

WBD1									
SIZE	READING	WBD ONBOARD SENSING STATIC PRESSURE (Pa)				WBD REMOTE SENSING STATIC PRESSURE (Pa)			
		20	30	40	50	20	30	40	50
300/100	FLOW I/s	58	75	90	95	73	90	102	116
	THROW(m) max/min	5.2	6.4	7.2/3.7	8.3/4.1	6.3/3.2	7.3/3.9	8.2/4.1	9.7/4.9
	NC LEVEL	28	32	36	38	29	33	37	39
350/100	FLOW I/s	80	102	113	122	98	117	132	145
	THROW(m) max/min	7.2/3.8	8.2/4.1	9.5/4.7	10.1/5.0	6.9/3.6	8.8/4.7	10.2/5.0	11/5.1
	NC LEVEL	29	33	37	39	29	33	36	38
400/100	FLOW I/s	100	130	149	155	116	138	149	164
	THROW(m) max/min	7.8/4.2	8.6/4.7	10/5.0	11/5.1	8.4/4.5	9.1/5.0	10/5.1	10/5.4
	NC LEVEL	29	33	36	38	29	33	36	39
450/100	FLOW I/s	105	140	153	160	130	153	169	192
	THROW(m) max/min	7.0/3.6	8.4/4.9	9.1/5.2	10.7/5.4	8.2/4.4	9.4/5.2	10.7/5.8	11.4/5.8
	NC LEVEL	29	33	37	39	29	34	36	39
500/100	FLOW I/s	110	144	162	170	132	161	182	208
	THROW(m) max/min	8.4/4.6	9.4/5.1	10/5.5	11/5.4	8.4/4.4	9.7/5.3	11/5.9	12/6.0
	NC LEVEL	29	34	37	39	30	34	38	40
550/100	FLOW I/s	120	156	185	200	149	175	202	219
	THROW(m) max/min	8.2/4.3	9.5/5.1	10.6/5.9	11.7/6.1	8.8/4.9	9.8/5.6	11.1/5.8	12.4/6.9
	NC LEVEL	30	34	38	40	30	34	38	40
600/100	FLOW I/s	135	178	205	229	166	194	219	247
	THROW(m) max/min	8.6/4.7	10/5.6	11/6.4	13/7.0	8.8/4.8	10/6.0	12/6.6	13/7.2
	NC LEVEL	30	34	38	40	30	33	38	41
650/100	FLOW I/s	160	215	252	275	180	218	247	277
	THROW(m) max/min	8.8/4.9	10.3/5.8	11.7/6.6	13/7.2	8.9/4.9	10.1/5.2	11.3/6.3	12.6/6.8
	NC LEVEL	30	33	38	41	30	34	39	41
500/150	FLOW I/s	165	219	258	292	199	240	301	335
	THROW(m) max/min	8.7/4.9	10/5.6	11/6.4	13/7.1	8.8/5.0	10/5.9	12/6.6	13/7.8
	NC LEVEL	30	35	39	41	30	35	39	41
550/150	FLOW I/s	190	250	288	302	223	267	309	346
	THROW(m) max/min	8.8/4.7	10.5/6.1	11.2/6.4	12.8/7.6	9.6/5.1	11.7/6.4	13.1/7.3	15/8.3
	NC LEVEL	30	34	38	41	31	35	39	41
600/150	FLOW I/s	215	263	304	340	260	307	356	390
	THROW(m) max/min	9.2/4.9	12/6.4	13/7.1	16/8.4	9.8/5.2	11/6.6	13/7.5	15/8.8
	NC LEVEL	31	35	38	41	31	35	39	41
650/150	FLOW I/s	230	300	350	370	267	329	378	410
	THROW(m) max/min	9.4/5.0	10.3/6.4	13/7.4	15/8.6	9.7/5.2	10.9/6.7	13.6/7.8	15.4/8.9
	NC LEVEL	32	35	39	42	32	35	39	42
700/150	FLOW I/s	267	329	378	410	288	352	407	455
	THROW(m) max/min	9.7/5.2	11/6.7	14/7.8	15/8.9	10/6.0	13/7.2	15/8.8	16/9.3
	NC LEVEL	32	35	39	42	32	35	39	42
800/150	FLOW I/s	305	373	431	482	329	403	465	520
	THROW(m) max/min	10/5.5	11/7.0	15/8.3	16/9.2	10/5.6	11/7.4	15/8.5	16/9.4
	NC LEVEL	32	35	39	42	32	35	39	42

Throw data is taken 25mm below the ceiling on a line through the centre of the diffuser with the volume control blades fully open & an air velocity of 0.25m/s. Noise Criteria levels apply to a single diffuser mounted in a room having a Sound Absorption of 10dB in octave bands having centre frequencies from 125Hz to 8000Hz (i.e. the difference between Sound Pressure Level (dB re:2 x 10<sup>-5</sup> Pa) and Sound Power Level (dBW re: 10<sup>-12</sup> watts) is equal to 10dB). These levels represent only the noise generated by the diffuser and do not take into account any duct-borne noise. Diffusers are factory set for a minimum of 30% of the maximum flow levels reflected above. It should be noted that minimum diffuser air flow settings are approximate & may require to be reset on site to compensate for actual site system pressures. Performance Data applies to Standard Air having a density of 1.2 kg/m<sup>3</sup>.