5 Clayton Way

Volume of dormer window

	Length	1/2 height	Area
Area of end x length			
Area of end =	3.755	1.311	4.921 sq.m
Length of roof =	6.111 m		
Volume of dormer window =	30.072 cu.m		

Volume of Hip to gable change

Volume = Volume of gable -1/2 a pyramid

Equation for pyramid =   area of base x 1/3 height

Volume of gable roof =   Area of triangular end x length of roof

Area of end =	Length	1/2 height	Area
	7.750	1.467	11.369 sq.m
Length of roof =	6.106 m		
Volume of gable roof =	69.421 cu.m		

Volume of hipped roof =   part of gable roof + 1/2 pyramid

Length of gable part of roof =   2.163 m

Volume of gable part =   24.592 cu.m

Remaining length of roof =   3.943

Volume of half pyramid =   29.886 cu.m

Total volume of hipped roof =   54.478 cu.m

Volume of hipped to gable conversion =   14.943 cu.m

Total volume of hip to gable conversion and dormer   45.015 cu.m