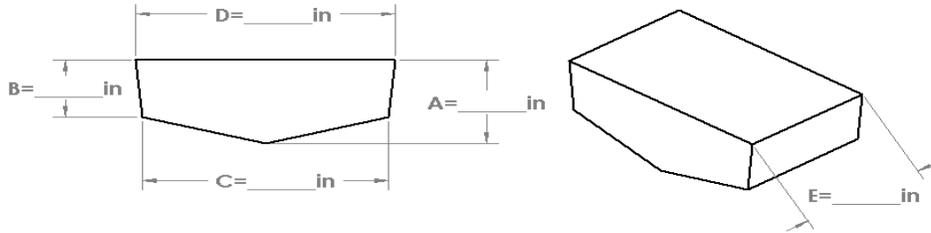




## GA1 FK-5-1-12 ENGINE ROOM WORKSHEET

Fireboy-Xintex will certify the volume of the engine room from manufacturer CAD drawing including volume calculations, or from a completed Engine Room Volume Worksheet



MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ YEAR \_\_\_\_\_

MEASURED BY \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Print \_\_\_\_\_

### Gross Engine Room Volume

$$\frac{\text{A} + \text{B}}{2} \times \text{C} = \text{Area 1}$$

$$\frac{\text{D} - \text{C}}{2} \times \text{B} = \text{Area 2}$$

MODEL REQUIRED: \_\_\_\_\_

Additional Volume(s)  $\times \text{E}$   
 $\downarrow$   
 $\text{in}^3$   
 $+$   $\text{in}^3$   
 $\downarrow$   
 $\text{in}^3$   
 $\div 1728$   
 $\text{ft}^3$

Gross Engine Room Volume = \_\_\_\_\_  $\text{ft}^3$

Tank Description	Fixed Tank Deductions - Fuel - Water- Waste				
_____	_____ in	$\times$	_____ in	$\times$	_____ in = _____ $\text{in}^3 \div 1728 =$ _____ $\text{ft}^3$
	Length		Width		Depth
_____	_____ in	$\times$	_____ in	$\times$	_____ in = _____ $\text{in}^3 \div 1728 = +$ _____ $\text{ft}^3$
	Length		Width		Depth
_____	_____ in	$\times$	_____ in	$\times$	_____ in = _____ $\text{in}^3 \div 1728 = +$ _____ $\text{ft}^3$
	Length		Width		Depth
					Gross Tank Volume = _____ $\text{ft}^3$

Gross Engine Room Volume - Gross Tank Volume = Net Engine Room Volume  
 \_\_\_\_\_  $\text{ft}^3$  - \_\_\_\_\_  $\text{ft}^3$  = \_\_\_\_\_  $\text{ft}^3$

**USCG & ABYC ALLOWS DEDUCTIONS FOR FIXED TANKS BY BOAT MANUFACTURERS ONLY. NOTE: ENGINE VOLUME CANNOT BE DEDUCTED**

### Engine Room Area

$$\frac{\text{_____ in}}{D} \times \frac{\text{_____ in}}{E} = \text{_____ in}^2 \div 144 = \text{_____ ft}^2$$

Models 600-2000 Maximum Approved Area: 303 ft<sup>2</sup>

### Engine Room Height

$$\frac{\text{_____ in}}{A} \div 12 = \text{_____ ft}$$

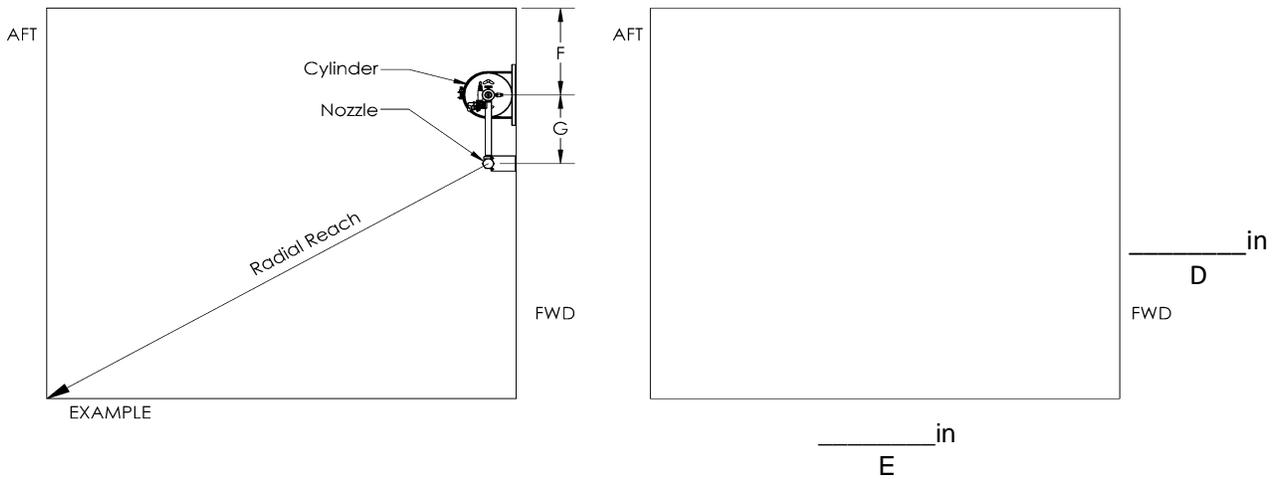
Models 600-2000 Approved Ceiling Height: 4.0 ft to 12.6 ft

### Discharge Nozzle Height

Distance from ceiling to discharge nozzle \_\_\_\_\_ in

Maximum Approved distance: 24 in

### Location of Cylinders & Nozzle Configuration



Indicate Cylinder Location in blank diagram above

F = Distance to nearest wall (Informational Only) \_\_\_\_\_ ft  
F

Models 600-2000 Maximum Approved Radial Reach: 19.4 ft  
Entire Area must be covered by the Radial Reach of the Nozzle

Area Covered (Y/N?) \_\_\_\_\_

### Discharge Piping Lengths

$$\begin{aligned} H &= \text{Pipe Length between GA1 Valve and Elbow} && \text{_____ in} \\ &&& G \\ J &= \text{Pipe Length between Elbow and Discharge Nozzle} && + \text{_____ in} \\ &&& H \\ &&& = \text{_____ in} \\ &&& \text{Total} \end{aligned}$$

Minimum Approved Length: 4 in  
Maximum Approved Length: 72 in  
Maximum Approved Total Length: 76 in