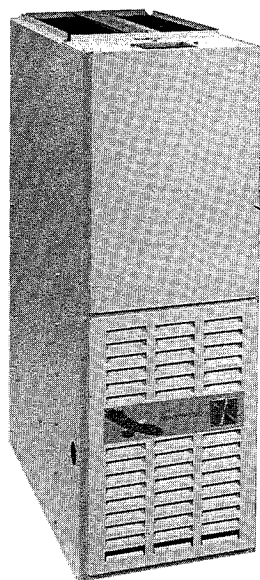


bryant**Bryant**
Air ConditioningIndianapolis, IN
City of Industry, CAHIGH-EFFICIENCY
DOWNFLOW/HORIZONTAL
INDUCED-COMBUSTION FURNACE**Model**
376C
Sizes 040
thru 110**PRELIMINARY PRODUCT DATA****NOTE:** Use the information in this publication
for preliminary reference only.**DOWNFLOW**

A88316

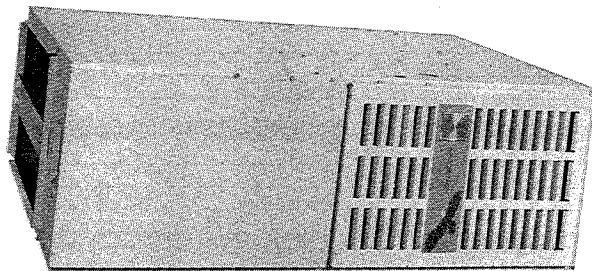
*Bryant/Payne/D/W**98 - 150 31 / 50 403*
*88 2 712***FEATURES**

- Capacities available are 40,000 thru 110,000 Btuh heating output with 80.0% AFUE* for economical fuel usage.
- All units have a California Seasonal Efficiency Rating of 74% and up.
- Hot surface ignition eliminates pilot to enhance fuel economy and provides reliable long life ignition.
- 40-inches tall to fit those tight applications with high-efficiency coils and is ideal for replacement applications.
- 20-year Limited Warranty on heat exchangers, plus 3-year Limited Warranty on the control board.
- Monoport burners are finely tuned to provide whisper quiet economical gas usage.
- Low NO_x burners meet South Coast Air Quality District and Bay Area Air Quality District NO_x requirements.
- New venting requirements and information for improved reliability (See installation instructions.)

*Tentative

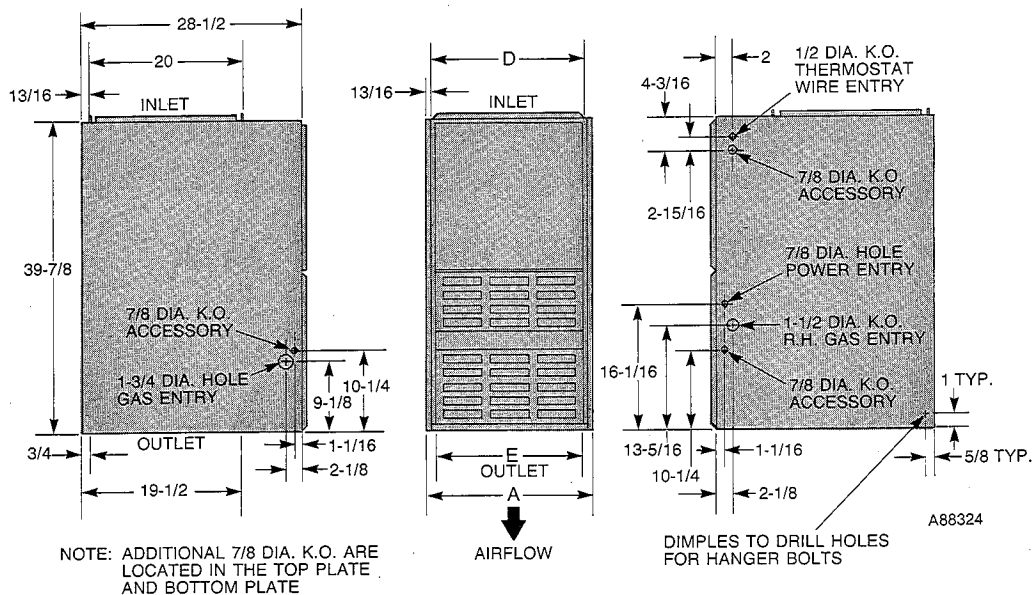
**FOR IMPROVED RELIABILITY
AND PERFORMANCE**

- Properly size furnace
- Set proper rate
- Set proper temperature rise
- Vent with new tables (See installation instructions.)

**HORIZONTAL**

A88317

**FILE
COPY**



DIMENSIONS (In Inches)

Size	A	D	E	Vent Conn	Ship. Wt
024040	14-3/16	12-9/16	12-11/16	4	124
036040	14-3/16	12-9/16	12-11/16	4	127
024055	14-3/16	12-9/16	12-11/16	4	141
036055	14-3/16	12-9/16	12-11/16	4	145
036075	17-1/2	15-7/8	16	4	154
048075	17-1/2	15-7/8	16	4	154
048095	17-1/2	15-7/8	16	4	171
060095	21	19-3/8	19-1/2	4	181
060110	24-1/2	22-7/8	23	5	192

SPECIFICATIONS

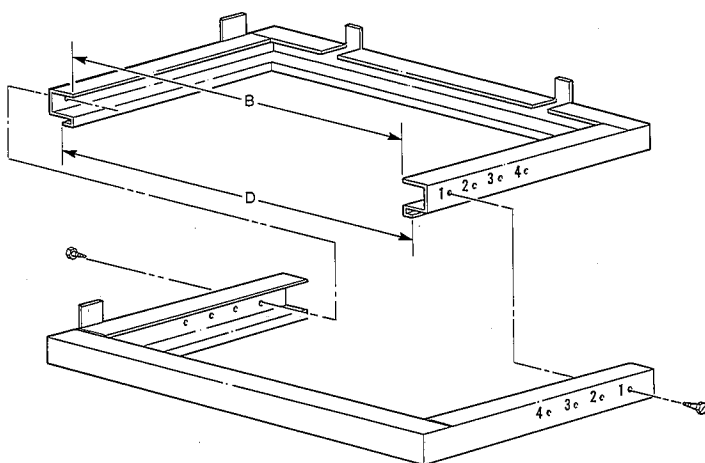
SIZE			024040	036040	024055	036055	036075	048075	048095	060095	060110
RATINGS AND PERFORMANCE											
Input Btuh*			46,000	46,000	69,000	69,000	92,000	92,000	115,000	115,000	138,000
Capacity†	Indoor		37,000	37,000	55,000	55,000	74,000	74,000	92,000	93,000	112,000
	Nonweatherized (ICS)‡		36,000	37,000	54,000	55,000	73,000	74,000	92,000	92,000	111,000
AFUE%†	Indoor		80.0	81.0	80.0	81.0	80.0	81.0	80.0	81.0	81.0
	Nonweatherized (ICS)‡		79.0	80.0	79.0	80.0	79.0	80.0	79.0	80.0	80.0
California Seasonal Efficiencies (CSE)			TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Certified Temperature Rise Range°F			35—65	15—45	55—85	30—60	50—80	40—70	50—80	40—70	50—80
Certified External Static Pressure Heat/Cool			0.10/0.50	0.10/0.50	0.12/0.50	0.12/0.50	0.15/0.50	0.15/0.50	0.20/0.50	0.20/0.50	0.20/0.50
Airflow Cfm	Heating		720	1170	660	1200	1155	1350	1400	1735	1700
	Cooling		895	1215	930	1300	1395	1580	1595	1950	2055
ELECTRICAL											
Unit Volts—Hertz—Phase			115—60—1								
Minimum Wire Size			14								
Maximum Fuse Size			15								
Transformer (24-V)			40VA								
External Control	Heating		21VA								
Power Available	Cooling		37VA								
A/C Blower Relay			Standard								
CONTROLS											
Limit Control			SPST								
Heating Blower Control			Solid-State Time Operation								
Burners (Monoport)			2	2	3	3	4	4	5	5	6
Gas Connection Size			1/2-inch NPT								
GAS CONTROLS											
Gas Valve (Redundant)			White-Rodgers Model 36E								
	Min Inlet Pressure		4.5 inches wc (Natural Gas)								
	Max Inlet Pressure		13.6 inches wc								
Main Burner Ignitor			Hot-Surface								
BLOWER DATA											
Direct-Drive Motor—HP—Type			1/5—PSC	1/3—PSC	1/5—PSC	1/3—PSC	1/3—PSC	1/2—PSC	1/2—PSC	3/4—PSC	3/4—PSC
Motor Full Load Amps			3.4	5.8	3.4	5.8	5.8	7.9	7.9	11.1	11.1
RPM (Nominal)—Speeds			1075—4	1075—4	1075—4	1075—4	1075—4	1075—4	1075—4	1075—4	1075—4
Blower Wheel Dia x Width			10 x 6	10 x 6	10 x 6	10 x 6	10 x 7	10 x 8	10 x 8	11 x 10	11 x 10
Filter Size—Permanent Washable			(2) 14 x 20 x 1							(2) 16 x 20 x 1	
DEALER-INSTALLED OPTIONS											
Accessory Downflow Subbase			313512-70101								
Natural-to-Propane Gas Conversion Kit			310318-70101								
Propane-to-Natural Gas Conversion Kit			310325-70101								
Duct-Flange Kit			305809-701								

*Gas inputs shown are for elevations up to 2000 ft. For elevations above 2000 ft, input should be reduced at the rate of 4% for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4.

†Capacity in accordance with U.S. Government DOE test procedures. California Seasonal Efficiencies based on California-specified procedures.

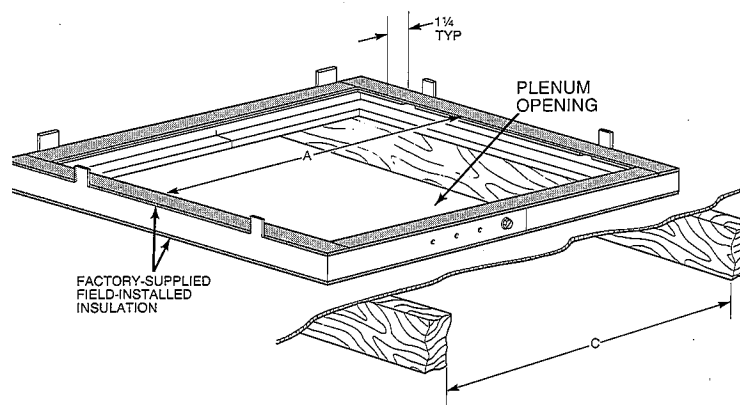
‡Isolated Combustion System (ICS)

ACCESSORY DOWNFLOW SUBBASE



Disassembled

A88207



Assembled

A88206

DIMENSIONAL DATA

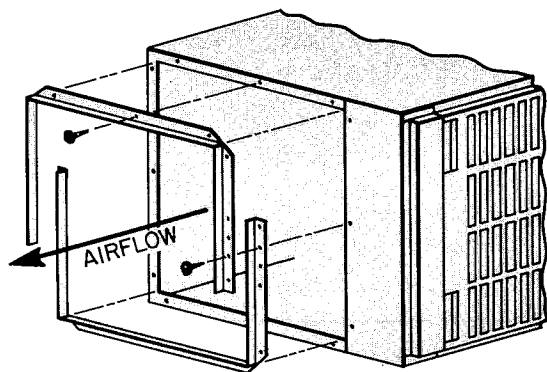
Furnace Width	Plenum Opening*		Framed Floor Hole		Hole No. for Width Adjustment
	A	B	C	D	
14-3/16	11-13/16	19	13-7/16	20-3/8	4
17-1/2	15-1/8	19	16-3/4	20-3/8	3
21	18-5/8	19	20-1/4	20-3/8	2
24-1/2	22-1/8	19	23-3/4	20-3/8	1

*The plenum should be constructed 1/4-in. smaller in width and depth than the plenum dimensions shown above.



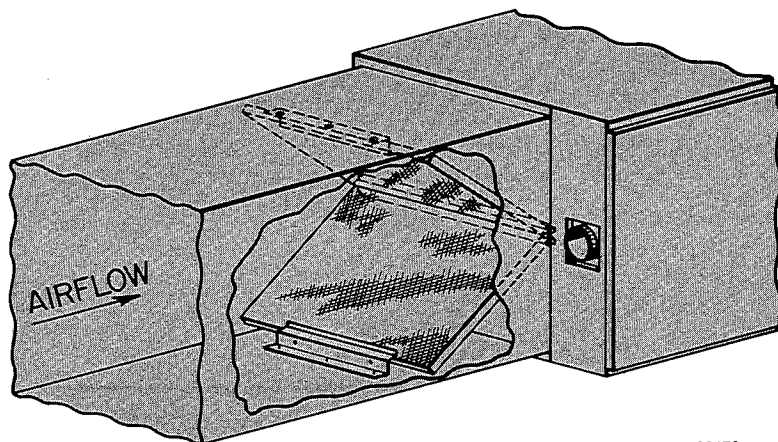
MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS.

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



Duct Flanges

A82172



Filter Retainers
(Field Supplied)

A82173

AIR DELIVERY—Cfm (With Filters)

Furnace Size	Blower Motor HP	Speed	External Static Pressure Inches wc							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
024040	1/5 PSC	High	1100	1050	1000	950	895	840	760	650
		Med-High	860	820	790	760	710	655	580	—
		Med-Low	720	685	650	615	560	505	440	—
		Low	615	585	555	510	460	400	340	—
036040	1/3 PSC	High	—	1400	1355	1300	1215	1130	1050	960
		Med-High	—	1295	1255	1190	1115	1045	975	890
		Med-Low	1170	1150	1115	1060	1005	950	880	800
		Low	1020	1010	980	945	895	850	785	715
024055	1/5 PSC	High	—	—	1010	975	930	885	825	745
		Med-High	—	815	800	765	725	685	620	—
		Med-Low	—	665	645	620	590	545	480	415
		Low	590	570	545	510	470	405	360	—
036055	1/3 PSC	High	—	1490	1425	1365	1305	1240	1175	1100
		Med-High	—	1345	1300	1255	1200	1140	1075	1000
		Med-Low	1200	1180	1140	1100	1060	1015	960	895
		Low	1020	1000	985	950	915	880	835	780
036075	1/3 PSC	High	—	1575	1515	1455	1395	1325	1230	1120
		Med-High	—	1380	1340	1285	1230	1165	1095	1005
		Med-Low	1165	1145	1130	1090	1055	1005	940	870
		Low	965	955	940	910	885	840	785	705
048075	1/2 PSC	High	1855	1765	1710	1665	1585	1570	1410	1310
		Med-High	1595	1570	1530	1485	1410	1355	1280	1200
		Med-Low	1355	1345	1305	1270	1220	1170	1110	1025
		Low	1170	1170	1140	1110	1075	1025	965	—
048095	1/2 PSC	High	1930	1850	1770	1685	1595	1505	1405	1305
		Med-High	1685	1630	1580	1525	1445	1370	1285	1195
		Med-Low	1425	1400	1370	1325	1280	1225	1155	1070
		Low	1250	1240	1210	1170	1150	1095	1035	950
060095	3/4 PSC	High	2235	2185	2110	2030	1950	1835	1700	1540
		Med-High	1995	1970	1915	1845	1765	1680	1545	1415
		Med-Low	1735	1730	1675	1625	1565	1480	1370	1265
		Low	1510	1500	1485	1455	1400	1320	1230	1130
060110	3/4 PSC	High	—	2250	2190	2130	2050	1960	1875	1760
		Med-High	—	2000	1960	1910	1850	1785	1710	1615
		Med-Low	1700	1690	1670	1650	1610	1560	1490	1435
		Low	1480	1480	1480	1460	1430	1380	1320	1255



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS