HOT DAWG™



TAKE THE CHILL OUT OF YOUR GARAGE OR WORKSPACE WITH A HOT DAWG™









MODINE

YEAR-ROUND COMFORT TO WORK, PLAY AND RELAX





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 unit 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™ SEPARATED COMBUSTION GAS-FIRED UNIT HEATER (MODEL HDS)

Same features as HD, with these added benefits:

- Draws 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
- Factory assembled, certified separated combustion saves installation time

HOT DAWG™ H_2O 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 H_2O Applications

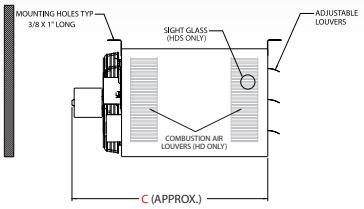
Model Sizes	Airflow (CFM)	GPM	140° F BTU/hr	180° F BTU/hr	Application
HHD 30	405 405	2 4	20,600 24,200	30,900 36,300	1 to 2 car garage
HHD 45 (high speed)	710 710	2 4	29,900 35,100	44,800 52,700	2 to 3 car garage
HHD 45 (low speed)	425 425	2 4	20,700 24,400	31,100 36,600	2 to 3 car garage

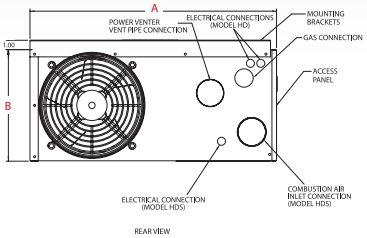
Hot Dawg H_2O Mounting Flexibility


Horizontal air delivery; perpendicular to joists


Vertical air delivery; recessed between joists


Horizontal air delivery; parallel to joists





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)

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.

Performance Data - Model HD/HDS

Model Size	30	45	60	75	100	125
Btu/Hr Input[1]	30,000	45,000	60,000	75,000	100,000	125,000
Btu/Hr Output[1]	24,000	36,000	48,000	60,000	80,000	100,000
Entering Airflow (CFM)[2]	505	720	990	1,160	1,490	1,980
Outlet Velocity [2]	523	749	653	769	565	747
Air Temp. Rise (ºF)	44	46	45	48	50	47
Mounting Height (Max ft.) [2]	10	10	12	14	12	16
Heat Throw (ft.)	25	27	36	38	42	56

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.

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



HOT DAWG™ SPECIAL EDITION BLACK UNITS

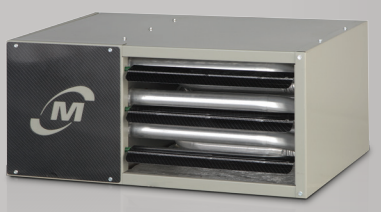
- Units are available in propane or natural gas
- Sizes: HD30, HD45, HD60 and HD75
- Available in satin black or standard green
- Perfect for single to four-plus car garages
- Available with standard power vent only (Not available with stainless steel exchanger or separated combustion)

CUSTOMIZE YOUR HOT DAWG™ WITH EASY-TO-INSTALL TRIM KITS

Choose from three new trim kits. They look great with our standard green units too.



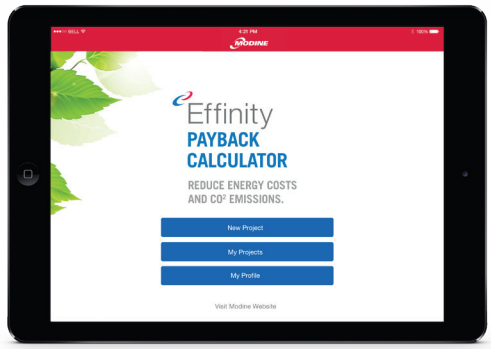
Huntin' Dawg



Carbon Fiber



Diamond Dawg



CALCULATE YOUR COST AND ENERGY SAVINGS WITH MODINE'S EFFINITY MOBILE APP

- Ideal for contractors and engineers responsible for specifying HVAC equipment for projects of any size
- By entering simple jobsite data in the intuitive calculator, users can compare products with differing efficiencies, determine the annual cost savings, return on investment and environmental advantages
- The results can be saved, emailed and printed with a simple click



DOWNLOAD OUR SAVINGS CALCULATOR APP:

Google play

Available on the App Store



EFFINITY™ CONDENSING UNIT HEATER (MODEL PTC)

- Up to 97% efficient, all units a minimum of 93% efficient.
- The most efficient gas-fired, condensing unit heater in North America
- Features Modine's high-grade stainless steel Conservicore® technology secondary heat exchanger
- All sizes are separated combustion
- A minimum 15% decrease in CO_2 versus other gas-fired heaters and minimum 17% gas savings (up to 40%)
- A smart investment and respectable ROI with valuable state utility rebates available

Performance Data - Model PTC

Model size	55	65	85	110
Btu/Hr Input[1]	55,000	65,000	85,000	110,000
Btu/Hr Output[1]	51,150	60,450	79,050	102,300
Condensate Production (Gal./Hr.)	0.3	0.4	0.5	0.7
Entering Airflow (CFM) @ 70°F[2]	1,097	1,141	1,650	1,750
Outlet Velocity (FPM)[2]	618	650	619	668
Air Temp. Rise (°F)	43	49	44	54
Max. Mounting Height (Ft.)[2]	12	12	13	13
Heat Throw (Ft.) @ Max. Mtg Ht	43	43	48	46

1. Ratings shown are for elevations up to 2,000 ft. For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet about sea level. (In Canada see rating plate.) Reduction of ratings requires use of high altitude kit.
2. Data taken at 65ºF ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit, and without deflector hoods.

MODINE

Modine Manufacturing Company
1500 DeKoven Avenue
Racine, Wisconsin 53403-2552
1.800.828.HEAT
www.ModineHVAC.com

Follow us on Twitter @ModineHVAC

See us on YouTube www.youtube.com/ModineHVAC

©2015 Modine Manufacturing Co.