

**STOCKED IN CDC: HD (NAT GAS) MODELS HD30, HD45, HD75, HD100, HD125
HD (LP) MODELS HD30LP, HD45LP, HD75LP, HD125LP**

HOT DAWG® POWER-EXHAUSTED, GAS-FIRED UNIT HEATER (MODEL HD)

- Hush-puppy quiet operation (see table)
- 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
- Uses natural or propane gas
- Lightweight, easily installs 1" from ceiling with only two angle brackets (included on sizes 30-75, accessory for 100, 125)
- Full 10-year warranty on heat exchanger
- Standard power exhaust simplifies side-wall or roof venting with small-diameter vent pipe
- Permanently-lubricated motor for trouble-free dependability
- Controls can be either single or two-stage, direct spark ignition, 100% shut-off with continuous retry
- Low-profile design and neutral color to blend in with decor
- Also available with a blower (model HDB). Contact Modine for further information

Hot Dawg Applications

Model	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.



HOT DAWG® H₂O LOW PROFILE HOT WATER UNIT HEATER (MODEL HHD)

- No external moving parts - twin centrifugal blowers keep all moving parts inside the cabinet
- Mounting flexibility (parallel, perpendicular or recessed between joists) allows for horizontal or vertical air delivery
- Low-profile design
- Available in hammertone beige
- Constructed of heavy gauge steel for clean appearance and maximum headroom
- Includes two mounting brackets with vibration isolators to reduce noise and vibration
- Internal coil can handle water pressures up to 150 PSI and temperatures up to 200° F

Hot Dawg H₂O Applications

Model Sizes	Airflow (CFM)	GPM	140° F BTU/hr	180° F BTU/hr	Application
HHD 30	405 405	2 4	20,600 24,200	30,900 36,300	1 to 2 car garage
HHD 45 (high speed)	710 710	2 4	29,900 35,100	44,800 52,700	2 to 3 car garage
HHD 45 (low speed)	425 425	2 4	20,700 24,400	31,100 36,600	2 to 3 car garage

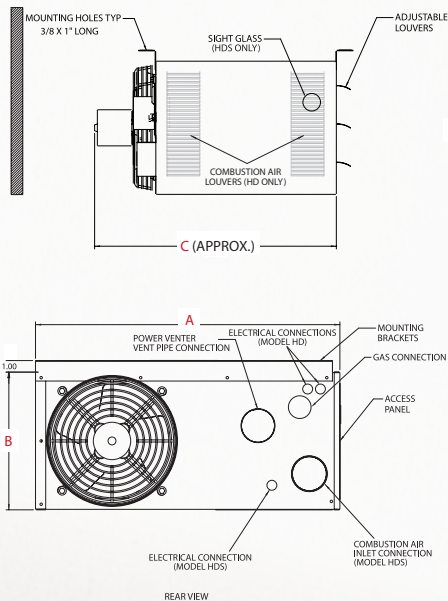
Model HD/HDS Sound Pressure Level (dBA)¹

Model Size	Modine	Competitor ²
	5 ft.	5 ft.
30	53	59
45	57	59
60	59	59
75	58	69

1. Measured at distance from unit shown.

2. Competitor published data.

RESIDENTIALLY-CERTIFIED, GAS-FIRED UNIT HEATER SPECIFICATIONS



Dimensions (inches) - Model HD/HDS

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	22	22	25	25	31.0
Gas Connection	1/2	1/2	1/2	1/2	1/2
Vent Connector Size (in.)	3	3	3/4*	3/4*	4
Approx. Shipping Weight (lbs.)	55	60	80	85	125

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

Clearances for Residentially-Certified Unit Heaters

Unit Side	Clearance To Combustible Materials	Recommended Service Clearance
Top and Bottom	1"	1"
Access Side	1"	18"
Non-Access Side	1"	1"/18" ¹
Rear	18"	18"
Vent Connector	4"/6" ¹	4"/6" ¹

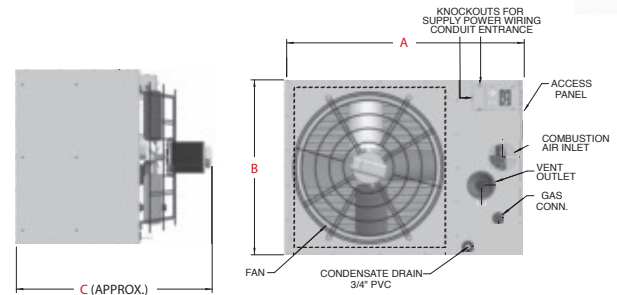
1. For high-efficiency unit only (Model PTC)

**To find out where to buy a Hot Dawg,
visit www.ModineHVAC.com/HotDawg**



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Racine, Wisconsin 53403-2552
1.800.828.HEAT
www.ModineHVAC.com

Follow us on Twitter @ModineHVAC



Dimensions (inches) - Model PTC¹

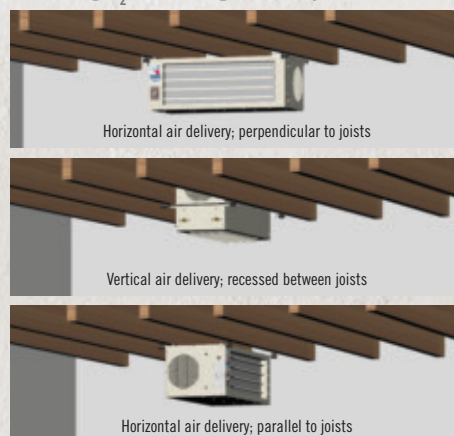
Model size	55	65	85	110
A	29.80	29.80	35.53	35.53
B	18.13	18.13	20.31	20.31
C	28.19	28.19	33.83	33.83
Combustion Air Inlet Pipe	3	3	3	3
Vent Outlet Pipe	3	3	3	3
Gas Connection	1/2	1/2	1/2	1/2
Approx. Shipping Weight (lbs.)	93	103	125	128

1. Do not use propeller units with duct work.

**For more information on the Effinity⁹³,
visit www.ModineHVAC.com/Effinity93**



Hot Dawg H₂O Mounting Flexibility



**For Hot Dawg H₂O specifications,
visit www.ModineHVAC.com/HotDawg**



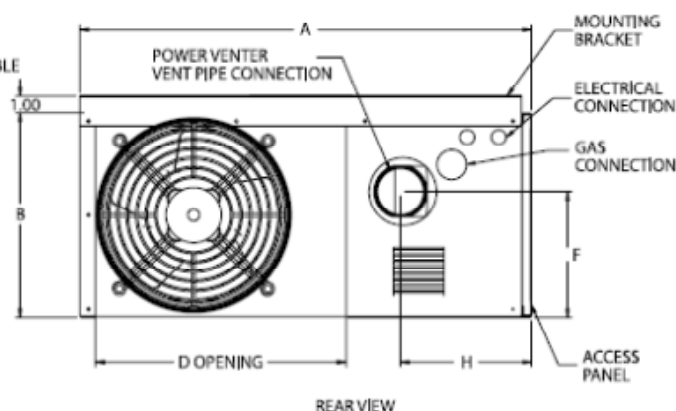
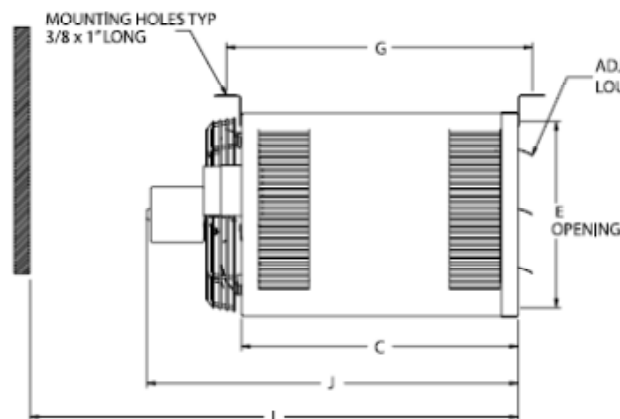


Certified for Residential
and Commercial Use

SUBMITTAL DATA

power vented gas-fired unit heaters

model HD



Performance

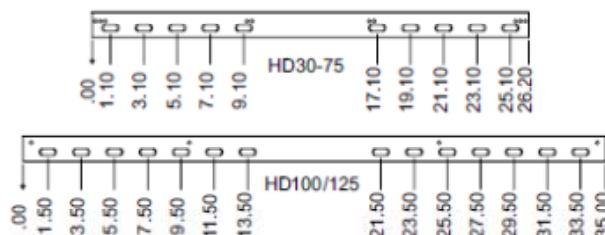
Models	HD30	HD45	HD60	HD75	HD100	HD125
Btu/Hr Input	30,000	45,000	60,000	75,000	100,000	125,000
Btu/Hr Output	24,000	36,000	48,000	60,000	80,000	100,000
Entering Airflow (CFM)	505	720	990	1,160	1,490	1,980
Outlet Velocity	523	749	653	769	565	747
Air Temp. Rise (°F)	44	46	45	48	50	47
Mounting Height (Max 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.	P.S.C.
	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
Vent Connector Size (in.)	3	3	3	3	4	4

Dimensions (inches)

Models	HD30	HD45	HD60	HD75	HD100/125
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	7.5	7.5	10.7	10.7	14.0
G	18.5	18.5	18.5	18.5	24.0
H	7.6	7.6	7.8	7.8	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
Fan Diameter	10	10	14	14	18.0
Approx. Shipping Weight (lbs.)	55	60	80	85	125

Mounting

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



Clearances

Unit Side	Clearance To Combustible Materials	Recommended Service Clearance
Top and Bottom	1"	1"
Access Side	18"	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
Single-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry - Utilizes a single-stage combination gas control with ignition control. Gas is lit with a direct spark igniter on call for heat.	11	115V	24V	natural	30-125
	21	115V	24V	propane	30-125
Two-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry - Utilizes a two-stage combination gas control with built-in ignition control. Firing rate is 100% and 50% of full rated input. Gas is lit with a direct spark igniter on call for heat. ③	12	115V	24V	natural	75-125
	22	115V	24V	propane	75-125