

CONNOLS-AIR VAV AIR TERMINAL UNITS

PERFORMANCE DATA

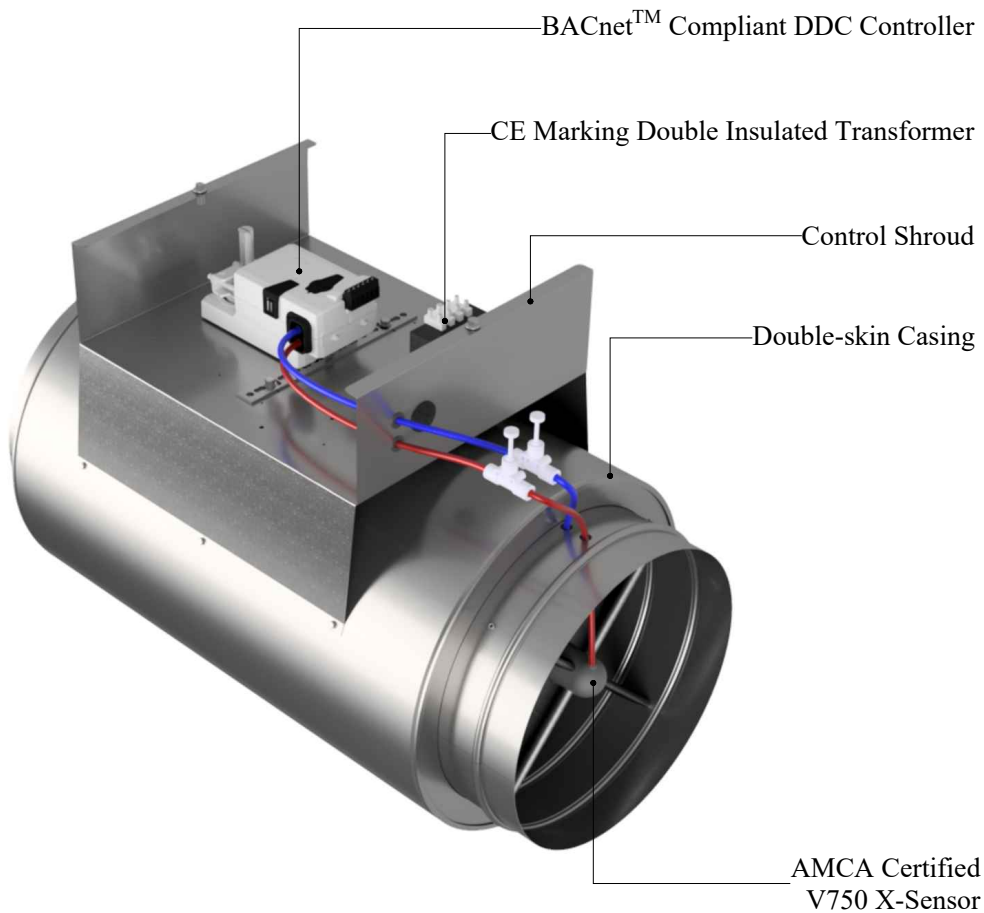


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PERFORMANCE DATA - V750 TERMINAL UNIT

Air Leakage Rate

VAV Size	Test Pressure (Pa)	Leakage Rate (L/s)	Leakage Rate (cmh)	Leakage Rate (cfm)	Leakage Rate (%)
5	250	0.10	0.36	0.21	0.08%
	500	0.16	0.58	0.34	0.13%
	750	0.22	0.79	0.47	0.18%
6	250	0.13	0.47	0.28	0.07%
	500	0.20	0.72	0.42	0.11%
	750	0.27	0.97	0.57	0.15%
7	250	0.12	0.43	0.25	0.05%
	500	0.18	0.66	0.39	0.08%
	750	0.25	0.90	0.53	0.10%
8	250	0.12	0.43	0.25	0.04%
	500	0.17	0.62	0.37	0.06%
	750	0.23	0.83	0.49	0.07%
10	250	0.15	0.54	0.32	0.03%
	500	0.21	0.76	0.44	0.04%
	750	0.27	0.97	0.57	0.06%
12	250	0.12	0.43	0.25	0.02%
	500	0.18	0.65	0.38	0.03%
	750	0.24	0.86	0.51	0.03%
14	250	0.13	0.47	0.28	0.01%
	500	0.19	0.68	0.40	0.02%
	750	0.25	0.90	0.53	0.03%
16	250	0.08	0.29	0.17	0.01%
	500	0.13	0.45	0.26	0.01%
	750	0.17	0.61	0.36	0.01%
18	250	0.16	0.58	0.34	0.01%
	500	0.22	0.79	0.47	0.01%
	750	0.28	1.01	0.59	0.02%

Note:

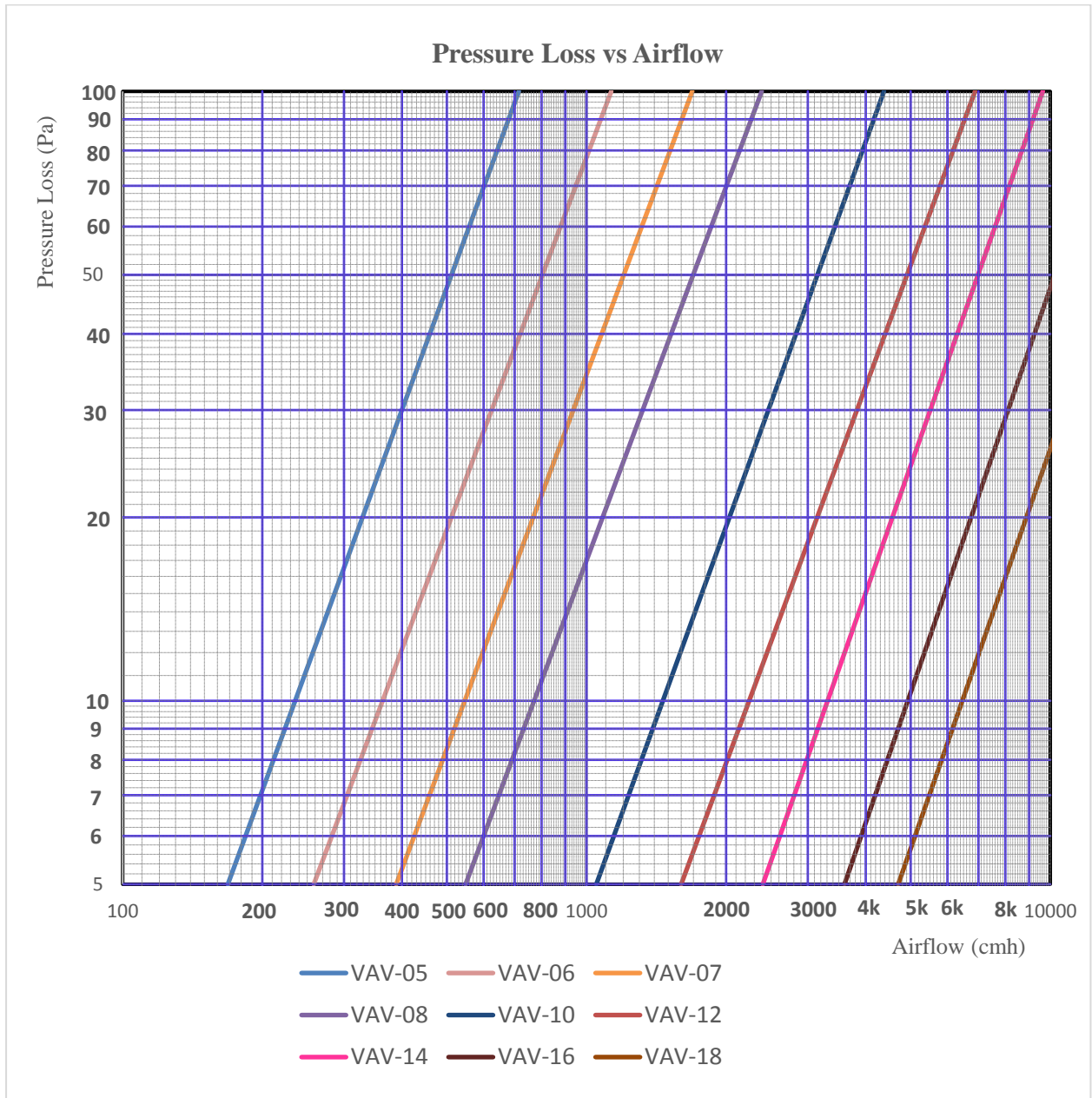
- Leakage rate (%) calculated based on 10m/s.

OLS MANUFACTURING CO. PTE LTD

Subsidiary Company: Connols-Air (S) Pte Ltd

PERFORMANCE DATA - V750 TERMINAL UNIT

Pressure Loss



Note:

- Pressure loss below 5 Pa will not be shown.

PERFORMANCE DATA - V750 TERMINAL UNIT

Generated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@125 Pa (0.5"W.G.)							@250 Pa (1.0"W.G.)						
			OCTAVE BAND CENTRE FREQUENCIES, Hz														
5	155	43	-	44	32	33	35	29	20	23	46	38	39	43	38	31	32
	200	56	-	45	34	35	37	31	22	25	46	39	41	45	39	31	34
	250	69	11	48	37	38	38	33	24	26	50	42	42	46	40	34	35
	300	83	17	50	40	40	40	34	26	28	53	45	44	47	42	36	36
	350	97	24	51	43	43	42	36	27	30	56	47	46	48	43	37	37
	400	111	32	53	45	45	44	38	29	32	57	50	48	50	44	38	38
	450	125	40	54	47	47	46	41	33	34	59	51	50	51	45	39	40
	530	147	55	58	52	51	51	46	39	40	62	54	54	53	48	42	42
6	250	69	-	41	35	34	35	28	20	23	41	39	39	41	38	31	29
	300	83	-	43	37	36	37	30	23	25	45	41	40	42	39	32	31
	350	97	-	44	39	38	39	31	25	27	48	44	42	43	40	33	32
	400	111	12	45	41	40	41	33	26	29	50	46	43	45	42	35	33
	450	125	15	45	43	42	42	34	27	31	51	48	45	46	43	36	35
	500	139	19	46	45	43	43	35	28	32	52	50	47	47	44	37	36
	550	153	24	46	47	44	45	37	29	33	53	51	48	49	45	38	37
	600	167	29	46	48	45	46	39	31	35	54	53	50	50	45	39	39
7	650	181	33	47	48	46	47	40	33	36	54	54	51	51	45	39	40
	700	194	39	47	48	48	49	42	35	37	55	55	52	53	46	40	41
	750	208	44	47	49	49	50	44	37	38	56	55	54	54	47	41	43
	350	97	-	43	41	38	37	31	23	25	47	46	41	41	41	33	32
	450	125	-	44	43	40	39	33	26	26	48	47	44	43	42	35	33
	550	153	10	45	46	42	41	35	27	29	51	50	46	45	43	36	34
	650	181	14	47	47	44	43	37	30	31	52	53	49	47	44	38	36
	750	208	19	47	49	47	45	40	33	34	54	53	52	50	46	40	39
8	850	236	24	49	51	49	47	42	35	37	56	56	55	52	47	42	41
	950	264	32	50	53	51	49	44	37	40	58	58	57	54	48	43	43
	1000	278	35	51	54	52	50	45	38	41	59	59	59	55	49	44	44
	450	125	-	42	42	37	35	31	24	22	43	46	42	39	40	33	30
	550	153	-	44	44	40	36	32	25	24	48	49	44	41	41	34	32
	650	181	-	46	46	42	38	34	27	26	50	51	46	43	43	36	33
	750	208	-	47	48	44	39	36	28	29	52	52	49	44	44	37	34
	850	236	12	48	49	46	40	37	29	31	53	54	50	46	45	38	35
10	950	264	15	49	51	48	42	39	31	32	55	56	51	48	46	38	36
	1050	292	19	49	53	49	43	40	32	33	56	57	53	49	47	39	38
	1150	319	23	50	54	50	45	41	33	35	57	58	54	51	48	40	39
	1250	347	27	50	55	52	47	43	35	36	57	59	56	52	49	41	41
	1350	375	32	50	56	53	48	44	36	38	58	60	57	53	50	42	42
	750	208	-	40	39	41	38	37	38	29	47	45	45	45	44	48	39
	900	250	-	41	41	43	39	38	39	30	49	46	47	46	45	49	40
	1050	292	-	42	42	45	41	39	40	31	50	48	48	47	45	49	41

Note:

- Test data obtained generally in accordance to BS EN ISO 3741: 2010, BS EN ISO 5135:1999 and related standards.
- NC values are based on 10 dB room absorption in all octave bands.
- All pressure indicated are differential pressure measured across the VAV terminal box.
- "-" represents noise level below 20 dB and pressure loss below 10 Pa.

OLS MANUFACTURING CO. PTE LTD

Subsidiary Company: Connols-Air (S) Pte Ltd

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Web: http://www.connols-air.com

PERFORMANCE DATA - V750 TERMINAL UNIT

Generated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@125 Pa (0.5"W.G.)							@250 Pa (1.0"W.G.)						
			OCTAVE BAND CENTRE FREQUENCIES, Hz							OCTAVE BAND CENTRE FREQUENCIES, Hz							
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
12	1100	306	-	38	37	39	40	39	31	30	45	45	43	45	44	46	38
	1200	333	-	39	38	41	41	40	32	30	47	46	44	46	44	46	37
	1400	389	-	41	40	43	43	41	33	31	50	47	46	48	46	46	38
	1600	444	-	43	43	46	44	42	34	32	51	48	48	49	47	46	38
	1800	500	-	45	45	48	45	42	35	33	52	50	50	51	49	47	39
	2000	556	-	46	46	50	45	43	36	35	53	51	52	52	50	47	41
	2200	611	10	47	48	52	46	43	36	36	53	53	53	53	50	47	42
	2400	667	12	48	49	54	47	43	37	38	54	54	55	55	51	47	43
	2600	722	14	49	51	55	48	43	37	40	56	56	57	56	52	47	44
	2800	778	17	50	52	57	49	44	38	42	57	57	58	56	52	48	45
3000	833	19	51	54	58	51	45	38	43	57	58	59	57	53	48	46	
14	1500	417	-	39	37	40	37	36	29	27	45	44	45	43	45	41	36
	1800	500	-	41	39	42	37	37	30	27	47	45	46	44	46	42	37
	2100	583	-	42	42	44	40	39	32	29	50	47	48	46	47	43	38
	2400	667	-	44	44	45	42	41	34	31	51	48	50	47	48	44	38
	2700	750	-	45	45	46	43	42	36	32	52	50	51	49	49	45	39
	3000	833	-	46	47	47	44	43	37	33	52	52	52	50	50	46	40
	3300	917	10	47	48	49	45	44	38	34	52	53	53	51	51	47	41
	3600	1000	12	47	50	51	46	44	38	35	53	55	55	53	51	48	42
	3900	1083	15	48	52	52	48	45	39	37	54	56	56	54	52	49	42
	4200	1167	19	48	53	54	50	46	39	39	55	57	58	55	52	49	44
16	1800	500	-	38	40	39	39	39	32	30	50	50	44	46	47	44	38
	2000	556	-	43	44	39	39	39	32	30	50	50	46	47	48	44	39
	2400	667	-	46	47	42	41	41	34	32	51	52	47	48	48	45	39
	2800	778	-	48	49	44	43	43	36	33	53	54	49	50	50	47	40
	3200	889	-	49	50	46	45	44	37	34	55	55	50	52	51	48	41
	3600	1000	-	51	51	48	46	45	38	35	56	56	52	53	52	49	42
	4000	1111	-	52	53	50	48	46	40	36	58	58	53	55	53	50	43
	4400	1222	-	53	55	51	49	47	41	38	59	60	55	56	54	51	45
	4800	1333	11	54	56	52	51	48	42	39	60	62	58	58	55	52	46
	5200	1444	13	54	56	54	52	49	44	41	61	62	61	59	56	52	48
5600	1556	16	54	57	55	54	50	45	43	62	63	63	60	56	52	49	
18	2200	611	-	46	47	43	43	46	38	36	52	52	47	51	59	49	49
	2700	750	-	49	49	45	45	48	39	38	53	54	50	52	59	49	49
	3200	889	-	50	51	47	47	50	41	40	55	55	52	53	59	51	50
	3700	1028	-	52	52	48	48	51	43	41	56	57	53	54	60	52	51
	4200	1167	-	53	54	50	49	52	44	42	57	58	54	55	60	53	51
	4700	1306	-	54	55	52	50	52	45	43	59	60	56	56	60	53	51
	5200	1444	-	55	57	55	52	52	46	43	60	61	58	58	60	54	51
	5700	1583	-	56	59	58	53	53	47	44	61	63	61	59	60	55	51
	6200	1722	10	57	60	61	55	53	48	47	62	64	63	60	60	55	51
	6700	1861	12	58	62	64	56	54	48	49	63	66	66	61	60	56	51
7200	2000	15	58	63	65	57	55	49	50	64	67	67	62	61	56	53	

Note:

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PERFORMANCE DATA - V750 TERMINAL UNIT

Generated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@375 Pa (1.5"W.G.)							@500 Pa (2.0"W.G.)						
			OCTAVE BAND CENTRE FREQUENCIES, Hz							OCTAVE BAND CENTRE FREQUENCIES, Hz							
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
5	155	43	-	41	37	41	48	46	35	37	38	38	43	50	51	40	42
	200	56	-	46	43	43	48	46	36	37	45	42	46	51	51	40	42
	250	69	11	49	45	44	49	46	38	37	47	45	41	52	51	40	42
	300	83	17	52	48	46	50	47	39	38	50	48	41	53	51	41	42
	350	97	24	54	51	48	51	48	41	40	52	51	42	53	52	43	43
	400	111	32	56	53	50	52	49	42	41	54	53	44	54	53	44	44
	450	125	40	58	54	52	53	50	43	42	56	55	43	55	54	45	45
	500	139	48	59	56	53	55	50	44	44	57	56	43	57	54	45	46
	530	147	55	60	56	53	55	51	44	44	58	57	56	57	54	46	46
6	250	69	-	40	41	41	44	44	36	35	42	41	42	46	47	41	38
	300	83	-	43	43	43	45	45	37	36	46	44	44	47	48	41	39
	350	97	-	43	43	43	45	45	37	36	46	44	44	47	48	41	39
	400	111	12	49	48	46	47	47	39	38	51	48	47	50	50	43	41
	450	125	15	50	50	48	48	48	40	39	54	51	49	51	51	44	42
	500	139	19	51	52	49	49	49	41	40	56	53	50	52	52	45	43
	550	153	24	53	54	50	51	50	42	41	57	55	52	53	53	46	44
	600	167	29	55	55	51	52	50	43	41	58	56	53	53	53	46	44
	650	181	33	56	56	53	53	51	44	42	59	57	55	54	54	47	45
7	700	194	39	57	56	54	54	51	44	43	60	58	56	55	54	47	45
	750	208	44	58	57	56	55	52	45	44	61	59	57	56	55	48	46
	350	97	-	41	44	43	43	45	37	36	44	46	45	45	48	41	39
	450	125	-	47	49	46	46	47	39	38	50	50	48	48	50	43	41
	550	153	10	50	52	49	47	48	41	39	53	54	50	50	51	44	42
	650	181	14	53	54	51	49	49	42	41	56	56	52	51	53	45	44
	750	208	19	55	56	53	51	50	43	42	58	58	55	53	54	46	45
	850	236	24	57	58	55	53	51	44	44	59	60	57	54	55	47	46
	950	264	32	58	59	58	55	52	45	45	61	61	59	56	56	48	47
8	1000	278	35	59	60	59	56	53	46	46	62	62	60	57	56	49	47
	450	125	-	43	48	45	43	46	38	37	46	50	47	45	49	42	40
	550	153	-	47	51	47	44	47	39	38	49	53	48	47	50	43	41
	650	181	-	50	53	49	46	48	40	39	52	55	50	48	52	44	43
	750	208	-	53	56	50	47	49	41	40	54	58	52	49	53	45	44
	850	236	12	55	57	52	48	50	42	41	56	59	54	50	54	46	45
	950	264	15	57	59	54	50	51	43	42	57	61	56	52	54	46	45
	1050	292	19	58	60	55	51	52	44	43	58	62	57	53	55	47	46
	1150	319	23	59	61	56	52	53	45	44	59	63	58	54	56	48	47
10	1250	347	27	59	62	57	54	53	45	44	59	64	59	55	56	48	47
	1350	375	32	60	63	58	55	54	46	45	60	65	60	56	57	49	48
	750	208	-	49	48	49	49	48	53	45	50	50	51	51	51	55	47
	900	250	-	51	50	50	50	48	53	45	52	52	52	52	51	55	48
	1050	292	-	53	51	51	50	49	53	45	54	53	53	52	52	56	48
	1200	333	-	55	52	52	51	50	54	46	56	54	55	53	53	56	48
	1350	375	-	57	53	54	52	50	54	46	58	56	56	54	53	56	48
	1500	417	11	58	55	55	53	51	54	46	59	57	57	55	54	57	49
	1650	458	14	59	56	56	54	52	55	47	61	59	58	56	55	57	49
10	1800	500	16	60	58	57	55	53	55	47	62	60	59	56	56	57	49
	1950	542	19	61	58	58	56	54	55	48	63	61	60	57	57	58	50
	2100	583	23	61	59	60	57	54	56	48	63	61	61	58	57	58	50

Note:

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- "-" represents noise level below 20 dB and pressure loss below 10 Pa.

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Generated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS. LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@375 Pa (1.5"W.G.)						@500 Pa (2.0"W.G.)							
			OCTAVE BAND CENTRE FREQUENCIES, Hz						OCTAVE BAND CENTRE FREQUENCIES, Hz								
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
12	1100	306	-	37	38	37	38	38	45	37	37	41	40	42	41	40	32
	1200	333	-	39	39	38	39	39	44	36	39	42	41	42	41	40	32
	1400	389	-	42	41	39	40	40	43	35	42	43	42	43	42	41	33
	1600	444	-	44	42	40	41	40	42	34	44	44	43	44	43	41	34
	1800	500	-	46	43	42	42	41	41	33	46	46	44	45	44	42	35
	2000	556	-	47	45	44	43	42	40	34	49	47	46	46	45	43	36
	2200	611	10	48	46	45	44	43	40	34	51	48	47	46	46	43	36
	2400	667	12	49	47	46	46	44	41	35	52	50	48	47	47	44	37
	2600	722	14	50	49	48	47	45	41	36	53	52	50	48	47	44	38
	2800	778	17	51	50	50	48	46	42	37	54	53	51	49	48	45	39
3000	833	19	51	50	51	49	46	42	38	55	53	52	50	49	45	40	
14	1500	417	-	48	47	48	47	49	48	40	49	49	51	51	52	55	47
	1800	500	-	50	48	49	48	50	49	41	51	50	52	52	52	55	47
	2100	583	-	52	49	50	49	50	49	41	53	51	52	52	52	55	47
	2400	667	-	53	51	52	51	51	50	42	55	53	54	54	54	55	47
	2700	750	-	54	52	53	51	52	51	43	56	54	55	54	54	55	47
	3000	833	-	55	54	54	52	53	52	44	57	56	56	55	55	55	47
	3300	917	10	56	56	55	54	54	53	45	58	57	57	56	56	56	48
	3600	1000	12	56	57	57	55	54	53	45	59	58	58	57	56	56	48
	3900	1083	15	58	59	58	56	55	53	46	61	60	60	58	58	56	49
	4200	1167	19	59	60	60	56	55	53	46	62	61	61	58	59	56	49
16	1800	500	-	41	41	38	40	42	42	34	43	44	41	43	45	47	39
	2000	556	-	42	42	39	41	42	43	35	44	45	42	44	45	47	39
	2400	667	-	44	44	40	42	43	44	36	46	46	43	45	46	48	40
	2800	778	-	46	46	42	44	44	45	37	48	48	45	47	46	48	40
	3200	889	-	48	47	43	45	45	46	38	49	49	46	48	47	49	41
	3600	1000	-	49	48	44	46	46	47	39	50	50	47	49	48	50	42
	4000	1111	-	50	50	46	48	47	47	39	52	52	49	50	49	50	42
	4400	1222	-	52	52	48	49	48	48	40	54	54	50	51	50	51	43
	4800	1333	11	52	53	50	50	49	48	40	54	55	51	52	51	51	43
	5200	1444	13	51	52	49	50	49	48	40	53	54	51	51	51	51	43
5600	1556	16	55	56	56	53	50	48	42	56	57	55	54	52	51	43	
18	2200	611	-	51	53	51	54	61	53	52	52	55	54	57	65	57	56
	2700	750	-	54	54	52	54	61	54	52	55	56	54	58	65	58	56
	3200	889	-	56	56	53	55	62	54	53	57	58	56	59	65	58	56
	3700	1028	-	57	58	55	56	62	55	53	59	59	57	59	65	59	56
	4200	1167	-	58	58	55	56	62	55	53	59	59	57	59	65	59	56
	4700	1306	-	59	60	57	58	62	56	53	62	62	59	61	65	60	56
	5200	1444	-	61	62	58	59	62	57	53	63	63	60	62	65	60	56
	5700	1583	-	62	63	60	60	62	57	53	64	65	62	62	65	60	56
	6200	1722	10	63	64	63	61	62	57	53	64	66	64	63	65	60	56
	6700	1861	12	64	66	65	62	62	58	53	65	67	66	64	65	61	56
7200	2000	15	64	67	67	62	63	58	54	66	68	67	64	65	61	56	

Note:

- Test data obtained generally in accordance to BS EN ISO 3741: 2010, BS EN ISO 5135:1999 and related standards.
- NC values are based on 10 dB room absorption in all octave bands.
- All pressure indicated are differential pressure measured across the VAV terminal box.
- "-" represents noise level below 20 dB and pressure loss below 10 Pa.

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PERFORMANCE DATA - V750 TERMINAL UNIT

Radiated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@125 Pa (0.5"W.G.)							@250 Pa (1.0"W.G.)						
			OCTAVE BAND CENTRE FREQUENCIES, Hz														
5	155	43	-	41	29	25	21	-	-	16	43	35	31	29	-	-	17
	200	56	-	42	31	27	23	-	-	18	43	36	33	31	-	-	19
	250	69	11	45	34	30	24	-	-	19	47	39	34	32	20	-	21
	300	83	17	47	37	32	26	-	-	21	50	42	36	33	22	-	22
	350	97	24	48	40	35	28	-	-	23	53	44	38	34	23	-	26
	400	111	32	50	42	37	30	-	-	25	54	47	40	36	24	-	27
	450	125	40	51	44	39	32	21	-	27	55	48	42	37	25	-	28
	500	139	48	51	44	41	34	23	-	28	56	49	43	39	27	-	28
6	530	147	55	55	49	43	37	26	-	31	59	51	46	39	28	-	34
	250	69	-	38	32	25	20	-	-	8	38	36	30	26	-	-	14
	300	83	-	40	34	27	22	-	-	11	42	38	31	27	-	-	15
	350	97	-	41	36	29	24	-	-	13	45	41	33	28	-	-	20
	400	111	12	42	38	31	26	-	-	16	47	43	34	30	21	-	23
	450	125	15	42	40	33	27	-	-	19	48	45	36	31	22	-	25
	500	139	19	43	42	34	28	-	-	21	49	47	38	32	23	-	27
	550	153	24	43	44	35	30	-	-	24	50	48	39	34	24	-	28
	600	167	29	43	45	36	31	-	-	25	51	50	41	35	24	-	31
	650	181	33	44	45	37	32	-	-	25	51	51	42	36	24	-	32
7	700	194	39	44	45	38	34	21	-	25	52	52	43	38	25	-	33
	750	208	44	44	46	40	35	23	-	25	53	52	45	39	26	-	33
	350	97	-	40	37	28	21	-	-	15	44	42	31	25	-	-	21
	450	125	-	41	39	30	23	-	-	18	45	43	34	27	20	-	23
	550	153	10	42	42	32	25	-	-	21	48	46	36	29	21	-	26
	650	181	14	44	43	34	27	-	-	23	49	49	39	31	22	-	29
	750	208	19	44	45	37	29	-	-	25	51	49	42	34	24	-	29
	850	236	24	46	47	39	31	20	-	27	53	52	45	36	25	-	33
8	950	264	32	47	49	41	33	22	-	29	55	54	47	38	26	-	35
	1000	278	35	48	50	42	34	23	-	31	56	55	49	39	27	-	36
	450	125	-	39	38	27	-	-	-	16	40	42	32	23	-	-	21
	550	153	-	41	40	30	20	-	-	19	45	45	34	25	-	-	25
	650	181	-	43	42	32	22	-	-	21	47	47	36	27	21	-	27
	750	208	-	44	44	34	23	-	-	24	49	48	39	28	22	-	28
	850	236	12	45	45	36	24	-	-	25	50	50	40	30	23	-	31
	950	264	15	46	47	38	26	-	-	27	52	52	41	32	24	-	33
10	1050	292	19	46	49	39	27	-	-	29	53	53	43	33	25	-	34
	1150	319	23	47	50	40	29	-	-	31	54	54	44	35	26	-	35
	1250	347	27	47	51	42	31	21	-	32	54	55	46	36	27	-	36
	1350	375	32	47	52	43	32	22	-	33	55	56	47	37	28	-	38
	750	208	-	37	34	30	21	-	-	14	44	40	34	28	21	-	19
	900	250	-	38	36	32	22	-	-	17	46	41	36	29	22	20	21
	1050	292	-	39	37	34	24	-	-	19	47	43	37	30	22	20	22
	1200	333	-	40	38	36	25	-	-	21	48	44	39	31	23	21	24
1350	375	-	41	39	37	27	-	-	22	49	45	40	33	24	21	25	
1500	417	11	42	41	39	28	-	-	24	50	47	42	34	25	22	27	
1650	458	14	43	43	40	29	-	-	25	51	48	43	35	25	22	28	
1800	500	16	44	44	42	31	-	-	27	52	50	45	36	26	23	30	
1950	542	19	44	44	43	33	20	-	28	53	51	46	38	27	23	31	
2100	583	23	45	44	45	34	21	-	30	54	51	47	39	28	23	32	

Note:

- Test data obtained generally in accordance to BS EN ISO 3741: 2010, BS EN ISO 5135:1999 and related standards.
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- All pressure indicated are differential pressure measured across the VAV terminal box.
- "-" represents noise level below 20 dB and pressure loss below 10 Pa.

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PERFORMANCE DATA - V750 TERMINAL UNIT

Radiated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		LOSS (Pa)	@125 Pa (0.5"W.G.)							@250 Pa (1.0"W.G.)					
			OCTAVE BAND CENTRE FREQUENCIES, Hz							OCTAVE BAND CENTRE FREQUENCIES, Hz							
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
12	1100	306	-	35	32	28	23	-	-	12	42	40	32	28	21	-	19
	1200	333	-	36	33	30	24	-	-	14	44	41	33	29	21	-	20
	1400	389	-	38	35	32	26	-	-	17	47	42	35	31	23	-	21
	1600	444	-	40	38	35	27	-	-	20	48	43	37	32	24	-	22
	1800	500	-	42	40	37	28	-	-	22	49	45	39	34	26	-	24
	2000	556	-	43	41	39	28	20	-	24	50	46	41	35	27	-	26
	2200	611	10	44	43	41	29	20	-	26	50	48	42	36	27	-	27
	2400	667	12	45	44	43	30	20	-	28	51	49	44	38	28	-	29
	2600	722	14	46	46	44	31	20	-	29	53	51	46	39	29	-	31
	2800	778	17	47	47	46	32	21	-	31	54	52	47	39	29	-	32
3000	833	19	48	49	47	34	22	-	32	54	53	48	40	30	-	33	
14	1500	417	-	36	32	29	20	-	-	13	42	39	34	26	22	-	19
	1800	500	-	38	34	31	20	-	-	16	44	40	35	27	23	-	20
	2100	583	-	39	37	33	23	-	-	18	47	42	37	29	24	-	22
	2400	667	-	41	39	34	25	-	-	19	48	43	39	30	25	-	24
	2700	750	-	42	40	35	26	-	-	20	49	45	40	32	26	-	25
	3000	833	-	43	42	36	27	20	-	21	49	47	41	33	27	-	26
	3300	917	10	44	43	38	28	21	-	23	49	48	42	34	28	-	27
	3600	1000	12	44	45	40	29	21	-	25	50	50	44	36	28	-	30
	3900	1083	15	45	47	41	31	22	-	26	51	51	45	37	29	20	30
	4200	1167	19	45	48	43	33	23	-	28	52	52	47	38	29	20	32
16	1800	500	-	35	34	27	21	-	-	11	47	44	32	28	23	-	24
	2000	556	-	40	38	27	21	-	-	16	47	44	34	29	24	-	24
	2400	667	-	43	41	30	23	-	-	20	48	46	35	30	24	-	26
	2800	778	-	45	43	32	25	-	-	23	50	48	37	32	26	-	28
	3200	889	-	46	44	34	27	20	-	24	52	49	38	34	27	-	29
	3600	1000	-	48	45	36	28	21	-	25	53	50	40	35	28	-	31
	4000	1111	-	49	47	38	30	22	-	27	55	52	41	37	29	20	33
	4400	1222	-	50	49	39	31	23	-	29	56	54	43	38	30	21	35
	4800	1333	11	51	50	40	33	24	-	31	57	56	46	40	31	22	38
	5200	1444	13	51	50	42	34	25	-	31	58	56	49	41	32	22	38
18	5600	1556	16	51	51	43	36	26	-	32	59	57	51	42	32	22	39
	2200	611	-	43	41	31	25	22	-	20	49	46	35	33	35	-	26
	2700	750	-	46	43	33	27	24	-	23	50	48	38	34	35	-	26
	3200	889	-	47	45	35	29	26	-	25	52	49	40	35	35	21	29
	3700	1028	-	49	46	36	30	27	-	26	53	51	41	36	36	22	32
	4200	1167	-	50	48	38	31	28	-	28	54	52	42	37	36	23	33
	4700	1306	-	51	49	40	32	28	-	29	56	54	44	38	36	23	35
	5200	1444	-	52	51	43	34	28	-	32	57	55	46	40	36	24	36
	5700	1583	-	53	53	46	35	29	-	34	58	57	49	41	36	25	39
	6200	1722	10	54	54	49	37	29	-	34	59	58	51	42	36	25	40
6700	1861	12	55	56	52	38	30	-	38	60	60	54	43	36	26	43	
7200	2000	15	55	57	53	39	31	-	39	61	61	55	44	37	26	44	

Note:

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PERFORMANCE DATA - V750 TERMINAL UNIT

Radiated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS LOSS (Pa)	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		@375 Pa (1.5"W.G.)							@500 Pa (2.0"W.G.)						
			OCTAVE BAND CENTRE FREQUENCIES, Hz														
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
5	155	43	-	38	34	33	34	26	-	23	35	35	35	36	31	-	25
	200	56	-	43	40	35	34	26	-	23	42	39	37	37	31	-	26
	250	69	11	46	42	36	35	26	-	24	44	42	33	38	31	20	27
	300	83	17	49	45	38	36	27	-	25	47	45	33	38	31	21	27
	350	97	24	51	48	40	37	28	21	28	49	48	33	39	32	22	28
	400	111	32	53	50	42	38	29	22	30	51	50	36	40	33	23	30
	450	125	40	55	51	44	39	30	23	32	53	52	35	41	34	25	33
	500	139	48	56	53	45	41	30	24	34	54	53	35	42	34	25	34
	530	147	55	57	53	45	41	31	24	34	55	54	48	43	34	26	35
6	250	69	-	37	38	32	29	23	-	17	39	38	33	31	26	20	19
	300	83	-	40	40	34	30	24	-	18	43	41	35	32	27	20	21
	350	97	-	40	40	34	30	24	-	18	43	41	35	32	27	20	21
	400	111	12	46	45	37	32	26	-	25	48	45	38	35	29	22	24
	450	125	15	47	47	39	33	27	-	27	51	48	40	36	30	23	28
	500	139	19	48	49	40	34	28	20	29	53	50	41	37	31	24	31
	550	153	24	50	51	41	36	29	21	31	54	52	43	38	32	25	32
	600	167	29	52	52	42	37	29	22	33	55	53	44	38	32	25	34
	650	181	33	53	53	44	38	30	23	33	56	54	46	39	33	26	35
	700	194	39	54	53	45	39	30	23	34	57	55	47	40	33	26	36
750	208	44	55	54	47	40	31	24	34	58	56	48	41	34	27	37	
7	350	97	-	38	40	33	27	23	-	19	41	42	35	29	26	-	21
	450	125	-	44	45	36	30	25	-	25	47	46	38	32	28	21	26
	550	153	10	47	48	39	31	26	-	28	50	50	40	34	29	22	30
	650	181	14	50	50	41	33	27	20	31	53	52	42	35	31	23	33
	750	208	19	52	52	43	35	28	21	33	55	54	45	37	32	24	35
	850	236	24	54	54	45	37	29	22	35	56	56	47	38	33	25	37
	950	264	32	55	55	48	39	30	23	36	58	57	49	40	34	26	39
	1000	278	35	56	56	49	40	31	24	37	59	58	50	41	34	27	39
8	450	125	-	40	44	35	27	24	-	24	43	46	37	29	27	20	26
	550	153	-	44	47	37	28	25	-	27	46	49	38	31	28	21	29
	650	181	-	47	49	39	30	26	-	30	49	51	40	32	30	22	32
	750	208	-	50	52	40	31	27	-	33	51	54	42	33	31	23	35
	850	236	12	52	53	42	32	28	20	34	53	55	44	34	32	24	37
	950	264	15	54	55	44	34	29	21	36	54	57	46	36	32	24	38
	1050	292	19	55	56	45	35	30	22	38	55	58	47	37	33	25	40
	1150	319	23	56	57	46	36	31	23	38	56	59	48	38	34	26	42
10	1250	347	27	56	58	47	38	31	23	40	56	60	49	39	34	26	43
	1350	375	32	57	59	48	39	32	24	41	57	61	50	40	35	27	44
	750	208	-	46	43	38	32	25	30	22	47	45	40	34	28	26	25
	900	250	-	48	45	39	33	25	30	22	49	47	41	35	28	26	26
	1050	292	-	50	46	40	33	26	30	25	51	48	42	35	29	27	27
	1200	333	-	52	47	41	34	27	31	26	53	49	44	36	30	27	29
	1350	375	-	54	48	43	35	27	31	28	55	51	45	37	30	27	31
	1500	417	11	55	50	44	36	28	31	30	56	52	46	38	31	28	33
1650	458	14	56	51	45	37	29	32	32	58	54	47	39	32	28	35	
1800	500	16	57	53	46	38	30	32	34	59	55	48	39	33	28	36	
1950	542	19	58	53	47	39	31	32	33	60	56	49	40	34	29	37	
2100	583	23	58	54	49	40	31	33	34	60	56	50	41	34	29	38	

Note:

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PERFORMANCE DATA - V750 TERMINAL UNIT

Radiated Noise

UNIT SIZE	AIR FLOW		MIN. PRESS	SOUND POWER LEVEL Lw, dB re 10 ⁻¹² WATTS													
	CMH	L/S		LOSS (Pa)	@375 Pa (1.5"W.G.)							@500 Pa (2.0"W.G.)					
			OCTAVE BAND CENTRE FREQUENCIES, Hz							OCTAVE BAND CENTRE FREQUENCIES, Hz							
				125	250	500	1k	2k	4k	NC	125	250	500	1k	2k	4k	NC
12	1100	306	-	34	33	26	21	-	-	9	34	36	29	25	-	-	13
	1200	333	-	36	34	27	22	-	-	11	36	37	30	25	-	-	13
	1400	389	-	39	36	28	23	-	-	13	39	38	31	26	-	-	16
	1600	444	-	41	37	29	24	-	-	15	41	39	32	27	20	-	18
	1800	500	-	43	38	31	25	-	-	16	43	41	33	28	21	-	20
	2000	556	-	44	40	33	26	-	-	18	46	42	35	29	22	20	21
	2200	611	10	45	41	34	27	20	-	20	48	43	36	29	23	20	23
	2400	667	12	46	42	35	29	21	-	22	49	45	37	30	24	21	25
	2600	722	14	47	44	37	30	22	-	23	50	47	39	31	24	21	27
	2800	778	17	48	45	39	31	23	-	24	51	48	40	32	25	22	28
3000	833	19	48	45	40	32	23	-	25	52	48	41	33	26	22	29	
14	1500	417	-	45	42	37	30	26	25	22	46	44	40	34	29	26	25
	1800	500	-	47	43	38	31	27	26	23	48	45	41	35	29	26	26
	2100	583	-	49	44	39	32	27	26	24	50	46	41	35	29	26	26
	2400	667	-	50	46	41	34	28	27	26	52	48	43	37	31	26	28
	2700	750	-	51	47	42	34	29	28	27	53	49	44	37	31	26	29
	3000	833	-	52	49	43	35	30	29	28	54	51	45	38	32	26	30
	3300	917	10	53	51	44	37	31	30	31	55	52	46	39	33	27	31
	3600	1000	12	53	52	46	38	31	30	33	56	53	47	40	33	27	33
	3900	1083	15	55	54	47	39	32	30	35	58	55	49	41	35	27	36
	4200	1167	19	56	55	49	39	32	30	35	59	56	50	41	36	27	37
16	1800	500	-	38	35	26	22	-	-	13	40	38	29	25	21	-	17
	2000	556	-	39	36	27	23	-	-	14	41	39	30	26	21	-	18
	2400	667	-	41	38	28	24	-	-	16	43	40	31	27	22	-	19
	2800	778	-	43	40	30	26	20	21	18	45	42	33	29	22	-	21
	3200	889	-	45	41	31	27	21	22	20	46	43	34	30	23	-	23
	3600	1000	-	46	42	32	28	22	23	22	47	44	35	31	24	20	24
	4000	1111	-	47	44	34	30	23	23	24	49	46	37	32	25	20	26
	4400	1222	-	49	46	36	31	24	24	26	51	48	38	33	26	21	28
	4800	1333	11	49	47	38	32	25	24	27	51	49	39	34	27	21	29
	5200	1444	13	48	46	37	32	25	24	26	50	48	39	33	27	21	29
5600	1556	16	52	50	44	35	26	24	30	53	51	43	36	28	21	32	
18	2200	611	-	48	47	39	36	37	29	28	49	49	42	39	41	27	32
	2700	750	-	51	48	40	36	37	30	28	52	50	42	40	41	28	32
	3200	889	-	53	50	41	37	38	30	30	54	52	44	41	41	28	32
	3700	1028	-	54	52	43	38	38	31	33	56	53	45	41	41	29	32
	4200	1167	-	55	52	43	38	38	31	33	56	53	45	41	41	29	32
	4700	1306	-	56	54	45	40	38	32	35	59	56	47	43	41	30	37
	5200	1444	-	58	56	46	41	38	33	37	60	57	48	44	41	30	39
	5700	1583	-	59	57	48	42	38	33	39	61	59	50	44	41	30	41
	6200	1722	10	60	58	51	43	38	33	41	61	60	52	45	41	30	43
	6700	1861	12	61	60	53	44	38	34	42	62	61	54	46	41	31	44
7200	2000	15	61	61	55	44	39	34	44	63	62	55	46	41	31	45	

Note:

- Test data obtained generally in accordance to BS EN ISO 3741: 2010, BS EN ISO 5135:1999 and related standards.
- NC values are based on 10 dB room absorption in all octave bands.
- All pressure indicated are differential pressure measured across the VAV terminal box.
- "-" represents noise level below 20 dB and pressure loss below 10 Pa.

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