

A	depth of main roof	7.945
B	height of main roof	3.06
C	Ridge to eaves in plan	3.97
D	Projection of rear dormer	3.79
E	Height of rear dormer	2.65
F	Width of rear dormer	6.22

Formula	$V = D \times E / 2 \times FF$	dormer
	$V = A \times 1/2 B \times 1/3 C$	Hip

volum of rear dormer	31.23529 m3
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volum of hip to gable	16.08624 m3
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Total	47.32 m3
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overall length of gable

from existing ridge at hip level to new gable wall