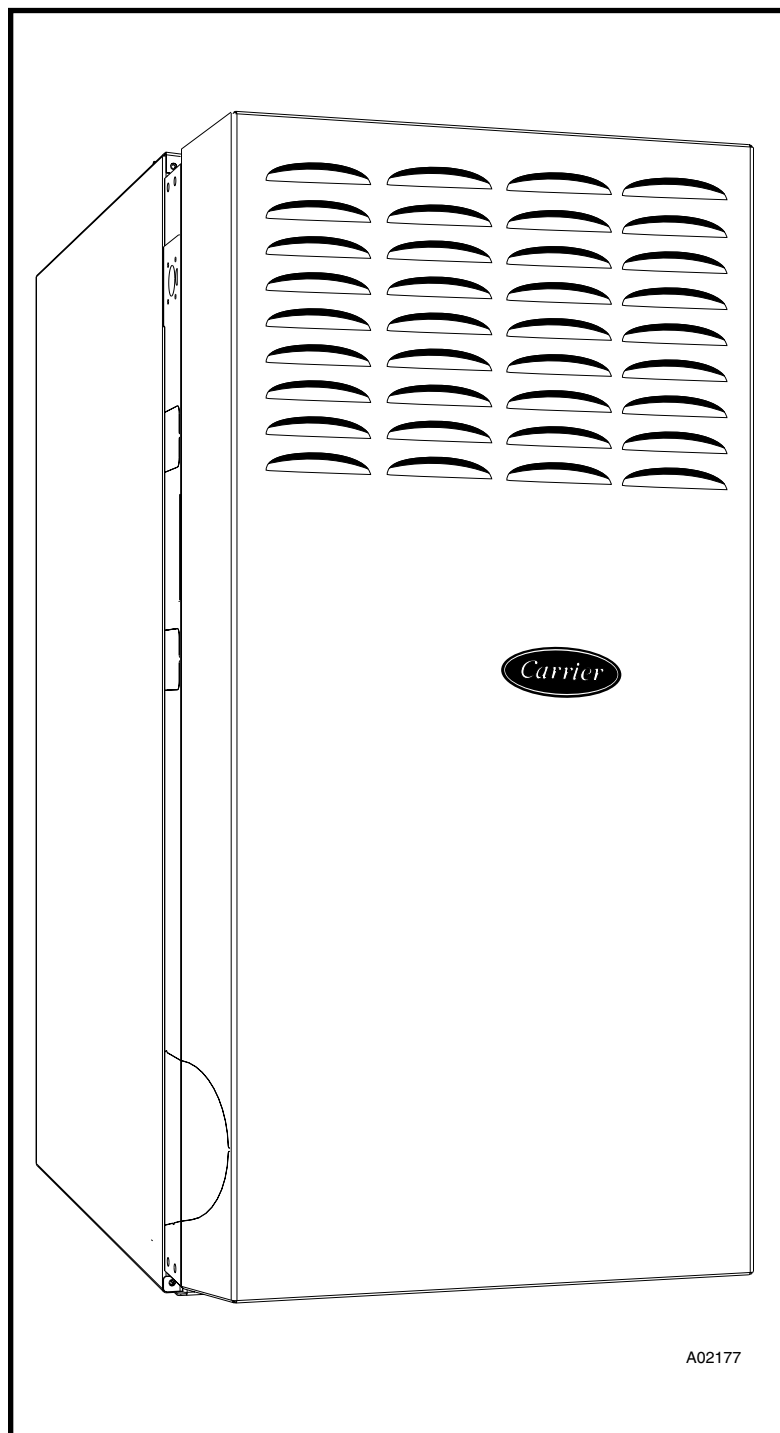




Product Data

58DLA/DLX Deluxe 4-Way Multipoise Induced-Combustion Furnace

Input Capacities:
45,000 thru 155,000 Btuh



A02177

THE CARRIER 58DLA/DLX GAS FURNACE

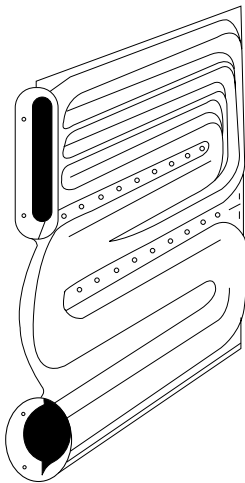
The 58DLA/DLX 4-way Multipoise Gas Furnaces offer deluxe features not found in other single-stage 80% gas furnaces. Carrier's QuieTech™ noise reduction system makes the WeatherMaker 8000 an incredibly quiet induced draft gas furnace. The exclusive Carrier Media Cabinet provides an economic way to add high performance air filtration to homes. The WeatherMaker 8000 control system provides a dehumidification mode, a third motor speed selection for continuous fan operation selectable at the thermostat, and fault code storage in the event of power outages. Applications are easy with 4-way multipoise design, through-the-furnace downflow venting, 13 different venting options, and a door designed for easy service access. An inner blower door is provided for tighter sealing in sensitive applications. The 58DLA/DLX furnaces are approved for use with natural or propane gas, and the 58DLX is approved for use in Low NOx Air Quality Management Districts.

STANDARD FEATURES

- **QuieTech noise reduction system**
- **Media Filter Cabinet Included**
- **Microprocessor based control center**
 - Dehumidification selection for summer-time cooling
 - Adjustable heating air temperature rise
 - Adjustable cooling airflow
- **Comfort Fan™**—Constant fan speed selectable from thermostat
- LED diagnostics and self test feature
- Stores fault codes during power outages
- **4-way Multipoise furnace, 13 vent applications**
- **Only 33-1/3" tall**
- **Inner blower door**
- **Hot surface ignition (HSI)**
- **Draft safeguard switch to ensure proper furnace venting**
- **Insulated blower compartment**
- **Heat pump compatible**
- **Residential installations eligible for consumer financing through the Retail Credit Program**

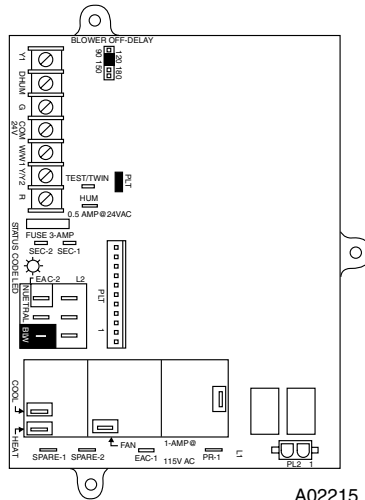
LIMITED WARRANTY

- 20-year warranty on "Super S™" heat exchanger
- 3-year warranty on microprocessor control and hot surface ignition
- 1-year parts warranty on all other components



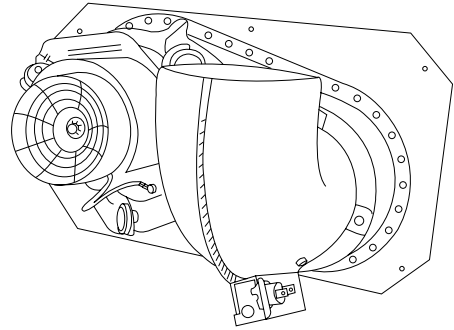
HEAT EXCHANGER

A02169



CONTROL BOARD

A02215



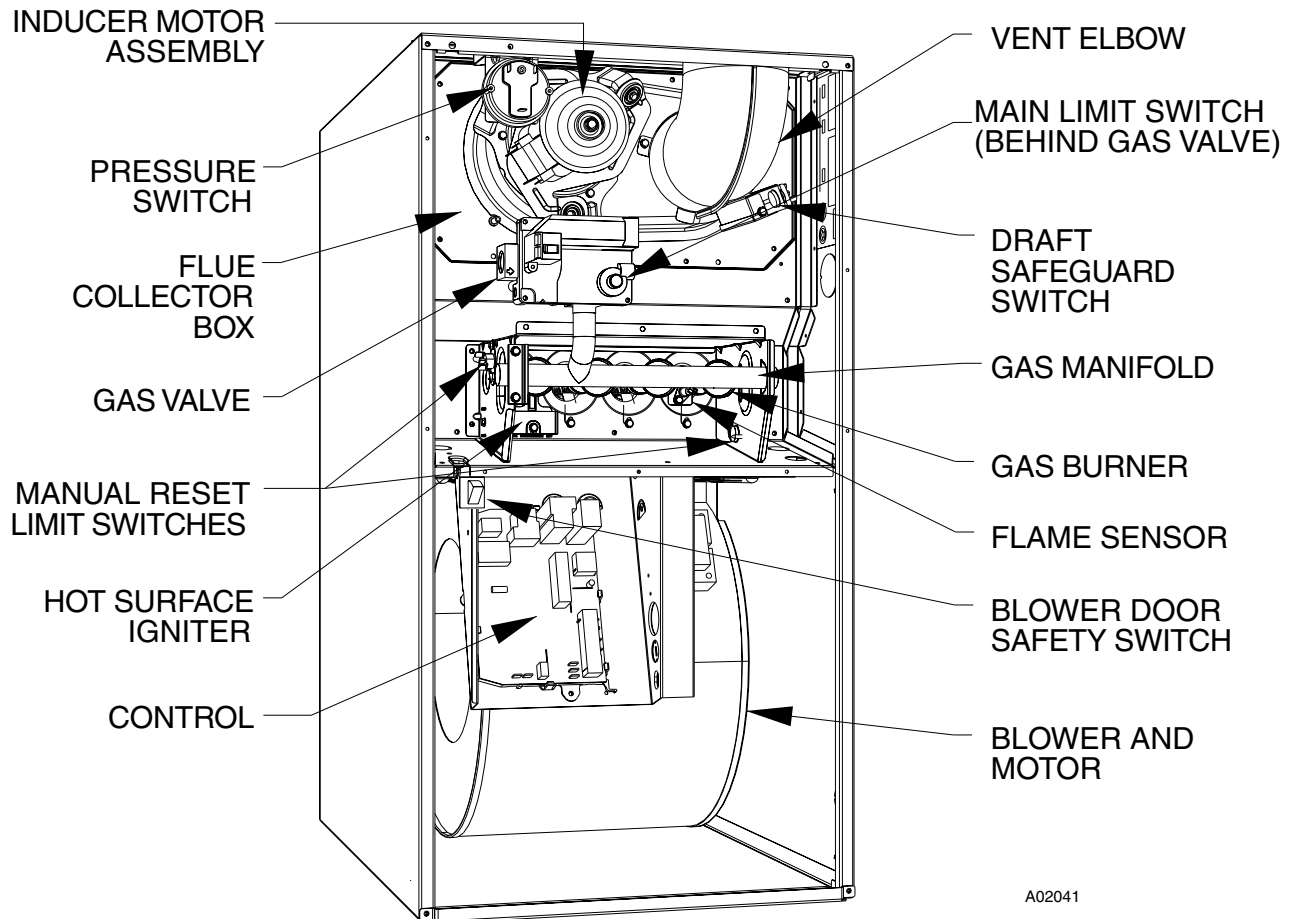
INDUCER BLOWER

A02170

Model number nomenclature

58DLA	045	100	08
58DLA Deluxe 4-Way Multipoise 58DLX low Nox version			
Input Capacity 045 — 44,000 Btuh 110 — 110,000 Btuh 070 — 66,000 Btuh 135 — 132,000 Btuh 090 — 88,000 Btuh 155 — 154,000 Btuh			Nominal Cooling Size (Airflow at .5 e.s.p.) (400 CFM per 12,000 Btuh) 08 — 800 CFM 12 — 1200 CFM 14 — 1400 CFM 16 — 1600 CFM 20 — 2000 CFM 22 — 2200 CFM
			Series Number

FURNACE COMPONENTS

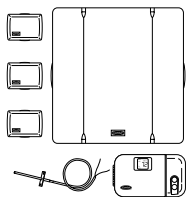


A02041

*Elbow may be turned to a different position, depending on type of installation

NOTE: The 58DLA/DLX Furnaces are for use with natural gas. These furnaces can be field-converted for propane gas with a factory-authorized and listed accessory conversion kit.

Carrier accessories*

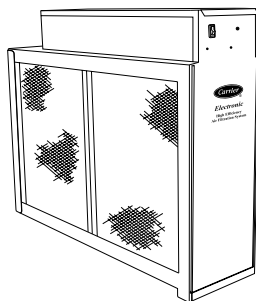


A97432

CONTROLS: THERMOSTATS AND ZONING

Available in programmable and non-programmable models, Carrier thermostats maintain a constant, comfortable temperature level in the home.

For the ultimate in home comfort, Carrier's 2, 4, and 8-zone systems allow temperature control of individual "zones" of the home. This is accomplished through a series of electronic dampers and remote room sensors. The 4-zone system is shown.

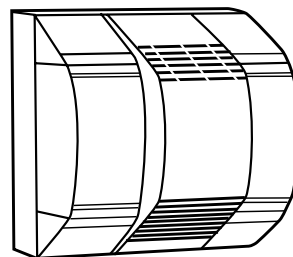


C02019

MECHANICAL OR ELECTRONIC AIR CLEANER

Cleans the air of smoke, dirt, and many pollens commonly found. Saves decorating and cleaning expenses by keeping carpets, furniture, and drapes cleaner.

Electronic air cleaner is shown.



A01484

MODEL HUMCCLFP HUMIDIFIER

By adding moisture to winter-dry air, a Carrier humidifier can often improve comfort and keep furniture, rugs, and draperies in better condition. Moisturizing household air also helps to retain normal body heat and provides comfort at lower temperatures.

Accessories	
ELECTRONIC AIR CLEANER (EAC)	Model EACA
MECHANICAL AIR CLEANER	Models EZXCAB, FILCAB
HUMIDIFIER	Model HUM
HEAT RECOVERY VENTILATOR	Model HRV
ENERGY RECOVERY VENTILATOR	Model ERV
THERMOSTAT - NON-PROGRAMMABLE	Auto Changeover, °F/°C, 1-Stage Heat/1-Stage Cool - TSTATCCNAC01-B Auto Changeover, °F/°C, 2-Stage Heat/1-Stage Cool - TSTATCCNHP01-B Auto Changeover, °F/°C, 2-Stage Heat/2-Stage Cool - TSTATCCN2S01-B in AC Mode, 3-Stage Heat/2-Stage Cool in HP Mode Air Conditioner, 1-Stage Heat/1-Stage Cool, Manual Changeover, °F/°C - TSTATCCBAC01
THERMOSTAT - PROGRAMMABLE	Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat/1-Stage Cool-TSTATCCPAC01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat/1-Stage Cool - TSTATCCPHP01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat/1-Stage Cool - TSTATCCP2S01-B in AC Mode, 3-Stage Heat/2-Stage Cool in HP Mode Dual Fuel Thermostat Includes Outdoor Air Temperature Sensor -TSTATCCPDF01-B Thermidistat Control - Non-Programmable/Programmable Thermostat -TSTATCCPRH01 -B with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications, includes Outdoor Air Temperature Sensor)
ZONING - 2 ZONE	ZONE CC2KIT01-B, ZONE KIT2ZCAR
ZONING - 4 ZONE	ZONECC4KIT01-B
ZONING - 8 ZONE	ZONECC8KIT01-B

Carrier Accessories*

DESCRIPTION	PART NO.	045-08	045-12	070-08	070-12	070-16	090-14	090-16	090-20	110-12	110-16	110-22	135-16	135-22	155-20
EZ Flex Media Filter with end caps – 16 in. (9 pack)	EXPXXUNV0016	X	X	X	X	X	X			X					
EZ Flex Media Filter with end caps – 20 in. (9 pack)	EXPXXUNV0020							X	X		X	X	X		
EZ Flex Media Filter with end caps – 24 in. (6 pack)	EXPXXUNV0024													X	X
Replacement EZ Flex Filter – 16 in. (10 pack)	EXPXXFIL0016	X	X	X	X	X	X			X					
Replacement EZ Flex Filter – 20 in. (10 pack)	EXPXXFIL0020							X	X		X	X	X		
Replacement EZ Flex Filter – 24 in. (10 pack)	EXPXXFIL0024													X	X
Exterior Filter Rack—universal, one inch (adjustable from 14" to 24") with filter	KGAFR0301ALL KGAFR0306ALL (6-pack)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Unframed filter, one inch – 16x25	KGAWF1301UFR KGAWF1306UFR (6-pack)	X	X	X	X	X	X	S	S	X	S	S	S	S	S
Unframed filter, one inch – 20x25	KGAWF1401UFR KGAWF1406UFR (6 pack)							X	X		X	X	X		
Unframed filter, one inch – 24x25	KGAWF1501UFR KGAWF1506UFR (6 pack)													X	X
Twinning Kit	KGATW0601HSI	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Combustible Floor Base (not required when evaporator coil case is used)	KGASB0201ALL	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Downflow Vent Guard (not required when vent is routed through cabinet)	KGAVG0101DFG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vent Extension Kit (may be used when vent is routed through cabinet in downflow)	KGAVE0101DNH	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chimney Adapter Kit - 4 inch vent	KGACA02014FC	X	X	X	X	X	X	X	X	X	X	X			
Chimney Adapter Kit - 5 inch vent	KGACA02015FC												X	X	X
Natural-to-Propane Gas Conversion Kit (Single Kit)*	KGANP2901ALL	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Propane-to-Natural Gas Conversion Kit (Single Kit)	KGAPN2301ALL	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Gas Orifice Kit (Qty 50) Size 42	KGAHA0150N42	See Installation Instructions for model, altitude, and heat value usages.													
Gas Orifice Kit (Qty 50) Size 43	KGAHA0250N43														
Gas Orifice Kit (Qty 50) Size 44	KGAHA0350N44														
Gas Orifice Kit (Qty 50) Size 45	KGAHA0450N45														
Gas Orifice Kit (Qty 50) Size 46	KGAHA0550N46														
Gas Orifice Kit (Qty 50) Size 47	KGAHA1550N47														
Gas Orifice Kit (Qty 50) Size 48	KGAHA1850N48														
Gas Orifice Kit (Qty 50) Size 54	KGAHA0850P54														
Gas Orifice Kit (Qty 50) Size 55	KGAHA0750P55														
Gas Orifice Kit (Qty 50) Size 56	KGAHA0850P56														
Gas Orifice Kit (Qty 50) 1.25 mm	KGAHA5750125														
Gas Orifice Kit (Qty 50) 1.30mm	KGAHA5750130														

* Factory-authorized and field installed. Gas conversion kits are A.G.A./C.G.A. recognized.
S 16 x 25 filters suitable for side return on all furnace sizes.

Physical data

UNIT SIZE		045		070		090		110			135		155
		08	12	08	12	14	16	12	16	22	16	22	20
OUTPUT CAPACITY BTUH* (Nonweatherized ICS) †	all 58DLA; 58DLX Upflow	35,000	36,000	53,000	54,000	71,000	71,000	89,000	89,000	89,000	107,000	107,000	125,000
	58DLX Downflow/ Horizontal	34,000	34,000	51,000	51,000	68,000	68,000	85,000	85,000	85,000	102,000	102,000	119,000
INPUT BTUH*	all 58DLA; 58DLX Upflow	44,000	44,000	56,000	66,000	88,000	88,000	110,000	110,000	110,000	132,000	132,000	154,000
	58DLX Downflow/ Horizontal	42,000	42,000	63,000	63,000	84,000	84,000	105,000	105,000	105,000	126,000	126,000	147,000
SHIPPING WEIGHT (Lb)		104	107	111	115	127	140	135	146	152	149	163	170
CERTIFIED TEMP RISE RANGE (°F)		30–60	20–50	40–70	30–60	40–70	30–60	50–80	40–70	30–60	50–80	40–70	45–75
CERTIFIED EXT STATIC PRESSURE	Heating	0.10	0.10	0.12	0.12	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20
	Cooling	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.5	0.5	0.5
AIRFLOW CFM‡	Heating	920	1250	830	1195	1375	1505	1335	1515	1900	1525	1850	1790
	Cooling	845	1160	900	1200	1385	1720	1355	1680	2220	1710	2110	2230
AFUE%*	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
LIMIT CONTROL		SPST											
HEATING BLOWER CONTROL		Solid-State Time Operation											
BURNERS (Monoport)		2	2	3	3	4	4	5	5	5	6	6	7
GAS CONNECTION SIZE		1/2-in. NPT											
GAS VALVE (Redundant) Manufacturer		White-Rodgers											
Minimum Inlet Pressure (In. wc)		4.5 (Natural Gas)											
Maximum Inlet Pressure (In. wc)		13.6 (Natural Gas)											
IGNITION DEVICE		Hot Surface											

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 to 4500 ft above sea level.

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

‡ Airflow shown is for bottom only return-air supply. For air delivery above 1800 CFM, see Air Delivery Table for other options. A filter is required for each return-air supply.

ICS — Isolated Combustion System

Blower performance data

UNIT SIZE		045		070		090		110			135		155
		08	12	08	12	14	16	12	16	20	16	20	20
DIRECT-DRIVE MOTOR Hp (PSC)		1/5	1/3	1/5	1/3	1/3	1/2	1/3	1/2	3/4	1/2	3/4	3/4
MOTOR FULL LOAD AMPS		2.9	5.2	2.9	5.2	5.2	7.9	5.2	7.9	11.1	7.9	11.1	11.1
RPM (Nominal) – Speeds		1075-3	1075-4	1075-3	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4
BLOWER WHEEL DIAMETER × WIDTHS (In.)		10 x 6	10 x 6	10 x 6	10 x 6	10 x 8	10 x 10	10 x 8	10 x 10	11 x 11	10 x 10	11 x 11	11 x 11

PSC-Permanent Split Capacitor

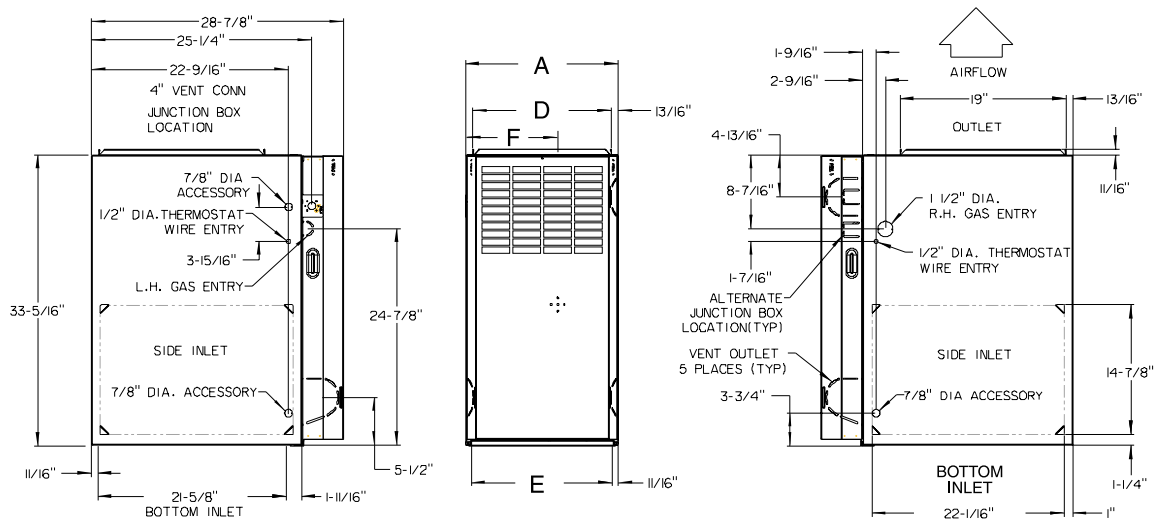
AIR DELIVERY—CFM (With Filter)*

UNIT SIZE	RETURN-AIR SUPPLY	SPEED	EXTERNAL STATIC PRESSURE (In. wc)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
045-08	Bottom or 1 Side(s)	High	1085	1035	975	915	845	770	675	565	390	195
		Med-High	920	875	830	770	710	640	555	440	250	—
		Med-Low	820	775	730	680	620	555	470	360	190	—
045-12	Bottom or 1 Side(s) Low	High	1440	1375	1305	1240	1160	1070	975	870	730	560
		Med-High	1360	1300	1240	1175	1115	1040	950	850	725	575
		Med-Low	1250	1210	1160	1100	1040	965	885	790	670	520
070-08	Bottom or 1 Side(s)	High	1030	1010	980	945	900	845	775	680	490	335
		Med-High	835	815	790	760	720	675	610	490	375	265
		Med-Low	725	700	675	645	600	555	475	390	300	—
070-12	Bottom or 1 Side(s)	High	1425	1375	1320	1265	1200	1125	1035	940	830	655
		Med-High	1320	1280	1240	1205	1140	1075	995	905	790	620
		Med-Low	1200	1175	1145	1105	1050	990	920	840	725	555
090-14	Bottom or 1 Side(s)	High	1650	1600	1535	1465	1385	1285	1175	1055	895	645
		Med-High	1515	1485	1440	1380	1300	1220	1115	990	830	600
		Med-Low	1385	1360	1320	1260	1195	1120	1025	915	710	565
090-16	Bottom or 1 Side(s)	High	2060	1985	1915	1820	1720	1610	1490	1340	1135	925
		Med-High	1790	1765	1715	1645	1560	1470	1345	1195	1010	820
		Med-Low	1505	1505	1480	1440	1375	1300	1190	1045	890	740
110-12	Bottom or 1 Side(s)	High	2625	2575	2525	2475	2425	2375	2325	2275	2225	2175
		Med-High	2510	2470	2435	2400	2365	2330	2295	2260	2225	2190
		Med-Low	2360	2335	2305	2275	2245	2215	2185	2155	2125	2095
110-16	Bottom or 1 Side(s)	High	2035	1965	1880	1790	1680	1495	1365	1215	1075	875
		Med-High	1745	1710	1650	1560	1450	1340	1205	1090	955	750
		Med-Low	1530	1515	1470	1400	1310	1215	1095	990	830	670
110-22	Bottom Only	High	2530	2470	2400	2320	2220	2115	2000	1865	1730	1590
		Med-High	2230	2205	2165	2110	2035	1950	1855	1740	1615	1485
		Med-Low	1920	1900	1880	1845	1795	1730	1650	1555	1460	1340
135-16	Bottom or 1 Side(s)	High	2090	2010	1930	1835	1710	1590	1470	1335	1025	835
		Med-High	1790	1755	1705	1640	1550	1465	1360	1210	945	785
		Med-Low	1545	1525	1500	1450	1380	1315	1215	1005	855	670
135-22	Bottom Only	High	2485	2400	2310	2215	2110	2000	1880	1725	1535	1355
		Med-High	2195	2150	2090	2000	1920	1825	1720	1565	1405	1255
		Med-Low	1880	1850	1820	1780	1715	1635	1540	1415	1290	1160
155-20	Bottom Only	High	2465	2430	2375	2305	2230	2110	2000	1865	1725	1545
		Med-High	2115	2105	2075	2030	1980	1910	1830	1725	1590	1425
		Med-Low	1800	1790	1770	1735	1695	1640	1570	1465	1345	1225
155-20	Both Sides or 1 Side & Bottom	High	1570	1565	1551	1525	1495	1445	1370	1270	1175	1070
		Med-High	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
		Med-Low	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.

*A filter is required for each return-air supply. Airflow performance includes 1" washable filter media such as contained in factory-authorized accessory filter rack. To determine airflow performance without this filter, assume an additional .1 available external static pressure.

-Indicates unstable operating conditions.

Dimensions



A02021

- NOTES:
- Two additional 7/8-in. dia. knockouts are located in the top plate.
 - Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
 - Minimum return-air opening at furnace.
 - For 800 CFM-16-in. round or 14-1/2 x 12-in. rectangle.
 - For 1200 CFM-20-in. round or 14-1/2 x 19-1/3 in. rectangle.
 - For 1600 CFM-22-in. round or 14-1/2 x 23-1/4-in. rectangle.
 - For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

58STA/STX UNIT SIZE	A (CABINET WIDTH)	D (SUPPLY WIDTH)	E (BOTTOM RETURN WIDTH)	F (TOP VENT OUTLET)	VENT CONNECTION SIZE (see notes 1 & 2)
045-08	14-3/16	12-9/16	12-11/16	9-5/16	4
045-12	14-3/16	12-9/16	12-11/16	9-5/16	4
070-08	14-3/16	12-9/16	12-11/16	9-5/16	4
070-12	14-3/16	12-9/16	12-11/16	9-5/16	4
070-16	17-1/2	15-7/8	16-1/8	11-9/16	4
090-14	17-1/2	15-7/8	16-1/8	11-9/16	4
090-16	21	19-3/8	19-1/2	13-5/16	4
090-20	21	19-3/8	19-1/2	13-5/16	4
110-12	17-1/2	15-7/8	16-1/8	11-9/16	4
110-16	21	19-3/8	19-1/2	13-5/16	4
110-22	21	19-3/8	19-1/2	13-5/16	4
135-16	21	19-3/8	19-1/2	13-5/16	4 (note 1)
135-22	24-1/2	22-7/8	23	15-1/16	4 (note 1)
155-20	24-1/2	22-7/8	23	15-1/16	4 (note 1)

1) 135 and 155 size furnaces require five-inch vents. Use a 4-5 inch vent adapter between furnace and vent stack.

2) See Installation Instructions for complete installation requirements.

INSTALLATION

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION DISTANCE MINIMALE EN POUCES AUX CONSTRUCTIONS COMBUSTIBLES

This forced air furnace is equipped for use with natural gas at altitudes 0-10,000 ft (0-3,050m).

An accessory kit, supplied by the manufacturer, shall be used to convert to propane gas use or may be required for some natural gas applications.

This furnace is for indoor installation in a building constructed on site.

This furnace may be installed on combustible flooring in alcove or closet at minimum clearance as indicated by the diagram from combustible material.

This furnace may be used with a Type B-1 Vent and may be vented in common with other gas-fired appliances.

Cette fournaise à air pulsé est équipée pour utilisation avec gaz naturel et altitudes comprises entre 0-3,050m (0-10,000 pi).

Utiliser une trousse de conversion, fournie par le fabricant, pour passer au gaz propane ou pour certaines installations au gaz naturel.

Cette fournaise est prévue pour être installée dans un bâtiment construit sur place.

Cette fournaise peut être installée sur un plancher combustible dans une alcôve ou dans un garde-robe en respectant le minimum d'espace libre des matériaux combustibles, tel qu'indiqué sur le diagramme.

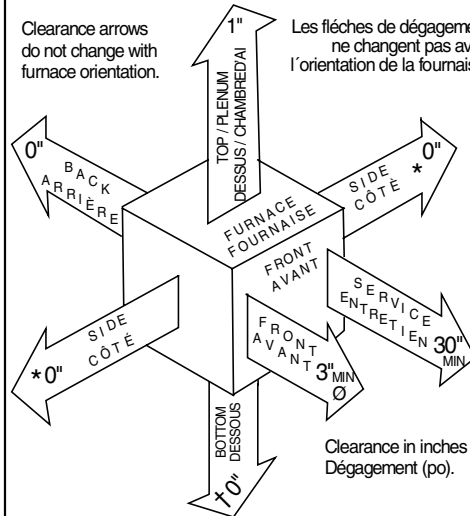
Cette fournaise peut être utilisée avec un conduit d'évacuation de Type B-1 ou connectée au conduit commun d'autres appareils à gaz.

This furnace is approved for UPFLOW, DOWNFLOW, and HORIZONTAL installations.

Cette fournaise est approuvée pour l'installation HORIZONTALE et la circulation d'air VERS LE HAUT et VERS LE BAS.

Clearance arrows do not change with furnace orientation.

Les flèches de dégagement ne changent pas avec l'orientation de la fournaise.



Clearance in inches
Dégagement (po).

Vent Clearance to combustibles:

For Single Wall vents 6 inches (6 po).

For Type B-1 vent type 1 inch (1 po).

Dégagement de l'évent avec combustibles:

Pour conduit d'évacuation à paroi simple 6 po (6 inches).

Pour conduit d'évacuation de Type B-1 1 po (1 inch).

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION

† DOWNFLOW POSITIONS:

Installation on non-combustible floors only.

For Installation on combustible flooring only when installed on special base, Part No. KGASB0201ALL,

Ø Coil Assembly, Part No. CD5 or CK5, or Coil Casing, Part No. KCAKC.

18 inches front clearance required for alcove.

* Indicates supply or return sides when furnace is in the horizontal position. Line contact only permissible between lines formed by intersections of the Top and two Sides of the furnace jacket, and building joists, studs or framing.

DÉGAGEMENT MINIMUM EN POUCES AVEC ÉLÉMENTS DE CONSTRUCTION COMBUSTIBLES

† POUR LA POSITION COURANT DESCENDANT:

Pour l'installation sur plancher non combustible seulement.

Pour l'installation sur un plancher combustible seulement quand on utilise la base spéciale, pièce n° . KGASB0201ALL,

l'ensemble serpentin, pièce n° CD5 ou CK5, ou le carter de serpentin, pièce n° KCAKC.

Ø Dans une alcôve, on doit maintenir un dégagement à l'avant de 18 po (450 mm).

* La position indiquée concerne le côté d'entrée ou de retour quand la fournaise est dans la position horizontale.

Le contact n'est permis qu'entre les lignes formées par les intersections du dessus et des deux côtés de la chemise de la fournaise et les solives, montant sous cadre de charpente.

327590-101 REV. A



MEETS DOE RESIDENTIAL
CONSERVATION SERVICES
PROGRAM STANDARDS.

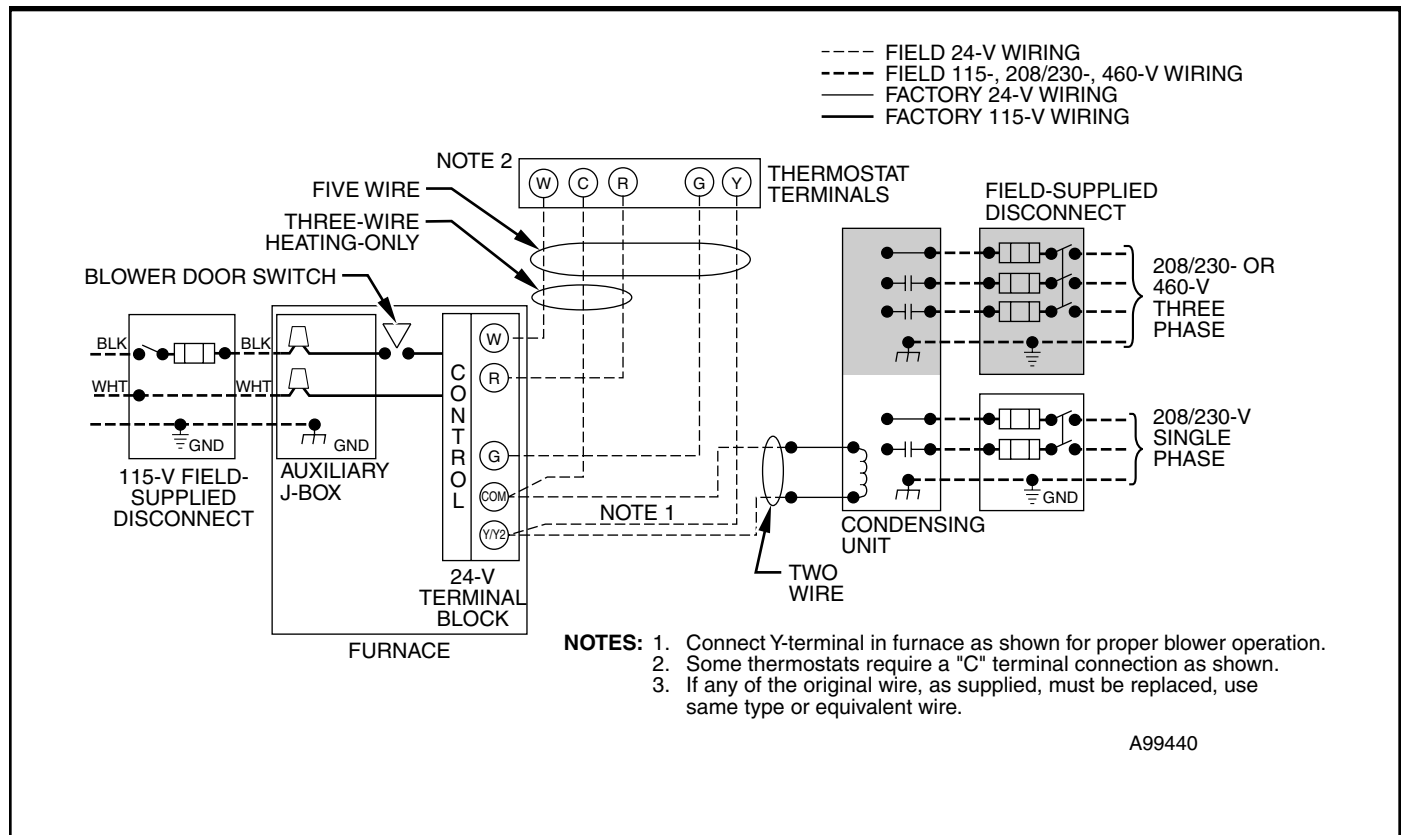


REGISTERED QUALITY SYSTEM



Before purchasing this appliance, read
important energy cost and efficiency
information available from your retailer.

Typical wiring schematic



Electrical data

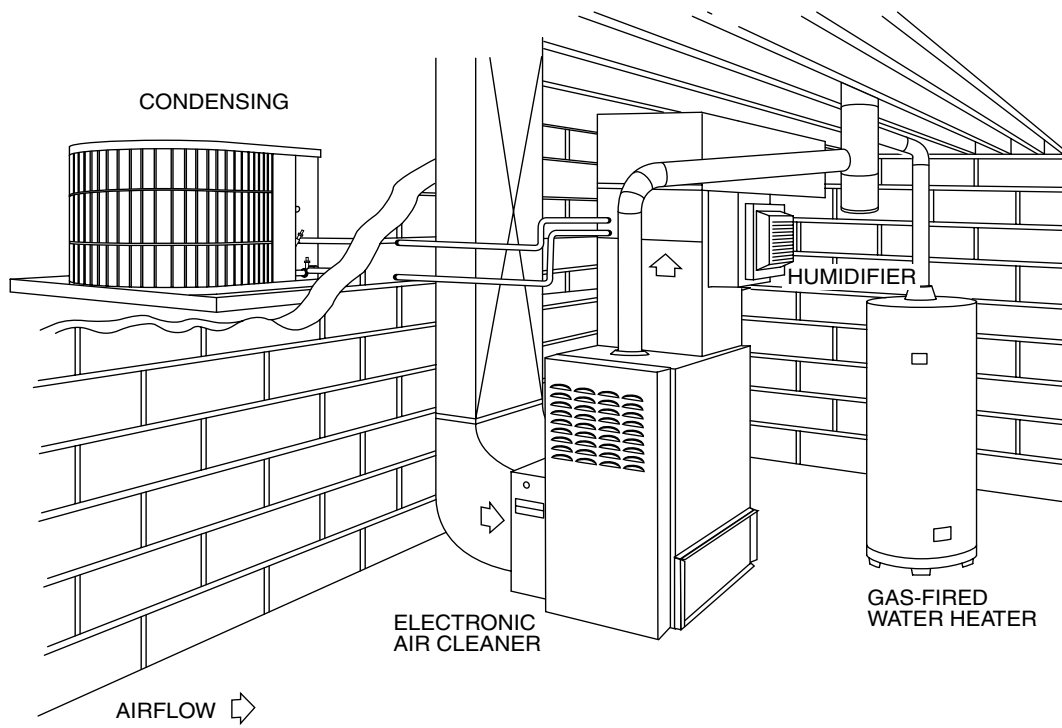
UNIT SIZE	VOLTS HERTZ-PHASE	OPERATING VOLTAGE RANGE		MAXIMUM UNIT AMPS	MAXIMUM WIRE LENGTH (FT)‡	MAXIMUM FUSE OR CKT BKR AMPS†	MINIMUM WIRE GAGE
		Maximum*	Minimum*				
045-08	115-60-1	127	104	5.6	47	15	14
045-12	115-60-1	127	104	7.0	39	15	14
070-08	115-60-1	127	104	5.0	52	15	14
070-12	115-60-1	127	104	6.7	40	15	14
070-16‡	115-60-1	127	104	9.8	28	15	14
090-14	115-60-1	127	104	8.1	34	15	14
090-16	115-60-1	127	104	9.8	28	15	14
090-20‡	115-60-1	127	104	12.9	34	20	12
110-12	115-60-1	127	104	8.2	34	15	14
110-16	115-60-1	127	104	10.1	28	15	14
110-22	115-60-1	127	104	13.7	32	20	12
135-16	115-60-1	127	104	10.1	28	15	14
135-22	115-60-1	127	104	14.4	30	20	12
155-20	115-60-1	127	104	15.0	29	20	12

* Permissible limits of the voltage range at which unit operates satisfactorily.

Time-delay type is recommended.

† Length shown is as measured 1 way along wire path between unit and service panel for maximum 2 percent voltage drop.

‡ Preliminary



A02184



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7-02

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

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