



UHA[S]-Series

RapidTM *Engineering*








Axial Fan Tubular Unit Heaters

UHA[S] Models 150 - 400



UHA[S] Models 30 - 125



-  Reliable ignition with direct spark ignition burners.
-  Minimize summer heat build-up with remote fan operation.
-  Longer life and less maintenance with optional stainless steel heat exchangers.
-  Variable air throw direction with adjustable horizontal louvers and optional adjustable vertical louvers.
-  Reduce dirt build-up on burners and extend life of heat exchanger with separated combustion units.
-  Installation and operation flexibility with rear or top air and flue connections (Models UHA[S] 30 - 125 only).
-  Ideal for smaller spaces with low profile design (Models UHA[S] 30 - 125 only).

1.800.536.3461
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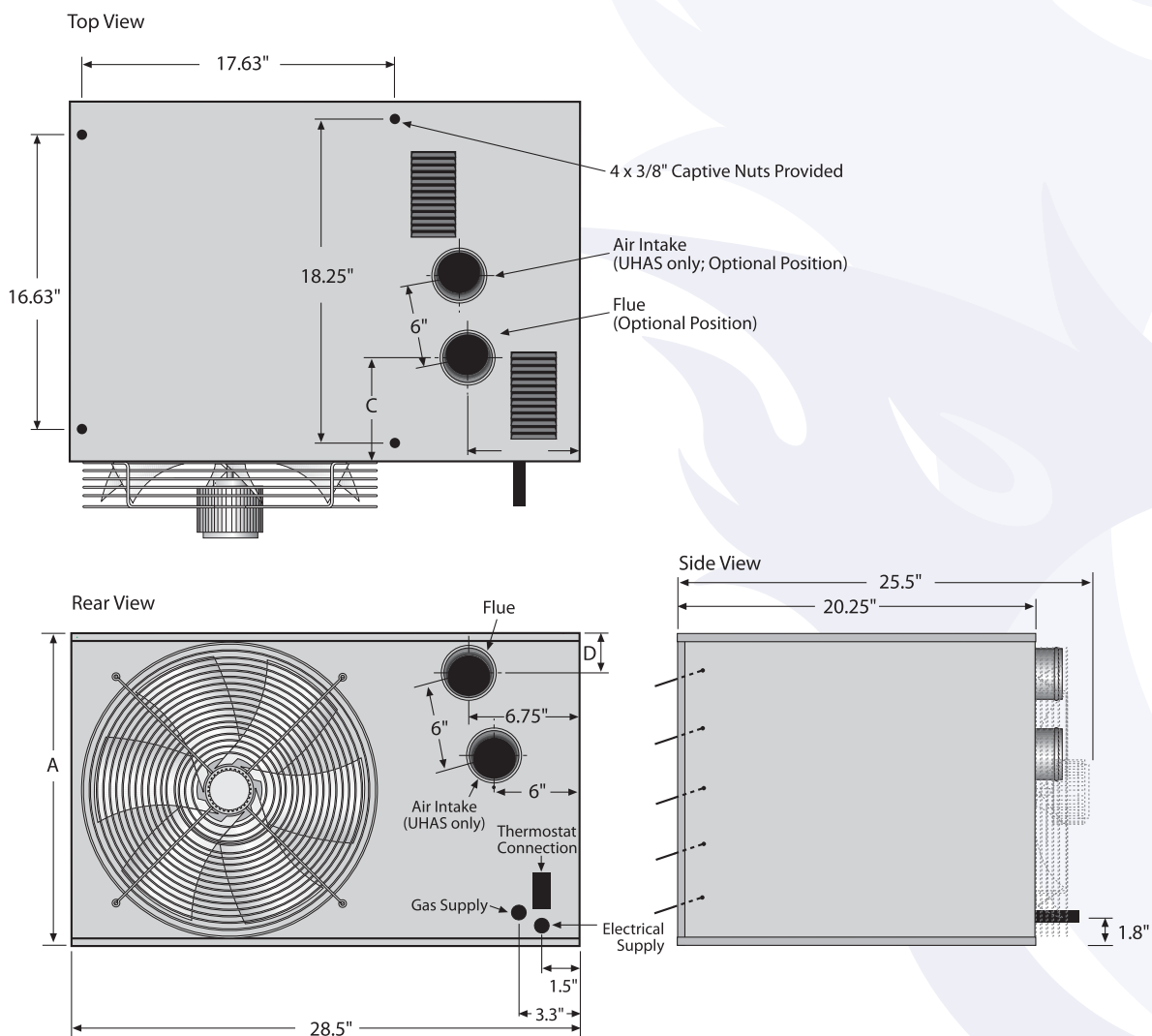
RAPID™ UHA(S) 30-125 Clearance and Dimension Data

Clearances to Combustibles - Low Profile UHA[S] Range (Models 30 - 125)

Above Heater	Below Heater	To Side of Heater	To Rear of Heater	To Front of Heater	Access Side Door	To Flue
6"	3"	6"	24" Airflow Clearance	118"	31" Access Clearance	2"

Dimension Data - Low-Profile UHA[S] Range (Models 30 - 125)

Model	30	45	60	75	100	125
'A' Height (in)	12	12	17.75	17.75	23	23
'C' Center of Flue (Top Option) (in)	5.2	5.2	5.2	5.2	6.9	6.9
'D' Center of Flue (in)	2.5	2.5	2.5	2.5	2.5	2.5
Recommended Mounting Height to Heater Base (ft)	10	10	12	12	20	20



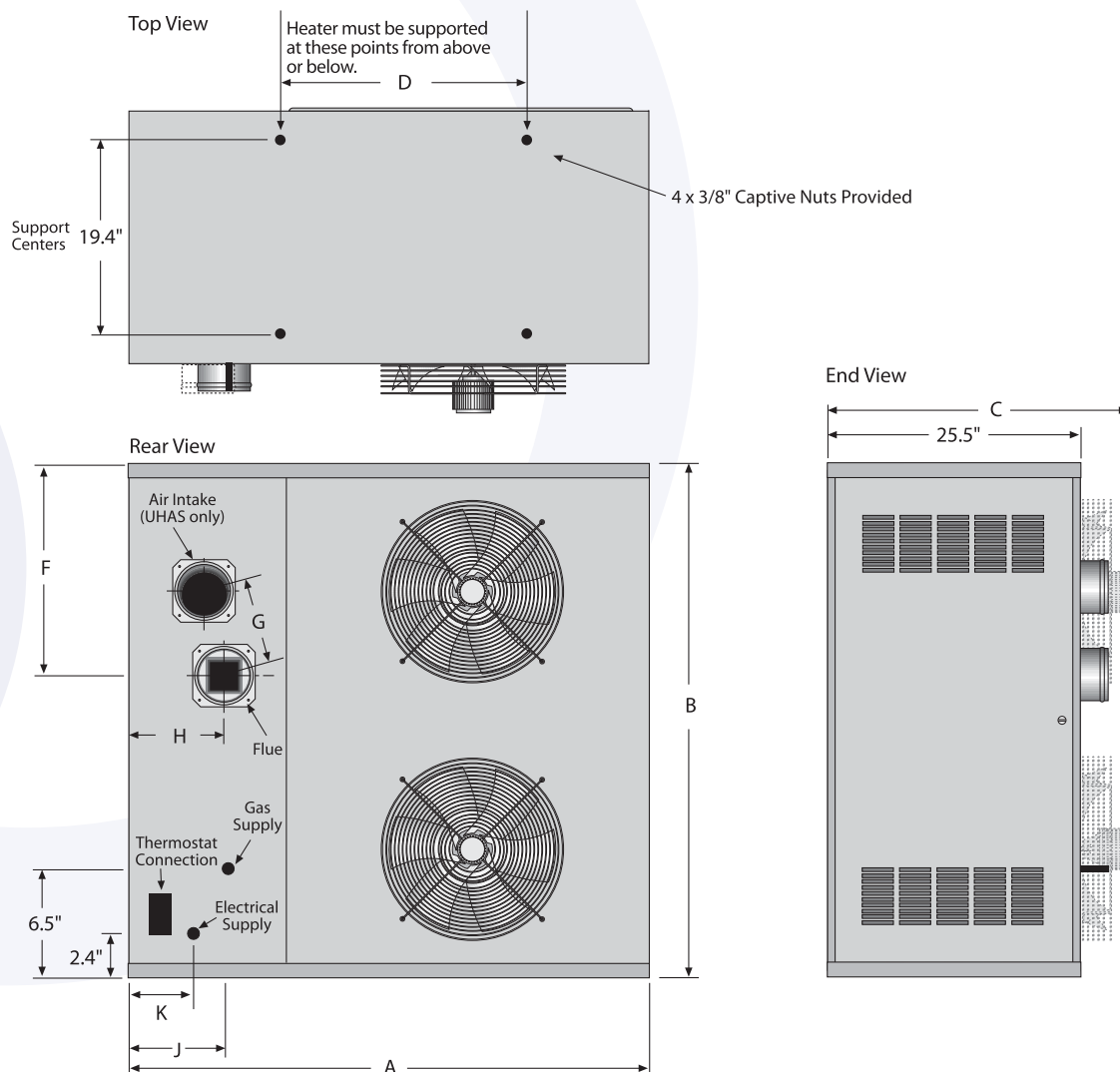
RAPID™ UHA(S) 150-400 Clearance and Dimension Data

Clearances to Combustibles -Standard UHA[S] Range (Models 150 - 400)

Above Heater	Below Heater	To Side of Heater	To Rear of Heater	To Front of Heater	Access Side Door	To Flue
6"	3"	6"	24" Airflow Clearance	118"	31" Access Clearance	2"

Dimension Data - Standard UHA[S] Range (Models 150 - 400)

Model	150	175	200	225	250	300	350	400
'A' Width (in)	43	43	43	43	43	50	50	50
'B' Height (in)	27	27	35.25	35.25	35.25	43.5	43.5	43.5
'C' Depth (in)	30	30	32	32	32	30	30	30
'D' Support Spacing (in)	17.6	17.6	17.6	17.6	17.6	24.7	24.7	24.7
'F' Center of Flue (in)	9.5	9.5	17	17	17	13.6	13.6	13.6
'G' Flue Center to Air Intake Center (in)	6	6	6	6	6	7	7	7
'H' Position of Flue (in)	4.5	4.5	4.75	4.75	4.75	4.9	4.9	4.9
'J' Gas Inlet Position (in)	5.9	5.9	5.9	5.9	5.9	8.7	8.7	8.7
'K' Electrical Supply Position (in)	3.4	3.4	3.4	3.4	3.4	6.2	6.2	6.2
Maximum Recommended Mounting Height to Heater Base (ft)	20	20	25	25	25	30	30	30



RAPID™ UHA(S)-Series Technical Data

Model	30	45	60	75	100	125	150	175	200	225	250	300	350	400
Total Input (Btu/h) x (1000)	30	45	60	75	100	125	150	175	200	225	250	300	350	385
Total Output (Btu/h) x (1000)	24.6	36.9	49.2	61.5	82	102.5	123	143.5	164	184.5	205	246	288.6	315.7
Efficiency	82% - All Models													
Number of Burners	2	3	4	5	6	7	7	8	9	10	11	12	14	14
Gas Connection (in)	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Inlet Pressure (in wc) NG Min. LPG Propane Min. NG & LP Propane Max.	5 - All Models 12 - All Models 14 - All Models													
Electrical Supply	115 V / 60 Hz / 1 Ø - All Models													
Full Load Amps @ 115 V	3.0	3.0	4.1	4.1	5.8	5.8	7.1	7.1	10.6	10.6	10.6	11.6	11.6	11.6
Air Volume (CFM)	691	691	1376	1376	1902	1902	2245	2245	3716	3716	3716	4663	4663	4663
Recommended Maximum Mounting Height (ft)	12	12	15	15	20	20	20	20	25	25	25	30	30	30
Number of Axial Fans	1	1	1	1	1	1	1	1	1	1	1	2	2	2
Axial Fan Diameter (in)	10	10	16	16	16	16	16	16	19.7	19.7	19.7	16	16	16
Horsepower	.06	.06	.08	.08	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4
Fan Motor Amps @ 115 V	1.8	1.8	2.6	2.6	4.3	4.3	4.3	4.3	4.7	4.7	4.7	8.6	8.6	8.6
Fan Motor RPM	1630	1630	1030	1030	1175	1175	1200	1200	1085	1085	1100	1155	1155	1155
Fan Motor Type	SP	SP	SP	SP	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
Flue Size (in)	4 - All Models													
Combustion Air Size (in)	4	4	4	4	4	4	4	4	4	4	4	5	5	5
Weight (lb)	65	70	85	90	105	110	205	225	255	265	270	355	375	375

Important Notice

The equipment described in this Data Sheet is suitable for most commercial and industrial heating applications.

However, in certain environments, particularly where there is a chlorinated atmosphere (e.g. near degreasing plant or other solvent processes) or a particularly dusty atmosphere, specialist advice should be sought at the design stage.

Rapid Engineering reserves the right to alter product specification details without notice.

Installation Code and Annual Inspections:

All installations and service of RAPID™ products must be performed by a contractor qualified in the installation and service of products sold and supplied by Rapid Engineering and conform to all requirements set forth in the Rapid Engineering manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Rapid Engineering recommends that a qualified contractor annually inspect your RAPID™ products and perform service where necessary, using only replacement parts sold and supplied by Rapid Engineering.

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through RAPID™ representatives. Please contact us for any further information you may require, including the Installation, Commissioning, Operation and Service Manual.

These products are not for residential use, except models UHA(S) 30 - UHA(S) 75.

This document is intended to assist licensed professionals in the exercise of their professional judgement.

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