

Predicted Noise Levels

Note - The figures provided can only be taken as general estimates. A more accurate prediction will require input from an acoustic engineer.

Site	Dandy Highwayman - E23543								
Extract System									
Fan Size and type	Systemair MUB 042 500 E4								
Attenuator Type and size	Acoustica R02-5 / 585 X 585								
Predicted Noise Level at NSR	5 metres away								
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	dB(A)
	63	125	250	500	1k	2k	4k	8k	Av
Fan Lw at face of fan	48	67	70	75	79	78	75	66	83.4
Distance attenuation	-22	-22	-22	-22	-22	-22	-22	-22	
Insertion loss from attenuator	-4	-6	-12	-26	-30	-31	-22	-16	
Net	22.0	39.0	36.0	27.0	27.0	25.0	31.0	28.0	36.0

Extract System - Fan Breakout Noise

Fan Size and type	Systemair MUB 042 500 E4								
Predicted Noise Level at NSR	5 metres away								
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	dB(A)
	63	125	250	500	1k	2k	4k	8k	Av
Breakout noise from fan Lw	26	47	44	43	49	51	41	30	54.3
Distance attenuation	-22	-22	-22	-22	-22	-22	-22	-22	
Net	4.0	25.0	22.0	21.0	27.0	29.0	19.0	8.0	32.3