



Gas Furnaces CG92

PRODUCT SPECIFICATIONS

INSTALLATION OPTIONS

- Available in Upflow/Horizontal and Counterflow models

HEAT EXCHANGER

- Aluminized steel tapered design primary heat exchanger with crimped construction for long life
- Stainless steel secondary heat exchanger

BURNERS

- Aluminized steel inshot burners for smooth combustion

CABINET CONSTRUCTION

- Unitized construction for cabinet integrity
- CG92 models have a solid base cabinet design. CG90 models have an open base cabinet design
- Baked on pre-painted steel cabinet finish
- Left or right side gas and electric entry

BLOWER

- Easily removable slide-out blower design
- PSC multi-speed permanently lubricated blower motor for low maintenance and optimum efficiency

CONTROLS

- Single stage gas valve
- Integrated ignition and fan control board features self diagnostics
- Hot surface ignitor

VENTING

- One or two pipe venting ready

90% - 92% AFUE
45,000 to 125,000 Btuh Input
1.5 to 5 Tons Add-On Cooling



Upflow /
Horizontal



Counterflow



Proper sizing and installation of equipment is critical to achieve optimal performance.

Ask your contractor for details or visit www.energystar.gov

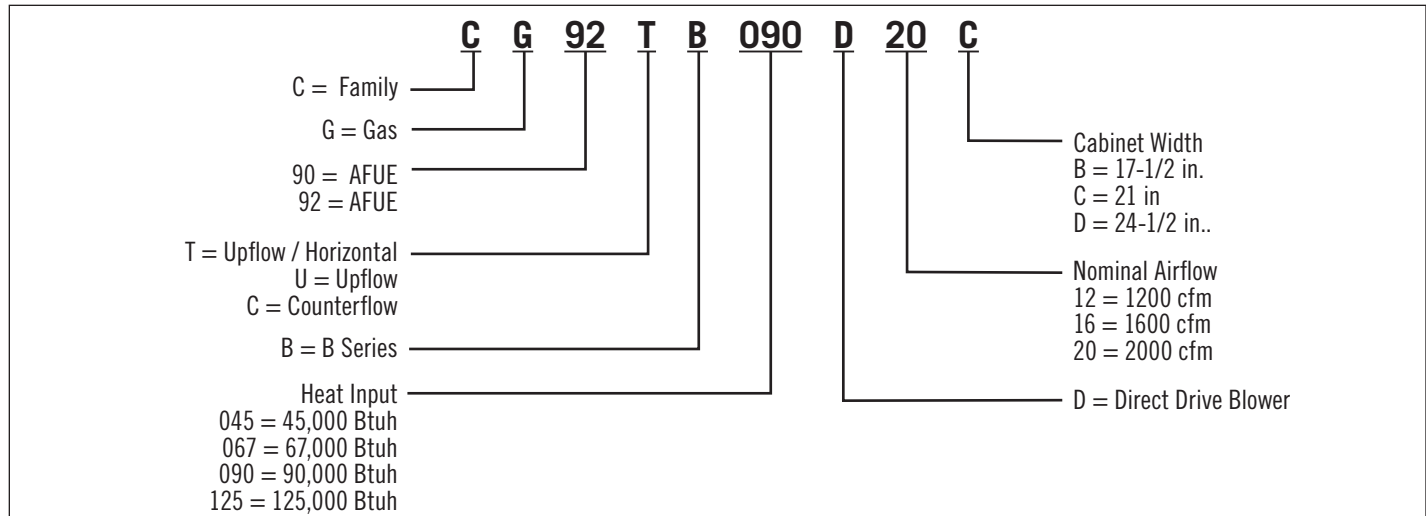
Warranty

Heat Exchanger - 20 Year Limited
Parts - 5 Year Limited

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Model Number Identification



Specifications

Model No.	CG92TB045D12B	CG92TB067D12B	CG92TB090D20C	CG90UB125D20D	CG90CB045D12B	CG90CB067D12B	CG90CB090D16C
	Upflow / Horiz.	Upflow / Horiz.	Upflow / Horiz.	Upflow	Counterflow	Counterflow	Counterflow
Input Btuh	45,000	67,500	90,000	125,000	45,000	67,500	90,000
Output Btuh	41,000	62,000	83,000	112,500	40,000	60,000	81,000
AFUE (Isolated Comb. System)	92.1%	92.1%	92.1%	90%	90%	90%	90%
Temperature Rise (°F)	40 - 70	45 - 75	45 - 75	45 - 75	35 - 65	45 - 65	35 - 65
Gas Pipe Size (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Inlet/Vent Connection - in. (Dia.)	2	2	2	2	2	2	2
Volts/Hertz/Phase	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1
Blower Motor Horsepower	1/3	1/3	0.9	0.9	1/3	1/3	3/4
Add-On Cooling (tons)	1.5 - 3	1.5 - 3	3 - 5	3 - 5	1.5 - 3	1.5 - 3	2.5 - 4
Circuit Breaker or Fuse	15	15	15	15	15	15	15
Full Load Amps	5.4	6.1	10.4	8.8	5.9	5.9	6.9
Blower Wheel Size (Dia. x Width)	10 x 8	10 x 8	12 x 10	12 x 10	10 x 8	10 x 8	12 x 10
Shipping Weight (lbs.)	160	185	205	215	150	180	190

Filter Requirements

¹ Maximum Airflow cfm	Disposable Filters			² Permanent (Cleanable) Filters		
	³ Minimum Area - sq. in.	³ Size - in.	Quantity	³ Minimum Area in ²	³ Size - in.	Quantity
1200	576	16 x 20	2	288	16 x 20	1
1600	768	20 x 20	2	384	20 x 20	1
2000	960	20 x 25	2	480	20 x 25	1

Notes:

¹ The Airflow Descriptor is the two digits following the "D" in the model number; e.g. "20" is the Airflow Descriptor for CG92TB090D20C (2000 cfm).

² Areas and dimensions shown for cleanable filters are based on filters rated at 600 feet per minute face velocity.

³ Typical filter sizes are shown, however, any combination of filters whose area equals or exceeds the minimum area shown is acceptable.

Note: Two filters are required for airflow exceeding 1600 cfm.

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Blower Data

Model No.	Blower Speed	¹ CFM @ External Static Pressure - in w.c. With Filter(s)							
		.20	.30	.40	.50	.60	.70	.80	.90
CG92TB045D12B (Upflow / Horizontal)	High	1355	1305	1255	1200	1120	1060	980	880
	Med/High	1085	1075	1045	1010	965	915	840	750
	Med	865	855	840	815	780	740	680	605
	Low	740	730	720	680	665	620	575	500
CG92TB067D12B (Upflow / Horizontal)	High	1390	1335	1270	1205	1140	1065	950	860
	Med/High	1230	1175	1135	1080	1010	930	840	720
	Med	1010	985	955	910	870	805	720	585
	Low	870	845	835	800	760	690	600	495
CG92TB090D20C (Upflow / Horizontal)	High	2135	2080	2025	1930	1855	1780	1680	1.620
	Med/High	1975	1930	1900	1830	1765	1670	1570	1520
	Med	1875	1845	1795	1725	1685	1585	1575	1435
	Med/Low	1765	1740	1715	1655	1580	1520	1410	1340
	Low	1635	1585	1555	1505	1460	1385	1310	1250
CG90UB125D20D (Upflow)	High	2185	1120	2045	1980	1890	1745	1685	1625
	Med/High	2035	1960	1895	1845	1785	1705	1610	1550
	Med	1870	1840	1800	1740	1655	1615	1535	1420
	Med/Low	1725	1685	1642	1615	1565	1485	1385	1340
	Low	1590	1550	1530	1475	1445	1365	1280	1205
CG90CB045D12B (Counterflow)	High	1340	1285	1235	1170	1100	1025	925	820
	Med/High	1085	1055	1030	980	930	870	805	710
	Med	865	845	815	800	755	710	645	550
	Low	735	710	685	655	625	570	505	410
CG90CB067D12B (Counterflow)	High	1360	1300	1230	1165	1080	1005	945	860
	Med/High	1270	1210	1155	1085	1020	955	900	825
	Med	1065	1030	990	945	890	840	770	680
	Low	895	875	845	815	795	740	690	600
CG90CB090D16C (Counterflow)	High	2040	1965	1895	1815	1735	1650	1540	1450
	Med/High	1800	1750	1700	1625	1555	1475	1395	1305
	Med	1600	1570	1535	1460	1400	1355	1285	1205
	Med/Low	1335	1310	1270	1220	1180	1140	1095	1025
	Low	1045	1020	985	955	910	870	805	735

Notes:

¹ Maximum approved external static pressure is 0.50 in. w.c.

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Vent Length Specifications - Maximum

Model No.	Pipe Size Diameter (in.)		
	2	2-1/2	3
CG92TB045D12B, CG90CB045D12B	60 ft.	90 ft.	90 ft.
CG92TB067D12B, CG92CB067D12B	60 ft.	90 ft.	90 ft.
CG92TB090D20C, CG90CB090D16C	40 ft.	60 ft.	90 ft.
CG90UB125D20D	NR	50 ft.	60 ft.

Notes:

Allowance for vent and air intake terminals included in lengths shown.

One 90° elbow equals 5 ft. of pipe. Preferred fittings are DWV (Drain, Waste, Vent) or long sweep.

Minimum length 5 ft. and 1 elbow not including the vent and air intake terminals.

2" diameter not recommended for altitudes above 4000 ft.

3" diameter required for altitudes above 5000 ft.

Clearance to Combustibles (in.)

Top	Right Side	Left Side	Front	Back	Vent
1	2	2	¹ 2	0	0

Notes:

¹ 18 in. front horizontal installations.

Accessories

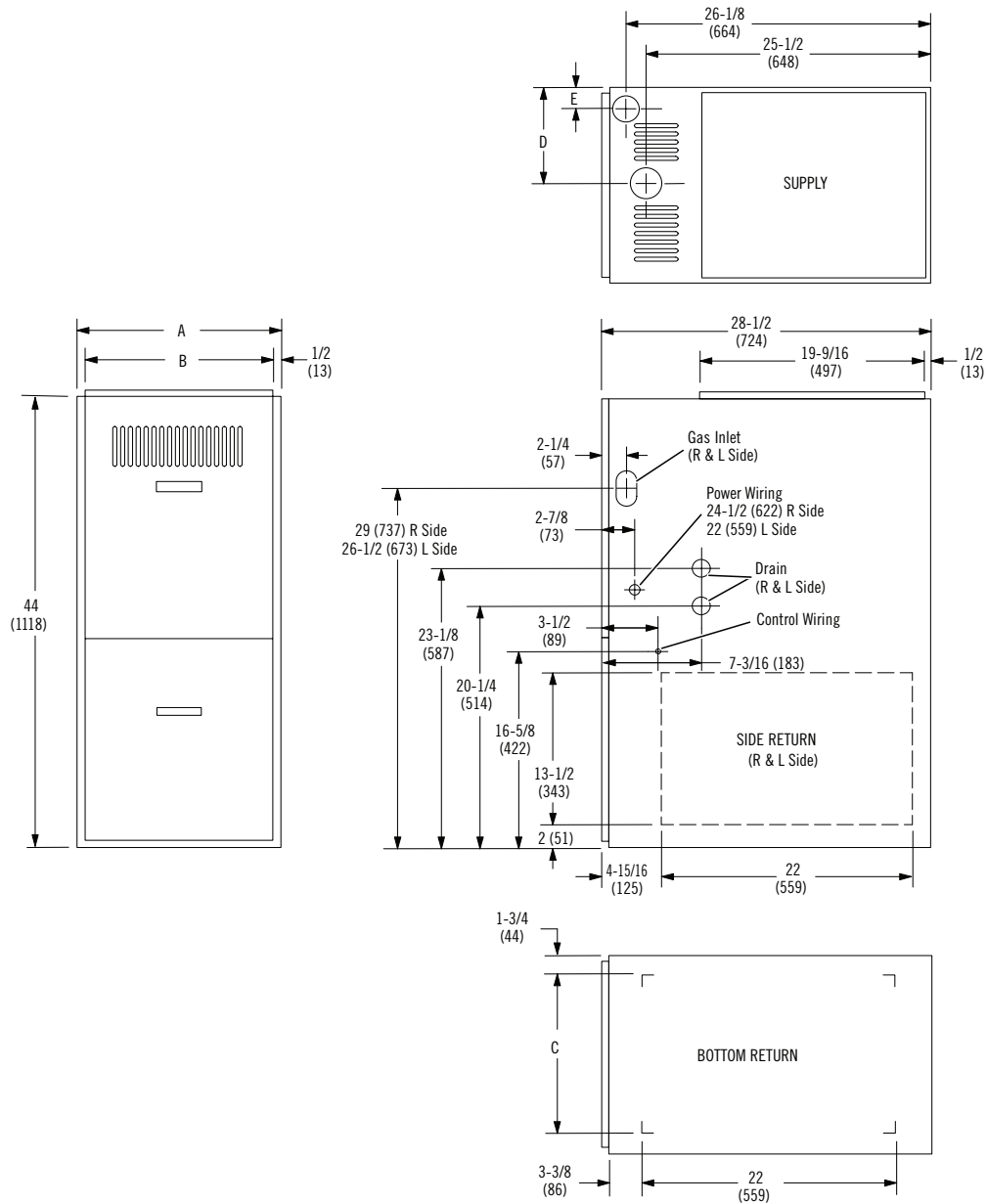
Model No.	CG92TB045D12B	CG92TB067D12B	CG92TB090D20C	CG90UB125D20D	CG90CB045D12B	CG90CB067D12B	CG90CB090D16C
Combustible Floor Base	---	---	---	---	1.841015	1.841015	1.841035
Concentric Vent Kit - 2 in.	71M80	71M80	71M80	71M80	71M80	71M80	71M80
Concentric Vent Kit - 3 in.	60L46	60L46	60L46	60L46	60L46	60L46	60L46
¹ Horizontal Drain Kit	54W94	54W94	54W94	---	---	---	---
Natural to LP Gas Conversion Kit	53W15	53W15	53W15	52W13	52W13	52W13	52W13
Twinning Kit	1.841136	1.841136	1.841136	1.841136	1.841136	1.841136	1.841136

¹ For Canada only (UL636 compliant). Replaces existing drain furnished with unit (for horizontal applications only).

NOTE - Horizontal Drain Kit is furnished as standard with all "TB" models for the US.

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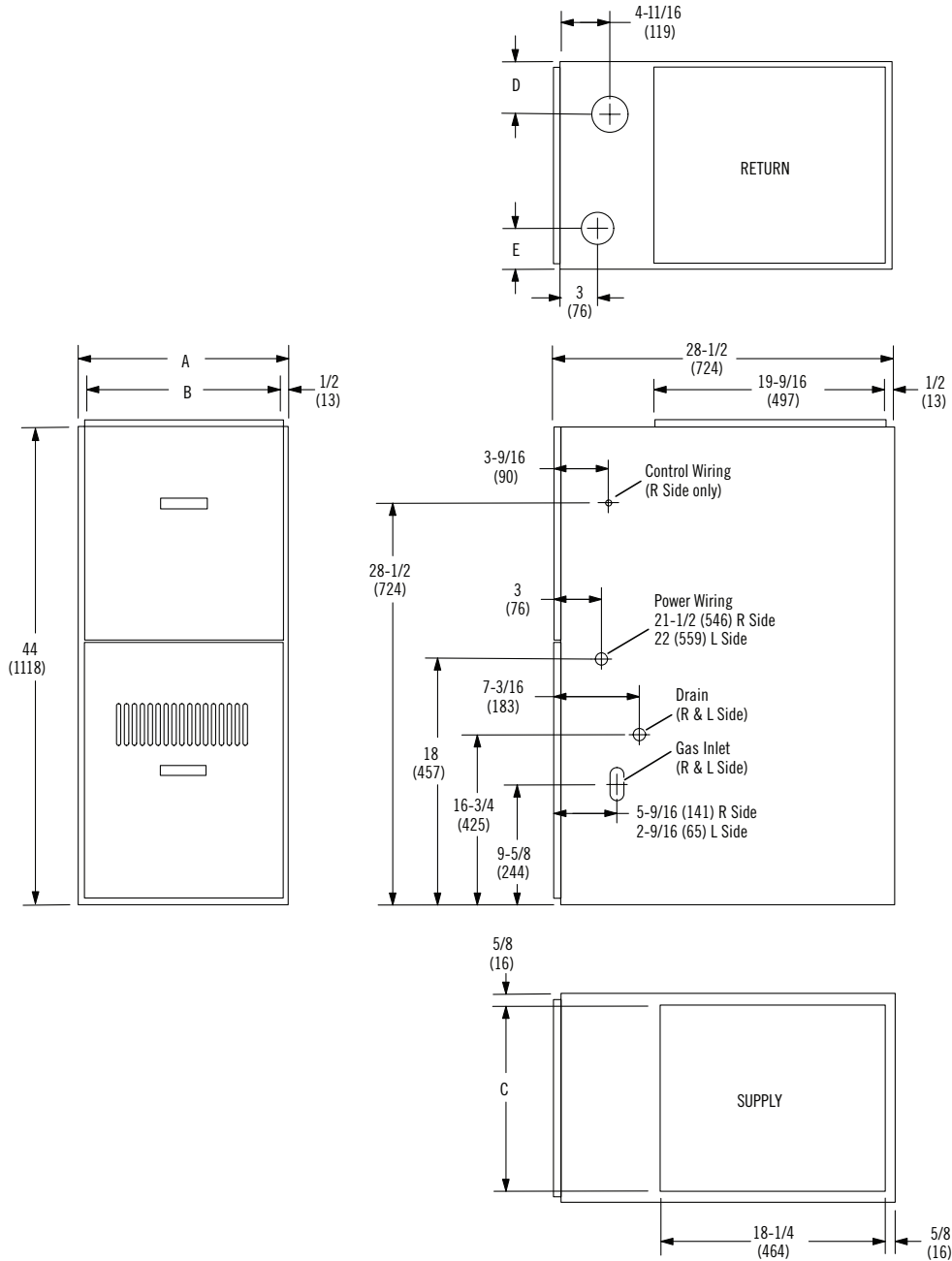
Dimensions - inches (mm) Upflow / Horizontal



Model No.	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CG92TB045D12B (Upflow / Horizontal)	17-1/2	445	16-1/2	419	14	356	10-1/8	257	2	51
CG92TB067D12B (Upflow / Horizontal)	17-1/2	445	16-1/2	419	14	356	11-3/4	298	2	51
CG92TB090D20C (Upflow / Horizontal)	21	533	20	508	17-1/2	445	15	381	2	51
CG90UB125D20D (Upflow)	24-1/2	622	23-1/2	597	21	533	18-1/4	438	2-5/8	67

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Dimensions - in. (mm) Counterflow



Model No.	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CG90CB045D12B CG90CB067D12B (Counterflow)	17-1/2	445	16-1/2	419	16-1/4	413	3-11/16	94	4-1/2	114
CG90CB090D16C (Counterflow)	21	533	20	508	19-3/4	502	5-11/16	144	6-1/4	159



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