

Project Details (optional)	
Installation address	7 Dairy Farm Ashton Keynes
Heat pump make & model	Vaillant aroTHERM plus range
Heat pump installation location	External to the right hand side of door DG 04

Step		Assessment Position 1	Assessment Position 2	Assessment Position 3	Assessment Position 4
1	Date calculation undertaken	11/03/2026	11/03/2026	11/03/2026	11/03/2026
2	Description of assessment position	To right adjacent DG 04 Vaillant aroTHERM plus I (VWL 35/6 A 230V S2)	To right adjacent DG 04 Vaillant aroTHERM plus II (VWL 65/6 A 230V S2)	To right adjacent DG 04 Vaillant aroTHERM plus IV (VWL 105/6 A S2)	To right adjacent DG 04 Vaillant aroTHERM plus V (VWL 105/6 A S2)
3	A-weighted sound power level, dB(A)	54	55	51	51
4	Determination of directivity (Q) - select number of reflective surfaces	one reflective surface	one reflective surface	one reflective surface	one reflective surface
5	Distance from heat pump to assessment positions, in m	1.4	1.4	1.4	1.4
6	Determination of barrier correction - select barrier type	solid wall (mass >=10kg/m2)	solid wall (mass >=10kg/m2)	solid wall (mass >=10kg/m2)	solid wall (mass >=10kg/m2)
	Determination of barrier correction - select line of sight	no view	no view	no view	no view
7	Calculate sound pressure level	33.1	34.1	30.1	30.1
8	Pass/fail noise limit of 37.0 dB(A)	pass	pass	pass	pass