

Loft Conversion Volume Calculation

Address : 112 FINDON ROAD, FINDON

Date : 26th March 2026

Volume of full hip to gable roof extension

A	width of roof / house	6.90	m
B	height of roof	2.76	m
C	length of new ridge	3.60	m

Volume of the triangular prism (width A x height B x length C / 6)

$$6.9\text{m} \times 2.76\text{m} \times 3.6\text{m} / 6 = 11.43 \text{ m}^3$$

Volume of dormer (length D x height E x depth F / 2)

D	length of dormer	=	6.40	m
E	height of dormer	=	2.25	m
F	depth of dormer	=	3.30	m

$$6.4\text{m} \times 2.25\text{m} \times 3.3\text{m} / 2 = 23.76 \text{ m}^3$$

$$\text{Total volume of full gable + rear dormer} = 35.19 \text{ m}^3$$

Permitted Development rules

Detached and Semi Detached - max. volume

50m³ max.

Terraced - max. volume

40m³ max.

Dormer to be set back min. 200mm from eaves

All materials to match the existing

No part to exceed the highest ridge

Side windows to have obscure glazing and fixed up to 1.7m above floor level

No roof extensions to the front of the dwelling

Velux rooflights not to protrude more than 150mm