



Product Data

58DLA/DLX Comfort™ 80 Deluxe 4-Way Multipoise Induced-Combustion Gas Furnace

Input Capacities:
45,000 thru 155,000 Btu/h

THE CARRIER Comfort™ 80 GAS FURNACE

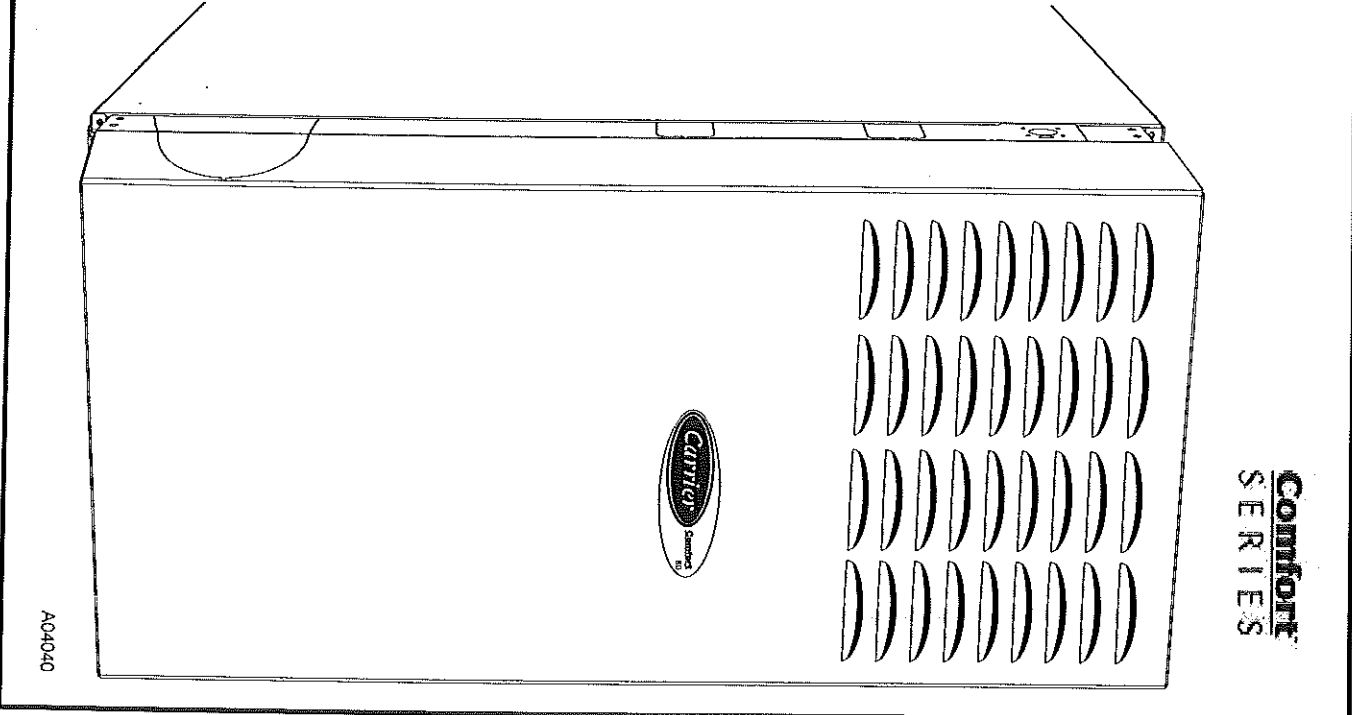
The 58DLA/DLX 4-way Multipoise Gas Furnaces offer deluxe features not found in other single-stage 80% gas furnaces. Carrier's QuietTech™ noise reduction system makes the Comfort™ 80 an incredibly quiet induced draft gas furnace. The exclusive Carrier Media Cabinet provides an economic way to add high performance air filtration to homes. The gas furnace 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

- QuietTech™ noise reduction system
- SmartEvap™—Humidity control when using a Thermostat control
- Comfort Fan™—adjustable constant fan speed from the thermostat
- Media Filter Cabinet included
- Microprocessor based control center
- LED diagnostics and self test feature
- Stores fault codes during power outages
- Adjustable heating air temperature rise
- Adjustable cooling airflow
- Dehumidification selection for summer-time cooling
- 4-way Multipoise furnace, 13 vent applications
- Compact design - only 33-1/3 in. tall
- Hot surface ignition (HSI)
- Draft safeguard switch to ensure proper furnace venting
- Insulated blower compartment
- Inner door for tighter sealing
- Heat Pump compatible
- All models are Chimney Friendly when used with accessory vent kit
- Twinning in Upflow, Downflow and Horizontal
- Residential installations eligible for consumer financing through the Retail Credit Program

LIMITED WARRANTY

- 20-year warranty on "Super ST™" heat exchanger
- 5-year parts warranty on all other components



Comfort
SERIES



A04040

Physical data

	UNIT SIZE		110		135		155	
	20	12	16	22	16	22	20	
INPUT CAPACITY BTUH* Nonweatherized (CS) †	58DLX Uplow; all 58DLA	71,000	89,000	89,000	89,000	107,000	107,000	125,000
	58DLX Downflow/Horizontal	68,000	85,000	85,000	85,000	102,000	102,000	119,000
	58DLX Uplow; all 58DLA	88,000	110,000	110,000	110,000	132,000	132,000	154,000
BTUH*	58DLX Downflow/Horizontal	84,000	105,000	105,000	105,000	126,000	126,000	147,000
	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0	80.0	80.0
WEIGHT (lb.)	Shipping	146	135	146	152	149	163	170
	Certified Temp Rise Range (°F)	25-55	50-80	40-70	30-60	50-80	40-70	45-75
CERTIFIED EXT STATIC PRESSURE	Heating	0.15	0.20	0.20	0.20	0.20	0.20	0.20
	Cooling	0.50	0.50	0.50	0.80	0.50	0.50	0.50
	Flow CFM*	1990	1335	1515	1900	1525	1850	1790
FLOW CFM*	Heating	2025	1355	1680	2220	1710	2110	2230
	Cooling							

CONTROL		Solid-State Time Operation						
EATING BLOWER CONTROL								
DIMENERS (Monoport)		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)						
CAUTION 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. 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. An airflow reduction of up to 7 percent may occur when using a Carrier 4-5/15 in. high efficiency media filter.

Isolated Combustion System

Blower performance data

	UNIT SIZE		110		135		155	
	20	12	16	22	16	22	20	
DIRECT-DRIVE MOTOR Hp (PSC)	3/4	1/3	1/2	3/4	1/2	3/4	3/4	
MOTOR FULL LOAD AMPS	11.1	5.2	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	
BLOWER WHEEL DIAMETER X WIDTHS (in.)	11 x 11	10 x 8	10 x 10	11 x 11	10 x 10	11 x 11	11 x 11	

*PSC-Permanent Split Capacitor

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 05-1104	Issue Date: PERMIT ISSUED	CBL: 319-A992001
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Location of Construction: 101 Mcallister Farm Rd	Owner Name: Dirigo Drywall Associates	Owner Address: 101 Mcallister Farm Rd	Phone:
Business Name:	Contractor Name: Portland Airconditioning, Inc.	Contractor Address: 205 Lincoln St. S. Portland	Phone: 2077674567
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: I-M

Part Use: commercial building	Proposed Use: commercial building with direct vent gas heating system in attic	Permit Fee: \$462.00	Cost of Work: \$48,668.00	CEO District: 5
Proposed Project Description: install direct vent gas heating system in attic of commercial building		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: U Type: Heating	

Signature: <i>Carol Cass</i>	Signature: <i>[Signature]</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	Date:

Permit Taken By: jharris	Date Applied For: 08/08/2005	Zoning Approval	
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Major <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
2. Building permits do not include plumbing, septic or electrical work.			
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.			

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT _____ ADDRESS _____ DATE _____ PHONE _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ DATE _____ PHONE _____

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389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	05-1104	Date Applied For:	08/08/2005	CBL:	319 A002001
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Location of Construction:	101 Mcallister Farm Rd	Owner Name:	Dirigo Drywall Associates	Owner Address:	101 Mcallister Farm Rd	Phone:	
Business Name:		Contractor Name:	Portland Airconditioning, Inc.	Contractor Address:	205 Lincoln St. S. Portland	Phone:	(207) 767-4567
Lessee/Buyer's Name		Phone:		Permit Type:	HVAC		

Proposed Use:	commercial building with direct vent gas heating system in attic	Proposed Project Description:	install direct vent gas heating system in attic of commercial building
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Dept: Zoning Status: Approved Reviewer: Marge Schmuckal Approval Date: 08/15/2005 Ok to Issue:

Dept: Building Status: Approved with Conditions Reviewer: Tammy Munson Approval Date: 08/17/2005 Ok to Issue:

Note: 1) A special inspection of the installation must occur prior to close out by the engineering design firm.

Dept: Fire Status: Approved with Conditions Reviewer: Cptn Greg Cass Approval Date: 08/15/2005 Ok to Issue:

Note: 1) Installation to comply with NFPA 90B