

Combat[®] Axial Fan Tubular Unit Heaters



◀ UHA Models 30 - 125

UHA Models 150 - 400 ▶



- 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 30 - 125 only).
- Ideal for smaller spaces with low profile design (Models UHA 30 - 125 only).

Quality in Any Language™

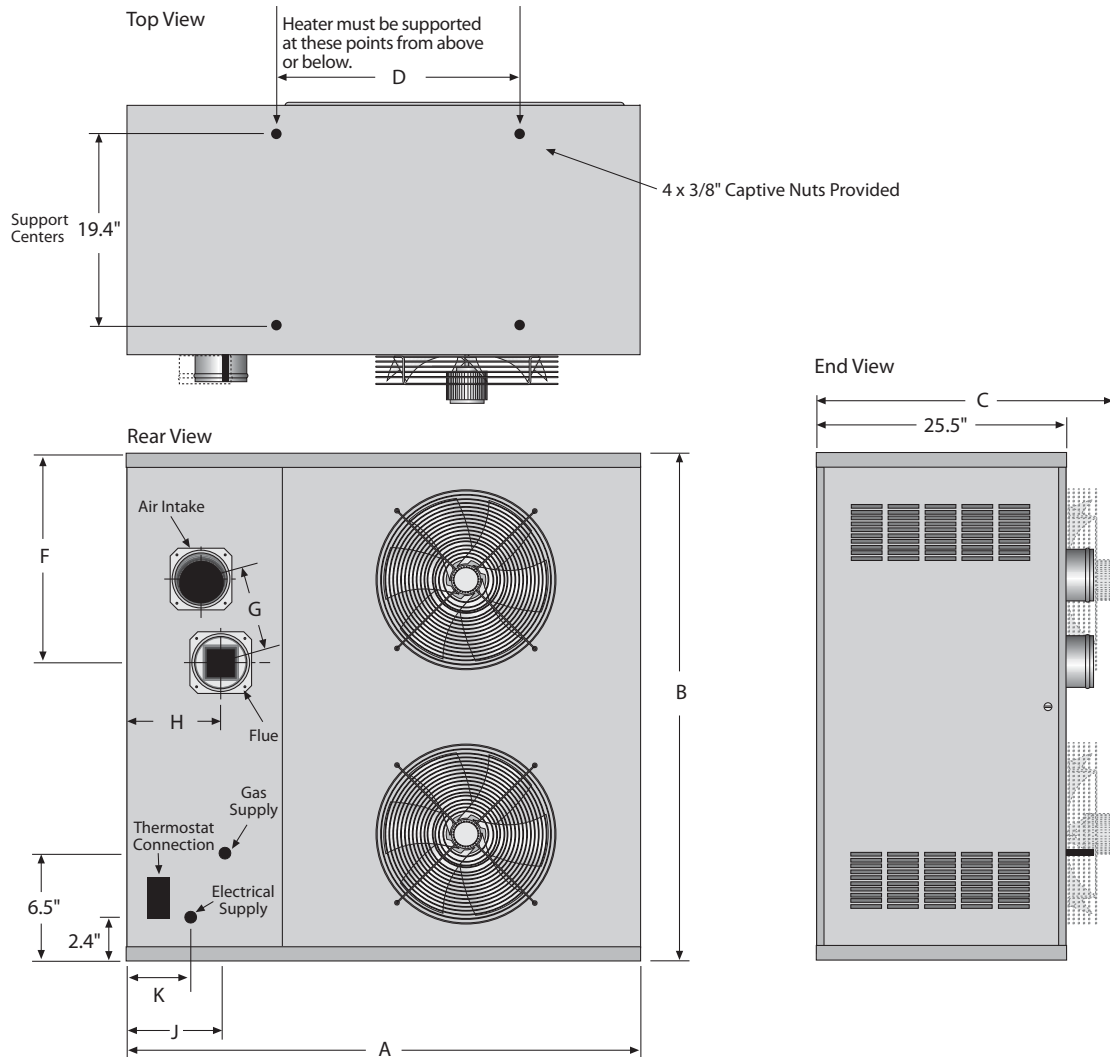


Clearances to Combustibles - Standard UHA Range (Models 150 - 400)

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

Dimension Data - Standard UHA 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 |
| Max. Recommended Mounting Height to Heater Base | [ft] | 20 | 20 | 25 | 25 | 25 | 30 | 30 | 30 |

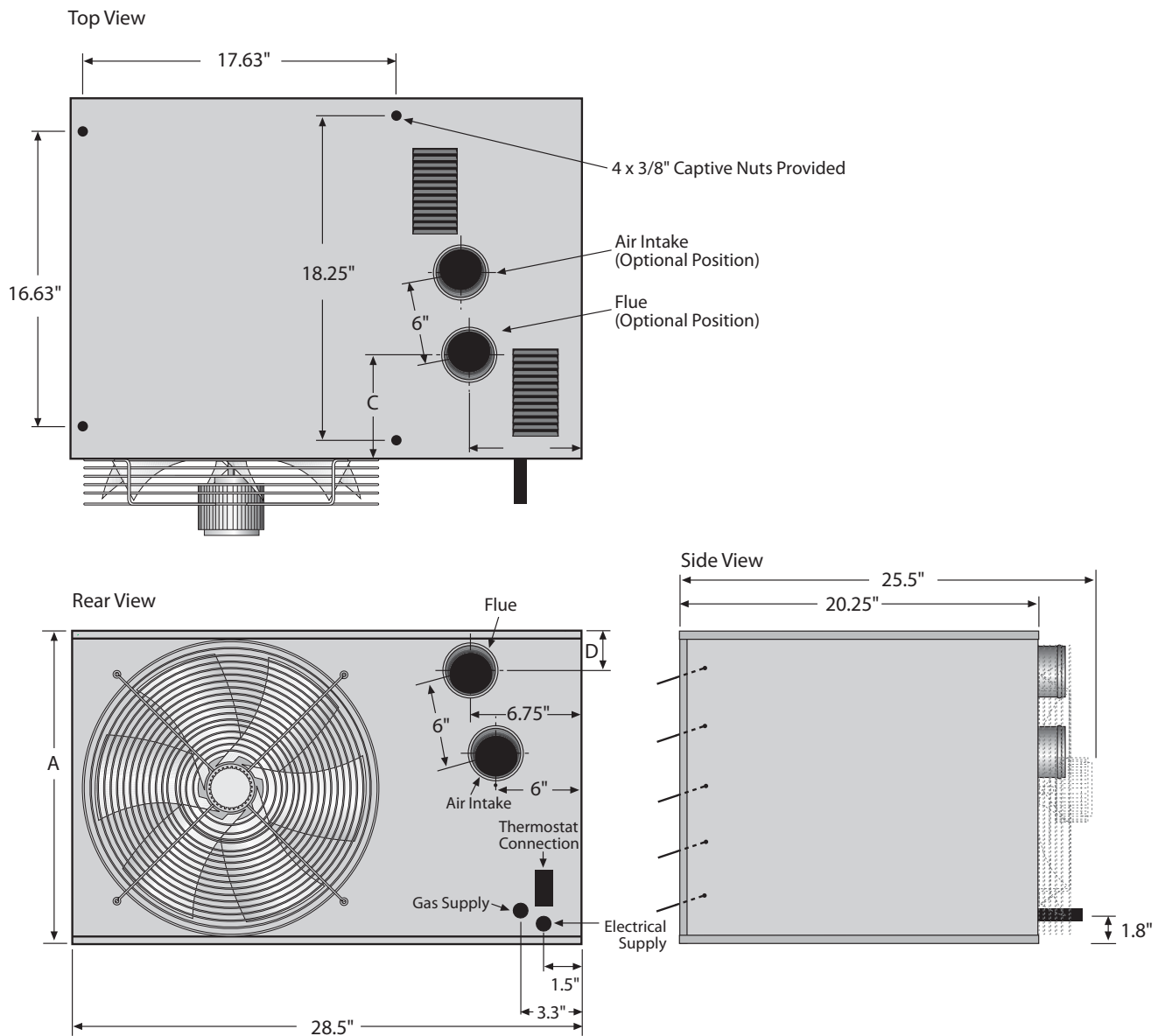


Clearances to Combustibles - Low Profile UHA Range (Models 30 - 125)

| Above Heater | Below Heater | To Side of Heater | To Rear of Heater | To Front of Heater | Access Side Door | To Flue |
|--------------|--------------|-------------------|-----------------------|--------------------|----------------------|---------|
| 1" | 0" | 1" | 18" Airflow Clearance | 118" | 18" Access Clearance | 2" |

Dimension Data - Low-Profile UHA 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 |



Technical Data Tables

| 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% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% | 82% |
| Number of Burners | | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 14 |
| Gas Connection | [in] | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ¾ | ¾ | ¾ | ¾ | ¾ |
| Full Load Amps @ 115 V | | 3.0 | 3.0 | 4.1 | 4.1 | 5.8 | 5.8 | 5.8 | 5.8 | 10.6 | 10.6 | 10.6 | 11.6 | 11.6 | 11.6 |
| Air Volume | [CFM] | 691 | 1376 | 1376 | 1902 | 1902 | 2245 | 2245 | 3716 | 3716 | 3716 | 3716 | 4663 | 4663 | 4663 |
| Air Throw @ 8 ft Mounting Height | [CFM] | 25 | 25 | 40 | 40 | 50 | 50 | 80 | 80 | 90 | 90 | 90 | 100 | 100 | 100 |
| 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 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. Roberts-Gordon reserves the right to alter product specification details without notice.

Installation Code and Annual Inspections:

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

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

This product is not for residential use.

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

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