

Project Ref: 7 Darnley Road
Revision: Rev 03
Title: Residential MVHR Calculations - Building Regulations Part F 2013

7 Darnley Road														
Floor Reference	Room Reference	Area	Supply	Extract	Extract Min High Rate		Supply (L/s)				Extract (L/s)			
					Room Type	Flow Rate	Trickle (min)	Trickle (design)	Boost (min)	Boost (design)	Trickle (min)	Trickle (design)	Boost (min)	Boost (design)
Ground	Living Room	18.5	Yes	No	-	-	11	13	19	21	-	-	-	-
	Kitchen	6.3	No	Yes	Kitchen	13	-	-	-	-	8	8	13	13
	Shower Room	2.5	No	Yes	Bathroom	8	-	-	-	-	5	5	8	8
First	Bedroom	10.8	Yes	No	-	-	7	8	11	13	-	-	-	-
	Bathroom	2.3	No	Yes	Bathroom	8	-	-	-	-	5	5	8	9
						29 L/s	18 L/s	21 L/s	30 L/s	34 L/s	18 L/s	18 L/s	29 L/s	30 L/s

Number of Bedrooms	1
Min Whole Dwelling Extract Rate	29 L/s
Min Whole Dwelling Rate (bedrooms)	13 L/s
Whole Area	55 m ²
Min Whole Dwelling Rate (area)	17 L/s

Minimum Dwelling Trickle Rate	17 L/s
Minimum Dwelling Boost Rate	29 L/s

Rounded Minimum Dwelling Trickle Rate	18 L/s
Rounded Minimum Dwelling Boost Rate	30 L/s

Automatic boost/boost button required

Design minimum trickle rate: 18 L/s
Design minimum boost rate: 30 L/s

To ensure the property is positively pressurised, the supply air flow rate shall be 10% greater than the extract air flow rate. These values have been entered into the 'design' column in the table above, highlighted in grey colour.

Supply trickle: 21 L/s
Extract trickle: 18 L/s
117% positively pressurised

Supply boost: 34 L/s
Extract boost: 30 L/s
113% positively pressurised