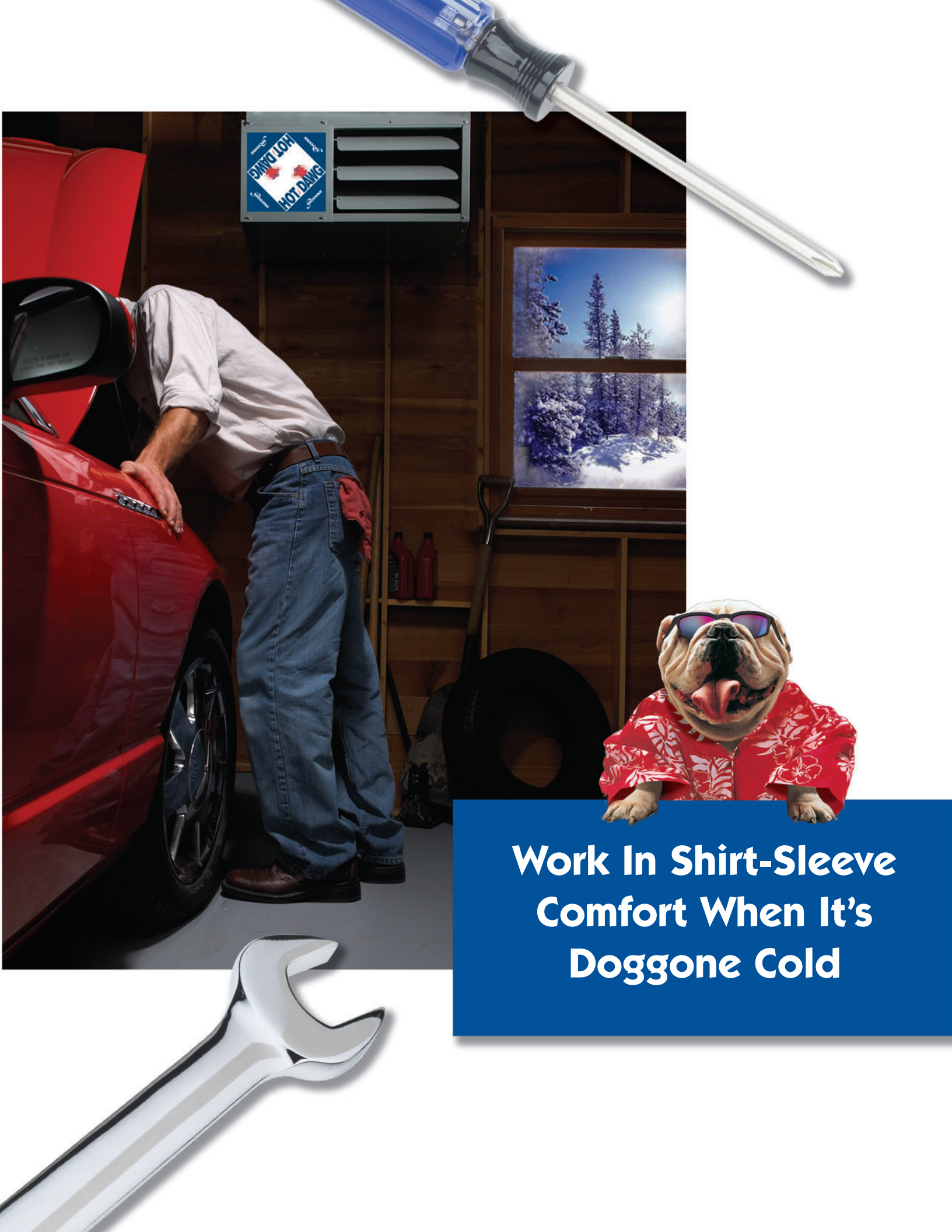




**Work In Shirt-Sleeve  
Comfort When It's  
Doggone Cold**



## Hot Dawg® Model HD power-exhausted, gas-fired unit heater

- Hush-puppy quiet operation.
- Uses natural or propane gas.
- Certified for residential, commercial and industrial use.
- Low-profile design and neutral color to blend in with decor.
- Lightweight, easily installs 1" from ceiling with only 2 angle brackets (included on sizes 30-75, accessory for 100, 125).
- Install quickly and easily with field wiring connections and knockouts for quick access to gas and electricity.
- Standard power exhaust simplifies side-wall or roof venting with small-diameter vent pipe.
- Right or left hand controls available on all 30-75 units. Gas, electrical and flue connections can be changed by simply flipping the Hot Dawg over.
- Permanently-lubricated motor for trouble-free dependability.
- Full 10-year warranty on heat exchanger.
- Also available with a blower. Contact Modine for further information.

## Hot Dawg® Model HDS separated-combustion, gas-fired unit heater

Same features as Model HD, except adds these features:

- The separated combustion Hot Dawg draws its combustion air from outside the work space, ensuring the unit always has plenty of fresh, clean air to breathe.
- The fresh-air supply reduces common concerns about dusty, dirty or humid applications, providing greater durability and reduced maintenance.
- Drawing combustion air from the outside increases overall heating efficiency.
- External gas connections.



## For The Heat You Need, Just Unleash A Hot Dawg!

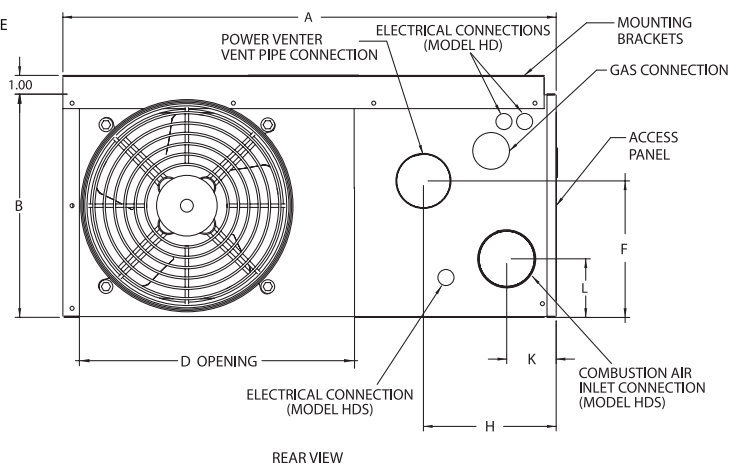
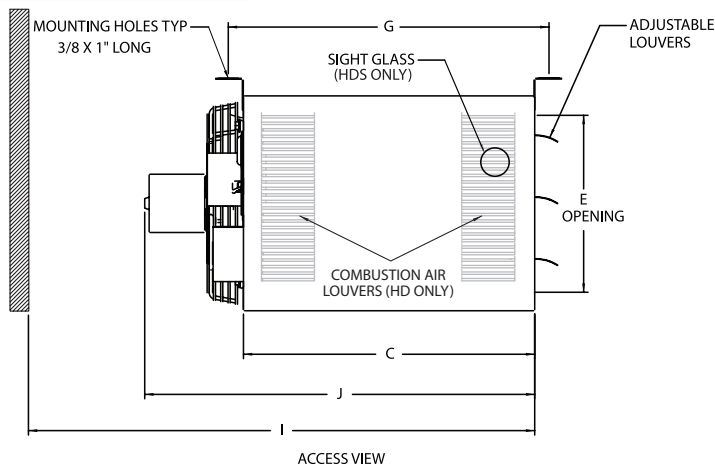
| Unit              | Btu/Hr Input   | Typical Application   |
|-------------------|----------------|-----------------------|
| HD/HDS 30         | 30,000         | 1 to 1-1/2 Car Garage |
| HD/HDS 45         | 45,000         | 2 to 2-1/2 Car Garage |
| HD/HDS 60         | 60,000         | 3 to 3-1/2 Car Garage |
| HD/HDS 75,100,125 | 75,000-125,000 | Large Garage          |

Sizing data for sample only. Consult a qualified installer for the actual requirements for your building.





# Power-Exhausted and Separated-Combustion, Gas-Fired Unit Heater Specifications

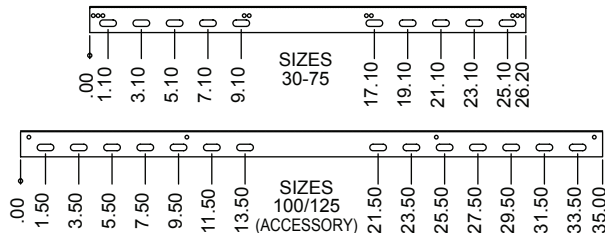


## Performance

| Model Size                | 30         | 45     | 60     | 75     | 100     | 125     |
|---------------------------|------------|--------|--------|--------|---------|---------|
| Btu/Hr Input              | 30,000     | 45,000 | 60,000 | 75,000 | 100,000 | 125,000 |
| Btu/Hr Output             | 24,000     | 36,000 | 48,000 | 60,000 | 80,000  | 100,000 |
| Entering Airflow (CFM)    | 505        | 720    | 990    | 1,160  | 1,490   | 1,980   |
| Outlet Velocity           | 523        | 749    | 653    | 769    | 565     | 747     |
| Air Temp. Rise (°F)       | 44         | 46     | 45     | 48     | 50      | 47      |
| Mounting Height (Max ft.) | 10         | 10     | 12     | 14     | 12      | 16      |
| Heat Throw (ft.)          | 25         | 27     | 36     | 38     | 42      | 56      |
| Motor Data                | Horsepower | 1/15   | 1/15   | 1/12   | 1/12    | 1/8     |
|                           | RPM        | 1,550  | 1,550  | 1,625  | 1,625   | 1,050   |
|                           | Type       | S.P.   | S.P.   | P.S.C. | P.S.C.  | S.P.    |
|                           | Amps       | 2.4    | 2.4    | 1.2    | 1.2     | 2.7     |
| Unit Total Amps           | 3.7        | 3.7    | 2.5    | 2.5    | 4.7     | 4.2     |

## Mounting

1" - angle, mounting brackets are slotted to accommodate joists on 16" or 24" centerlines.



## Dimensions (inches)

| Model Size                                                 | 30   | 45   | 60    | 75    | 100/125 |
|------------------------------------------------------------|------|------|-------|-------|---------|
| A                                                          | 26.8 | 26.8 | 26.8  | 26.8  | 35.5    |
| B                                                          | 12.2 | 12.2 | 18.0  | 18.0  | 20.5    |
| C                                                          | 16.5 | 16.5 | 16.5  | 16.5  | 22.0    |
| D                                                          | 14.9 | 14.9 | 14.9  | 14.9  | 22.5    |
| E                                                          | 10.1 | 10.1 | 15.9  | 15.9  | 18.4    |
| F                                                          | 7.25 | 7.25 | 10.75 | 10.75 | 14.0    |
| G                                                          | 18.5 | 18.5 | 18.5  | 18.5  | 24.0    |
| H                                                          | 7.6  | 7.6  | 7.835 | 7.835 | 8.4     |
| Gas Connection                                             | 1/2  | 1/2  | 1/2   | 1/2   | 1/2     |
| I                                                          | 34.5 | 34.5 | 34.5  | 34.5  | 43.0    |
| J                                                          | 22   | 22   | 25    | 25    | 31.0    |
| K (HDS only)                                               | 2.74 | 2.74 | 3.15  | 3.15  | 3.87    |
| L (HDS only)                                               | 3.19 | 3.19 | 5.55  | 5.55  | 10.73   |
| Vent Connector Size (in.)                                  | 3    | 3    | 3/4*  | 3/4*  | 4       |
| Combustion Air Inlet Connector Size (Model HDS only) (in.) | 3    | 3    | 4     | 4     | 4       |
| Fan Diameter                                               | 10   | 10   | 14    | 14    | 18.0    |
| Approx. Shipping Weight (lbs.)                             | 55   | 60   | 80    | 85    | 125     |

\* 3" for Model HD, 4" for Model HDS

## Clearances

| Unit Side       | Clearance To Combustible Materials | Recommended Service Clearance |
|-----------------|------------------------------------|-------------------------------|
| Top and Bottom  | 1"                                 | 1"                            |
| Access Side     | 1"                                 | 18"                           |
| Non-Access Side | 1"                                 | 1"                            |
| Rear            | 18"                                | 18"                           |
| Vent Connector  | 4"                                 | 4"                            |

## Control Options

| Control Description                                                                                                                                                                                                                                                         | Control Code No. | Service Voltage | Thermostat Voltage | Type of Gas | Model Size |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|--------------------|-------------|------------|
| <b>Single-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry</b><br>- Utilizes a single-stage combination gas control with ignition control.<br>Gas is lit with a direct spark igniter on call for heat.                                                     | 11               | 115V            | 24V                | natural     | 30-125     |
|                                                                                                                                                                                                                                                                             | 21               | 115V            | 24V                | propane     | 30-125     |
| <b>Two-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry</b><br>- Utilizes a two-stage combination gas control with built-in ignition control.<br>Firing rate is 100% and 50% of full rated input. Gas is lit with a direct spark igniter on call for heat. | 12               | 115V            | 24V                | natural     | 75-125     |
|                                                                                                                                                                                                                                                                             | 22               | 115V            | 24V                | propane     | 75-125     |



## Hot Dawg® – Chasing Away The Cold In Any Space, New Or Old

You don't have to go far to find a Hot Dawg.  
For the location of your nearest Hot Dawg source,  
fetch your phone and call:

**800-828-4328 (HEAT)**

or visit us online at [www.modine.com/hotdawg](http://www.modine.com/hotdawg)



**Low-Profile, Gas-Fired  
Residential Garage Heaters**

### **Commercial Products Group**

Modine Manufacturing Company

1500 DeKoven Avenue

Racine, WI 53403-2552

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