

Acoustic data



Standard: BS EN 13141-6:2014

Product

**Purge - Ceiling extract configuration**

		Sound Power Levels dB re. 1pW								Overall L <sub>W</sub>	Overall L <sub>WA</sub>	Casing Breakout dBA @ 3m
		Frequency Hz										
Speed		63	125	250	500	1k	2k	4k	8k			
1 (14% - 19l/s)	Inlet	3	9	15	16	18	15	19	23	33	26	12
	Breakout	7	10	15	19	26	22	20	23	35	29	
2 (28.3% - 43l/s)	Inlet	12	21	31	35	36	32	20	23	45	39	15
	Breakout	11	20	26	29	29	24	20	23	42	33	
3 (42.7% - 62l/s)	Inlet	15	26	41	44	45	42	31	25	53	48	23
	Breakout	14	25	38	38	36	32	25	23	49	40	
4 (57% - 82l/s)	Inlet	23	30	46	50	51	49	40	33	59	55	29
	Breakout	19	29	42	44	42	39	34	26	54	46	
5 (71.3% - 103l/s)	Inlet	28	35	49	56	57	54	47	42	64	60	35
	Breakout	24	34	46	50	48	45	40	32	59	52	
6 (85.7% - 117l/s)	Inlet	43	38	50	60	59	57	50	46	71	63	38
	Breakout	35	37	47	53	52	48	44	36	64	56	
7 (100% - 117l/s)	Inlet	42	38	51	60	59	57	50	46	70	63	38
	Breakout	35	37	47	53	51	48	43	36	64	55	

The Purge Unit was installed in a ducted set up as defined in BS13141-6, as described below:-

150mm diameter plastic ductwork

The inlet was connected with:

1.5m duct

90° bend

0.5m duct

Air Terminal Device

The outlet was connected with:

2m duct

90° bend

0.5m duct

Grille