HULL ENGINE ROOM VOLUME 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 ____________________________

Gross Engine Room Volume

\[ \frac{A + B}{2} \times C = \text{in}^2 \]

\[ \text{in} - \frac{D}{B} \times \text{in} = \text{in}^2 \]

MODEL REQUIRED: ____________________________

\[ \times \text{in} \]

\[ \downarrow \text{in}^3 \]

\[ \div 1728 \]

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

<table>
<thead>
<tr>
<th>Tank Description</th>
<th>Fixed Tank Deductions - Fuel - Water - Waste</th>
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Gross Engine Room Volume \(-\) Gross Tank Volume = Net Engine Room Volume

\[ \text{ft}^3 \] \(-\) \[ \text{ft}^3 \] = \[ \text{ft}^3 \]

ABYC ALLOWS DEDUCTIONS FOR FIXED TANKS ONLY

NOTE: ENGINE VOLUME CANNOT BE DEDUCTED.
Engine Room Area

\[ \text{_____ in} \times \text{_____ in} = \text{_____ in}^2 \div 144 = \text{_____ ft}^2 \]

Models 025-300 Maximum Approved Area: 89.3 ft\(^2\)
Models 325-700 Maximum Approved Area: 144 ft\(^2\)
Models 750-1500 Maximum Approved Area: 303 ft\(^2\)

Engine Room Height

\[ \text{_____ in} + 12 = \text{_____ ft} \]

Models 025-300 Approved Ceiling Height: 2.2 ft to 6.3 ft
Models 325-700 Approved Ceiling Height: 3.0 ft to 7.0 ft
Models 750-1500 Approved Ceiling Height: 4.0 ft to 9.0 ft

Discharge Nozzle Height

Distance from ceiling to discharge nozzle: _____ in

Maximum Approved distance: 20 in

Location of Cylinder

EXAMPLE

Indicate Cylinder Location in blank diagram above

"F" = Distance to nearest wall

\[ \text{_____ ft} \]

"G" = Distance to furthest corner (Maximum Radial Reach)

\[ \text{_____ ft} \]

Models 025-300 Maximum Approved Radial Reach: 10.6 ft
Models 325-700 Maximum Approved Radial Reach: 13.4 ft
Models 750-1500 Maximum Approved Radial Reach: 19.4 ft