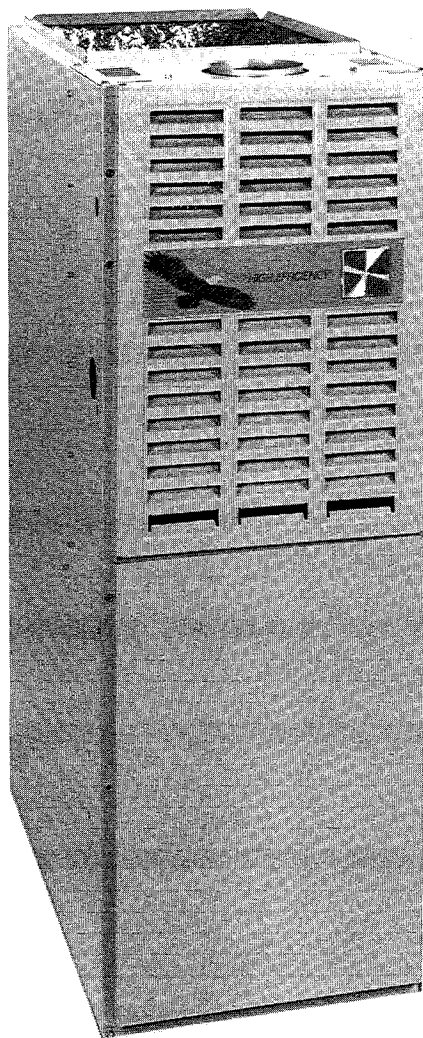


bryant**Bryant**
Air ConditioningIndianapolis, IN
City of Industry, CA**HIGH-EFFICIENCY UPFLOW
INDUCED-COMBUSTION
FURNACE****Model
395C**
Sizes 040
thru 130**PRELIMINARY PRODUCT DATA****NOTE:** Use the information in this publication
for preliminary reference only.**FILE
COPY**

A88318

**FOR IMPROVED RELIABILITY
AND PERFORMANCE**

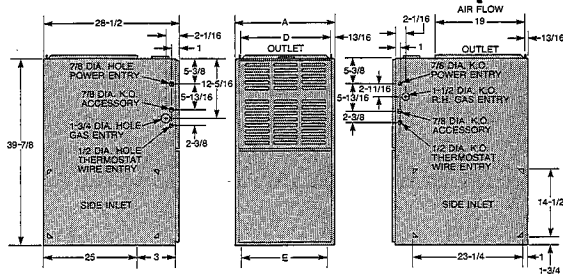
- Properly size furnace
- Set proper rate
- Set proper temperature rise
- Vent with new tables
(See installation instructions)

The 395C High-Efficiency Upflow Gas Furnaces have 80% plus AFUE*. They exceed California Seasonal Efficiency requirements and meet NO_x emissions requirements in effect there. Model 395C Furnaces are A.G.A. and C.G.A. design certified for use with natural and propane gases. Field conversion to propane is required.

*Tentative

FEATURES

- Capacities available are 40,000 thru 130,000 Btuh
- Induced-draft combustion
- Four-pass steel heat exchanger with non-prorated 20-year Limited Warranty
- Redundant gas control valve
- Hot surface ignitor
- Blower relay for cooling applications
- Printed-circuit control center with electronic air cleaner, humidifier terminals, and self-test feature
- Insulated blower compartment
- PSC multispeed direct-drive blower motor with Molex speed selector
- Blower door interlock switch (115-V circuit)
- Transformer (24-V, 40-VA)
- Time on-off fan control
- Limit control
- High-velocity air filter for easier installation/removal
- Draft safeguard system
- 40-inches high
- 28-1/2-inches deep
- New venting requirements and information for improved reliability (see installation instructions)



NOTE: 3 ADDITIONAL 7/8 DIA. KNOCKOUTS ARE LOCATED IN THE TOP PLATE



DIMENSIONS (In Inches)

Size	A	D	E	Vent Connection	Shipping Weight
024040	14-3/16	12-9/16	11-11/16	4	122
036040	14-3/16	12-9/16	11-11/16	4	124
024055	14-3/16	12-9/16	11-11/16	4	132
036055	14-3/16	12-9/16	11-11/16	4	134
036075	17-1/2	15-7/8	15	4	150
048075	21	19-3/8	18-1/2	4	154
036090	17-1/2	15-7/8	15	4	160
048090	21	19-3/8	18-1/2	4	166
060090	24-1/2	22-7/8	22	4	184
048110	21	19-3/8	18-1/2	5	178
060110	24-1/2	22-7/8	22	5	194
060130	24-1/2	22-7/8	22	5	204

CLEARANCES (In Inches)

Size	040 & 055	075 thru 130
Sides—Single-Wall Vent	1	0
Type-B1 Double-Wall Vent	0	0
Back	0	0
Top of Plenum	1	1
Vent Connector—Single-Wall	6	6
Type-B1 Double-Wall	1	1
Front*Single-Wall	6	6
Type-B1 Double-Wall Vent	3	3
Service	30	30

*The 3-inch front clearance is needed for combustion-air and ventilation-air entry.

SPECIFICATIONS

SIZE		024040	036040	024055	036055	036075	048075	036090	048090	060090	048110	060110	060130	
RATINGS AND PERFORMANCE														
Input Btuh*		44,000	44,000	66,000	66,000	88,000	88,000	110,000	110,000	110,000	132,000	132,000	154,000	
Capacity†	Indoor	36,000	36,000	54,000	54,000	72,000	72,000	90,000	90,000	90,000	108,000	108,000	126,000	
	Nonweatherized (ICS)**	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
AFUE†	Indoor	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
	Nonweatherized (ICS)**	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
California Seasonal Efficiencies (CSE)		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
Certified Temperature Rise Range °F		25—55	20—50	45—75	30—60	45—75	35—65	50—80	45—75	35—65	45—75	45—75	55—85	
Certified External Static Pressure	Heat/Cool	0.10/0.5	0.10/0.5	0.12/0.5	0.12/0.5	0.15/0.5	0.15/0.5	0.20/0.5	0.20/0.5	0.20/0.5	0.20/0.5	0.20/0.5	0.20/0.5	
Airflow Ft³/Min‡	Heating	855	1070	830	1175	1180	TBD	TBD	1415	TBD	TBD	TBD	TBD	
	Cooling	930	1275	950	1305	1365	TBD	TBD	1575	TBD	TBD	TBD	TBD	
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												
Air-Conditioning Blower Relay		Standard												
CONTROLS														
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-inch NPT												
GAS CONTROLS														
Gas Valve (Redundant)		White Rogers 36E												
	Min Inlet Pressure	4.5-inches wc (natural gas)												
	Max Inlet Pressure	13.6-inches wc (natural gas)												
Ignition Device		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	1/3—PSC	1/2—PSC	3/4—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	5.8	7.9	11.1	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	1075—4	1075—4	1075—4	
Blower Wheel Diameter x Width		10 x 6	10 x 6	10 x 6	10 x 7	10 x 7	10 x 8	10 x 7	10 x 8	10 x 10	10 x 8	11 x 10	11 x 10	
Filter Size—Permanent Washable		(1) 16 x 25 x 1								(2) 16 x 25		(1) 16 x 25		(2) 16 x 25 x 1
DEALER-INSTALLED OPTIONS														
Twinning Kit		313542-70101												
Gas Conversion Kit Natural-to-Propane		310318-70101												
Gas Conversion Kit Propane-to-Natural		310325-70101												
Side Filter Rack (Less Filter)		306040-101 (Filter Size 16 x 25 x 1)												
Return Filter Cabinet (Less Filters)		310314-70101 (Filter Size 2—20 x 25 x 1)												

TBD—To Be Determined.

*Gas input ratings are certified for elevations up to 2000 ft. For elevations above 2000 ft, reduce ratings 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.

‡Air delivery above 1800 cu ft/min requires that both sides, or a combination of one side and bottom, or bottom only of the furnace be used for return air. A filter is required for each return-air supply.

**Isolated Combustion System (ICS)



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS

Catalog No. BY-3239-500

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