

Noise Estimates - 57 Basingstoke Road, Reading

Extract System

Attenuator Type and size2 D podded 500 diameter x 1000

FanSystemair MUB 042 450 E4

Length of duct3 metres
Number of bends0 bends

	Hz 63	Hz 125	Hz 250	Hz 500	Hz 1k	Hz 2k	Hz 4k	Hz 8k	dB(A) Av	
Fan Lw at face of fan	64	66	70	72	71	68	63	56	75.1	
Attenuation from 3m of duct	-2.1	-2.1	-0.9	-0.6	-0.6	-0.6	-0.6	-0.6		
Attenuation from 0 x square bends		0	0	0	0	0	0	0		
Insertion loss from attenuator	-4	-10	-15	-22	-29	-30	-29	-22		
Net	57.9	53.9	54.1	49.4	41.4	37.4	33.4	33.4	50.4	

Supply System

FanSystemair AR Sileo 450

Attenuator Type and size1 D podded 500 diameter x 500

Length of duct3 metres
Number of bends1 bends

	Hz 63	Hz 125	Hz 250	Hz 500	Hz 1k	Hz 2k	Hz 4k	Hz 8k	dB(A) Av	
Fan Lw at face of fan	20	42	53	64	68	68	65	58	73.0	
Attenuation from 3m of duct	-2.1	-2.1	-0.9	-0.6	-0.6	-0.6	-0.6	-0.6		
Attenuation from 1 x square bends	-3	-3	-3	-3	-3	-3	-3	-3		
Insertion loss from attenuator	-2	-7	-9	-17	-24	-24	-20	-16		
Net	12.9	29.9	40.1	43.4	40.4	40.4	41.4	38.4	47.8	