
ADDISON SMITH

Mechanical Contractor, Inc.

HPPG 89ki EXPANSION PROJECT

Heating Equipment Submittal Data

Spec 15750



AccuSpec V3.5.0

HPPG

Date: 01/14/2014

Approved By:

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Submittal review and approval required prior to listed unit(s) being released for production and shipment. Unit(s) configured based on information provided. The Approver is responsible for ensuring the units, options, and accessories meet the job specifications.



SUBMITTAL SCHEDULE & DATA

Gas-Fired Unit Heaters

Job Name: HPPG
 Location: TALLAPOOSA, GA.
 Submitted by: Tommy Bruner

Date: 01/14/2014
 Engineer: SSOE
 Architect:
 Contractor: ADDISON SMITH MECHANICAL

	Unit Tag		
	GUH-15-19	GUH-10-14	
Model Number	HD 75AS0111	HD 100AS0111	
Quantity of Units	5	5	
Btu/Hr Input	75,000	100,000	
Btu/Hr Output	60,000	80,000	
CFM	1160	1490	
Altitude	0-2000	0-2000	
Temperature Rise (degrees F)	48	50	
External Static Pressure (E.S.P)	0.00	0.00	
Total Static Pressure (T.S.P.)	0.00	0.00	
Gas Type	Natural	Natural	
Gas Control Type	Single Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry	Single Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry	
Unit Voltage	115/60/1	115/60/1	
Control Voltage	24V	24V	
Motor HP	1/12	1/12	
Motor RPM	1625	1100	
Blower RPM	N/A	N/A	
Heat Exchanger Type	Aluminized Steel	Aluminized Steel	
Options & Accessories (See Attached Pages)			

Remarks _____



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SUBMITTAL SCHEDULE & DATA

Gas- and Oil-Fired Unit Heaters, Infrared Heaters, and Indoor Duct Furnaces

Model	Description	Qty	Tag
HD 75AS0111	Propeller Unit Heater	5	GUH-15-19
53143	HD 75AS0111	5	GUH-15-19
#57856	Non-Pack Pricing - HD	5	GUH-15-19
HD 100AS0111	Propeller Unit Heater	5	GUH-10-14
53144	HD 100AS0111	5	GUH-10-14
#57856	Non-Pack Pricing - HD	5	GUH-10-14



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HD MODEL NOMENCLATURE

1,2,3	4,5,6	7	8	9,10	11,12
HD	75	A	S	01	11

1,2,3 - Product Type

HD - Power Vented Propeller Unit

4,5,6 - Furnace Input Rating

75 - 75,000 Btu/hr Input

7 - Heat Exchanger Type

A - Aluminized Steel

8 - Pilot Ignition

S - Direct Spark Ignition

9,10 - Motor and Drive Code (Power Code)

01 - 115V motor

11,12 - Gas and Valve/Ignition Control Type (Control Code)

11 - Natural, Single Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry



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GENERAL PERFORMANCE DATA



General Performance Data

Model	HD 75
At 0' Elevation	
Btu/Hr. Input	75,000
Btu/Hr. Output	60,000
Entering Airflow (CFM)	1160
Outlet Velocity	769
Air Temp. Rise (°F)	48
Mounting Height (Max Ft.) ¹	12
Heat Throw (Max. Mtg. Ft.) ²	38
Unit Total Power (Amps)	2.5

As Configured at 0-2000 Ft. Elevation

Btu/Hr. Input	75,000
Btu/Hr. Output	60,000
Configured Air Temp Rise (°F)	48

Motor Data

Horse Power	1/12
RPM	1625
Type	P.S.C.
Motor Amps at 115V	1.2

Clearances to Combustibles

Top and Bottom	1"
Vent Connector	4"
Access Side	18"
Non-Access Side	1"
Rear	18"

Mounting

Mounting brackets are slotted to accommodate joists on 16" or 24" centerlines.

¹ At 65°F ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit.

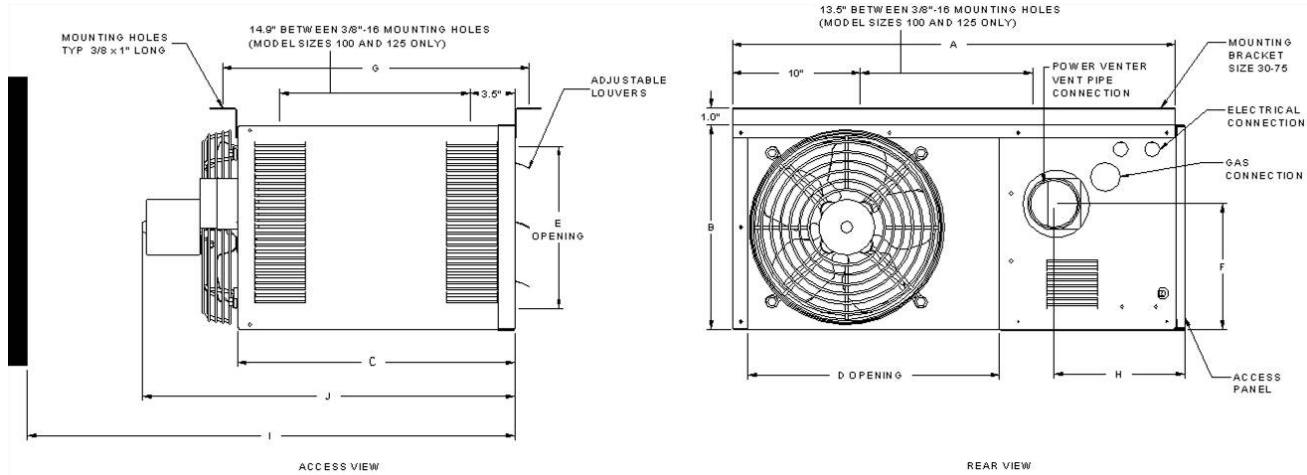
² Heat Throws are calculated at 65°F ambient with a 48°F air temperature rise with the unit mounted at a maximum mounting height of 12 feet.



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DIMENSIONS – UNIT

Model HD Dimensions



Model Size **HD75** Dimensions (in inches)

A	26.8
B	18
C	16.5
D	14.9
E	15.9
F	10.7
G	18.5
H	7.8
I	31
J	25
Vent Connector Diameter	3
Gas Connection Diameter	1/2
Fan Diameter	14
Approx. Shipping Weight	85 lbs.



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HD MODEL NOMENCLATURE

1,2,3	4,5,6	7	8	9,10	11,12
HD	100	A	S	01	11

1,2,3 - Product Type

HD - Power Vented Propeller Unit

4,5,6 - Furnace Input Rating

100 - 100,000 Btu/hr Input

7 - Heat Exchanger Type

A - Aluminized Steel

8 - Pilot Ignition

S - Direct Spark Ignition

9,10 - Motor and Drive Code (Power Code)

01 - 115V motor

11,12 - Gas and Valve/Ignition Control Type (Control Code)

11 - Natural, Single Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry



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GENERAL PERFORMANCE DATA



General Performance Data

Model	HD 100
At 0' Elevation	
Btu/Hr. Input	100,000
Btu/Hr. Output	80,000
Entering Airflow (CFM)	1490
Outlet Velocity	565
Air Temp. Rise (°F)	50
Mounting Height (Max Ft.) ¹	12
Heat Throw (Max. Mtg. Ft.) ²	42
Unit Total Power (Amps)	4.7

As Configured at 0-2000 Ft. Elevation

Btu/Hr. Input	100,000
Btu/Hr. Output	80,000
Configured Air Temp Rise (°F)	50

Motor Data

Horse Power	1/12
RPM	1100
Type	S.P.
Motor Amps at 115V	2.7

Clearances to Combustibles

Top and Bottom	1"
Vent Connector	4"
Access Side	18"
Non-Access Side	1"
Rear	18"

Mounting

Mounting brackets are slotted to accommodate joists on 16" or 24" centerlines.

¹ At 65°F ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit.

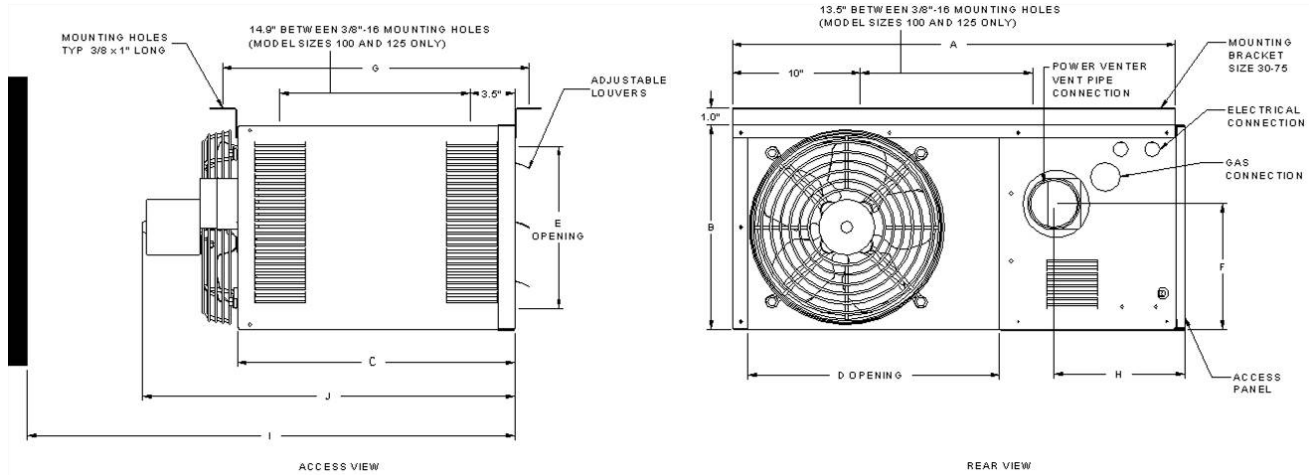
² Heat Throws are calculated at 65°F ambient with a 50°F air temperature rise with the unit mounted at a maximum mounting height of 12 feet.



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DIMENSIONS – UNIT

Model HD Dimensions



Model Size **HD100** Dimensions (in inches)

A	35.5
B	20.5
C	22
D	22.52
E	18.43
F	14
G	-
H	8.38
I	43
J	31
Vent Connector Diameter	4
Gas Connection Diameter	1/2
Fan Diameter	18
Approx. Shipping Weight	125 lbs.