

VSD4/5 150 (S320 SMALL CONE)							
NECK SIZE (mm)	READING	NECK TOTAL PRESSURE (Pa)					
		20	30	40	50	60	70
150	FLOW (l/s)	61	74	85	95	104	110
	THROW (m)	1.89	2.16	2.48	2.62	2.77	2.81
	NC LEVEL	32	34	37	39	41	43

VCD, VRD4/5 150-300 (MEDIUM CONE, FLUSH TRIM)							
NECK SIZE (mm)	READING	NECK TOTAL PRESSURE (Pa)					
		10	20	30	40	50	60
150	FLOW (l/s)	41	63	78	92	103	113
	THROW (m)	1.8	2.2	2.5	2.7	2.9	3.1
	NC LEVEL	12	16	23	28	31	35
200	FLOW (l/s)	68	99	124	143	159	174
	THROW (m)	2.2	2.8	3.1	3.5	3.7	3.8
	NC LEVEL	15	16	22	27	31	34
250	FLOW (l/s)	91	134	166	193	217	238
	THROW (m)	2.6	3.3	3.6	3.7	4.0	4.3
	NC LEVEL	15	18	24	29	33	36
300	FLOW (l/s)	130	183	226	263	293	320
	THROW (m)	3.2	4.0	4.4	4.8	5.0	5.2
	NC LEVEL	13	22	27	30	34	36

Throw data is taken 25mm below the ceiling on a line through the centre of the diffuser with the control disc fully open & an air velocity at 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 10⁻⁵ Pa) and Sound Power Level (dBW re: 10⁻¹² 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/m³.

VSD4/5 150-300 (LARGE CONE FLUSH TRIM)							
NECK SIZE (mm)	READING	NECK TOTAL PRESSURE (Pa)					
		10	20	30	40	50	60
150	FLOW (l/s)	43	63	82	95	107	118
	THROW (m)	1.5	2.0	2.3	2.5	2.8	3.0
	NC LEVEL	12	17	23	29	32	34
200	FLOW (l/s)	70	105	130	149	167	184
	THROW (m)	2.2	2.6	3.1	3.3	3.5	3.7
	NC LEVEL	14	16	23	28	31	34
250	FLOW (l/s)	94	140	172	198	225	247
	THROW (m)	3.1	3.7	4.1	4.4	4.6	4.8
	NC LEVEL	13	17	24	29	33	35
300	FLOW (l/s)	114	161	199	231	260	286
	THROW (m)	3.0	3.6	4.0	4.3	4.5	4.6
	NC LEVEL	14	18	24	28	31	34

Throw data is taken 25mm below the ceiling on a line through the centre of the diffuser with the control disc fully open & an air velocity at 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 10⁻⁵ Pa) and Sound Power Level (dBW re: 10⁻¹² 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/m³.