANCH (BRASS) TEE. STREET - MALE BRANCH (BRASS) BIT, DRILL 7/84" CONDENSING WIRE ASSY - ORANGE WIRE ASSY - ORANGE LABEL 346161-201 through 346161-205	(F/G)07C (F/G)0 (F/G)0 (F/G)0 (F/G)0 (F/G)0 (F/G)0 (F/G)0 (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)07C (F/G)0 (	(F/G)9MA 9MXT OC and 93 5 not LP c	(F/G) (F/G) 35C ULN fr ompatible	urnace

![](_page_47_Picture_3.jpeg)

![](_page_48_Picture_1.jpeg)

![](_page_48_Picture_3.jpeg)

![](_page_49_Figure_1.jpeg)

![](_page_49_Picture_3.jpeg)

![](_page_50_Figure_1.jpeg)

![](_page_50_Figure_3.jpeg)

![](_page_51_Picture_1.jpeg)

![](_page_51_Picture_3.jpeg)

![](_page_52_Picture_1.jpeg)

![](_page_52_Picture_3.jpeg)

![](_page_53_Figure_1.jpeg)

![](_page_53_Figure_3.jpeg)

![](_page_54_Figure_1.jpeg)

58SB0A045E1412 →						MARCENER	Sigler Wholesale Distributors
58SB0A045E1712	58SB1A070E1716						
58SB0A070E1412	58SB1A070E2116						
58SB0A070E1712	58SB1A090E1714						
58SB0A070E1716	585814090E2116					Carrier	
58SB0A070E2116	565B1A050E2110						
58SB0A090E1714	58SB1A090E2120						
58SB0A090E2116	58SB1A090E2420						
58SB0A090E2120	58SB1A110E2120	-			_	V	
58SB0A090E2420	58SB1A110E2420						
58SB0A110E2120	58SB1A135E2420	58SE 80%	AFUE,	SB1A Single S	itage,	Multi-Speed ECM,	(Carrier)
58SB0A110E2420	58SB1A155E2420	4-Wa	y Multi	poise, N	lon-C	ondensing Gas Furnace	Turn to the experts
58SB0A135E2420							
58SB0A155E2420		CARRIER	FER	PAYNE	FER	DESC	RIPTION
58SB1A045E1412		58STX 58DLX	585C1A 585C1A	PG8JAA	PG8E	80% SINGLE stage PSC motor 80% SINGLE stage PSC motor 80% SINGLE stage PSC motor w/ins	ultated Cabinet
58SB1A045E1712		58PHY 58CTY	58SC1A 58TP1A			80% SINGLE stage X13 motor SEER B 80% Performance TWO stage PWM	Boost motor

![](_page_55_Figure_1.jpeg)

![](_page_55_Figure_3.jpeg)

![](_page_56_Figure_1.jpeg)

![](_page_56_Figure_3.jpeg)

58SC0A/58SC1A 80% AFUE, Single-Stage, Multi-Speed ECM, 4-Way Multipoise, Non–Condensing Gas Furnace

![](_page_57_Picture_2.jpeg)

Turn to the experts

		Table 3 - All	Denvery	- Craig	with F	mer)					_														
Furnace	Wire Lead	Function	1		Test Air	law Delive	ry 🖲 Vari	ious Exter	nal Static	Pressures		_	C	Gray	Cooling. Do not use for heating.	1650	1615	1580	1545	1515	1480	1445	1415	1380	133
10000	Color		0.1	0.2	9.3	0,4	0.5	0.6	0.7	0,8	0.9	1		Yellow	Alt Cooling. Do not use for heating	1405	1365	1325	1285	1250	1215	1175	1140	1100	100
	Gray	Cooling. Do not use for heating.	1230	1190	1155	1120	1080	1045	1010	975	935	895	070E17~16	Orange	Alt Cooling or alt Heating	1255	1215	1175	1130	1090	1090	1010	970	930	89
	Yellow	Alt Cooling or alt Heating	980	945	920	890	855	815	770	735	690	645	1.0	Blue	Heating or alt Cooling	1185	1140	1095	1050	1005	1005	920	880	840	- 80
045E14-12	Orange	Alt Cooling or alt Heating	730	720	685	640	600	560	.520	475	430	385		Red	Alt Cooling. Do not use for heating.	1100	1050	1005	960	915	915	825	785	740	70
	Blue	Heating or alt Cooling	710	660	620	580	540	490	455	415	375	335		Gray	Cooling. Do not use for heating.	1735	1685	1640	1595	1545	1495	1450	1405	1360	131
	Red	Alt Cooling. Do not use for heating.	600	540	.500	455	415	385	345	305	215			Yellow	Alt Cooling or alt Heating	1480	1435	1395	1340	1290	1240	1190	1135	1085	10
	Gray	Cooling. Do not use for heating.	1370	1335	1295	1255	1215	1175	1135	1095	1055	1020	070E2116	Blue	Heating or alt Cooling	1315	1275	1225	1180	1135	1085	1030	975	915	86
	Yellow	Alt Cooling or alt Heating	1130	1085	1040	995	955	910	865	825	780	730		Orange	Alt Cooling or alt Heating	1135	1080	1030	985	935	885	835	770	705	64
045E17-12	Orange	Alt Cooling or alt Heating	930	885	835	795	745	700	655	600	545	495		Red	Aft Cooling. Do not use for heating	980	930	875	820	775	715	665	595	\$30	45
	Blue	Heating or alt Cooling	760	720	670	625	580	515	460	410	355	300		Gray	Cooling. Do not use for heating.	1355	1320	1285	1245	1210	1165	1125	1080	1025	st
	Roi	Alt Cooling. Do not use for heating.	610	500	445	375	320	260	200	135		· · ·	-	Yellow	Alt Cooling or alt Heating	1295	1255	1220	1185	1140	1100	1055	1005	955	- 81
	Gray	Ceoling. Do not use for heating.	1205	1170	1143	1105	1070	1035	1000	960	925	885	090E17-14	Blue	Heating or alt Cooling	1220	1185	1150	1105	1065	1025	975	915	840	74
	Blue	Heating or alt Cooling	1095	1060	1030	995	960	925	885	840	800	735		Orange.	Alt Cooling or alt Heating	1030	985	940	900	845	790	715	655	590	53
070E14-12	Yellow	Alt Cooling or alt Heating	920	880	845	805	765	730	685	620	560	510		Red	Alt Cooling. Do not use for heating.	945	905	855	800	750	670	600	.540	490	43
	Orange	Alt Cooling. Do not use for heating.	715	650	610	575	520	465	410	380	305	245		Gray	Cooling. Do not use for heating.	1625	1580	1535	1490	1445	1395	1340	1260	1135	- 99
	Red	Alt Cooling. Do not use for heating.	635	490	445	375	315	270	205	230	190	140		Yellow	Alt Cooling or alt Heating	1425	1380	1335	1290	1235	1185	1125	1075	1020	64
	Gray	Cooling. Do not use for heating.	1185	1140	1095	1055	1005	960	915	865	820	780	090E2116	Blue	Heating or alt Cooling	1440	1395	1350	1305	1255	1200	1145	1090	1040	95
	Yellow	Alt Cooling or alt Heating	1000	940	895	850	800	750	695	650	600	255		Orange	Alt Cooling or alt Heating	1260	1210	1160	1105	1050	990	935	880	820	75
70E17-12	Blue	Heating or alt Cooling	990	935	895	845	790	740	690	640	550	515	-	Red	Alt Cooling. Do not use for heating	1095	1040	980	905	845	780	720	650	585	- 52
	Orange	Alt Cooling or alt Heating	855	775	720	650	605	569	495	435	385	335	1	Gray	Cooling. Do not use for heating.	2180	2130	2080	2030	1980	1925	1870	1805	1745	16
	Red	Alt Cooling, Do not use for heating,	860	685	515	445	385	340	275	205	- 41	1.00		Yellow	Alt Cooling or alt Heating	1900	1845	1795	1740	1685	1635	1570	1500	1435	135
			-	-					1000 0	-		_	090E2120	Blue	Heating or alt Cooling	1685	1620	1565	1503	1455	1385	1320	1260	1200	114
Furnace	Wire Lead	Function			Test Airf	ow Delive	ry @ Vari	ous Exter	nal Static	Pressures				Orange	Alt Cooling or alt Heating	1390	1315	1240	1175	1095	1030	970	900	825	76
	Coor		9.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	8.9	1		Red	Alt Cooling. Do not use for heating.	1240	1155	1075	990	915	835	765	690	615	55
	Gray	Cooling. Do not use for heating.	2250	2190	2130	2070	2005	1950	1885	1820	1755	1685	· · · · · · · · · · · · · · · · · · ·	Gray	Cooling. Do not use for heating.	2190	2135	2075	2015	1960	1900	1835	1775	1705	163
	Blue	Heating or alt Cooling	1995	1930	1865	1800	1740	1670	1605	1535	1465	1400	1.	Yellow	Alt Cooling or alt Heating	1870	1810	1745	1685	1625	1565	1495	1420	1345	12
0E2420	Yellow	Alt Cooling or alt Heating	1540	1460	1385	1305	1235	1165	1095	1035	955	890	090E2420	Blue	Heating or all Cooling	1580	1510	1445	1385	1320	1240	1175	1115	1050	97
1111	Orange	Alt Cooling. Do not use for heating,	1345	1195	1135	1055	980	920	845	770	695	620		Orange	Alt Cooling or alt Heating	1305	1220	1160	1075	1000	930	865	770	690	61
	Red	Alt Cooling. Do not use for heating.	1335	1075	965	890	820	735	660	580	505	440		Red	Alt Cooling. Do not use for heating.	1210	1075	1000	915	845	765	675	595	515	43
	Gray	Cooling. Do not use for heating.	2065	2005	1940	1875	1810	1740	1670	1600	1530	1470	1	Gray	Cooling. Do not use for heating.	2255	2205	2150	2100	2040	1985	1920	1835	1735	16
- 1	Bhar	Heating or alt Cooling	1825	1760	1695	1630	1560	1490	1420	1350	1275	1205		Blue	Heating or alt Cooling	1945	1890	1830	1770	1715	1655	1600	1545	1480	14
SE24-20	Yellow	Alt Cooline or alt Heating	1760	1690	1625	1555	1485	1415	1345	1275	1200	1150	110E21-20	Yellow	Alt Cooling or alt Heating	1600	1525	1465	1400	1335	1275	1210	1150	1080	10
	Orange	Alt Cooling, Do not use for heating.	1620	1550	1450	1405	1335	1260	1195	1130	1065	995		Orange	Alt Cooling. Do not use for heating.	1420	1340	1280	1200	1140	1065	1005	925	865	79
		the county to an use for maning.	.020	1.579	. 290	1403	4.33	1.000	1113		1.444	100		D.4	threating Decoding for Lother	1380	1206	1110	1066	000	010	210	7(0	cor	(7)

![](_page_57_Figure_6.jpeg)

![](_page_58_Figure_1.jpeg)

![](_page_58_Figure_3.jpeg)

Sigler

Wholesale Distributor

58SP0A/58SP1A

80% AFUE, Non-Communicating, Single Stage, ECM Motor, Variable Speed, 4-Way Multipoise, Non-Condensing Gas Furnace

![](_page_59_Picture_3.jpeg)

Turn to the experts COOLING<sup>4</sup> AND HEATING AIR DELIVERY - CFM (Bottom Return<sup>5</sup> with Filter) (SW1-5 and SW2-2 set to OFF, except as indicated. See Notes 1 and 2.) Clg/CF Switch settings External Static Pressure Unit Size: 045V14--12 External Static Pressure (ESP) 
 SW2-8
 SW2-7
 SW2-6
 0.1
 0.2
 0.3
 0.4
 0.5
 0.6
 0.7
 0.8
 0.9
 1.0
Clg Switche Clg Default: Cooling (SW2-8,7,6) ON ON 
 1480
 1435
 1395
 1350
 1310
 1265
 1220
 1185
 1115
 1015

 1480
 1435
 1395
 1350
 1310
 1265
 1220
 1185
 1115
 1015

 1480
 1435
 1395
 1350
 1310
 1265
 1220
 1185
 1115
 1015
ON OFF ON ON Maximum Clg Airflow<sup>2</sup> SW2-5 SW2-4 SW2-3 1480 1435 1395 1350 1310 1265 1220 1185 1115 1015 CF Switches 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 OFF OFF OFF 610 560 500 440 380 Low-Clg Default See Note 4 OFF ON ON 
 610
 560
 500
 440
 380

 610
 560
 500
 440
 380

 805
 760
 720
 670
 625

 1010
 970
 930
 895
 860
OFF ON See Note 4 530 485 785 745 OFF OFF OFF 575 825 See Note 4 
 785
 745
 705
 665

 980
 945
 910
 875

 1165
 1140
 1095
 1015
ON 
 1175
 1140
 1105
 1075
 1040

 1345
 1310
 1280
 1250
 1220

 1480
 1435
 1395
 1350
 1310
Low-Cooling (SW2-5,4,3) ON OFF OFF 1015 ON OFF 1190 ON ON ON 1265 1220 1185 1115 1015 ON OFF ON ON 1480 1435 1395 1350 1310 1265 1220 1185 1115 1015 Cont. Fan Default: OFF OFF OFF 610 560 500 440 380 See Note 4 OFF OFF OFF ON 
 610
 560
 500
 440

 805
 760
 720
 670
380 625 See Note 4 530 485 785 745 ON OFF 575 See Note 4 
 785
 745
 705
 665

 785
 745
 705
 665

 785
 745
 705
 665

 785
 745
 705
 665

 1010
 970
 930
 895
 860
 825

 1010
 970
 930
 895
 860
 825

 1010
 970
 930
 895
 860
 825

 1010
 970
 930
 895
 860
 825
OFF ON ON 785 Continuous Fan (SW2-5,4,3) OFF OFF OFF ON ON ON ON OFF 1010 970 930 895 860 825 785 745 705 665 ON 785 665 ON ON 1010 970 930 895 860 825 745 705 Heating (SW1) Heat Airflow<sup>3</sup> 870 825 785 745 700 655 615 570 530 480

		Table 13	- Air Deli	ivery - C	FM (W	th Filter	r)* (Con	tinued)					
	COOLI	NG <sup>4</sup> AND	HEATING	AIR DEL	IVERY	CFM (B	ottom Re	turn <sup>5</sup> wit	h Filter)				1
1	(	SW1-5 and	SW2-2 set	to OFF, e	xcept as	indicated	. See Note	es 1 and 2	.)				
Unit Size: 045V1716	Clg/C	F Switch s	ettings				Exter	nal Static	Pressure	(ESP)	1		
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
	OFF	OFF	ON	655	590	530	465	390	335		See 1	Note 4	-
	OFF	ON	OFF	825	770	715	665	615	560	495	445	395	350
	OFF	ON	ON	1025	980	940	895	850	810	765	725	680	630
Cooling	ON	OFF	OFF	1200	1160	1125	1085	1050	1010	975	935	900	860
(SW2-8,7,6)	ON	OFF	ON	1385	1350	1320	1285	1250	1215	1180	1145	1110	1030
	ON	ON	OFF	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
	ON	ON	ON	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
	Max	imum Clg Ai	flow <sup>2</sup>	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Low-Clg Default:	OFF	OFF	OFF	655	590	530	465	390	335		See	Note 4	
	OFF	OFF	ON	655	590	530	465	390	335		See	Note 4	
	OFF	ON	OFF	825	770	715	665	615	560	495	445	395	350
	OFF	ON	ON	1025	980	940	895	850	810	765	725	680	630
(SW2-5.4.3)	ON	OFF	OFF	1200	1160	1125	1085	1050	1010	975	935	900	860
(3112-2,4,2)	ON	OFF	ON	1385	1350	1320	1285	1250	1215	1180	1145	1110	1030
	ON	ON	OFF	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
	ON	ON	ON	1525	1490	1445	1400	1350	1300	1250	1200	1140	1035
						a low and				1	1		
Cont. Fan Default:	OFF	OFF	OFF	655	590	530	465	390	335		See 1	Note 4	
	OFF	OFF	ON	655	590	530	465	390	335		Seel	Note 4	
	OFF	ON	OFF	825	770	715	665	615	560	495	445	395	350
Continues have	OFF	ON	ON	1025	980	940	895	850	810	765	725	680	630
(SW2,543)	ON	OFF	OFF	1025	980	940	895	850	810	765	725	680	630
(0.112-0.01.0)	ON	OFF	ON	1025	980	940	895	850	810	765	725	680	630
	ON	ON	OFF	1025	980	940	895	850	810	765	725	680	630
	ON	ON	ON	1025	980	940	895	850	810	765	725	680	630
										S			
Heating (SW1)	Heat A	irflow <sup>3</sup>		925	875	830	780	735	685	635	590	540	490

Unit Size: 070V1716	Clg/C	F Switch se	ettings				Exter	nal Static	Pressure	(ESP)			Wholes
Clg Switches:	SW2-8	SW2-7	SW2-6	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Clg Default:	OFF	OFF	OFF	1595	1560	1520	1485	1445	1410	1375	1335	1300	12
	OFF	OFF	ON	660	585	515	445	370			See Note 4		-
	OFF	ON	OFF	825	765	705	645	590	530	470	410	365	3
	OFF	ON	ON	1025	970	915	860	810	760	705	640	585	5
Cooling	ON	OFF	OFF	1225	1180	1135	1085	1040	995	950	910	865	8
(SW2-8,7,6)	ON	OFF	ON	1390	1350	1305	1265	1225	1180	1140	1100	1060	10
	ON	ON	OFF	1595	1560	1520	1485	1445	1410	1375	1335	1300	13
	ON	ON	ON	1855	1815	1785	1750	1720	1675	1625	1575	1525	14
	Max	imum Clg Air	flow <sup>2</sup>	1855	1815	1785	1750	1720	1675	1625	1575	1525	14
CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Low-Clg Default:	OFF	OFF	OFF	660	585	515	445	370			See Note 4		
	OFF	OFF	ON	660	585	515	445	370	1		See Note 4	P	_
	OFF	ON	OFF	825	765	705	645	590	530	470	410	365	3
5	OFF	ON	ON	1025	970	915	860	810	760	705	640	585	5
Low-Cooling (SW2-5.4.3)	ON	OFF	OFF	1225	1180	1135	1085	1040	995	950	910	865	8
(0112-0,4,0)	ON	OFF	ON	1390	1350	1305	1265	1225	1180	1140	1100	1060	10
	ON	ON	OFF	1595	1560	1520	1485	1445	1410	1375	1335	1300	13
	ON	ON	ON	1855	1815	1785	1750	1720	1675	1625	1575	1525	1
Cont. Fan Default:	OFF	OFF	OFF	660	585	515	445	370			See Note 4		
	OFF	OFF	ON	660	585	515	445	370	1	- 17 D	See Note 4	1	100
	OFF	ON	OFF	825	765	705	645	590	530	470	410	365	3
Continuous For	OFF	ON	ON	1025	970	915	860	810	760	705	640	585	5
(SW2-5.4.3)	ON	OFF	OFF	1025	970	915	860	810	760	705	640	585	5
(0112-0,10)	ON	OFF	ON	1025	970	915	860	810	760	705	640	585	5
	ON	ON	OFF	1025	970	915	860	810	760	705	640	585	5

				utij e		th i neer	) (con	cinucu)		_			
	COOLI	NG <sup>4</sup> AND	HEATING	AIR DEI	IVERY -	CFM (B	ottom Re	turn <sup>°</sup> wit	h Filter)				
	(	SW1-5 and	SW2-2 set	to OFF, c	xcept as i	ndicated.	See Note	es I and 2	.)				
Unit Size: 070V21-20	Clg/C	F Switch s	ettings				Exter	nal Static	Pressure	(ESP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1930	1895	1855	1815	1775	1740	1700	1665	1630	159:
	OFF	OFF	ON	810	735	660	585	505			See Note 4		
	OFF	ON	OFF	1010	945	885	820	760	695	625	565	510	455
	OFF	ON	ON	1205	1150	1090	1040	985	930	875	820	760	705
Cooling	ON	OFF	OFF	1400	1345	1295	1245	1200	1155	1105	1060	1005	960
(SW2-8,7,6)	ON	OFF	ON	1580	1540	1495	1445	1405	1360	1320	1275	1235	1190
	ON	ON	OFF	1930	1895	1855	1815	1775	1740	1700	1665	1630	159
	ON	ON	ON	2245	2195	2145	2095	2045	1995	1935	1885	1835	1785
	Max	imum Clg Air	flow <sup>2</sup>	2245	2195	2145	2095	2045	1995	1935	1885	1835	178
CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Low-Clg Default:	OFF	OFF	OFF	810	735	660	585	505			See Note 4	8	-
	OFF	OFF	ON	585	490				See 1	Note 4			
	OFF	ON	OFF	810	735	660	58.5	505	7.500	1.1	See Note 4	1000	
Law Caslina	OFF	ON	ON	1010	945	885	820	760	695	625	565	510	455
(SW2-5.4.3)	ON	OFF	OFF	1205	1150	1090	1040	985	930	875	820	760	705
201 - 21 - 21	ON	OFF	ON	1400	1345	1295	1245	1200	1155	1105	1060	1005	960
	ON	ON	OFF	1580	1540	1495	1445	1405	1360	1320	1275	1235	119
	ON	ON	ON	1930	1895	1855	1815	1775	1740	1700	1665	1630	159
Cont Fan Default	OFF	OFF	OFF	810	735	660	585	505	-		See Note 4		
cont. I al Delaut.	OFF	OFF	ON	585	490	000	200	505	See	Jote 4	Dec Hole 4		
com r an person.	OFF	ON	OFF	810	735	660	585	505	5001	tote 4	See Note 4		
	OFF	ON	ON	1010	945	885	820	760	695	625	565	510	455
Continuous Fan (SW2-5.4.3)	ON	OFF	OFF	1205	1150	1090	1040	985	930	875	820	760	705
Cont. Fan Default: Continuous Fan (SW2-5,4.3)	ON	OFF	ON	1400	1345	1295	1245	1200	1155	1105	1060	1005	960
	ON	ON	OFF	1400	1345	1295	1245	1200	1155	1105	1060	1005	960
	ON	ON	ON	1400	1345	1295	1245	1200	1155	1105	1060	1005	960

N. I. CI				-						(1000)			
Unit Size: 090V21-20	Clg/C	F Switch se	ettings				Exter	nal Static	Pressure	(ESP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1985	1935	1885	1835	1785	1735	1685	1630	1583	153
	OFF	OFF	ON	860	755	650	545	445			See Note 4	1	
	OFF	ON	OFF	1085	1000	910	830	735	655	565	485	405	310
	OFF	ON	ON	1255	1180	1105	1025	950	870	790	715	640	570
Cooling	ON	OFF	OFF	1425	1355	1290	1220	1150	1085	1015	940	870	800
(SW2-8,7,6)	ON	OFF	ON	1630	1575	1515	1455	1395	1330	1270	1210	1155	109
	ON	ON	OFF	1985	1935	1885	1835	1785	1735	1685	1630	1583	153
	ON	ON	ON	2100	2055	2010	1960	1915	1870	1820	1775	1715	164
	Max	imum Clg Air	flow <sup>2</sup>	2100	2055	2010	1960	1915	1870	1820	1775	1715	164
CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
or onnener	OFF	OFF	ON	700	575			one	See	Note 4			
	OFF	ON	OFF	860	755	650	545	445	Jeer	TOIC 4	See Note 4		
	OFF	ON	ON	1085	1000	910	830	735	655	565	485	405	310
Low-Cooling	ON	OFF	OFF	1255	1180	1105	1025	950	870	790	715	640	570
(SW2-5,4,3)	ON	OFF	ON	1425	1355	1290	1220	1150	1085	1015	940	870	800
	ON	ON	OFF	1630	1575	1515	1455	1395	1330	1270	1210	1155	109
	ON	ON	ON	1985	1935	1885	1835	1785	1735	1685	1630	1583	153
Cont For Default:	OFF	OFF	OFF	860	755	650	\$45	445	1		See Note A	0	
com. Fan Delaut.	OFF	OFF	ON	700	575	050	545	445	See. 3	Core d	See Note 4		
	OFF	OFF	OFF	860	755	650	545	445	See	NOIC 4	Cas Note A		
	OFF	ON	ON	1085	1000	010	820	725	655	565	195	405	1 210
Continuous Fan	ON	OFF	OFF	1065	1180	1105	1025	950	870	700	703	640	570
(SW2-5,4,3)	ON	OFF	ON	1233	1255	1200	1025	930	1085	1015	040	870	2/1
	ON	OFF	ON	1425	1333	1290	1220	1150	1085	1015	940	0/0	800
	ON	ON	OFF	1650	15/5	1515	1455	1395	1330	1270	1210	1155	109
	ON	ON	ON	1630	15/5	1515	1455	1395	1330	1270	1210	1155	109

		Table 13	8 – Air Deli	very - C	FM (Wi	th Filter	·)* (Con	tinued)					
	COOLI	NG <sup>4</sup> AND	HEATING	AIR DEL	IVERY -	CFM (B	ottom Re	turn <sup>5</sup> wit	th Filter)	-			
	(	SW1-5 and	SW2-2 set 1	o OFF, e	xcept as i	ndicated.	See Note	es 1 and 2	.)				
Unit Size: 090V24-20	Clg/C	F Switch s	ettings				Exter	nal Statio	Pressure	e (ESP			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1970	1915	1865	1815	1765	1715	1660	1605	1545	1485
	OFF	OFF	ON	980	885	770	675	585	1.		See Note 4	0	
	OFF	ON	OFF	1115	1030	930	840	755	670	575	510	415	330
	OFF	ON	ON	1280	1205	1130	1045	960	885	810	740	670	595
Cooling	ON	OFF	OFF	1450	1380	1315	1250	1165	1090	1020	955	890	825
(SW2-8,7,6)	ON	OFF	ON	1630	1570	1510	1450	1385	1320	1250	1185	1125	1070
	ON	ON	OFF	1970	1915	1865	1815	1765	1715	1660	1605	1545	1485
	ON	ON	ON	2135	2090	2035	1990	1940	1895	1850	1795	1745	1690
	Max	imum Clg Ai	rflow <sup>2</sup>	2175	2125	2080	2030	1980	1935	1890	1840	1795	1735
CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Low-Clg Default:	OFF	OFF	OFF	980	885	770	675	585	1.0		See Note 4	Ū	
	OFF	OFF	ON	790	670	1			See 1	Note 4			
	OFF	ON	OFF	980	885	770	675	585			See Note 4		
Low-Cooling	OFF	ON	ON	1115	1030	930	840	755	670	575	510	415	330
(SW2-5,4,3)	ON	OFF	OFF	1280	1205	1130	1045	960	885	810	740	670	595
	ON	OFF	ON	1450	1380	1315	1250	1165	1090	1020	955	890	825
	ON	ON	OFF	1030	1970	1965	1930	1385	1715	1250	1605	1125	1495
	UN	UN	UN	1970	1915	1805	1815	1705	1/15	1000	1003	1343	1465
Cont. Fan Default:	OFF	OFF	OFF	980	885	770	675	585	-		See Note 4		
cont i un benun	OFF	OFF	ON	790	670	110	015	505	Sec 1	Note 4	Dec Hote 4	-	
	OFF	ON	OFF	980	885	770	675	585			See Note 4		_
	OFF	ON	ON	1115	1030	930	840	755	670	575	510	415	330
Continuous Fan	ON	OFF	OFF	1280	1205	1130	1045	960	885	810	740	670	595
(Sw2-3,4,3)	ON	OFF	ON	1450	1380	1315	1250	1165	1090	1020	955	890	825
	ON	ON	OFF	1630	1570	1510	1450	1385	1320	1250	1185	1125	1070
	ON	ON	ON	1630	1570	1510	1450	1385	1320	1250	1185	1125	1070

Clig Sciences:    SW2-5    SW2-5    SW2-5    SW2-5    SW2-5    SW2-3    O.1    O.2    O.3    O.4    O.5    O.6    O.7    O.8    O.9    I      Cig Default:    OFF    OFF    OFF    OOF    P    OFF    OF	Chit Shee. 110 V 24-22	Claff	T Switch e	ttinge	1			Extor	nal Statie	Proceuro	(FSP)					
Clig brikklet.    DFU    DFU <thdfu< th="">    &lt;</thdfu<>	Cla Switches:	SW2.8	SW2-7	SW2_6	0.1	0.2	03	0.4	0.5	0.6	07	0.8	0.9	10		
Org Drian.    OFF    OFF    OFF    Ion    Dos    Food    Pood    Pood <t< td=""><td>Cla Default:</td><td>OFF</td><td>OFF</td><td>OFF</td><td>2040</td><td>1980</td><td>1920</td><td>1865</td><td>1805</td><td>1750</td><td>1700</td><td>1640</td><td>1575</td><td>1525</td></t<>	Cla Default:	OFF	OFF	OFF	2040	1980	1920	1865	1805	1750	1700	1640	1575	1525		
OFF    OFF    OFF    140    152    055    805    775    305    100 <td>cig benant.</td> <td>OFF</td> <td>OFF</td> <td>ON</td> <td>910</td> <td>795</td> <td>690</td> <td>580</td> <td>495</td> <td>1/50</td> <td>1700</td> <td>See Note 4</td> <td>1212</td> <td>1000</td>	cig benant.	OFF	OFF	ON	910	795	690	580	495	1/50	1700	See Note 4	1212	1000		
Cooling (SW2-8,7,6)    OFF    ON    ON    OFF    OFF    I440    I055    975    895    815    745    680    6      Cooling (SW2-8,7,6)    ON    OFF    OFF    I440    I325    I140    1055    975    895    815    745    680    6    16      ON    OFF    OFF    I4405    I325    I140    1105    1035    975    895    815    745    680    6    16    16    1475    1115    1135    1125    11215    1		OFF	ON	OFF	1140	1050	955	865	775	-	-	See Note 4	4	-		
Cooling (SW2-8,7,6)    ON    OFF    OFF    OFF    OPF    I480    I405    I325    I180    I105    I035    975    895    85      ON    OFF    ON    OFF    ON    I680    I610    I540    I4175    I415    I1275    I215    I150    I100    I640    I530    I750    I700    I640    I530    I    I<02		OFF	ON	ON	1305	1220	1140	1055	975	895	815	745	680	605		
Colong (SW2-8,7.6)    ON    OFF    ON    1680    1610    1540    1415    1345    1275    1215    1150    11      ON    OFF    2040    1980    1920    1865    1805    1750    1700    1640    1575    1    135    1215    1150    10    1450    1855    1805    1750    1700    1640    1575    1    120    1880    1805    1750    1700    1640    1575    1    180    11    0    0    0    0    2230    218    2140    2090    2    2    2185    2140    2090    2    2    218    2140    2090    2    2    116    0    1700    1660    1610    1410    1057    90    580    495    5    5    6    175    5    6    1160    1160    105    1035    175    5    6    175    5    6    1575    15 <td< td=""><td>Caolina</td><td>ON</td><td>OFF</td><td>OFF</td><td>1480</td><td>1405</td><td>1325</td><td>1255</td><td>1180</td><td>1105</td><td>1035</td><td>975</td><td>895</td><td>830</td></td<>	Caolina	ON	OFF	OFF	1480	1405	1325	1255	1180	1105	1035	975	895	830		
ON    ON    OFF    2040    1980    1920    1865    1805    1750    1700    1640    1575    1      ON    ON    ON    ON    2280    2230    2175    2125    2075    2025    1980    1930    1880    1    1    1    1    1    1    1    1    1    2    2075    2025    1980    1930    1880    1    1    1    1    1    2    1    0    2    2    1    1    1    0    2    0    1    1    1    0    2    1    0    1    1    1    1    1    1    1    1    0    2    0    1    0    1    0    1    0    1    0    1    0    0    1    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0	(SW2-8,7,6)	ON	OFF	ON	1680	1610	1540	1475	1415	1345	1275	1215	1150	1095		
ON    ON    ON    ON    2280    2230    2175    2125    2075    2025    1980    1930    1880    1      Maximum Cl gAirflow <sup>2</sup> 2485    2430    2330    2230    2230    2230    2185    2140    2090    2      CF Switches    SW2-5    SW2-3    0.1    0.2    0.3    0.4    0.5    0.6    0.7    0.8    0.9    1      Low-Clg Default:    OFF    OFF    OFF    OFF    OFF    0.9    730    665    See Note 4    See Note 4      Low-Coling (SW2-5.4.3)    OFF    OFF    OFF    100    795    690    580    495    See Note 4      OFF    ON    OFF    OFF    OFF    OFF    0.10    795    895    815    743    680    6      ON    ON    OFF    OFF    OFF    1010    1050    975    895    815    743    680    6      ON    <	and the second sec	ON	ON	OFF	2040	1980	1920	1865	1805	1750	1700	1640	1575	1525		
Maximum Clg Airflow <sup>2</sup> 2485    2430    2380    2330    2280    2230    2185    2140    2090    2      CF Switches    SW2-5    SW2-4    SW2-3    0.1    0.2    0.3    0.4    0.5    0.6    0.7    0.8    0.9    1      Low-Clg Default:    OFF    OFF    OFF    910    795    690    580    495    Sce Note 4      Low-Cooling (SW2-5.4.3)    OFF    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    OFF    100    705    690    580    495    Sce Note 4      ON    OFF    ON    N    1140    1050    925    895    815    745    680    66      ON    OFF    ON    1480    1405    1325    1180    1105    1035    975    895    815 <td></td> <td>ON</td> <td>ON</td> <td>ON</td> <td>2280</td> <td>2230</td> <td>2175</td> <td>2125</td> <td>2075</td> <td>2025</td> <td>1980</td> <td>1930</td> <td>1880</td> <td>1830</td>		ON	ON	ON	2280	2230	2175	2125	2075	2025	1980	1930	1880	1830		
CF Switches    SW2-5    SW2-4    SW2-3    0.1    0.2    0.3    0.4    0.5    0.6    0.7    0.8    0.9    1      Low-Clg Default:    OFF    OFF    OFF    OF    910    795    690    580    495    Sce Note 4      Low-Cooling (SW2-5,4,3)    OFF    OFF    ON    730    665    580    495    Sce Note 4      Low-Cooling (SW2-5,4,3)    OFF    ON    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    OF    910    795    690    580    495    Sce Note 4      OFF    ON    ON    N    1140    1050    925    895    815    745    680    6      ON    OFF    OFF    1305    1225    1180    1105    1035    975    895    815    745    5    5    6    0    1575    1    150    150    150    1575    15		Max	imum Clg Air	flow <sup>2</sup>	2485	2430	2380	2330	2280	2230	2185	2140	2090	2030		
Low-Clg Default:    OFF    OFF    OFF    OFF    OFF    OFF    OFF    See Note 4      OFF    OFF    OFF    ON    730    665    See Note 4    See Note 4      OFF    ON    OFF    ON    OFF    600    580    495    See Note 4      OFF    ON    OFF    ON    OFF    600    580    495    See Note 4      OFF    ON    OFF    101    795    690    580    495    See Note 4      ON    OFF    ON    OFF    1010    795    690    580    495    See Note 4      ON    OFF    OFF    1140    1050    925    885    815    745    680    6      ON    ON    OFF    ON    1480    1405    1325    1215    1150    1      ON    ON    ON    ON    2040    1980    1920    1865    1805    1750    1700    1640 <td>CF Switches</td> <td>SW2-5</td> <td>SW2-4</td> <td>SW2-3</td> <td>0.1</td> <td>0.2</td> <td>0.3</td> <td>0.4</td> <td>0.5</td> <td>0.6</td> <td>0.7</td> <td>0.8</td> <td>0.9</td> <td>1.0</td>	CF Switches	SW2-5	SW2-4	SW2-3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0		
	Low-Clg Default:	OFF	OFF	OFF	910	795	690	580	495			See Note 4	1			
		OFF	OFF	ON	730	665				See 1	Note 4					
		OFF	ON	OFF	910	795	690	580	495		-	See Note 4	4			
Low-Cooling (SW2-5,4,3)    ON    OFF    OFF    1305    1220    1140    1055    975    895    815    745    680    6      ON    OFF    ON    OFF    ON    1480    1405    1325    1180    1105    1035    975    895    815    745    680    6      ON    OFF    ON    OFF    1680    1610    1345    1275    1145    1345    1275    1215    11150    1 <td>1</td> <td>OFF</td> <td>ON</td> <td>ON</td> <td>1140</td> <td>1050</td> <td>955</td> <td>865</td> <td>775</td> <td></td> <td></td> <td colspan="5">See Note 4 See Note 4</td>	1	OFF	ON	ON	1140	1050	955	865	775			See Note 4 See Note 4				
ON    OFF    ON    1480    1405    1225    1180    1105    1035    975    895    8      ON    ON    OFF    OFF    1680    1610    1540    1475    1415    1345    1275    1215    1150    1160    1155    1150    1160    1157    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150    1150	(SW2-5.4.3)	ON	OFF	OFF	1305	1220	1140	1055	975	895	815	745	680	605		
ON    ON    OFF    1610    1540    1475    1415    1345    1275    1215    1150    1      ON    ON    ON    ON    2040    1980    1920    1475    1415    1345    1275    1215    1150    1    1      Cont. Fan Default:    OFF    OFF    OFF    910    795    690    580    495    Sce Note 4      OFF    OFF    ON    730    665    See Note 4    Sce Note 4      OFF    OFF    ON    075    690    580    495    Sce Note 4      OFF    ON    ON    1140    1050    955    865    775    Sce Note 4      OFF    ON    ON    1140    1050    955    815    745    680    6      ON    OFF    OFF    1305    1225    1140    1055    975    895    815    745    680    6      ON    OFF    ON	(0112 2110)	ON	OFF	ON	1480	1405	1325	1255	1180	1105	1035	975	895	830		
ON    ON    ON    2040    1980    1920    1865    1805    1750    1700    1640    1575    1      Cont. Fan Default:    OFF    OFF    OFF    910    795    690    580    495    See Note 4   <		ON	ON	OFF	1680	1610	1540	1475	1415	1345	1275	1215	1150	1095		
Cont. Fan Default:    OFF    OFF    OFF    OFF    910    795    690    580    495    See Note 4      OFF    OFF    OF    910    795    690    580    495    See Note 4      OFF    ON    OFF    910    795    690    580    495    See Note 4      OFF    ON    OFF    910    795    690    580    495    See Note 4      OFF    ON    ON    1140    1050    955    865    775    See Note 4      ON    OFF    OFF    OFF    1140    1055    975    895    815    745    680    6      ON    OFF    ON    1480    1405    1325    1255    1180    1105    1035    975    895    815      ON    ON    OFF    1480    1405    1325    1255    1180    1105    1035    975    895    815    80    80    80		ON	ON	ON	2040	1980	1920	1865	1805	1750	1700	1640	1575	1525		
Cont. Fan Default:    OFF    OFF    OFF    910    795    690    580    495    Sce Note 4      OFF    OFF    OFF    ON    730    665    -    Sce Note 4      OFF    ON    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    OFF    910    795    690    580    495    Sce Note 4      OFF    ON    ON    ON    1140    1050    925    805    745    680    6      ON    OFF    OFF    ON    1140    1055    975    895    815    745    680    6      ON    OFF    ON    1480    1405    1325    1255    1180    1105    1035    975    895    85    85    85    85    85    85    85    85    85 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>-</td> <td></td> <td></td> <td>1</td> <td>(</td> <td></td> <td>PR 1 PR</td> <td>1</td>					1		-			1	(		PR 1 PR	1		
OFF    OFF    ON    OFF    910    795    690    580    495    See Note 4      OFF    ON    OFF    910    795    690    580    495    See Note 4      OFF    ON    OFF    1140    1050    955    865    775    See Note 4      ON    OFF    ON    N    1140    1050    955    815    745    680    66      ON    OFF    ON    1440    1405    1325    1255    1180    105    975    895    815    745    680    66      ON    OFF    ON    1480    1405    1325    1255    1180    105    1035    975    895    8    0N    ON    ON    0FF    1325    1255    1180    1105    1035    975    895    85    85    85    85    85    85    85    85    85    85    85    85    85    85	Cont. Fan Default:	OFF	OFF	OFF	910	795	690	580	495			See Note 4				
OFF    ON    OFF    910    755    690    280    495    See Note 4      OFF    ON    ON    1140    1050    955    865    775    See Note 4      ON    OFF    ON    1140    1050    955    865    775    See Note 4      ON    OFF    OFF    1305    1220    1140    1055    975    895    815    745    680    6      ON    OFF    ON    1480    1405    1325    1255    1180    105    1035    975    895    8      ON    OFF    ON    1480    1405    1325    1255    1180    105    1035    975    895    8    0N    ON    ON    1440    1405    1325    1180    1105    1035    975    895    8    0N    ON    ON    0N    1440    1405    1325    1180    1105    1035    975    895    8		OFF	OFF	ON	730	000	(00		See Note 4							
Continuous Fan (SW2-5,4,3)    OFF    ON    ON    1140    1050    925    865    7/5    See Note 4      ON    OFF    ON    OFF    1050    1220    1140    1055    975    895    815    745    680    6		OFF	ON	OFF	910	795	690	580	495			See Note 4	1			
ON    OFF    OFF    1305    1220    1140    1055    975    895    815    //43    680    66      ON    OFF    ON    1480    1405    1325    1255    1180    1105    1035    975    895    8    975    895    8    0    6      ON    OFF    ON    1480    1405    1325    1255    1180    1105    1035    975    895    8      ON    ON    OFF    1480    1405    1325    1180    1105    1035    975    895    8      ON    ON    ON    1480    1405    1325    1255    1180    1105    1035    975    895    8	Continuous Fan	OFF	ON	ON	1140	1050	955	865	115	0.00	012	See Note 4	1 (00	1 005		
ON    OFF    ON    1440    1440    1325    11235    1100    1035    975    895    8      ON    ON    OFF    1480    1405    1325    1255    1180    1105    1035    975    895    8      ON    ON    ON    1440    1405    1325    1255    1180    1105    1035    975    895    8	(SW2-5,4,3)	ON	OFF	OFF	1305	1220	1140	1055	9/5	895	813	/45	080	605		
ON ON OP 1440 1400 1323 1233 1100 1105 1033 973 693 6 ON ON ON 1480 1405 1325 1255 1180 1105 1035 975 895 8		ON	OFF	OFF	1480	1405	1325	1255	1180	1105	1035	975	893	830		
		ON	ON	ON	1480	1405	1323	1235	1180	1105	1035	975	895	830		
		UN	UN	UN	1400	1403	1343	1255	1100	1105	1053	915	075	0.00		

![](_page_62_Figure_3.jpeg)

![](_page_63_Figure_1.jpeg)

![](_page_63_Figure_2.jpeg)

![](_page_63_Picture_3.jpeg)

## 58TN0A/58TN1A 80% AFUE, Two-Stage, Variable–Speed 4–Way Multipoise, Non-Condensing Gas Furnace Series A

![](_page_64_Picture_2.jpeg)

![](_page_64_Picture_3.jpeg)

Turn to the experts

			(SW1-5 and	SW4-3 set t	o OFF, exce	pt as indicat	ted. See Foo	otnotes 1 ai	nd <sup>2</sup> )				
Unit Size:045C17-12	Clg/C	F Switch Se	ttings				Extern	al Static Pr	ressure (E	SP)			
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	1095	1090	1080	1070
CF Switches	SW3-3	SW3-2	SW3-1						-		-	-	
Low-Clg Default:	OFF	OFF	OFF	525	540	540	550	550			See Note	1	
	OFF	OFF	ON	525	540	540	550	550			See Note	1	
	OFF	ON	OFF	700	720	715	730	735	745	745	745	735	725
Cooling Airflow	OFF	ON	ON	885	905	920	925	920	910	905	900	895	885
(SW2)	ON	OFF	OFF	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
Low-Cooling Airflow	ON	OFF	ON	1250	1265	1275	1280	1275	1265	1255	1240	1205	1170
(SW3)	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
	Maxi	imum Clg Ai	flow <sup>2</sup>	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			See Note	1	
	OFF	OFF	ON	525	540	540	550	550			See Note	1	
	OFF	ON	OFF	700	720	715	730	735	745	745	745	735	725
C	OFF	ON	ON	885	905	920	925	920	910	905	900	895	885
Airflow (SW3)	ON	OFF	OFF	1070	1080	1085	1095	1095	1100	1095	1090	1080	1070
Minon (0115)	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
Harrise (CWII)	Hig	gh Heat Airfl	ow <sup>3</sup>	730	730	735	750	765	770	770	770	760	750
reating (SWI)	Lo	w Heat Airfl	ow <sup>3</sup>	605	625	635	630	635	635	630	625	615	605

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58TN0A/58TN1A 80% AFUE, Two-Stage, Variable–Speed 4–Way Multipoise, Non-Condensing Gas Furnace Series A

![](_page_64_Picture_8.jpeg)

![](_page_64_Picture_9.jpeg)

Unit Size: 070C14-12	Clg/C	<b>F</b> Switch Se	ttings				Extern	al Static Pr	ressure (Es	SP)			
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			See Note		
	OFF	OFF	ON	515	500	500	490	485			See Note		
1.000.01	OFF	ON	OFF	690	680	675	680	675			See Note		
Cooling Airflow	OFF	ON	ON	875	875	875	870	865	855	850	835	825	820
(SW2)	ON	OFF	OFF	1050	1050	1050	1050	1050	1050	1045	1035	1020	1000
Low-Cooling Airflow	ON	OFF	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
(SW3)	ON	ON	OFF	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
1.1.1.1.1.1.1	QN	ON	ON	1220	1225	1225	1225	1225	1220	1205	1190	1185	1170
2 77 77 11	Maxi	mum Clg Air	flow <sup>2</sup>	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			See Note		
	OFF	OFF	ON	515	500	500	490	485			See Note		
· · · · · · · · · · · · · · · · · · ·	OFF	ON	OFF	690	680	675	680	675		100	See Note	1	-
Continuous Fan	OFF	ON	ON	875	875	875	870	865	855	850	835	825	820
Airflow (SW3)	ON	OFF	OFF	1050	1050	1050	1050	1050	1050	1045	1035	1020	1000
Carlos Contentino	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
Hasting (SWI)	Hig	gh Heat Airfle	ow <sup>3</sup>	1160	1165	1175	1180	1180	1180	1180	1180	1180	1175
reating (SWI)	Lo	w Heat Airfle	w <sup>3</sup>	735	735	735	735	725			See Note		

			Table 13	– Air De	livery - Cl	FM (With	Filter) (C	ontinued	1)		1	Wholesale	Distril
	/tict =t		(SW1-5 and	SW4-3 set t	o OFF, exce	pt as indica	ted. See For	otnotes 1 ar	1d <sup>2</sup> )				
Unit Size: 070C17-16	Clg/(	F Switch Se	ttings	12.2			Extern	al Static Pr	essure (E	SP)	1.12	1.1	
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	1435	1435	1435	1420	1380	1345	1310	1270	1235	1200
CF Switches	SW3-3	SW3-2	SW3-1							1.000		-	
Low-Clg Default:	OFF	OFF	OFF	705	715	720	720	715	705	700	690	680	665
	OFF	OFF	ON	530	535	530	520	505			See Note		
	OFF	ON	OFF	705	715	720	720	715	705	700	690	680	665
Cooling Airflow	OFF	ON	ON	870	885	890	895	895	895	890	885	875	865
(SW2)	ON	OFF	OFF	1110	1110	1110	1105	1100	1090	1085	1075	1065	1050
Low-Cooling Airflow	ON	OFF	ON	1240	1240	1245	1245	1240	1235	1230	1225	1215	1210
(SW3)	ON	ON	OFF	1435	1435	1435	1420	1380	1345	1310	1270	1235	1200
17 A 6	ON	ON	ON	1435	1435	1435	1420	1380	1345	1310	1270	1235	1200
have a second se	Maxi	mum Clg Air	rflow <sup>2</sup>	1510	1480	1445	1410	1375	1340	1305	1270	1235	1200
CF Switches	SW3-3	SW3-2	SW3-1		1								1
Cont. Fan Default:	OFF	OFF	OFF	805	800	795	790	775	765	750	735	715	700
	OFF	OFF	ON	520	520	515	510	495			See Note		
	OFF	ON	OFF	635	630	625	620	605	595	580	565	550	535
0	OFF	ON	ON	805	800	795	790	775	765	750	735	715	700
Continuous Fan	ON	OFF	OFF	805	800	795	790	775	765	750	735	715	700
Aution (Sw3)	ON	OFF	ON	805	800	795	790	775	765	750	735	715	700
1.1	ON	ON	OFF	805	800	795	790	775	765	750	735	715	700
16	ON	ON	ON	805	800	795	790	775	765	750	735	715	700

58TN0A/58TN1A 80% AFUE, Two-Stage, Variable–Speed 4–Way Multipoise, Non-Condensing Gas Furnace Series A

![](_page_65_Picture_4.jpeg)

Turn to the experts

Sigler Wholesale Distributors

Unit Size: 070C21-20	Clg/C	CF Switch Se	ttings			S. 1. S. T.	Extern	al Static Pi	ressure (E	SP)			
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	1785	1815	1825	1825	1825	1820	1810	1805	1795	1755
CF Switches	SW3-3	SW3-2	SW3-1					-					-
Low-Clg Default:	OFF	OFF	OFF	855	905	925	950	970	970	960	955	970	965
	OFF	OFF	ON	670	735	765	775	790			See Note 4		
	OFF	ON	OFF	855	905	925	950	970	970	960	955	970	965
Cooling Airflow	ОГГ	ON	ON	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
(SW2)	ON	OFF	OFF	1235	1255	1290	1300	1315	1310	1310	1310	1295	1285
Low-Cooling Airflow	ON	OFF	ON	1495	1475	1490	1490	1495	1490	1485	1470	1460	1455
(SW3)	ON	ON	OFF	1785	1815	1825	1825	1825	1820	1810	1805	1795	1755
	ON	ON	ON	2145	2140	2135	2125	2110	2090	2040	1965	1875	1800
	Maxi	imum Clg Air	flow <sup>2</sup>	2225	2215	2205	2190	2150	2110	2045	1970	1880	1800
CF Switches	SW3-3	SW3-2	SW3-1							-			
Cont. Fan Default:	OFF	OFF	OFF	855	905	925	950	970	970	960	955	970	965
	OFF	OFF	ON	670	735	765	775	790			See Note	1	
	OFF	ON	OFF	855	905	925	950	970	970	960	955	970	965
0.0	OFF	ON	ON	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
Airflow (SW3)	ON	OFF	OFF	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
Autow (345)	ON	OFF	ON	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
	ON	ON	OFF	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
( <sup>1</sup>	ON	ON	ON	1040	1040	1050	1085	1085	1095	1100	1090	1080	1090
	Hij	gh Heat Airfle	ow <sup>3</sup>	1195	1215	1240	1250	1255	1270	1265	1260	1255	1245
Heating (SW1)	Lo	w Heat Airfle	ow <sup>3</sup>	1085	1090	1115	1135	1160	1160	1155	1150	1150	1140

![](_page_66_Figure_1.jpeg)

		op, operatin	g and Service	e and Maine	anance instr	uctions							
_		_	Table 13	) – Air Del	livery - Cl	FM (With	Filter) (C	ontinued	I)				
Second Second			(SW1-5 and	SW4-3 set t	o OFF, exce	pt as indicat	ed. See For	otnotes <sup>1</sup> ar	nd <sup>2</sup> )				
Unit Size: 090C17-16	Clg/C	<b>F Switch Se</b>	ttings	-			Externs	al Static Pr	ressure (E	SP)			
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		1.1	See Note	1	
	OFF	OFF	ON	525	520	525	495	475			See Note	•	
	OFF	ON	OFF	680	680	680	675	670	1		See Note	4	
Cooling Airflow	OFF	ON	ON	815	845	845	855	850	850	845	835	820	805
(SW2)	ON	OFF	OFF	1005	1005	1015	1035	1040	1040	1035	1030	1025	1010
ow-Cooling Airflow (SW3)	ON	OFF	ON	1190	1200	1200	1205	1205	1215	1205	1200	1185	1170
(SW3)	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
	Maxi	mum Clg Air	flow <sup>2</sup>	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			See Note	4	
	OFF	OFF	ON	525	520	525	495	475			See Note	1	
	OFF	ON	OFF	680	680	680	675	670			See Note	1	
Continuo Des	OFF	ON	ON	815	845	845	855	850	850	845	835	820	805
Airflow (SW3)	ON	OFF	OFF	1005	1005	1015	1035	1040	1040	1035	1030	1025	1010
Auton (5115)	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
11	Hig	gh Heat Airfle	ow <sup>3</sup>	1190	1205	1210	1210	1210	1210	1210	1210	1210	1200
Heating (SWI)	La	Hant Airfl.		950	970	985	985	985	985	985	985	985	980

												70	Sig
Unit Size: 090C21-20	Clg/C	F Switch Se	ttings	-			Extern	al Static Pi	essure (E	SP)			
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	1785	1805	1815	1835	1840	1855	1860	1850	1845	1835
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	925	935	945	960	980	965	940	925	920	900
	OFF	OFF	ON	715	715	735	730	730			See Note		
	OFF	ON	OFF	925	935	945	960	980	965	940	925	920	900
Cooling Airflow	OFF	ON	ON	1040	1045	1030	1055	1060	1045	1060	1045	1030	1005
(SW2)	ON	OFF	OFF	1295	1320	1285	1335	1350	1340	1350	1335	1310	1300
Low-Cooling Airflow	ON	OFF	ON	1505	1525	1480	1480	1490	1475	1465	1455	1450	1445
(SW3)	ON	ON	OFF	1785	1805	1815	1835	1840	1855	1860	1850	1845	1835
	ON	ON	ON	2250	2265	2270	2265	2255	2245	2220	2175	2120	2060
	Maxi	mum Clg Air	rflow <sup>2</sup>	2375	2375	2375	2365	2330	2285	2235	2185	2140	2075
CF Switches	SW3-3	SW3-2	SW3-1				-	-					
Cont. Fan Default:	OFF	OFF	OFF	925	935	945	960	980	965	940	925	920	900
	OFF	OFF	ON	715	715	735	730	730	-		See Note		
2	OFF	ON	OFF	925	935	945	960	980	965	940	925	920	900
0	OFF	ÓN	ÓN	1040	1045	1030	1055	1060	1045	1060	1045	1030	1005
Airflow (SW3)	ON	OFF	OFF	1295	1320	1285	1335	1350	1340	1350	1335	1310	1300
manon (5113)	ON	OFF	ON	1505	1525	1480	1480	1490	1475	1465	1455	1450	1445
	ON	ÓN	<b>OFF</b>	1505	1525	1480	1480	1490	1475	1465	1455	1450	1445
	ON	ON	ON	1505	1525	1480	1480	1490	1475	1465	1455	1450	1445
Harting (CWI)	Hig	gh Heat Airfle	ow <sup>3</sup>	1590	1610	1605	1605	1600	1605	1610	1610	1615	1620
reating (SWI)	Lo	w Heat Airfle	ow <sup>3</sup>	1425	1450	1440	1465	1470	1455	1450	1440	1435	1430

			Table 13	- Air De	livery - Cl	FM (With	Filter) (C	ontinued	I)				
		1.00	(SW1-5 and	SW4-3 set t	o OFF, exce	pt as indicat	ted. See Foo	otnotes <sup>1</sup> ar	nd <sup>2</sup> )				
Unit Size: 110C21-20	Clg/C	T Switch Se	ttings				Extern	al Static Pi	ressure (E	SP)			
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	172
CF Switches	SW3-3	SW3-2	SW3-1	1					-				
Low-Clg Default:	OFF	OFF	OFF	875	875	875	875	875		1.1	See Note	4	_
	OFF	OFF	ON	700	700	700	700	700			See Note	4	
	OFF	ON	OFF	875	875	875	875	875			See Note	4	
Cooling Airflow	OFF	ON	ON	1050	1050	1050	1050	1050		_	See Note	4	
(SW2)	ON	OFF	OFF	1225	1225	1225	1225	1225	1225	1225	1225	1225	122
Low-Cooling Airflow	ON	OFF	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
(SW3)	ON	ON	OFF	1750	1750	1750	1750	1750	1750	1750	1750	1740	172
	ON	ON	ON	2100	2100	2100	2100	2090	2075	2055	2040	2005	1970
	Maxi	mum Clg Ai	rflow <sup>2</sup>	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			See Note	4	
	OFF	OFF	ON	700	700	700	700	700			See Note	4	
	OFF	ON	OFF	875	875	875	875	875			See Note	4	
Continuous For	OFF	ON	ON	1050	1050	1050	1050	1050			See Note	4	
Airflow (SW3)	ON	OFF	OFF	1225	1225	1225	1225	1225	1225	1225	1225	1225	122
(0.00)	ON	OFF	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	140
	ON	ON	OFF	1400	1400	1400	1400	1400	1400	1400	1400	1400	140
	ON	ON	ON	1400	1400	1400	1400	1400	1400	1400	1400	1400	140

A												-	Wholes
Unit Size: 135C24-22	Clg/C	CF Switch Sc	ttings				Extern	al Static Pr	ressure (E	SP)			
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	1765	1765	1775	1780	1785	1785	1775	1770	1765
CF Switches	SW3-3	SW3-2	SW3-1				-						
Low-Clg Default:	OFF	OFF	OFF	860	880	895	900	905	900	890	865	845	825
	OFF	OFF	ÓN	690	710	715	710	690			See Note	1	
	OFF	ON	OFF	860	880	895	900	905	900	890	865	845	825
Cooling Airflow	OFF	ON	ON	1015	1050	1070	1080	1085	1095	1095	1090	1085	1075
(SW2)	ON	OFF	OFF	1185	1220	1245	1260	1270	1275	1280	1280	1285	1280
Low-Cooling Airflow	ON	OFF	ON	1400	1415	1420	1425	1425	1420	1415	1410	1400	1390
(SW3)	ON	ON	OFF	1750	1765	1765	1775	1780	1785	1785	1775	1770	1765
	ON	ON	ON	2080	2095	2100	2110	2105	2115	2125	2115	2120	2090
	Maxi	imum Clg Air	flow <sup>2</sup>	2240	2255	2265	2270	2265	2255	2220	2175	2135	2085
CF Switches	SW3-3	SW3-2	SW3-1	-									
Cont. Fan Default:	OFF	OFF	OFF	860	880	895	900	905	900	890	865	845	825
	OFF	OFF	ON	690	710	715	710	690			See Note	1	
	OFF	ON	OFF	860	880	895	900	905	900	890	865	845	825
Continuous Fra	OFF	ON	ON	1015	1050	1070	1080	1085	1095	1095	1090	1085	1075
Airflow (SW3)	ON	OFF	OFF	1185	1220	1245	1260	1270	1275	1280	1280	1285	1280
Auton (5115)	ON	OFF	ON	1400	1415	1420	1425	1425	1420	1415	1410	1400	1390
	ON	ON	OFF	1400	1415	1420	1425	1425	1420	1415	1410	1400	1390
	ON	ON	ON	1400	1415	1420	1425	1425	1420	1415	1410	1400	1390
II. C. CONVIS	Hig	gh Heat Airfle	ow <sup>3</sup>	1825	1835	1850	1855	1860	1860	1855	1850	1845	1840
Heating (SW1)	Lo	W Heat Airfle	3	1645	1660	1670	1675	1675	1675	1675	1670	1665	1660

![](_page_68_Picture_3.jpeg)

![](_page_69_Figure_1.jpeg)

![](_page_69_Picture_3.jpeg)

		-	1	able 12 –	Air Deliv	ery - CFN	M (With F	ilter)*					
		COC	LING <sup>4</sup> AND	HEATIN	G AIR DEL	IVERY - C	CFM (Botto	m Return <sup>5</sup>	With Filte	er)			
		(5	W1-5 and	SW2-2 se	t to OFF, e	xcept as in	ndicated. S	See Notes	1 and 2.)				
Unit Size: 045V14-12	Clg/C	F Switch s	ettings				Extern	al Static P	Pressure (E	SP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1190	1140	1100	1065	1020	985	905	800	665	525
1	OFF	OFF	ON	620	560	520	455	410	355	305	255	Seel	Note 4
	OFF	ON	OFF	795	755	705	670	615	585	530	490	440	405
	OFF	ON	ON	1020	955	930	890	840	805	755	715	645	490
Cooling	ON	OFF	OFF	1190	1140	1100	1065	1020	985	905	800	665	525
(SW2-8,7,6)	ON	OFF	ON	1455	1390	1325	1255	1175	1085	1000	880	755	575
Contraction of the	ON	ON	OFF	1455	1390	1325	1255	1175	1085	1000	880	755	575
	ON	ON	ON	1455	1390	1325	1255	1175	1085	1000	880	755	575
	Maxir	num Clg A	irflow2	1455	1390	1325	1255	1175	1085	1000	880	755	575
CF Switches	SW2-5	SW2-4	SW2-3										
Low-Clg Default:	OFF	OFF	OFF	620	560	520	455	410	355	305	255	See	Note 4
	OFF	OFF	ON	620	560	520	455	410	355	305	255	See	Note 4
	OFF	ON	OFF	795	755	705	670	615	585	530	490	440	405
Low-Cooling	OFF	ON	ON	1020	955	930	890	840	805	755	715	645	490
(SW2-543)	ON	OFF	OFF	1190	1140	1100	1065	1020	985	905	800	665	525
(0112-0,4,0)	ON	OFF	ON	1455	1390	1325	1255	1175	1085	1000	880	755	575
	ON	ON	OFF	1455	1390	1325	1255	1175	1085	1000	880	755	575
	ON	ON	ON	1455	1390	1325	1255	1175	1085	1000	880	755	575
Cont. Fan Default:	OFF	OFF	OFF	620	560	520	455	410	355	305	255	See	Note 4
	OFF	UFF	ON	620	560	520	455	410	355	305	255	See	Note 4
	OFF	ON	OFF	195	155	105	800	015	205	330	490	440	405
Continuous Fan	OFF	OFF	OFF	1020	955	930	800	940	005	755	715	045	490
(SW2-5,4,3)	ON	OFF	OFF	1020	955	930	800	940	905	755	715	645	490
1	ON	ON	OFF	1020	900	930	890	840	805	755	715	645	490
	ON	ON	ON	1020	955	930	890	840	805	755	715	645	490
Heating		Linet A	03	015	860	825	700	725	700	650	610	550	450
riedung	Hig	n Heat Air	Now	915	000	025	790	135	700	030	010	050	450
(SW1)	Lov	v Heat Airl	low <sup>3</sup>	780	730	685	635	585	545	495	450	400	370

Unit Size: 070V14-12	Clg/Cl	F Switch se	ettings				Extern	al Static F	Pressure (E	SP)			2	Wholesale
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1155	1125	1095	1065	1035	1005	975	950	915	875	
	OFF	OFF	ON	605	555	500	440	375	320	265		See Note	4	
	OFF	ON	OFF	775	735	690	650	600	550	500	450	405	365	
	OFF	ON	ON	980	950	915	880	845	810	775	735	695	655	
Cooling	ON	OFF	OFF	1155	1125	1095	1065	1035	1005	975	950	915	875	
(SW2-8.7.6)	ON	OFF	ON	1370	1340	1310	1285	1260	1235	1210	1140	1025	880	
(2	ON	ON	OFF	1505	1480	1455	1420	1380	1335	1250	1155	1045	900	
	ON	ON	ON	1505	1480	1455	1420	1380	1335	1250	1155	1045	900	
	Maxin	num Cla A	irflow <sup>2</sup>	1505	1480	1455	1420	1380	1335	1250	1155	1045	900	
CF Switches	SW2-5	SW2-4	SW2-3					1.1.1.1.1.1						
Low-Clg Default:	OFF	OFF	OFF	605	555	500	440	375	320	265		See Note	4	
	OFF	OFF	ON	605	555	500	440	375	320	265		See Note	4	
	OFF	ON	OFF	775	735	690	650	600	550	500	450	405	365	
Low-Cooline	OFF	ON	ON	980	950	915	880	845	810	775	735	695	655	
concooling	ON	OFF	OFF	1155	1125	1095	1065	1035	1005	975	950	915	875	
(SW2-5,4,3)	ON	OFF	ON	1370	1340	1310	1285	1260	1235	1210	1140	1025	880	
	ON	ON	OFF	1505	1480	1455	1420	1380	1335	1250	1155	1045	900	
	ON	ON	ON	1505	1480	1455	1420	1380	1335	1250	1155	1045	900	
Cont. Fan Default:	OFF	OFF	OFF	605	555	500	440	375	320	265		See Note	4	
	OFF	OFF	ON	605	555	500	440	375	320	265	1 4	See Note	4	
	OFF	ON	OFF	775	735	690	650	600	550	500	450	405	365	
Continuous Fan	OFF	ON	ON	980	950	915	880	845	810	775	735	695	655	
(0110 5 4 01	ON	OFF	OFF	1155	1125	1095	1065	1035	1005	975	950	915	875	
(5002-5,4,3)	ON	OFF	ON	1370	1340	1310	1285	1260	1235	1210	1140	1025	880	
	ON	ON	OFF	1370	1340	1310	1285	1260	1235	1210	1140	1025	880	
	ON	ON	ON	1370	1340	1310	1285	1260	1235	1210	1140	1025	880	
Heating	High	Heat Airf	low <sup>3</sup>	1190	1160	1130	1100	1070	1045	1015	985	955	900	

			g and a diffi		nenance ma	structions							
			Table 1	2 – Air D	elivery - (	CFM (Wi	th Filter)*	* (Continu	ied)				
		COO	LING <sup>4</sup> ANI	HEATIN	G AIR DEL	LIVERY - C	FM (Botto	m Return	<sup>5</sup> With Filte	er)			
11.20		(S	W1-5 and	SW2-2 se	t to OFF, e	except as in	ndicated. S	See Notes	1 and 2.)				
070V17-16	Clg/C	F Switch s	ettings				Extern	nal Static F	Pressure (E	SP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1600	1570	1535	1500	1465	1430	1400	1365	1335	1300
	OFF	OFF	ON	590	520	440	365	300	235		See N	lote 4	
	OFF	ON ON	OFF	790 1025	730 980	670 930	610 880	550 835	485 785	430 735	380 690	330 635	275 590
Cooling	ON	OFF	OFF	1230	1190	1150	1105	1065	1025	980	940	900	860
(SW2-8,7,6)	ON	OFF	ON	1390	1355	1315	1280	1240	1200	1165	1125	1090	1055
1. S. S. S. S.	ON	ON	OFF	1600	1570	1535	1500	1465	1430	1400	1365	1335	1300
	ON	ON	ON	1855	1830	1800	1770	1740	1695	1645	1600	1520	1415
	Maxir	num Clg A	liflow <sup>2</sup>	1855	1830	1800	1770	1740	1695	1645	1600	1520	1415
CF Switches	SW2-5	SW2-4	SW2-3	-	-	1	11			1			
Low-Clg Default:	OFF	OFF	OFF	590	520	440	365	300	235		See N	lote 4	_
	OFF	OFF	ON	590	520	440	365	300	235	100	See N	lote 4	0.75
	OFF	ON	OFF	1025	/30	670	610	550	485	430	380	330	275
Low-Cooling	ON	OFF	OFF	1025	980	930	1105	035	1025	/35	040	035	960
(SW2-5,4,3)	ON	OFF	ON	1230	1355	1315	1280	1240	1025	960	1125	1000	1055
error contra	ON	ON	OFF	1600	1570	1535	1500	1465	1430	1400	1365	1335	1300
	ON	ON	ON	1855	1830	1800	1770	1740	1695	1645	1600	1520	1415
Cont. Fan Default:	OFF	OFF	OFF	590	520	440	365	300	235		See N	lote 4	
	OFF	OFF	ON	590	520	440	365	300	235		See N	lote 4	1.1
	OFF	ON	OFF	685	625	565	505	445	385	325	265	See	Note 4
Continuous Fan	OFF	ON.	ON	790	730	670	610	550	485	430	380	330	275
(CIAIO C 4 O)	ON	OFF	OFF	790	730	670	610	550	485	430	380	330	275
(5002-5,4,3)	ON	OFF	ON	790	730	670	610	550	485	430	380	330	275
	ON	ON	OFF	790	730	670	610	550	485	430	380	330	275
	ON	ON	ON	790	730	670	610	550	485	430	380	330	275
Heating	Hig	h Heat Airl	flow <sup>3</sup>	1410	1375	1340	1300	1260	1225	1190	1155	1120	1085
(SW1)	Lov	v Heat Airf	low <sup>3</sup>	1235	1195	1155	1110	1070	1025	985	945	905	865

Heating	Hig	h Heat Air	flow <sup>3</sup>	1410	1375	1340	1300	1260	1225	1190	1155	1120	1085
(SW1)	Low	Hoat Airf	lour <sup>3</sup>	1235	1195	1155	1110	1070	1025	985	945	905	865
Unit Size:	LOV	v Heat All	IOW-	1200	1100	1100	1110	10/0	1020	305	345	505	000
090V17-16	Clg/C	F Switch s	ettings				Extern	nal Static P	Pressure (E	ESP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1560	1520	1485	1450	1415	1380	1340	1300	1260	1115
	OFF	OFF	ON	680	605	495	415	345	275		See N	lote 4	
	OFF	ON	OFF	835	770	700	600	535	465	410	350	285	240
	OFF	ON	ON	1035	980	930	870	795	720	665	605	555	505
Cooling	ON	OFF	OFF	1210	1165	1125	1080	1030	975	905	845	790	740
(SW2-8,7,6)	ON	OFF	ON	1375	1335	1300	1260	1220	1175	1125	1075	1010	955
	ON	ON	OFF	1560	1520	1485	1450	1415	1380	1340	1300	1260	1115
	ON	ON	ON	1640	1605	1570	1540	1505	1470	1435	1390	1325	1110
	Maxir	num Clg A	irflow <sup>2</sup>	1640	1605	1570	1540	1505	1470	1435	1390	1325	1110
CF Switches	SW2-5	SW2-4	SW2-3								1		
Low-Clg Default:	OFF	OFF	OFF	680	605	495	415	345	275		See N	lote 4	
	OFF	OFF	ON	680	605	495	415	345	275		See N	lote 4	2.3637
	OFF	ON	OFF	835	770	700	600	535	465	410	350	285	240
Low-Cooling	OFF	ON	ON	1035	980	930	870	795	720	665	605	555	505
(SIM2 5 4 2)	ON	OFF	OFF	1210	1165	1125	1080	1030	975	905	845	790	740
(3442-3,4,3)	ON	OFF	ON	1375	1335	1300	1260	1220	1175	1125	1075	1010	955
	ON	ON	OFF	1560	1520	1485	1450	1415	1380	1340	1300	1260	1115
	ON	ON	ON	1640	1605	1570	1540	1505	1470	1435	1390	1325	1110
Cont. Fan Default:	OFF	OFF	OFF	680	605	495	415	345	275	See	Note 4	1.000	
	OFF	OFF	ON	680	605	495	415	345	275	See	Note 4	005	0.10
	OFF	ON	OFF	835	/70	/00	600	535	465	410	350	285	240
Continuous Fan	OFF	ON	ON	1035	980	930	870	795	/20	665	605	555	505
(SW2-5.4.3)	ON	OFF	OFF	1210	1165	1125	1080	1030	975	905	845	790	740
(0112 0,4,0)	ON	OFF	ON	1375	1335	1300	1260	1220	1175	1125	1075	1010	955
	ON	ON	OFF	1560	1520	1485	1450	1415	1380	1340	1300	1260	1115
Hanting	UN			1560	1520	1485	1450	1415	1380	1340	1300	1260	1115
Heating	Hig	h Heat Airl	low	1400	1360	1325	1285	1245	1200	1155	1110	1045	995
(SW1)	Lov	v Heat Airf	low <sup>3</sup>	1035	980	930	870	795	720	665	605	555	505
			Table 1	2 - Air D	elivery -	CFM (Wi	th Filter)*	(Continu	(bu				
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		000	LING <sup>4</sup> ANI			IVERY (	EM (Botto	m Poturn	5 With Filto	(r)			
		(S	W1-5 and	SW2-2 se	t to OFF.	xcept as in	ndicated. S	ee Notes	1 and 2.)	a)			
Unit Size: 090V21-20	Clg/Cl	F Switch se	ettings				Extern	al Static P	Pressure (E	SP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	1985	1935	1885	1835	1785	1735	1685	1630	1583	153
	OFF	OFF	ON	860	755	650	545	445	350	235	1	See Note	4
	OFF	ON	OFF	1085	1000	910	830	735	655	565	485	405	310
	OFF	ON	ON	1255	1180	1105	1025	950	870	790	715	640	570
Cooling	ON	OFF	OFF	1425	1355	1290	1220	1150	1085	1015	940	870	800
(SW2-8,7,6)	ON	OFF	ON	1630	1575	1515	1455	1395	1330	1270	1210	1155	109
and the	ON	ON	OFF	1985	1935	1885	1835	1785	1735	1685	1630	1583	153
	ON	ON	ON	2100	2055	2010	1960	1915	1870	1820	1775	1715	164
	Maxin	num Clg A	irflow <sup>2</sup>	2100	2055	2010	1960	1915	1870	1820	1775	1715	164
CF Switches	SW2-5	SW2-4	SW2-3		1		-						
Low-Clg Default:	OFF	OFF	OFF	860	755	650	545	445	350	235		See Note	4
	OFF	OFF	ON	700	575	455	345	225	0.50	S	ee Note 4		
	OFF	ON	OFF	860	755	650	545	445	350	235	400	See Note	4
Low-Cooling	OFF	OFF	OFF	1085	1000	910	830	735	000	200	485	405	310
(SW2-5,4,3)	ON	OFF	OFF	1200	1180	1105	1025	950	8/0	1015	/15	040	5/0
1	ON	OFF	OFF	1425	1300	1290	1220	1100	1085	1015	940	8/0	100
	ON	ON	ON	1030	1075	1915	1400	1785	1735	1685	1630	1683	153
Cont Ean Default	OFF	OFF	OFF	038	755	650	545	445	350	235	See	Vote 4	100
Com. 1 all Delault.	OFF	OFF	ON	700	575	455	345	225	See N	Note 4	Jee	1010 4	-
	OFF	ON	OFF	860	755	650	545	445	350	235	See	Note 4	
Continuous For	OFF	ON	ON	1085	1000	910	830	735	655	565	485	405	310
Conunuous Fan	ON	OFF	OFF	1255	1180	1105	1025	950	870	790	715	640	570
(SW2-5,4,3)	ON	OFF	ON	1255	1180	1105	1025	950	870	790	715	640	570
	ON	ON	OFF	1255	1180	1105	1025	950	870	790	715	640	570
	ON	ON	ON	1255	1180	1105	1025	950	870	790	715	640	570
Heating	High Hea	at Airflow <sup>3</sup>		1830	1775	1725	1675	1625	1570	1520	1465	1410	136
				1000	1540	1405	1420	1070	1045	1055	4405	4440	407

Unit Size: 110V21-22	Clg/Cl	Switch s	ettings				Extern	al Static F	Pressure (E	SP)			
Clg Switches:	SW2-8	SW2-7	SW2-6	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	2055	2000	1950	1900	1840	1790	1740	1675	1625	1565
	OFF	OFF	ON	855	755	1	-		See N	ote 4			
	OFF	ON	OFF	1060	985	875	800	700	1.1.1	S	ee Note 4	1	
	OFF	ON	ON	1250	1180	1095	1025	925	860	775	715	See	Note 4
Cooling	ON	OFF	OFF	1445	1380	1320	1235	1175	1100	1035	955	900	825
(SW2-8.7.6)	ON	OFF	ON	1685	1630	1560	1505	1445	1375	1320	1265	1195	1140
(0112 01, 10)	ON	ON	OFF	2055	2000	1950	1900	1840	1790	1740	1675	1625	1565
	ON	ON	ON	2465	2415	2365	2305	2230	2140	2045	1925	1805	1655
	Maxin	num Cla A	irflow <sup>2</sup>	2465	2415	2365	2305	2230	2140	2045	1925	1805	1655
CF Switches	SW2-5	SW2-4	SW2-3				1		1	1.0			
Low-Clg Default:	OFF	OFF	OFF	855	755		1		See N	ote 4			
	OFF	OFF	ON	640	540				Sec N	ote 4			
	OFF	ON	OFF	855	755				See N	ote 4			
Low Cooling	OFF	ON	ON	1060	985	875	800	700		S	ee Note 4	1	
Low-Cooling	ON	OFF	OFF	1250	1180	1095	1025	925	860	775	715	Seel	Note 4
(SW2-5.4.3)	ON	OFF	ON	1445	1380	1320	1235	1175	1100	1035	955	900	825
	ON	ON	OFF	1685	1630	1560	1505	1445	1375	1320	1265	1195	1140
	ON	ON	ON	2055	2000	1950	1900	1840	1790	1740	1675	1625	1565
Cont. Fan Default:	OFF	OFF	OFF	855	755				See N	ote 4			
	OFF	OFF	ON	640	540			_	See N	ote 4			
	OFF	ON	OFF	855	755	1000		17. de 17.	See N	ote 4	2.11.		
Continuous Fan	OFF	ON	ON	1060	985	875	800	700		S	ee Note 4	1	
	ON	OFF	OFF	1250	1180	1095	1025	925	860	775	715	See I	Note 4
(SVVZ-5,4,3)	ON	OFF	ON	1445	1380	1320	1235	1175	1100	1035	955	900	825
	ON	ON	OFF	1445	1380	1320	1235	1175	1100	1035	955	900	825
	ON	ON	ON	1445	1380	1320	1235	1175	1100	1035	955	900	825
Heating	Higt	Heat Airf	low <sup>3</sup>	2105	2055	2005	1955	1895	1850	1795	1735	1665	1580

			Table 1	2 – Air D	elivery -	CFM (Wi	th Filter)*	(Continu	ied)				
		COO	LING <sup>4</sup> ANI	HEATIN	G AIR DEI	IVERY - O	FM (Botto	m Return <sup>6</sup>	With Filte	r)			
11-11-0-1-1-1		(S	W1-5 and	SW2-2 se	t to OFF, e	except as it	ndicated. S	See Notes	1 and 2.)	1			11.1
135V24-22	Clg/Cl	F Switch s	ettings				Extern	al Static P	Pressure (E	SP)		-	
Clg Switches:	SW2-8	SW2-7	SW2-6	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	2105	2050	1995	1940	1880	1820	1765	1705	1650	1590
	OFF	OFF	ON	990	885	780	665	570		S	ee Note 4		
	OFF	ON	OFF	1180	1090	995	900	815	715	635	555	475	400
	OFF	ON	ON	1355	1270	1190	1105	1020	940	855	775	700	630
Cooling	ON	OFF	OFF	1535	1465	1395	1320	1245	1165	1095	1025	945	875
(SW2-8,7,6)	ON	OFF	ON	1735	1670	1605	1535	1470	1405	1335	1270	1205	1140
	ON	ON	OFF	2105	2050	1995	1940	1880	1820	1765	1705	1650	1590
	ON	ON	ON	2280	2225	2175	2120	2065	2010	1955	1905	1850	1800
	Maxin	num Clg A	irflow <sup>2</sup>	2360	2310	2265	2215	2160	2115	2060	2010	1960	1870
CF Switches	SW2-5	SW2-4	SW2-3										1
Low-Clg Default:	OFF	OFF	OFF	990	885	780	665	570		S	ee Note 4		
	OFF	OFF	ON	800	670	540	410	280		S	ee Note 4		
	OFF	ON	OFF	990	885	780	665	570	Teres 1 1	S	ee Note 4	1	
1	OFF	ON	ON	1180	1090	995	900	815	715	635	555	475	400
LOW-COOLING	ON	OFF	OFF	1355	1270	1190	1105	1020	940	855	775	700	630
(3442-5,4,3)	ON	OFF	ON	1535	1465	1395	1320	1245	1165	1095	1025	945	875
	ON	ON	OFF	1735	1670	1605	1535	1470	1405	1335	1270	1205	1140
	ON	ON	ON	2105	2050	1995	1940	1880	1820	1765	1705	1650	1590
Cont. Fan Default:	OFF	OFF	OFF	740	605	470	360	255		S	ee Note 4		
	OFF	OFF	ON	740	605	470	360	255		S	ee Note 4	2	
	OFF	ON	OFF	900	775	650	525	400	S	S	ee Note 4	Sec. 1.	
Continuous Es-	OFF	ON	ON	1080	980	885	785	680	595	510	430	345	260
Conunuous Fan	ON	OFF	OFF	1080	980	885	785	680	595	510	430	345	260
(3002-5,4,3)	ON	OFF	ON	1080	980	885	785	680	595	510	430	345	260
	ON	ON	OFF	1080	980	885	785	680	595	510	430	345	260
	ON	ON	ON	1080	980	885	785	680	595	510	430	345	260
Heating	Hiat	h Heat Airf	low <sup>3</sup>	2130	2075	2020	1970	1910	1855	1805	1745	1690	1630
(SW1)	lan	Linet Airf		1955	1705	1730	1670	1605	1545	1480	1420	1360	1300



SW1	DIP SWITCH	CONFIGURATION		58TP0A/58TP1A 80% AFUE, Variable-Speed, ECM Motor, Two-Stage, 4-Way Multipoise, Non-Condensing Gas Furnace, Series A	Sigler Wholesale Distributors Carrier Turn to the experts
Switch	Description		Factory		
1	Status Code Recovery - Turn ON to intrieve status codes.	See manual for use.	OFF		
2	Low Heat Only - SW1 - 2 DFF allows two-stage operation SW1 - 2 DN for two-stage operation using two-stage TSTAT.	using single stage TSTAT (Adaptive Heat Mode).	OFF		
3	Not used		OFF		Data & MO side when
4	Comfort/Efficiency Adjust - Turn ON to decrease low- approximately 10% for maximum comfort,	heat airflow by approximately 7% and high-heat.	ON		A/C setup switches are in
5	CFM per Ton Adjust - See Airliow Tables in manual for	desired settings. Also see SW2-2.	OFF		OFF position.
6	Component Self Test - Turn ON to initiate Component disconnected, Turn OFF when Sell Test is completed.	Self Test for troubleshooting assistance when R TSTAT lead is	OFF	1006L SZE 37-045 DEF. 1.572 2T 2.57 374 3T 3T 3T C	airflow when CF switches
788	Blower Oft Delay - See manual or unit wiring diagram for Factory default is 120 Seconds.	settings. Adjustable 90 - 190 seconds.	7-ON B-OFF	31-070 DEF. 1.572 27 2.51 311 3.51 3.51 3.51 CFM → 41-070 DEF. 1.572 27 2.51 31 3.51 471 471 471 471 471 471 471 471 471 47	
SW2 Switch	Description		Factory	ST-090         DEF.         212         2.5T         3T         3.5T         4T         517         5.5T           SST-140         DEF.         212         2.5T         3T         3.5T         4T         517         5.5T           SST-140         DEF.         212         2.5T         3T         3.5T         4T         517         5.5T           SW1         SW2         SW2	
1	Twinning - When Twinned fumece setup is required, SW2 - 1 SW2-1 DN selects the secondary fumace unit. See kit instructions	OFF selects the main furnace unit. for further details,	OFF		
2	CFM per Ton Adjust - See Airlow Tables in manual for	desired settings. Also see SW1 - 5,	OFF	Fig. 55 - Airflow Selection (based on 550 CFM/TON) for A/C (SW2-6, 7, 8) and	-CF (SW2-3, 4, 5)
3-5	CF Setup Switches - The Continuous Fan setup switch selects staffow, See Cooling Air Delivery Tables and Continuous Fan delivery	desired CF and low-stage cooling (two-stage A/C units) Tables (when creatent) for specific switch settings;	ALL OFF		
6-8	A/C Setup Switches - The Air Conditioning setup switch units) sufflow, See Cooling Air Delivery Tables in manual for specific	salects desired cooling or high-stage cooling (two-stage awdon settings,	ALL OFF		

	SERVICE	
LED CODE STATUS CONTINUOUS OFF - Check for 115VAC at L1 and L2, and 24VAC at SEC-1 and SEC-2. CONTINUOUS ON - Control has 24VAC potent RAPID FLASHING - Line withigh (115VAC) loginity reversed.	If status code recall is needed disconnect to position. To dear the status code history p "WWI", and "YY?2" simultaneously until st	he "R" thermostal lead, reset power, and put setup switch "SW1-1" in the to setup switch "SW1-1" in the ON position and jumper thermostal termin alus code #11 is flashed.
EACH OF THE FOLLOWING STATUS CODES IS A TWO DIGIT NUMBER WITH	THE FIRST DIGIT DETERMINED BY THE NUMBER OF SHORT FLASHES	S AND THE SECOND DIGIT BY THE NUMBER OF LONG FLASHES.
<ul> <li>hours or as specified above.</li> <li>BLOWER ON AFTER POWER UP (115 VAC or 24 VAC) - Blower runs for 90 seconds, if unit is powered up during a call for heat (R-WWH closed) or 16 MMT CROUT LOCKM Verification of the closed vert switch (if used) is open longer than 3 minutes or 10 successive limit time stored with switch (if used) is open longer than 3 minutes or 10 successive limit time stored with switch (if used) is open longer than 3 minutes or 10 successive limit time stored with switch (if used) is open longer than 3 minutes or 10 successive limit time scored with switch (if used) is open longer than 3 minutes or 10 successive limit time score during high-head. Control will also reset after three hours. Refer to status code #33.</li> <li>IGNITOLOCKOUT - Control will INOT ado reset. Check for:</li></ul>	Defective inducer motor         - Low inducer voltage (115 VAC)         - Low inducer voltage (115 VAC)         - Low inducer voltage (115 VAC)         - Discontected or obstructed pressure tubing         - Discontected         - Restricted vent         - Proper vent sizing         - Excessive         - Inadequate combustion air supply (Flame Roll-out Sa         - Olde builup on times server (claim with line steel         - Olde builup on times server (claim with line steel         - Disconters), I Smoothers D.C.m.         - Olde builup on times server (claim with line steel         - Disconters), I Smoothers D.C.m.         - Gas value dedetive on turned off         - Flame server or multion         - Low-Heat These Server or multion         - Disconter tabus pressure switch such cogen         - Low-Heat These Server or multion         - Disconter tabus pressure switch such cogen         - Cost with register witch such cogen         - Cost with register witch such cogen         - Class value relative relative class value dedetive relative contered pressure         - Low-Heat These server or multion         - Disconter tabus pressure switch such cogen         - Class value relative relative class value         - Class value relative relatitabus         - Class value relative	usion air supply save (if LGPS used) and, flame rollour, or and, flame rollour, or and the ro



















		(SV	V1-5 and S	W4-3 set	to OFF, e	xcept as	indicated	See note	s 1 and 2	.)				Wholesale
Unit Size: 060C1714	Clg/CF	Switch s	ettings				Exter	nal 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	
Clg Default:	OFF	OFF	OFF	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
CF Switches	SW3-3	SW3-2	SW3-1						_					
Low-Clg Default:	OFF	OFF	OFF	545	530	520	525	510			See note 4	1		
	OFF	OFF	ON	545	530	520	525	510		1	See note 4	1		
	OFF	ON	OFF	710	710	710	695	690		1	See note 4	1	100.000	
Cooling Airflow	OFF	ON	ON	875	880	890	895	895	890	885	880	870	855	
(SW2)	ON	OFF	OFF	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
Low-Cooling	ON	OFF	ON	1235	1240	1250	1255	1255	1250	1230	1190	1155	1115	
Airflow (SW3)	ON	ON	OFF	1235	1240	1250	1255	1255	1250	1230	1190	1155	1115	
	ON	ON	ON	1235	1240	1250	1255	1255	1250	1230	1190	1155	1115	
	Maxim	num Clg A	irflow <sup>2</sup>	1425	1425	1405	1370	1335	1300	1260	1225	1190	1155	
CF Switches	SW3-3	SW3-2	SW3-1							· · · · · · ·				
Cont. Fan Default:	OFF	OFF	OFF	545	530	520	525	510			See note 4	1		
200 March 1997	OFF	OFF	ON	545	530	520	525	510	(a. 1		See note 4	1		
	OFF	ON	OFF	710	710	710	695	690	· · · · · · · · · · · · · · · · · · ·		See note 4	1		
	OFF	ON	ON	875	880	890	895	895	890	885	880	870	855	
Continuous Fan	ON	OFF	OFF	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
Annow (SWS)	ON	OFF	ON	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
	ON	ON	OFF	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
	ON	ON	ON	1060	1070	1080	1080	1075	1065	1050	1035	1025	1010	
	Maxim	um Heat A	Airflow <sup>3</sup>	1075	1085	1095	1095	1090	1080	1065	1050	1035	1020	
Heating (SW1)	Intermed	diate Heat	Airflow <sup>3</sup>	535	515	505	515	495			See note 4	1		
	Minim	um Heat A	irflow <sup>3</sup>	420	410	415	400	380		10	See note 4	1		

		(5)	vi-5 and 3	WW4-5 Set	to OFF, e	except as	indicated.	See note	s 1 and 2	.)			
Unit Size: 060C2120	Clg/CF	Switch s	ettings				Extern	nal 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
Clg Default:	OFF	OFF	OFF	1735	1735	1725	1715	1700	1685	1665	1650	1625	1605
CF Switches	SW3-3	SW3-2	SW3-1										
ow-Clg Default:	OFF	OFF	OFF	540	525	525	520	540	2		See note 4	4	
	OFF	OFF	ON	540	525	525	520	540			See note 4	4	
	OFF	ON	OFF	680	725	725	720	720			See note 4	4	
Cooling Airflow	OFF	ON	ON	925	915	910	895	900	890	875	865	860	855
(SW2)	ON	OFF	OFF	1070	1075	1080	1070	1080	1075	1055	1045	1030	1020
Low-Cooling	ON	OFF	ON	1215	1245	1235	1220	1220	1210	1200	1195	1185	1175
Airflow (SW3)	ON	ON	OFF	1380	1385	1395	1390	1395	1390	1380	1365	1355	1340
	ON	ON	ON	1735	1735	1725	1715	1700	1685	1665	1650	1625	1605
	Maxim	um Clg A	irflow <sup>2</sup>	1955	1950	1940	1925	1905	1885	1855	1815	1745	1685
CF Switches	SW3-3	SW3-2	SW3-1				-		-				
ont. Fan Default:	OFF	OFF	OFF	540	525	525	520	540			See note 4	4	
	OFF	OFF	ON	540	525	525	520	540	1		See note 4	4	
	OFF	ON	OFF	680	725	725	720	720			See note 4	4	
Continuous Fon	OFF	ON	ON	925	915	910	895	900	890	875	865	860	855
Airflow (SW3)	ON	OFF	OFF	925	915	910	895	900	890	875	865	860	855
(0110)	ON	OFF	ON	925	915	910	895	900	890	875	865	860	855
	ON	ON	OFF	925	915	910	895	900	890	875	865	860	855
	ON	ON	ON	925	915	910	895	900	890	875	865	860	855
21.22.32	Maxim	um Heat A	Airflow <sup>3</sup>	1080	1085	1095	1090	1095	1085	1070	1055	1045	1030
Heating (SW1)	Intermed	diate Heat	Airflow <sup>3</sup>	685	725	730	725	730	(		See note 4	4	
	Minimu	um Heat A	irflow <sup>3</sup>	560	555	555	550	565	1	1	See note 4	4	

Unit Size: 080C1714	Clg/CF	Switch s	ettings				Extern	nal 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
Clg Default:	OFF	OFF	OFF	1055	1065	1080	1075	1065	1050	1045	1035	1025	1005
CF Switches	SW3-3	SW3-2	SW3-1					-			-		-
Low-Clg Default:	OFF	OFF	OFF	520	505	505	495	490	-		See note 4	4	
	OFF	OFF	ON	520	505	505	495	490	1		See note 4	4	
	OFF	ON	OFF	665	685	680	660	665			See note 4	4	1 1 1 1
Cooling Airflow	OFF	ON	ON	885	895	905	900	900	895	885	875	860	845
(SW2)	ON	OFF	OFF	1055	1065	1080	1075	1065	1050	1045	1035	1025	1005
Low-Cooling	ON	OFF	ON	1245	1245	1255	1255	1260	1255	1250	1235	1220	1185
Airflow (SW3)	ON	ON	OFF	1245	1245	1255	1255	1260	1255	1250	1235	1220	1185
	ON	ON	ON	1245	1245	1255	1255	1260	1255	1250	1235	1220	1185
	Maxim	um Clg A	irflow <sup>2</sup>	1520	1485	1450	1415	1375	1335	1300	1265	1225	1190
CF Switches	SW3-3	SW3-2	SW3-1										-
ont. Fan Default:	OFF	OFF	OFF	520	505	505	495	490			See note 4	4	
	OFF	OFF	ON	520	505	505	495	490			See note 4	1	
	OFF	ON	OFF	665	685	680	660	665			See note 4	1	
0	OFF	ON	ON	885	895	905	900	900	895	885	875	860	845
Airflow (SW3)	ON	OFF	OFF	885	895	905	900	900	895	885	875	860	845
Annow (ovio)	ON	OFF	ON	885	895	905	900	900	895	885	875	860	845
	ON	ON	OFF	885	895	905	900	900	895	885	875	860	845
	ON	ON	ON	885	895	905	900	900	895	885	875	860	845
A. Shinks	Maxim	um Heat A	Airflow <sup>3</sup>	1520	1485	1450	1415	1375	1335	1300	1265	1225	1190
Heating (SW1)	Intermed	liate Heat	Airflow <sup>3</sup>	755	745	755	755	765			See note 4	4	
	Minimu	Im Heat A	irflow <sup>3</sup>	620	625	630	620	610		1	See note 4	1	

		(SV	V1-5 and S	W4-3 set	to OFF, e	xcept as	indicated	See note	s 1 and 2	.)			
Unit Size: 080C2120	Clg/CF	Switch s	ettings				Exter	nal 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
Clg Default:	OFF	OFF	OFF	1745	1755	1755	1760	1755	1750	1745	1725	1705	1685
CF Switches	SW3-3	SW3-2	SW3-1										
Low-Clg Default:	OFF	OFF	OFF	700	710	750	725	750			See note 4	1	
	OFF	OFF	ON	700	710	750	725	750			See note 4	1	
	OFF	ON	OFF	830	860	870	890	960		13	See note 4	12	
Cooling Airflow	OFF	ON	ON	1045	1045	1060	1070	1070	1070	1095	1090	1080	1070
(SW2)	ON	OFF	OFF	1215	1220	1245	1240	1235	1235	1225	1220	1235	1235
Low-Cooling	ON	OFF	ON	1370	1370	1390	1390	1400	1395	1400	1390	1390	1385
Airflow (SW3)	ON	ON	OFF	1745	1755	1755	1760	1755	1750	1745	1725	1705	1685
	ON	ON	ON	1745	1755	1755	1760	1755	1750	1745	1725	1705	1685
	Maxim	um Clg A	irflow <sup>2</sup>	1920	1920	1945	1945	1945	1960	1950	1940	1915	1900
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	700	710	750	725	750			See note 4		
	OFF	OFF	ON	700	710	750	725	750	N		See note 4	1	
	OFF	ON	OFF	830	860	870	890	960	(		See note 4	P	- 10
Cantinuaux Fra	OFF	ON	ON	1045	1045	1060	1070	1070	1070	1095	1090	1080	1070
Airflow (SW3)	ON	OFF	OFF	1215	1220	1245	1240	1235	1235	1225	1220	1235	1235
Annon (0113)	ON	OFF	ON	1370	1370	1390	1390	1400	1395	1400	1390	1390	1385
	ON	ON	OFF	1370	1370	1390	1390	1400	1395	1400	1390	1390	1385
	ON	ON	ON	1370	1370	1390	1390	1400	1395	1400	1390	1390	1385
	Maxim	um Heat A	Airflow <sup>3</sup>	1340	1355	1370	1385	1380	1385	1400	1400	1385	1380
Heating (SW1)	Intermed	diate Heat	Airflow <sup>3</sup>	780	810	835	840	845			See note 4		
	Minimu	Im Heat A	irflow <sup>3</sup>	595	595	600	595	605			See note 4		

Unit Size: 100C2122	Clg/CF	Switch s	ettings				Extern	nal Static	Pressure	(ESP)				Wholesale
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	1820	1825	1840	1845	1840	1835	1825	1805	1780	1770	
CF Switches	SW3-3	SW3-2	SW3-1											
Low-Clg Default:	OFF	OFF	OFF	750	740	745	730	715			See note 4	14		
	OFF	OFF	ON	750	740	745	730	715	2		See note 4	1		
	OFF	ON	OFF	900	900	915	910	905			See note 4	1		
Cooling Airflow	OFF	ON	ON	1070	1075	1095	1095	1090	1085	1095	1080	1065	1070	
(SW2)	ON	OFF	OFF	1280	1285	1305	1305	1310	1305	1295	1300	1290	1285	
Low-Cooling	ON	OFF	ON	1440	1445	1465	1465	1470	1485	1480	1485	1475	1460	
Airflow (SW3)	ON	ON	OFF	1820	1825	1840	1845	1840	1835	1825	1805	1780	1770	
	ON	ON	ON	2135	2140	2140	2135	2140	2130	2115	2100	2070	2015	
	Maxim	num Clg A	irflow <sup>2</sup>	2160	2165	2175	2170	2160	2150	2135	2120	2065	2020	
CF Switches	SW3-3	SW3-2	SW3-1							-	-			
ont. Fan Default:	OFF	OFF	OFF	750	740	745	730	715			See note 4	1		
	OFF	OFF	ON	750	740	745	730	715			See note 4	1		
	OFF	ON	OFF	900	900	915	910	905	3		See note 4	1		
Continuous For	OFF	ON	ON	1070	1075	1095	1095	1090	1085	1095	1080	1065	1070	
Airflow (SW3)	ON	OFF	OFF	1280	1285	1305	1305	1310	1305	1295	1300	1290	1285	
	ON	OFF	ON	1440	1445	1465	1465	1470	1485	1480	1485	1475	1460	
	ON	ON	OFF	1440	1445	1465	1465	1470	1485	1480	1485	1475	1460	
	ON	ON	ON	1440	1445	1465	1465	1470	1485	1480	1485	1475	1460	
	Maxim	um Heat A	Airflow <sup>3</sup>	1570	1575	1595	1595	1600	1605	1600	1600	1590	1575	
Heating (SW1)	Intermed	diate Heat	Airflow <sup>3</sup>	950	955	965	975	970	10000	- T.	See note 4	1		
	Minimu	um Heat A	irflow <sup>3</sup>	755	745	750	735	720	21		See note 4	1		

		(6)	V4.5 and 6	144 2			In dia she d	See ast	a d and 2				
Unit Size: 120C24-22	Clg/CF	Switch s	ettings	W4-3 Set	10 0FF, 6	Acept as	Exter	nal 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
Clg Default:	OFF	OFF	OFF	1850	1855	1860	1855	1850	1830	1805	1775	1750	1730
CF Switches	SW3-3	SW3-2	SW3-1		-		-				-		
Low-Clg Default:	OFF	OFF	OFF	930	925	915	900	885			See note	4	
	OFF	OFF	ON	765	745	740	705	680		1	See note	4	
	OFF	ON	OFF	930	925	915	900	885			See note	4	
Cooling Airflow	OFF	ON	ON	1095	1100	1110	1105	1085	1		See note	4	
(SW2)	ON	OFF	OFF	1265	1255	1265	1280	1275	1285	1270	1260	1250	1230
Low-Cooling	ON	OFF	ON	1465	1455	1470	1465	1465	1470	1455	1450	1435	1415
Airflow (SW3)	ON	ON	OFF	1850	1855	1860	1855	1850	1830	1805	1775	1750	1730
	ON	ON	ON	2200	2200	2200	2190	2185	2170	2145	2085	1990	1890
	Maxim	um Clg A	irflow <sup>2</sup>	2200	2200	2200	2190	2185	2170	2145	2085	1990	1890
CF Switches	SW3-3	SW3-2	SW3-1										
Cont. Fan Default:	OFF	OFF	OFF	930	925	915	900	885	1	11	See note	4	_
	OFF	OFF	ON	765	745	740	705	680		1.1	See note	4	
	OFF	ON	OFF	930	925	915	900	885	1		See note	4	
Continuous Fon	OFF	ON	ON	1095	1100	1110	1105	1085		N	See note	4	
Airflow (SW3)	ON	OFF	OFF	1265	1255	1265	1280	1275	1285	1270	1260	1250	1230
	ON	OFF	ON	1465	1455	1470	1465	1465	1470	1455	1450	1435	1415
	ON	ON	OFF	1465	1455	1470	1465	1465	1470	1455	1450	1435	1415
	ON	ON	ON	1465	1455	1470	1465	1465	1470	1455	1450	1435	1415
and the second second	Maxim	um Heat A	Airflow <sup>3</sup>	1815	1820	1825	1820	1815	1795	1775	1745	1720	1700
Heating (SW1)	Intermed	diate Heat	Airflow <sup>3</sup>	1095	1100	1110	1105	1085	1		See note	4	
	Minim	um Heat A	irflow <sup>3</sup>	905	900	890	875	855			See note	4	

Carrier

Turn to the experts

ALL STONE HERE

D

P

Carrier

M

D

163

59SC2D

Single-Stage, 35-in. (889 mm) Tall, 4-Way Multipoise High Efficiency Condensing Gas Furnace

## 59SC2D040E14--10 →

- 59SC2D040E17--12
- 59SC2D060E14--12
- 59SC2D060E17--14
- 59SC2D080E17--16
- 59SC2D080E21--20
- 59SC2D100E21--20
- 59SC2D120E24--20

Sigler Wholesale Distributors





FURNACE	SPEED	Franction	1.00		EXTER	NAL S	TATIC I	PRESS	URE (II	N.W.C.)		
SIZE	TAPS	Function	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	Gray	Cooling. Do not use for heating	1120	1085	1055	1015	985	950	915	880	850	815
1000	Yellow	Cooling. Do not use for heating	925	885	850	810	775	735	695	660	620	580
040E1410	Blue <sup>3</sup>	Heating or alt Cooling	765	725	685	640	605	565	525	475	430	375
2620.000	Orange <sup>3</sup>	Alt Cooling or alt Heating	750	710	665	625	585	545	500	455	405	350
	Red 3, 7	Alt Cooling. Do not use for heating	510	435	400	345	290	230	190	145	-	-
	Gray	Cooling. Do not use for heating	1120	1090	1055	1020	985	950	915	875	840	805
1	Yellow	Cooling. Do not use for heating	910	880	845	800	760	720	680	640	595	555
040E1712	Orange	Alt Cooling or alt Heating	835	795	760	720	680	630	585	540	505	475
	Blue <sup>3</sup>	Heating or alt Cooling	740	700	660	610	565	520	475	440	405	365
	Red <sup>3, 7</sup>	Alt Cooling. Do not use for heating	555	500	445	395	350	315	260	205	-	-
	Gray	Cooling. Do not use for heating	1165	1140	1110	1080	1035	1000	960	920	870	825
	Blue	Heating or alt Cooling	1105	1085	1050	1010	975	930	890	845	795	755
060E1412	Yellow	Alt Cooling or alt Heating	1040	1000	960	920	880	840	785	740	690	640
	Orange <sup>3</sup>	Alt Cooling or alt Heating	840	795	750	705	655	610	555	500	450	395
10.00	Red <sup>3</sup>	Alt Cooling. Do not use for heating	745	615	555	510	450	390	340	290	230	195
	Gray	Cooling. Do not use for heating	1335	1300	1275	1230	1190	1135	1090	1040	985	925
1.000	Yellow	Alt Cooling or alt Heating	1170	1135	1095	1045	995	940	890	825	770	700
060E1714	Blue <sup>3</sup>	Heating or alt Cooling	1010	965	910	855	800	735	675	615	555	505
	Orange <sup>3</sup>	Alt Cooling or alt Heating	960	905	855	800	740	675	615	555	505	460
	Red <sup>3</sup>	Alt Cooling. Do not use for heating	910	735	675	605	535	485	430	375	330	265
	Gray	Cooling. Do not use for heating	1545	1505	1460	1420	1365	1320	1275	1225	1180	1135
	Blue	Heating or alt Cooling	1375	1330	1275	1225	1175	1125	1075	1025	970	920
080E1716	Yellow <sup>3</sup>	Alt Cooling or alt Heating	1195	1140	1090	1040	985	930	875	815	765	705
10 - 0 CE 2 C - 0 CE	Orange <sup>3</sup>	Alt Cooling. Do not use for heating	1015	955	900	845	780	730	670	615	550	490
	Red 3, 7	Alt Cooling. Do not use for heating	945	735	575	520	450	375	325	260		-

											Wholes	sig
FURNACE	SPEED	Eurotion	- 1		EXTER	NAL S	TATIC	PRESS	URE (I	N.W.C.	)	
SIZE	TAPS	Function	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.0
	Gray 5, 6	Cooling. Do not use for heating	2020	1965	1920	1865	1815	1760	1705	1650	1595	154
	Yellow	Alt Cooling or alt Heating	1650	1590	1535	1475	1425	1370	1315	1260	1205	114
080E2120	Blue	Heating or alt Cooling	1495	1430	1365	1310	1260	1200	1145	1085	1030	97
	Orange	Alt Cooling or alt Heating	1420	1355	1290	1235	1175	1120	1060	1005	945	89
	Red <sup>3</sup>	Alt Cooling. Do not use for heating	1200	1120	1060	995	940	875	810	750	685	62
	Gray 5, 6	Cooling. Do not use for heating	2060	2010	1955	1905	1850	1800	1750	1690	1630	156
	Blue	Heating or alt Cooling	1730	1675	1620	1565	1510	1455	1385	E         IN.W.C.           70         0.80         0.9           705         1650         156           705         1650         152           705         1650         152           705         1650         152           705         1650         152           705         1600         162           705         1690         16           750         1690         16           750         1690         16           755         1025         122           755         1055         105           755         1925         188           757         1830         175           720         1470         142           720         1470         142           720         1110         109           725         1660         160           1440         1375         133           900         1030         95           05         825         76           60         585         52	1270	121
100E2120	Yellow	Alt Cooling or alt Heating	1685	1630	1570	1515	1460	1410	1345		1225	117
	Orange <sup>3</sup>	Alt Cooling or alt Heating	1445	1370	1310	1250	1185	1115	1055		950	87
	Red <sup>3</sup>	Alt Cooling. Do not use for heating	1235	1155	1090	1020	945	900	835	755	690	63
	Gray 5,6	Cooling. Do not use for heating.	2205	2160	2120	2085	2045	2005	1965	1925	1885	184
	Yellow 5, 6	Alt Cooling. Do not use for heating.	2120	2080	2035	1995	1955	1915	1875	1830	1790	174
100E2122	Orange	Alt Cooling or alt Heating	1800	1755	1710	1665	1615	1570	1520	1470	1420	137
	Blue	Heating or alt Cooling	1680	1630	1580	1535	1485	1435	1380	1330	1275	122
	Red <sup>3</sup>	Alt Cooling or alt Heating	1500	1445	1390	1340	1285	1225	1170	E (IN.W.C. 70 0.80 705 1650 115 1260 145 1085 1060 1005 10 750 1690 135 1225 145 1280 155 1005 135 755 165 1925 175 1830 130 130 130 130 130 130 130 1	1055	100
	Gray 5, 6	Cooling. Do not use for heating	2070	2020	1965	1910	1850	1790	1725	1660	20/holds           0.90           1595           1205           1030           945           685           1630           1270           1225           950           690           1885           1790           14205           1055           1055           1055           1055           1315           950           760	155
	Blue	Heating or alt Cooling	1795	1735	1680	1620	1560	1495	1440	1375	1315	125
120E2420	Yellow <sup>3</sup>	Alt Cooling or alt Heating	1465	1400	1340	1270	1210	1150	1090	IN.W.C.)           0         0.80         0.9           15         1650         15           15         1260         12           15         1085         10           15         1085         10           15         1200         12           15         1085         10           15         1280         12           15         1280         12           15         1280         12           15         1280         12           15         1280         12           15         1280         12           15         1280         12           15         1280         12           15         1200         12           16         1330         12           10         1330         12           10         1430         13           10         1410         10           10         1330         12           10         1330         12           10         1330         13           10         1330         13           10         1330	950	88
	Orange <sup>3</sup>	Alt Cooling. Do not use for heating	1295	1235	1165	1095	1030	970	905	825	760	70
	Red <sup>3</sup>	Alt Cooling. Do not use for heating	1095	1020	945	875	805	730	660	585	525	46







dia sult	MIDELEAD	SPEED		EXTERNAL STATIC PRESSURE (IN.W.C.)								
UNIT SIZE	COLOR	TAPS <sup>2,3</sup> (Function)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	Black	Cooling. Do not use for heating	1045	1010	975	935	895	855	810	760	715	670
	Yellow	Alt Cooling or alt Heating	820	770	730	680	630	585	530	480	435	385
026E14-10	Orange	Alt Cooling or alt Heating	655	600	550	495	435	385	335	265		-
	Blue 7	Heating or alt Cooling	605	545	490	435	375	335	255		1.14/11	
	Red 7	Alt Cooling. Do not use for heating	480	415	360	305	235		-		1.1610	
	Gray	Cooling. Do not use for heating	1050	1025	1000	975	950	920	895	870	845	820
	Yellow	Alt Cooling. Do not use for heating	920	890	860	830	805	775	745	715	690	660
040E1410	Orange	Alt Cooling or alt Heating	735	700	665	630	595	555	525	490	450	415
	Blue	Heating or alt Cooling	695	660	625	590	555	515	480	445	405	370
	Red 7	Alt Cooling. Do not use for heating	540	495	455	410	365	320	280	235	-	112.1
	Gray	Cooling. Do not use for heating	1180	1140	1100	1055	1010	960	915	860	805	735
	Yellow	Alt Cooling. Do not use for heating	880	845	810	780	745	710	675	640	600	570
040E17-12	Blue	Heating or alt Cooling	650	610	560	515	470	435	395	360	325	265
0.02.11.12	Orange <sup>7</sup>	Alt Cooling. Do not use for heating	525	460	405	350	320	275	210	1.4.1	-	-
	Red <sup>7</sup>	Alt Cooling. Do not use for heating	515	420	350	310	270	205	-	1.1	-	
	Gray	Cooling. Do not use for heating	1225	1200	1175	1145	1120	1095	1065	1040	1015	990
	Yellow	Alt Cooling. Do not use for heating	1105	1080	1050	1020	990	965	935	905	880	850
060E14-12	Blue	Heating or alt Cooling	940	910	875	845	810	775	745	710	680	645
	Orange	Alt Cooling or alt Heating	725	690	650	610	570	530	490	445	405	365
	Red <sup>7</sup>	Alt Cooling. Do not use for heating	545	495	445	395	345	295	245		1.1	-
	Gray	Cooling. Do not use for heating	1475	1445	1405	1370	1330	1290	1255	1215	1175	1140
	Yellow	Alt Cooling or alt Heating	1230	1190	1155	1120	1085	1050	1005	970	925	885
060E1714	Orange	Alt Cooling or alt Heating	1070	1030	990	950	920	875	840	800	755	715
	Blue	Heating or alt Cooling	1020	975	940	900	860	820	775	740	690	650
	Red	Alt Cooling. Do not use for heating	700	590	535	485	460	390	340	300	275	210
	Gray 5, 6	Cooling. Do not use for heating	1820	1790	1755	1710	1665	1620	1570	1525	1480	1435
	Yellow	Alt Cooling or alt Heating	1455	1420	1380	1345	1310	1275	1240	1205	1170	1135
080E1716	Blue	Heating or alt Cooling	1335	1295	1260	1220	1185	1150	1110	1075	1040	1005
	Orange	Alt Cooling or alt Heating	1110	1065	1020	980	935	895	850	810	770	725
	Red 7	Alt Cooling, Do not use for heating	425	335	240			-			-	-

													2	ig	ill
												U	lkoles	vale L	list
1.1	A COMPANY AND A CO														
	58TP0A/58TP1A				SPEED	-	_	EXTE	RNAL	STATIC	PRESS	JRE (IN.	W.C.)	_	_
	Two Stano A Way Mullipping	HYBRENEAT	UNIT SIZE	COLOR	TAPS 2.3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	Two-stage, 4-way multipolse,	1.000		Crow 5.5	Cooling. Do not use for heating	2046	1005	1950	1000	1865	1805	1760	1710	1860 1	816
	Non-Condensing Gas Furnace, Series A		1 mg 7 mm 7	Yellow	Alt Cooling. Do not use for heating	1665	1625	1575	1530	1480	1435	1385	1340	1285 1	240
1. Sec. 1. Sec. 1.	the second se		080E2120	Orange	Alt Cooling or alt Heating	1475	1420	1370	1320	1270	1220	1170	1125	1070 1	025
Avid Li	ownfurtFan <sup>10</sup> technology allows you to choose fan speeds in "Co	milaN.		Blue	Heating or alt Cooling	1345	1290	1235	1180	1130	1080	1025	975	935 8	185
X0107 etc.	wide from a compatible thermostat			Red	Alt Cooling. Do not use for heating	1155	1080	1015	960	895	845	790	735	675 €	20
			100E2120	Gray <sup>3, 5</sup>	Cooling. Do not use for heating	2280	2240	2200	2165	2125	2085	2020	1910	1795 1	665
See	and a second state of the second state of the second			Yellow <sup>b. 6</sup>	Alt Cooling. Do not use for heating	1860	1815	1775	1730	1690	1645	1605	1560	1515 1	465
The continu	aous fan speed can be further adjusted at the thermostai			Blue	Heating or alt Cooling	1755	1710	1665	1620	1580	1535	1485	1440	1390 1	340
using the C			Red	Cooling, Do not use for heating	1340	1285	1925	1170	1323	12/5	990	930	875 8	120	
function. C		100F21-22	Gray 5,6	Cooling. Do not use for heating	2215	2180	2145	2105	2065	2025	1985	1940	1900 1	860	
DOES NO?			Vellow 5.6	Alt Cooling, Do not use for heating	2115	2080	2035	2000	1960	1920	1880	1835	1790 1	740	
manipul her			Orange 5.0	Alt Cooling, Do not use for beating	1975	1935	1890	1850	1805	1760	1720	1670	1620 1	570	
control board Soc the section tilled Continuing Blower Speed			1011267, 300	Dhug 5.6	Heating or all Cooling	1810	1765	1715	1670	1620	1570	1515	1460	1405 1	355
Selection from Thermostat in the Sequence of Operation section of				Red	Alt Cooling. Do not use for heating	1530	1475	1425	1360	1300	1240	1175	1115	1055 1	000
this docume	ent.			Gray 5,6	Cooling. Do not use for heating	2310	2255	2205	2155	2105	2055	2005	1955	1910 1	885
				Blue 5,6	Heating or alt Cooling	2065	2020	1970	1915	1860	1805	1740	1690	1635 1	580
I. Nomenal 210 CEM/lon-	moling aerfline is delivered with SW1-5 and SW2-2 set to OFF		120E2422	Yellow 5.6	Alt Cooling or alt Heating	1850	1800	1745	1690	1640	1585	1530	1475	1420 1	360
Sci both SW1-5 and SV	W2-2 to ON fire +7% airflow (commal 370 CFM/ton).			Orange	Alt Cooling. Do not use for heating	1500	1440	1380	1320	1260	1205	1145	1085	1035 9	165
Set SW1-5 to ON and 5	SW2-2 to OFF for +15% airflow (norminal 400 CFM/ton).			Red	Alt Cooling. Do not use for heating	1070	960	875	805	710	630	560	490	420 3	155
Set SW3-2 to ON and P	SWI-5 to OFF fire -7% airflast (nominal 325 CFM/ton)		· · · · · · · · · · · · · · · · · · ·	Gray 5.6	Cooling. Do not use for heating	2505	2465	2425	2370	2310	2250	2180	2090	1955 1	810
The above adjustments	in airflow are subject to motive horsepower range-capacity		Constant in	Blue 5, 6	Heating or alt Cooling	2180	2130	2085	2035	1990	1945	1900	1850	1800 1	755
This applies to Cooling	g and Low-Cooling airflow, but does not allest continuous Jan airflow.	A CONTRACTOR OF	140E2422	Yellow 5.6	Alt Cooling or alt Heating	1910	1855	1810	1760	1705	1655	1605	1555	1505 1	460
2 Maximum cooling artic	ow is achieved when owitches 5W2-6, 5W2-7, 5W2-8 and 5W1-5 are so	(10,0%, and 5W2-2 in pet to OF1.		Orange	All Cooling. Do not use for heating	1560	1505	1445	1380	1325	1265	1210	1155	1100 1	040
				Red /	Alt Cooling. Do not use for heating	855	760	665	565	470	385	305			













Fixed – Speed

Electricality Commutated Motors Much mor efficient than a PSC. About \$120.00 to \$150.00 constant on per year.

These number are for comparatives! This number depends on your location and electrical rate!\*

## *Fixed-Speed Constant Torque (FCT) ECM* Non communicating. 5 speeds, programmed into motor. Low voltage from control board to motor. Airflow reductions as ESP increases (constant torque).









Sigle

# Warnings

• Proper Personal Protective Equipment (PPE) should be utilized at all times

• Caution should be used at all times when performing the procedures outlined in this presentation

• Read and Follow all Warnings and cautions outlined in the Installation, Startup Operating and Maintenance Instruction manual

### 183

# <section-header><section-header><text><image><text><text><text>

A

HAZARD

damage.

furnace.

and maintenance.

WARNING

**ELECTRICAL SHOCK, FIRE OR EXPLOSION** 

Failure to follow safety warnings could result in dangerous operation, serious injury, death or property

Improper servicing could result in dangerous operation,

- Before servicing, disconnect all electrical power to

- When servicing controls, label all wires prior to

- Always reinstall access doors after completing service

serious injury, death or property damage.

disconnection. Reconnect wires correctly.

- Verify proper operation after servicing.

# Checking Line Voltage -Power Choke

- ¾ hp & 1 hp PWM blower motors have a power choke located on the blower housing
- Power chokes are used to filter line power and to reduce current draw of the motor
- Power choke may be bypassed for troubleshooting purposes



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# Checking Line Voltage - Power Choke

- Open the blower door switch
- Disconnect L1 feed to power choke
- Insert meter probe into the L1
   connector from the furnace control
- Manually close blower door switch and verify 115 VAC power
- Release blower door switch
- Reconnect L1 to power choke



















## Checking Motor Torque Control Signal • Initiate Component Self Test using Service Tech App or pushbuttons on control

- (+) Meter probe remains in the back of the yellow lead of PL16
- Touch other (-) meter probe to C on furnace control
- Initially, voltage will be about 10 to 15 VDC (blower off) as Component Self Test Starts





Sigler

# Motor Control Voltages Component Self Test

1. Remove blower door.

2. Remove the wire from the thermostat "R" terminal from the control board or disconnect the communication connector from the control board

3. Initiate Component test from Service App or from pushbuttons

Function during Component Self Test	Start Time	End Time	Voltage						
	0 Sec	0 Sec	Yellow wire of PL16 to Com	Brown wire of PL16 to Com					
Inducer starts in high speed and stays running	0 Sec		10 to 15VDC	15 VDC					
Hot surface igniter turns on	10 Sec	25 Sec	10 to 15 VDC	15 VDC					
Blower motor turns on at 50% PWM	25 Sec	35 Sec	5 to 8 VDC	15 VDC					
Inducer turns off		45 Sec	10 to 15 VDC	15 VDC					
























































## ••••

# Zone Smart Sensor

#### Smart Sensor Setup

After successful communications with the Master Thermostat has occurred, the screen shall change to the Home Screen. However, if the Zone Address has never been set, the Enter Zone Address Screen is displayed instead with an initial zone number of 2.



Use the up/down buttons to select the correct zone address number 1 through 8. If only one Damper Control Module exists, the zone address selection will only be 1 through 4. Once the zone number is selected, press the save button to store the zone address and exit the setup menu. The Smart Sensor is ready to operate.

#### Changing Zone Address

To change an existing zone address, enter the setup menu by swiping from Left to Right on the Home Screen to display the Fan Screen, pressing and holding the Fan button for 6 seconds, and then pressing on the Zone Address Line. Use the up/down buttons to select the correct zone address and then press "Done" and exit the setup menu. If no buttons are pressed for approximately 30 minutes, the screen will automatically save and exit back to a normal display.

To ensure that all changes are recognized by the main control, perform the "Full Installation" function in the Installation & Service Menu of the Touch Control after zone addresses are changed.











































AC1Stage — 1-stage air conditioner

- \*AC2Stage 2-stage air conditioner
- \*HP1Stage 1-stage heat pump
- <sup>\*</sup>HP2Stage 2-stage heat pump
- None No outdoor unit installed
  - \*. Network Interference Module (NIM) may be required for these selections to be displayed.







	Table 1 - NIM and	TRB Requirements for M	Newest ERV/HRV	
Infinity® System Control / Evolution® Connex™ Control	ERV Product	HRV Product	Network Interface Module SYSTXCCNIM01	Translator Board SYSTXXXTRB01
SYSTXCCITC01-B SYSTXCCITC01-C SYSTXCCWIC01-B SYSTXCCWIF01-B SYSTXBBECC01-B SYSTXBBECC01-C SYSTXBBECC01-B SYSTXBBECF01-B SYSTXBBECF01-B	ERVXXSVA1130	HRVXXSVA1130	Required	Required
	ERVXXSHA1130	HRVXXSHA1130	Required	Required
	ERVXXSVB1145	HRVXXSVA1160	Required	Required
	ERVXXSHB1145	HRVXXSHA1160	Required	Required
	ERVXXSVA1150	HRVXXSVB1160	Required	Required
	ERVXXSHA1150	HRVXXSHB1160	Required	Required
	ERVCRLHB1200	HRVCRLHB1250	Required	Not Required
Infinity® Zone Panel / Evolution® Zone Panel	ERV Product	HRV Product	Network Interface Module SYSTXCCNIM01	Translator Board SYSTXXXTRB01
SYSTXCC4ZC01 SYSTXBB4ZC01	ERVXXSVA1130	HRVXXSVA1130	Not Required	Required
	ERVXXSHA1130	HRVXXSHA1130	Not Required	Required
	ERVXXSVB1145	HRVXXSVA1160	Not Required	Required
	ERVXXSHB1145	HRVXXSHA1160	Not Required	Required
	ERVXXSVA1150	HRVXXSVB1160	Not Required	Required
	ERVXXSHA1150	HRVXXSHB1160	Not Required	Required
	ERVCRLHB1200	HRVCRLHB1250	Not Required	Not Required













Sigle Whalesale Distril **Communication Troubleshooting** User Interface Indoor Unit outdoor Unit A в в в С С С D D Circumstances may need a third wire to the outdoor unit











User Interface Indoor Unit 3-4.5 VDC Steady = good Outdoor Unit B C D Using a Voltmeter



Sigler Wholesale Distributors Turn off power. Isolate the ABCD wires from the board being tested. Use an Ohmmeter to check the condition of the comm driver. Resistance readings should be in the range shown. A to B A to C B to C Outdoor 31K 18.6K 14.3K Furnace 29.6k 15.8k 13.8k Touch 71-74.7k 42-47.5k 41k Smart 71.5k 43.3k 41k UI (button) 71.1k 42.9k 41k Zone Brd 72.5 43-44k 41k FE4 18.3 Older 17.5 9.1 8.5 Furnace Make sure you meter can read resistances in this range before condemning a device.













### **Led Indicatiors**

Under normal operation, the Yellow and Green LEDs will be on continuously (solid). If the Evolution® Damper Control does not receive communications with the Evolution® Connex<sup>TM</sup> Wall Control, the Green LED will **not** be on. If there are faults present, the Yellow LED indicator will blink a two-digit status code. The first digit will blink at a fast rate, and the second at a slow rate.



Status Code	Description		
16 =	Communication Failure		
24 =	Damper Fuse Failed		
45 =	Board Failure		
46 =	Low Input Voltage		




















































If air is exposed to the following substances, it should not be used for combustion air, and outdoor air may be required for combustion: Permanent wave solutions • Printing inks, paint removers, varnishes, etc. • Hydrochloric acid Chlorinated waxes and cleaners • Cements and glues • Chlorine based Antistatic fabric softeners for clothes dryers swimming pool chemicals Masonry acid washing materials • Water softening chemicals • De-icing salts or chemicals Carbon tetrachloride Halogen type refrigerants • Cleaning solvents (such as perchloroethylene)

All fuel-burning equipment must be supplied with air for fuel combustion. Sufficient air must be provided to avoid negative pressure in the equipment room or space. A positive seal must be made between the furnace cabinet and the returnair duct to prevent pulling air from the burner area and from draft safeguard opening.

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The requirements for combustion and ventilation air depend upon whether or not the furnace is located in a space having a volume of at least 50 cubic feet per 1,000 BTU input rating for all gas appliances installed in the space. • Spaces having less than 50 cubic feet per 1,000 BTU require the OUTDOOR COMBUSTION AIR METHOD. • Spaces having at least 50 cubic feet per 1,000 BTU may use the INDOOR COMBUSTION AIR, STANDARD or KNOWN AIR INFILTRATION METHOD.



INPUT (BTUH)   Free Area of Opening and Duct (sq. in. / sq. mm)   Round Duct Diameter (in./mm)   Free Area of Opening and Duct (sq. in. / sq. mm)   Round Duct Diameter (in./mm)   Free Area of Opening and Duct (sq. in. / sq. mm)   Round Duct Diameter (in./mm)     44,000   22 (14193)   6 (152)   14.7 (9484)   5 (127)   11 (7097)   4 (102)     66,000   33 (21290)   7 (178)   22 (14193)   6 (152)   16.5 (10645)   5 (127)     110,000   55 (35484)   9 (229)   36.7 (23677)   7 (178)   22.7 (14193)   6 (152)     132,000   66 (42581)   10 (254)   44 (28387)   8 (203)   33 (21290)   7 (178)     154,000   77 (49677)   10 (254)   51.3 (33096)   9 (229)   38.5 (24839)   8 (203)     EXAMPLES: Determining Free Area   TOTAL INPUT   110,000   +   30,000   =   (140,000 divided by 4,000)   =   35.0 Sq. In. for each two Vertical Ducts or Opening     66,000   +   40,000   =   (118,000 divided by 2,000)   =   35.0 Sq. In. for each of two Horizontal Ducts	FURNACE	TWO HORI (1 SQ. IN (1,100 S	ZONTAL DUCTS ./2,000 BTUH) SQ. MM/KW)	SINGLE DUCT ( (1 SQ. IN./3,0 (734 SQ. N	OR OPENING 00 BTUH) MM/KW)	TWO OPENINGS OR (1 SQ. IN./4, (550 SQ. I	TWO OPENINGS OR VERTICAL DUCT (1 SQ. IN./4,000 BTUH) (550 SQ. MM/KW)		
44,00022 (14193)6 (152)14.7 (9484)5 (127)11 (7097)4 (102)66,00033 (21290)7 (178)22 (14193)6 (152)16.5 (10645)5 (127)88,00044 (28387)8 (203)29.3 (18903)7 (178)22 (14193)6 (152)110,00055 (35484)9 (229)36.7 (23677)7 (178)27.5 (17742)6 (152)132,00066 (42581)10 (254)44 (28387)8 (203)33 (21290)7 (178)154,00077 (49677)10 (254)51.3 (33096)9 (229)38.5 (24839)8 (203)EXAMPLES: Determining Free AreaFURNACEWATER HEATERTOTAL INPUT110,000+30,000=(140,000 divided by 4,000)=35.0 Sq. In. for each two Vertical Ducts or Openings66,000+40,000=(106,000 divided by 3,000)=35.3 Sq. In. for a Single Duct or Opening88,000+30,000=(118,000 divided by 2,000)=59.0 Sq. In. for each of two Horizontal Ducts	INPUT (BTUH)	Free Area of Opening and Duc (sq. in. / sq. mm)	t Diameter (in./mm)	Free Area of Opening and Duct (sq. In. / sq. mm)	Round Di Diamete (in. / mn	Auct Free Area of Opening and Duct (sq. In. / sq. mm)	Round Duct Diameter (In./mm)		
$66,000$ $33\ (21290)$ $7\ (178)$ $22\ (14193)$ $6\ (152)$ $16.5\ (10645)$ $5\ (127)$ $88,000$ $44\ (28387)$ $8\ (203)$ $29.3\ (18903)$ $7\ (178)$ $22\ (14193)$ $6\ (152)$ $110,000$ $55\ (35484)$ $9\ (229)$ $36.7\ (23677)$ $7\ (178)$ $27.5\ (17742)$ $6\ (152)$ $132,000$ $66\ (42581)$ $10\ (254)$ $44\ (28387)$ $8\ (203)$ $33\ (21290)$ $7\ (178)$ $154,000$ $77\ (49677)$ $10\ (254)$ $44\ (28387)$ $8\ (203)$ $33\ (21290)$ $7\ (178)$ <b>EXAMPLES: Determining Free Area</b> FURNACEWATER HEATERTOTAL INPUT $110,000\ +$ $30,000\ =$ $(140,000\ divided\ by\ 4,000)\ =$ $35.0\ Sq.\ In.\ for\ each\ two\ Vertical\ Ducts\ or\ Openings\ 66,000\ +$ $40,000\ =$ $(118,000\ divided\ by\ 2,000)\ =$ $35.0\ Sq.\ In.\ for\ each\ two\ Vertical\ Ducts\ or\ Openings\ 88,000\ +$ $30,000\ =$ $88,000\ +$ $30,000\ =$ $(118,000\ divided\ by\ 2,000)\ =$ $59.0\ Sq.\ In.\ for\ each\ of\ two\ Horizontal\ Ducts\ Area$	44,000	22 (14193)	6(152)	14.7 (9484)	5 (127)	11 (7097)	4 (102)		
88,000   44 (28387)   8 (203)   29.3 (18903)   7 (178)   22 (14193)   6 (152)     110,000   55 (35484)   9 (229)   36.7 (23677)   7 (178)   27.5 (17742)   6 (152)     132,000   66 (42581)   10 (254)   44 (28387)   8 (203)   33 (21290)   7 (178)     154,000   77 (49677)   10 (254)   51.3 (33096)   9 (229)   38.5 (24839)   8 (203) <b>EXAMPLES: Determining Free Area</b> FURNACE   WATER HEATER   TOTAL INPUT   110,000   +   30,000   =   (140,000 divided by 4,000)   =   35.0 Sq. In. for each two Vertical Ducts or Openings     66,000   +   40,000   =   (106,000 divided by 3,000)   =   35.3 Sq. In. for a Single Duct or Opening     88,000   +   30,000   =   (118,000 divided by 2,000)   =   59.0 Sq. In. for each of two Horizontal Ducts	66,000	33 (21290)	7 (178)	22 (14193)	6 (152)	16.5 (10645)	5 (127)		
110,00055 (35484)9 (229) $36.7 (23677)$ 7 (178) $27.5 (17742)$ 6 (152)132,00066 (42581)10 (254)44 (28387)8 (203)33 (21290)7 (178)154,00077 (49677)10 (254)51.3 (33096)9 (229)38.5 (24839)8 (203)EXAMPLES: Determining Free AreaFURNACEWATER HEATERTOTAL INPUT110,000+30,000=(140,000 divided by 4,000)=35.0 Sq. In. for each two Vertical Ducts or Opening66,000+40,000=(106,000 divided by 3,000)=35.3 Sq. In. for a Single Duct or Opening88,000+30,000=(118,000 divided by 2,000)=59.0 Sq. In. for each of two Horizontal Ducts	88,000	44 (28387)	8 (203)	29.3 (18903)	7 (178)	22 (14193)	6 (152)		
132,00066 (42581)10 (254)44 (28387)8 (203)33 (21290)7 (178)154,00077 (49677)10 (254)51.3 (33096)9 (229)38.5 (24839)8 (203)EXAMPLES: Determining Free AreaFURNACEWATER HEATERTOTAL INPUT110,000+30,000=(140,000 divided by 4,000)=35.0 Sq. In. for each two Vertical Ducts or Openings66,000+40,000=(106,000 divided by 3,000)=35.3 Sq. In. for a Single Duct or Opening88,000+30,000=(118,000 divided by 2,000)=59.0 Sq. In. for each of two Horizontal Ducts	110,000	55 (35484)	9 (229)	36.7 (23677)	7 (178)	27.5 (17742)	6 (152)		
154,00077 (49677)10 (254)51.3 (33096)9 (229) $38.5 (24839)$ 8 (203)EXAMPLES: Determining Free AreaFURNACEWATER HEATERTOTAL INPUT110,000+ $30,000$ =(140,000 divided by 4,000)= $35.0$ Sq. In. for each two Vertical Ducts or Openings66,000+ $40,000$ =(106,000 divided by 3,000)= $35.3$ Sq. In. for a Single Duct or Opening88,000+ $30,000$ =(118,000 divided by 2,000)= $59.0$ Sq. In. for each of two Horizontal Ducts	132,000	66 (42581)	10 (254)	44 (28387)	8 (203)	33 (21290)	7 (178)		
EXAMPLES: Determining Free Area   FURNACE WATER HEATER   110,000 + 30,000 = (140,000 divided by 4,000) = 35.0 Sq. In. for each two Vertical Ducts or Openings   66,000 + 40,000 = (106,000 divided by 3,000) = 35.3 Sq. In. for a Single Duct or Opening   88,000 + 30,000 = (118,000 divided by 2,000) = 59.0 Sq. In. for each of two Horizontal Ducts	154,000	77 (49677)	10 (254)	51.3 (33096)	9 (229)	38.5 (24839)	8 (203)		
	110,000 66,000 88,000	+ 30, + 40, + 30,	000 = 000 = 000 =	(140,000 divided by 4,000) (106,000 divided by 3,000) (118,000 divided by 2,000)	= 3: = 3: = 55	5.0 Sq. In. for each two Vertical D 5.3 Sq. In. for a Single Duct or O 0.0 Sq. In. for each of two Horizo	Ducts or Openings pening ontal Ducts		



## DOWNFLOW INSTALLATION

- • Special Base, KGASB
- • Cased Coil Assembly Part No. CNPV, CNRV, CAP, or CAR
- • Coil Box Part No. KCAKC EMPTY COIL CASINGS

























VENTING The furnace shall be connected to a listed factorybuilt chimney or vent, or a clay-tile lined masonry or concrete chimney. Venting into an unlined masonry chimney or concrete chimney is prohibited. When an existing Category I furnace is removed or replaced, the original venting system may no longer be sized to properly vent the attached appliances. An improperly sized Category I venting system could cause the formation of condensate in the furnace and vent, leakage of condensate and combustion products, and spillage of combustion products into the living space. Vent system or vent connectors may need to be resized. Vent systems or vent connectors, must be sized to approach minimum size as determined using appropriate table found in the NFGC.



































			ON		2	NC	9	)V	1		(	NC		22	
			1 2	)	. 1	2			2			2			
Displa	y tube	STATE OF COLUMN	Set/outdoor on	ily Uni	ttype	Anti-cold	Aux-heat/dry		2 Freque	ency Time	Set/ir	ndoor only	Indoo	r conti	01







DIP Switch 2-1		
Ise for selection of the syst	tem: Cooling Only or He	at Pump
	teni. Coomig Only of He	at rump.
Table	10 — DIP Switch 2-	1
SW2-1	Result	Note
ON Cooling	Only	
OFF Heat P	ump	Default

IP Swi	itch 2-2	
e for fre	eze protection of the indoor coil (scenarios 1 thro	ugh 3 only)
	Table 11 — DIP Switch 2-2	
SW2-2	Result	Note
ON	Fan does not stop	
OFF	Fan stops if the indoor coil temperature is low	Default
TE: Ap	plicable only to the Ductless Style Indoor Heat	Pump uni





SW4-1	Result	Note
ON	The SW4-2 is available under fan only mode	
OFF	The SW1-2 is available	Default
IP Sw ot require eed (whe	itch 4-2 ed (planned for future applications). Select the inc en selecting DIP switch 4-1). Table 15 — DIP Switch 4-2	loor unit's :
IP Sw ot require eed (whe SW4-2	itch 4-2 ed (planned for future applications). Select the ind en selecting DIP switch 4-1). Table 15 — DIP Switch 4-2 Result	loor unit's :
IP Sw ot require eed (whe SW4-2 ON	itch 4-2 ed (planned for future applications). Select the ind en selecting DIP switch 4-1). Table 15 — DIP Switch 4-2 Result Medium fan speed	loor unit's :

## **ERROR CODES**

For ease of service, the 24V Interface is equipped with a diagnostic code display LED on the control board (ensure the 24V interface is installed with the directional arrow pointing up to successfully read the error code). Refer to the indoor or outdoor unit's service manual as listed in Table 16 for a troubleshooting breakdown.

Display	Malfunction and Protection Indication	Service Manual Reference
EO	Indoor EEPROM error	Indoor Service Manual
E2	Cross-zero detection error	Indoor or Outdoor Service Manual
E3	Indoor fan speed malfunction	Indoor Service Manual
E4	Indoor room temperature sensor error	Indoor Service Manual
E5	Evaporator coil temperature sensor error	Indoor Service Manual
EC	Refrigerant leak detection system malfunction	Indoor or Outdoor Service Manua
FØ	Current overload protection	Outdoor Service Manual
F1	Outdoor ambient temperature sensor (T4) malfunction	Outdoor Service Manual
F2	Condenser coil temperature sensor (T3) malfunction	Outdoor Service Manual
F3	Condenser coil temperature sensor (T5) malfunction	Outdoor Service Manual
F4	Outdoor unit EEPROM parameter error	Outdoor Service Manual
F5	Outdoor fan speed has been out of control	Outdoor Service Manual
F6	T2b sensor error	Indoor or Outdoor Service Manua
PO	Inverter module (IPM) malfunction	Outdoor Service Manual
P1	Over-voltage or under-voltage protection	Outdoor Service Manual

P2	Compressor top high temperature protection (OLP)	Outdoor Service Manual
<b>P</b> 3	Low ambient temperature cut off in heating	Outdoor Service Manual
P4	Compressor drive malfunction	Outdoor Service Manual
-	Mode conflict (when connected to a multi-zone)	Indoor Service Manual
<b>P6</b>	Compressor low-pressure protection	Outdoor Service Manual
IN	24V Interface and indoor unit communication malfunction	Indoor Service Manual (E1
0U	24V Interface (indoor unit) and outdoor unit communication malfunction	Indoor Service Manual (E1
00	24V Interface successful power up and in standby	Operational Code
01	System operating in cooling mode	Operational Code
02	System operating in heating mode	Operational Code
03	System operating in fan mode	Operational Code
04	System operating in dehumidify mode (not a recommended application for FV4C units)	Operational Code
05	System operating with Auxiliary heater active (not a recommended application)	Operational Code

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Scenario 5: Single Zone Fan Coils FV4C with 38MARB

Scenario 6: Compatible Single Zone Furnace with 38MARB















## SCENARIO 3: MULTI-ZONE OUTDOOR UNITS (38MGR\*) WITH APPROVED DUCTLESS INDOOR UNITS

- High Wall (Sizes 6K-24K)
- Cassette (Sizes 9K-24K)
- Ducted (Sizes 9K-24K) (\*refer to NOTES in the adjacent column)
- Console (Sizes 12K-24K)
- Air Handler (Size 18K-36K)
























Compatibility	y Controls												
	Indoor unit type	Single Zone / Multi-zone	HIGH WALL					CASSETTE		DUCTED	CONSOLE	AIR HANDLER	
	Indoor Family Name		40MPHA	40MPHB	40MAQ	40MAHB	40MHH	40MBCQ	40MBCAQ	40MBDQ	40MBFQ	40MBAA	40MBAB
WIRED CONTROLLERS	KSACN0101AAA	Single Zone & Multi-zone		o 18k	0	0	a.	8	a	8	6		1
	KSACN0401AAA	Single Zone & Multi-zone	0	process of	01	S	0	-	3		09-12‡		-
	KSACN0501AAA	Single Zone & Multi-zone		1		1		0	1	•	o 18-58	1	1
	KSACN0601AAA	Single Zone & Multi-zone	0	∘ 9-12k	• †	1000	0				09-12‡		
	KSACN0701AAA	Single Zone & Multi-zone		1		1		0	0	•"	o 18-58	-	1
	KSACN0801AAA	Single Zone & Multi-zone	1	∘ 18k		.0			Same and	-			1
	KSACN1001AAA	Single Zone & Multi-zone			1000				1.27.2.6				•
24V INTERFACE*	KSAIC0101115	Single Zone Only	)		a 115V	1	a 115V						
	KSAIC0101230	Single Zone Only	9		◦ 230V	6	o 230V	0		0	□ 12-58 F		1
	KSAIC0301230	Single Zone & Multi-zone	a.	0	o 230V	0 230V		0	0	0	0 12-58 F	BUILT-IN	BUILT-IN
WI-FI KITS	KSAIF0101AAA	Single Zone & Multi-zone		-	1000	10.000	o 9/12/24k		-		1.000		
	KSAIF0201AAA	Single Zone & Multi-zone	1	1	(	1	o 18k						
	KSAIF0301AAA	Single Zone & Multi-zone	1	1	0	1	1					1	1
	KSAIF0401AAA	Single Zone & Multi-zone	1		12-1-1			0		0	o 18-58		D
	KSAIF0601AAA	Single Zone & Multi-zone	•	•		-0			ø				1.000
					D OIL	-					_		
			P	HASE	DOU	T							
		NOT	AVAI	LABLE	E/CO	MPAT	IBLE						
			CUID	DENIT	MO	FIC							























## FAN SPEED

For applications where multiple speeds are needed, the fan outputs are G1(Low), G1+G2(Medium) and G1+G2+G3(High) and must be connected by running thermostat wiring from the 24V interface to the indoor unit using output connections G1, G1+G2, G1+G2+G3 as shown in Figure 19. Fan motor connections must be made according to the fan coil installation manual.











Continuous Blower Speed Selection from Thermostat:

To select different continuous-blower airflow from the room thermostat, momentarily turn off the FAN switch or push button on the room thermostat for 1-3 seconds after the blower motor BLWM is operating. The furnace control CPU will shift the continuousblower airflow from the factory setting to the next highest CF selection airflow. (See Table 12 and Fig. 55). Momentarily turning off the FAN switch again at the thermostat will shift the continuousblower airflow up one more increment. If you repeat this procedure enough, you will eventually shift the continuous-blower airflow to the lowest CF selection. (See Table 12 and Fig. 55). The selection can be changed as many times as desired and is stored in the memory to be automatically used following a power interruption.





























## End Of class for today! Have a fantastic day!