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6-460.8

April, 2007

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 11/04/13

Certified for Residential and Commercial Use

SUBMITTAL DATA
ed 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	1/12	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
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

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SUBMITTAL DATA
po' gas-fired unit heaters
model HDB

ACCESS VIEW

REAR VIEW

Performance

Models		HDB60	HDB75	HDB100	HDB125
Btu/Hr Input		60,000	75,000	100,000	125,000
Btu/Hr Output		48,000	60,000	80,000	100,000
Air Flow CFM Range		635-1100	795-1390	1060-1850	1240-2050
Static Pressure (max)		0.7	0.7	0.8	0.8
Air Temp. Rise (°F)		40-70	40-70	40-70	45-75
Motor Speeds		3	3	3	3
Motor Data	Horsepower	1/4	1/3	1/2	1/2
	RPM	Max 1,100	Max 1,100	Max 1,100	Max 1,100
	Type	P.S.C.	P.S.C.	P.S.C.	P.S.C.
	Amps	5.4	7.1	9.5	9.5
Unit Total Amps		6.4	8.1	11.5	11.5
Vent Connector Size (in.)		3	3	4	4

Dimensions (inches)

Models	HDB 60	HDB 75	HDB100/125
A	26.8	26.8	35.5
B	18.0	18.0	20.5
C	16.5	16.5	22.0
D	14.9	14.9	22.5
E	15.9	15.9	18.4
F	10.7	10.7	14.0
G	18.5	18.5	24.0
H	7.8	7.8	8.4
Gas Connection	1/2	1/2	1/2
I	35.5	35.5	44.5
J	32.5	32.5	41.5
Blower	9 - 7	9 - 7	10 - 10
Approx.Shipping Weight (lbs.)	92	97	151

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	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
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

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SUBMITTAL DATA on gas-fired unit heaters model HDS

ACCESS VIEW

REAR VIEW

Performance

Models		HDS30	HDS45	HDS60	HDS75	HDS100	HDS125
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	1/12	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
Vent Connector Size (in.)		3	3	4	4	4	4

Dimensions (inches)

Models	HDS30	HDS45	HDS60	HDS75	HDS100/125
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	2.74	2.74	3.15	3.15	3.87
L	3.19	3.19	5.55	5.55	10.73
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	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
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

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SUBMITTAL DATA
ıstion blower gas-fired heaters — model HDC

ACCESS VIEW

REAR VIEW

Performance

Models		HDC60	HDC75	HDC100	HDC125
Btu/Hr Input		60,000	75,000	100,000	125,000
Btu/Hr Output		48,000	60,000	80,000	100,000
Air Flow CFM Range		635-1100	795-1390	1060-1850	1240-2050
Static Pressure (max)		0.7	0.7	0.8	0.8
Air Temp. Rise (°F)		40-70	40-70	40-70	45-75
Motor Speeds		3	3	3	3
Motor Data	Horsepower	1/4	1/3	1/2	1/2
	RPM	Max 1,100	Max 1,100	Max 1,100	Max 1,100
	Type	P.S.C.	P.S.C.	P.S.C.	P.S.C.
	Amps	5.4	7.1	9.5	9.5
Unit Total Amps		6.4	8.1	11.5	11.5
Vent Connector Size (in.)		4	4	4	4

Dimensions (inches)

Models	HDC 60	HDC 75	HDC100/125
A	26.8	26.8	35.5
B	18.0	18.0	20.5
C	16.5	16.5	22.0
D	14.9	14.9	22.5
E	15.9	15.9	18.4
F	10.8	10.8	14.0
G	18.5	18.5	24.0
H	7.8	7.8	8.4
Gas Connection	1/2	1/2	1/2
I	35.5	35.5	44.5
J	32.5	32.5	41.5
K	3.15	3.15	3.87
L	5.55	5.55	10.73
Blower	9 - 7	9 - 7	10 - 10
Approx.Shipping Weight (lbs.)	92	97	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	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
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

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