



## Acoustic Calculations

Project:	Cressy Rd	Our Ref:	2202021-5
Sound Source:	Condensers	Date:	14 February 2022
Sheet No:	1	Consultant:	AJH

Octave Band Centre Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	A
Condenser #1 (AOG12LALL) SPL	54	48	46	48	47	42	33	25	<b>50</b>
Distance 5.5 m	15	15	15	15	15	15	15	15	
Line of sight	0	0	0	0	0	0	0	0	
Condenser #1 at bedroom window	39	33	31	33	32	27	18	10	<b>36</b>
Condenser #2 (AOYG09LMCA) SPL	49	47	48	42	39	38	34	26	<b>46</b>
Distance 5.5 m	15	15	15	15	15	15	15	15	
Line of sight	0	0	0	0	0	0	0	0	
Condenser #2 at bedroom window	34	32	33	27	24	23	19	11	<b>31</b>
Combined SPL at bedroom window	40	36	35	34	33	29	22	14	<b>37</b>
Acoustic Louvre Type G540	5	8	14	27	38	40	33	31	
BS4142 Acoustic correction (Hum)	3	3	3	3	3	3	3	3	
Result	38	31	24	10	-2	-8	-8	-14	<b>19</b>
<b>London Borough of Camden Noise Criteria for new plant</b>									<b>22</b>
									<b>Pass</b>
Attenuator Type 30/900	7	10	16	29	44	40	29	22	
Acoustic correction	3	3	3	3	3	3	3	3	
Result	36	29	22	8	-8	-8	-4	-5	<b>17</b>
<b>London Borough of Camden Noise Criteria for new plant</b>									<b>22</b>
									<b>Pass</b>
Acoustic Panel Work Type PS50	19	19	25	31	40	42	45	41	
Acoustic correction	3	3	3	3	3	3	3	3	
Result	24	20	13	6	-4	-10	-20	-24	<b>9</b>
<b>London Borough of Camden Noise Criteria for new plant</b>									<b>22</b>
									<b>Pass</b>