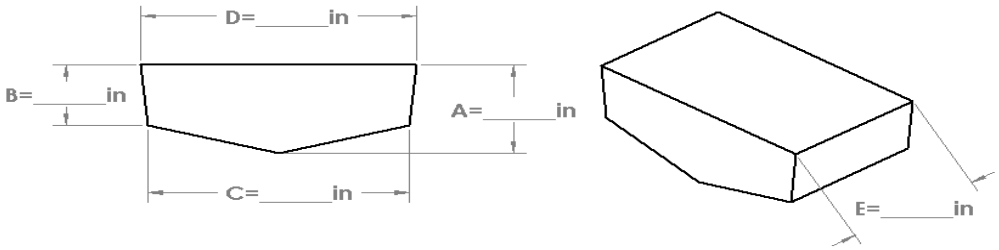
GA2 FK-5-1-12 ENGINE ROOM WORKSHEET

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

_____in (A) + _____in (B) = _____in ÷ 2 = _____in × _____in (C) = _____in^2

_____in (D) − _____in (C) = _____in ÷ 2 = _____in × _____in (B) = + _____in^2

↓

_____in^2

MODEL REQUIRED: _____ × _____in (E)

↓

_____in^3

Additional Volume(s) + _____in^3

↓

_____in^3

GA2 Maximum Protected Volume = 4000 cu.ft. _____in^3

↓ ÷ 1728

Gross Engine Room Volume = _____ft^3

Fixed Tank Deductions - Fuel - Water- Waste

Tank Description						
_____	_____in (Length) × _____in (Width) × _____in (Depth) = _____in^3	÷ 1728	=	_____ft^3		
_____	_____in (Length) × _____in (Width) × _____in (Depth) = _____in^3	÷ 1728	= +	_____ft^3		
_____	_____in (Length) × _____in (Width) × _____in (Depth) = _____in^3	÷ 1728	= +	_____ft^3		
			↓			
		Gross Tank Volume	=	_____ft^3		

Gross Engine Room Volume	−	Gross Tank Volume	=	Net Engine Room Volume
_____ft^3	−	_____ft^3	=	_____ft^3

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

Engine Room Area

_____in (D) × _____in (E) = _____in^2 ÷ 144 = _____ft^2

Models 1200-4000 Maximum Approved Area: 606 ft^2

Engine Room Height

_____in (A) ÷ 12 = _____ft

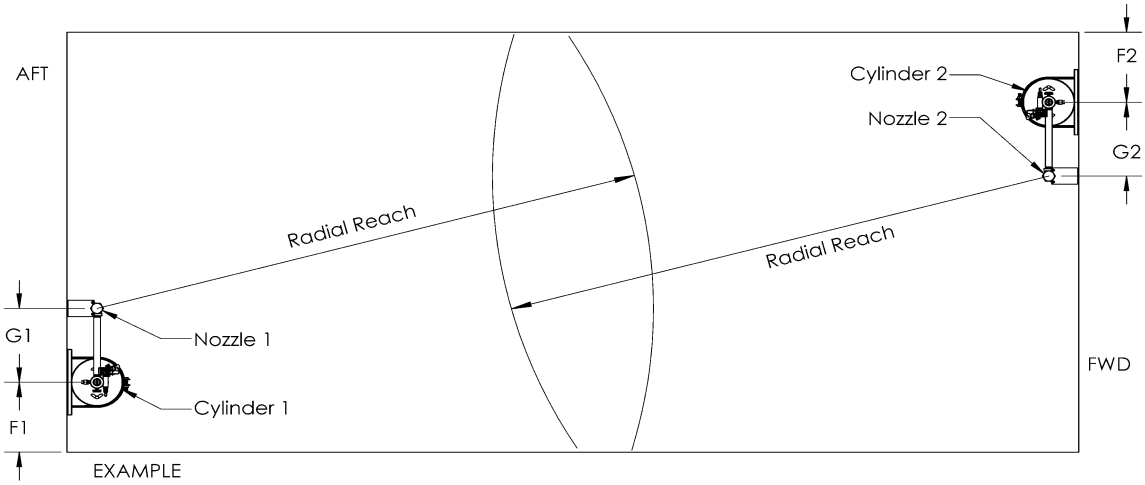
Models 1200-2000 Approved Ceiling Height: 4.0 ft to 12.6 ft

Discharge Nozzle Height

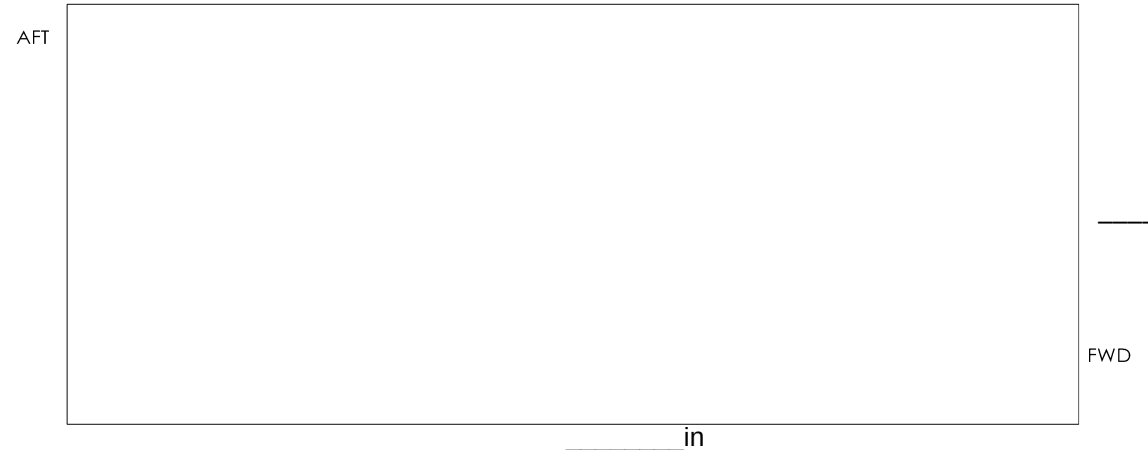
Distance from ceiling to discharge nozzle _____in

Maximum Approved distance: 24 in

Location of Cylinders & Nozzle Configuration



EXAMPLE



_____in (D)

_____in (E)

Indicate Cylinder Location in blank diagram above Cylinder 1 Cylinder 2

F = Distance to nearest wall (Informational Only) _____ft, _____ft (F1, F2)

Models 1200-4000 Maximum Approved Radial Reach per cylinder: 19.4 ft
Entire Area must be covered by the combined Radial Reach of the Nozzles

Area Covered (Y/N?) _____

Discharge Piping Lengths

		Cylinder 1	Cylinder 2
G = Pipe Length between GA2 Valve and Elbow		_____in, G1	_____in G2
H = Pipe Length between Elbow and Discharge Nozzle	+	_____in, H1	_____in H2
	=	_____in, Total	_____in Total

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