

**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 08-1562	Issue Date:	CBL: 369 B004001
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Location of Construction: 1 DAVIS FARM RD	Owner Name: DAVISON ROBERT C REVOCAB	Owner Address: 71 WALNUT HILL AVE	Phone:
Business Name:	Contractor Name: Caron & Waltz	Contractor Address: 321 Lincoln Street South Portland	Phone 2077992228
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: I-M

Past Use: Commercial - Fairpoint Communications	Proposed Use: Commercial - Fairpoint Communications - install a Hot Dawg Model exhausted, gas fired unit heater	Permit Fee: \$80.00	Cost of Work: \$5,695.00	CEO District: 5
Proposed Project Description: install a Hot Dawg Model exhausted, gas fired unit heater		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: B Type: HVAC IMC-2003 Signature: MB 12/23/08	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: Date:		

Permit Taken By: Idobson	Date Applied For: 12/17/2008	<b>Zoning Approval</b>		
<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>		<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 12/17/08	<b>Zoning Appeal</b> <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 Date:	<b>Historic Preservation</b> <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 Date:

**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.

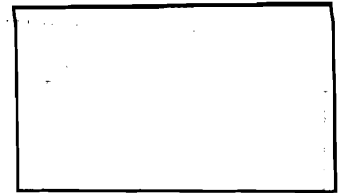
SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 1 DAVIS FARM ROAD <sup>369 B 4</sup> Use of Building COMMERCIAL Date 12/17/08  
 Name and address of owner of appliance FAIRPOINT COMMUNICATIONS  
1 DAVIS FARM ROAD PORTLAND, ME 04103  
 Installer's name and address CARON + WALTZ, 321 LINCOLN STREET.  
SU. PORTLAND, ME 04106 Telephone 799-2228

### Location of appliance:

- Basement
- Attic
- CEILING
- Floor
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: MUDINE HD100

U.L. Approved  Yes  No

Will appliance be installed in accordance with the manufacture's installation instructions?  Yes  No

IF NO Explain: DEC 17 2008

### The Type of License of Installer:

- Master Plumber # \_\_\_\_\_
- Solid Fuel # \_\_\_\_\_
- Oil # \_\_\_\_\_
- Gas # PNT1619
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined  
Factory built \_\_\_\_\_
- Metal  
Factory Built U.L. Listing # \_\_\_\_\_
- Direct Vent  
Type B-Vent UL# \_\_\_\_\_

### Type of Fuel Tank NA

- Oil
- Gas NATURAL GAS (PIPED)

Size of Tank NA

Number of Tanks NA

Distance from Tank to Center of Flame NA feet.

Cost of Work: \$ 5,695.00

Permit Fee: \$ 80

### Approved

### Approved with Conditions

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

See attached letter or requirement

Inspector's Signature \_\_\_\_\_

Date Approved \_\_\_\_\_

Signature of Installer [Signature]

**City of Portland, Maine - Building or Use Permit**

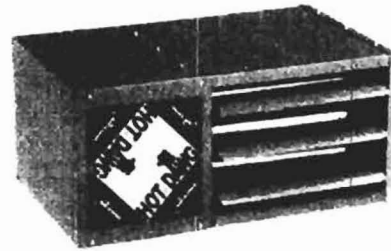
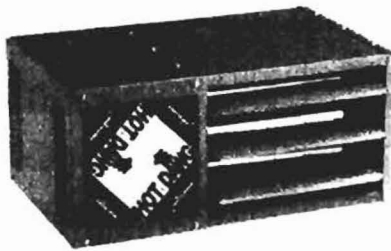
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<b>Business Name:</b>	<b>Contractor Name:</b> Caron & Waltz	<b>Contractor Address:</b> 321 Lincoln Street South Portland	<b>Phone:</b> (207) 799-2228
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Commercial - Fairpoint Communications - install a Hot Dawg Model exhausted, gas fired unit heater	<b>Proposed Project Description:</b> install a Hot Dawg Model exhausted, gas fired unit heater
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<b>Dept:</b> Zoning	<b>Status:</b> Approved	<b>Reviewer:</b> Marge Schmuckal	<b>Approval Date:</b> 12/17/2008
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Jeanine Bourke	<b>Approval Date:</b> 12/24/2008
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
1) Equipment must be installed in compliance with the manufacturer's specifications			
2) The installation must comply with the State of Maine Gas Regulations.			
3) Installation shall comply with 2003 International Mechanical Code			
<b>Dept:</b> Fire	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Capt Greg Cass	<b>Approval Date:</b> 12/22/2008
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
1) Install shall comply with all manufacture's specifications.			



## 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!

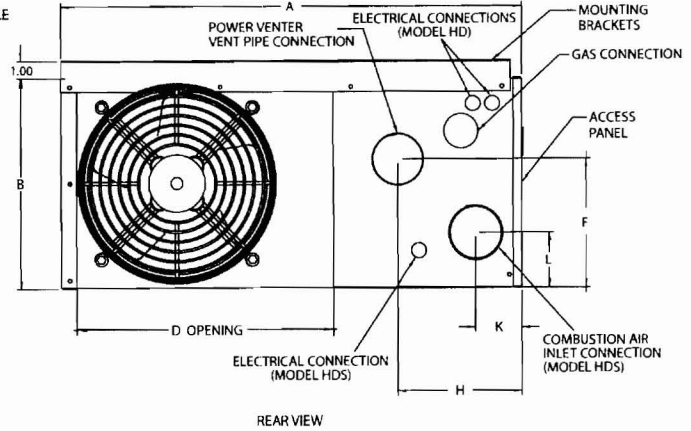
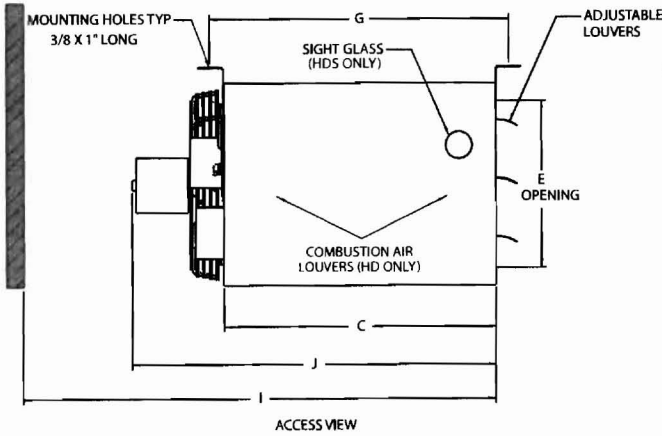
Unit	Btu/Hr Input	Typical Application
HD/HDS 30	30,000	1 to 1-1/2 Car Garage
HD/HDS 45	45,000	2 to 2-1/2 Car Garage
HD/HDS 60	60,000	3 to 3-1/2 Car Garage
<del>HD/HDS 100</del>	<del>100,000-125,000</del>	<del>Large Garage</del>

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

# HOT

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

# DAWG



### Performance

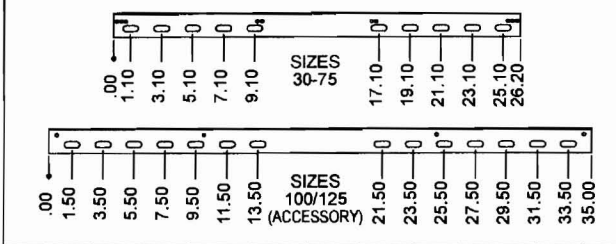
Model Size	30	45	60	75	100	125	
Btu/Hr Input	30,000	45,000	60,000	75,000	100,000	125,000	
Btu/Hr Output	24,000	36,000	48,000	60,000	80,000	100,000	
Entering Airflow (CFM)	505	720	990	1,160	1,490	1,980	
Outlet Velocity	523	749	653	769	565	747	
Air Temp. Rise (°F)	44	46	45	48	50	47	
Mounting Height (Max 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	1,550
	Type	S.P.	S.P.	P.S.C.	P.S.C.	S.P.	P.S.C.
	Amps	2.4	2.4	1.2	1.2	2.7	2.2
Unit Total Amps	3.7	3.7	2.5	2.5	4.7	4.2	

### 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

### Mounting

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



\* 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> - 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
<b>Two-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry</b> - 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.	12	115V	24V	natural	75-125
	22	115V	24V	propane	75-125