TECHNICAL GUIDE

SEALED COMBUSTION DOWNFLOW GAS FURNACES

MODELS: DGAA/DGAH SERIES

ISO 9000 REGISGRATION
ISO 9001
Certified Quality
Management System

DESIGN CERTIFIED

CERTIFIED

AHRI CERTIFIED™
www.ahridirectory.org
Residential Furnaces
DOE 10 CFR Part 430

Due to continuous product improvement, specifications are subject to change without notice.

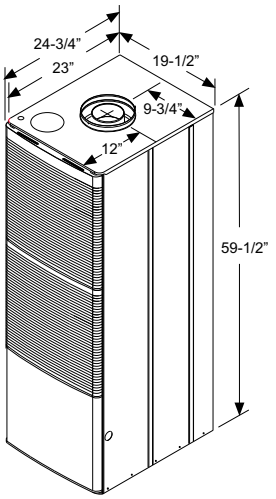
Additional efficiency rating information can be found at www.gamanet.org.

DESCRIPTION

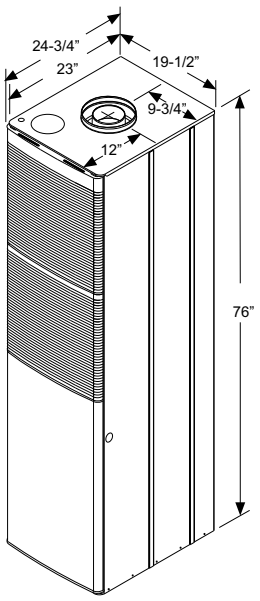
The DG Series gas furnace is actually two systems in one. As a powerful air handler, it can handle up to 4 tons of cooling. Additional blower accessories will provide 5 tons of cooling. As a gas furnace, its range of heating capacities makes it a perfect match for the heating requirements of almost any manufactured home.

FEATURES

- **Zero Clearance Feature -** Allows these furnaces to be installed where space is a premium.
- **Molded Contoured White Upper Panel -** Provides an attractive modern appearance and offers a scratch-resistant, durable appliance finish.
- **Pre-Painted Contoured White Lower -** Panels provide an attractive scratch-resistant appliance finish.
- **Built-in Coil Cabinet -** Is design-matched to work in conjunction with Coleman heat pumps and air conditioners, providing ease of installation and highly efficient operating performance. (DGAA model).
- **Air Conditioner Ready DGAA -** Models have blowers capable of handling up to 4 tons of air conditioning.
- **Aluminized Steel Heat Exchanger -** Provides efficient operation and unmatched corrosion resistance.
- **Universal Disposal Filters -** Clean the air and are easy to replace.
- **Sealed Combustion -** Design draws in combustion air directly from outside, providing quiet operation while increasing operating efficiency and reducing cold drafts.
- Conversion to propane gas is fast and easy. All models are provided with a convertible gas valve and gas orifices for both natural and propane gas.



DGAH Series



DGPH, DGPA & DGAA Series

TECHNICAL SPECIFICATIONS

MODEL NUMBER	DGAA056BDTB	DGAA070BDTB	DGAA077BDTB	DGAA090BDTB	DGAH056BBSB	DGAH077BBSB
Factory Equipped Fuel	Natural Gas					
Ignition Type	Automatic Hot Surface Ignition					
A/C Controls	A/C Ready				N/A	
Input Rate, BTUH	56,000	70,000	77,000	90,000	56,000	77,000
Output, BTUH	45,000	56,000	62,000	72,000	45,000	62,000
AFUE, % (Nat./LP)	80.0	80.0	80.0	80.0	80.0	80.0
High Altitude	For elevations above 2,000 feet, reduce input 4% for each 1,000 feet of elevation above sea level					
Air Temperature RiseRange, °F	45-75					
Designed Maximum Outlet Air Temperature, °F	165					
Maximum External Static Pressure, In. W.C.	0.3					
Furnace Flue Pipe	Must use 4000 Series Roof Jacks					
Gas Connection	1/2" NFPT					
Electric Service	115 VAC, 60 Hz, 1 Phase					
Fuse or Circuit Breaker	15 Amp Maximum					
Thermostat Circuit	24 VAC 60 Hz					
Filters	Two 16" x 20" x 1"					

MINIMUM DISTANCE TO COMBUSTIBLE MATERIALS														
Application	Top		Front		Rear		Sides		Roof Jack Flue		Floor[1]		Duct[1]	
	Closet	Alcove	Closet	Alcove	Closet	Alcove	Closet	Alcove	Closet	Alcove	Closet	Alcove	Closet	Alcove
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Downflow	2	2	6	24	0	0	0	0	0	0	0	0	0	0

1. Approved duct connector required for use on combustible floor.

BLOWER PERFORMANCE

STANDARD HEATING BLOWERS			Speed Tap	EXTERNAL STATIC PRESSURE, INCHES WC				
BTU/H Input/Output	Nominal CFM	Cabinet Size		0.1	0.2	0.3	0.4	0.5
				CFM	CFM	CFM	CFM	CFM
56 / 45	1305	A	High No Coil	1425	1380	1305	1245	1180
			High w/Coil	1385	1315	1260	1200	1135
			Low No Coil	1250	1205	1145	1085	1030
			Low w/Coil	1235	1190	1135	1080	1015
70 / 56	1305	A	High No Coil	1425	1380	1305	1245	1180
			High w/Coil	1385	1315	1260	1200	1135
			Low No Coil	1250	1205	1145	1085	1030
			Low w/Coil	1235	1190	1135	1080	1015
77 / 62	1305	A	High No Coil	1425	1380	1305	1245	1180
			High w/Coil	1385	1315	1260	1200	1135
			Low No Coil	1250	1205	1145	1085	1030
			Low w/Coil	1235	1190	1135	1080	1015
90 / 72	1305	A	High No Coil	1425	1380	1305	1245	1180
			High w/Coil	1385	1315	1260	1200	1135
			Low No Coil	1250	1205	1145	1085	1030
			Low w/Coil	1235	1190	1135	1080	1015

7900 - 7751 AC/ACCESSORY BLOWER			Speed Tap	EXTERNAL STATIC PRESSURE, INCHES WC				
BTU/H Input/Output	Nominal CFM	Cabinet Size		0.1	0.2	0.3	0.4	0.5
				CFM	CFM	CFM	CFM	CFM
56 / 45	1725	A	High w/Coil	1800	1760	1725	1680	1650
			Med High w/Coil	1535	1505	1480	1445	1410
			Med Low w/Coil	1270	1240	1215	1185	1100
			Low w/Coil	1085	1055	1025	1005	980
70 / 56	1725	A	High No Coil	1800	1760	1725	1680	1650
			High w/Coil	1535	1505	1480	1445	1410
			Low No Coil	1270	1240	1215	1185	1100
			Low w/Coil	1085	1055	1025	1005	980
77 / 62	1725	A	High No Coil	1800	1760	1725	1680	1650
			High w/Coil	1535	1505	1480	1445	1410
			Low No Coil	1270	1240	1215	1185	1100
			Low w/Coil	1085	1055	1025	1005	980
90 / 72	1725	A	High No Coil	1800	1760	1725	1680	1650
			High w/Coil	1535	1505	1480	1445	1410
			Low No Coil	1270	1240	1215	1185	1100
			Low w/Coil	1085	1055	1025	1005	980

ACCESSORIES

MODEL NO.	DESCRIPTION	USED WITH
7900-7761	AC CONTROL KIT	A/C RELAY FOR DGPH MODELS
7900-7741/A	4 TON BLOWER	4 TON, 2 SPEED BLOWER FOR DGPH, DGPA
7900-7751	5 TON BLOWER	5 TON, 4 SPEED BLOWER FOR ALL MODELS
1PS0166	HIGH ALTITUDE KIT FOR NATURAL GAS	ALL MODELS
1PS0167	HIGH ALTITUDE KIT FOR PROPANE (LP) GAS	ALL MODELS

NOTES

246641-BTG-E-0116
Supersedes: 246641-BTG-D-1211

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