



Accel II Airflow Control Valves
MEDIUM PRESSURE RADIATED
Sound Power Level Data

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Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Size 08 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	0.60	150	34	22	< 20	< 20	< 20	< 20
100	45	170	0.60	150	35	23	23	< 20	< 20	< 20
150	70	250	0.60	150	37	24	27	21	< 20	< 20
200	95	340	0.60	150	38	25	30	24	22	< 20
250	120	420	0.60	150	39	26	31	25	24	20
300	140	510	0.60	150	43	27	32	27	25	22
350	160	590	0.60	150	44	32	33	28	26	24
400	190	680	0.60	150	45	34	36	30	28	26
450	210	760	0.60	150	46	36	37	32	29	27
500	230	850	0.60	150	47	37	38	35	31	28
600	280	1000	0.60	150	48	40	41	38	34	30
700	330	1200	0.60	150	50	42	44	40	37	33

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.00	500	37	25	20	21	25	27
100	45	170	2.00	500	38	26	29	25	28	28
150	70	250	2.00	500	40	28	35	29	30	29
200	95	340	2.00	500	41	30	38	33	33	32
250	120	420	2.00	500	42	31	39	35	35	34
300	140	510	2.00	500	46	36	43	39	38	36
350	160	590	2.00	500	47	38	45	40	40	38
400	190	680	2.00	500	48	40	47	42	42	40
450	210	760	2.00	500	49	41	48	43	43	41
500	230	850	2.00	500	50	42	50	44	44	42
600	280	1000	2.00	500	51	44	52	47	45	44
700	330	1200	2.00	500	53	47	54	49	47	46

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.00	250	35	23	< 20	< 20	< 20	< 20
100	45	170	1.00	250	36	24	26	< 20	< 20	< 20
150	70	250	1.00	250	38	25	30	24	23	20
200	95	340	1.00	250	39	26	33	28	27	24
250	120	420	1.00	250	40	27	35	30	28	25
300	140	510	1.00	250	44	28	36	31	29	26
350	160	590	1.00	250	45	35	39	34	33	31
400	190	680	1.00	250	46	36	40	35	34	32
450	210	760	1.00	250	47	38	42	37	35	33
500	230	850	1.00	250	48	40	44	40	37	34
600	280	1000	1.00	250	49	42	46	42	38	35
700	330	1200	1.00	250	51	45	48	45	41	39

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.50	625	38	26	22	22	27	31
100	45	170	2.50	625	39	27	30	26	31	32
150	70	250	2.50	625	41	29	36	31	33	33
200	95	340	2.50	625	42	31	39	35	35	34
250	120	420	2.50	625	43	32	40	36	36	36
300	140	510	2.50	625	47	37	45	40	40	39
350	160	590	2.50	625	48	39	46	43	42	41
400	190	680	2.50	625	49	41	48	44	44	42
450	210	760	2.50	625	50	42	50	46	45	44
500	230	850	2.50	625	51	43	51	47	46	45
600	280	1000	2.50	625	52	45	53	49	48	47
700	330	1200	2.50	625	54	48	55	51	49	49

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.50	375	36	24	< 20	< 20	22	21
100	45	170	1.50	375	37	25	27	23	25	23
150	70	250	1.50	375	39	27	32	27	28	26
200	95	340	1.50	375	40	29	36	31	31	29
250	120	420	1.50	375	41	30	38	34	33	31
300	140	510	1.50	375	45	35	40	36	35	33
350	160	590	1.50	375	46	36	41	37	36	35
400	190	680	1.50	375	47	39	44	39	38	36
450	210	760	1.50	375	48	40	45	41	39	37
500	230	850	1.50	375	49	41	47	42	40	39
600	280	1000	1.50	375	50	43	49	44	42	40
700	330	1200	1.50	375	52	46	51	46	44	42

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	3.00	750	39	27	23	23	28	34
100	45	170	3.00	750	40	28	31	27	32	35
150	70	250	3.00	750	42	30	37	32	34	36
200	95	340	3.00	750	43	32	40	36	36	37
250	120	420	3.00	750	44	33	41	37	37	38
300	140	510	3.00	750	48	38	46	42	42	40
350	160	590	3.00	750	49	40	48	45	44	43
400	190	680	3.00	750	50	42	50	46	46	44
450	210	760	3.00	750	51	43	51	47	47	46
500	230	850	3.00	750	52	44	52	49	48	47
600	280	1000	3.00	750	53	46	55	51	50	49
700	330	1200	3.00	750	55	49	57	53	52	51

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Size 10 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	0.60	150	32	23	20	<20	<20	<20
200	95	340	0.60	150	33	28	31	29	26	20
300	140	510	0.60	150	37	34	36	33	29	26
400	190	680	0.60	150	38	37	38	35	31	28
500	230	850	0.60	150	39	38	39	36	33	29
600	280	1000	0.60	150	42	39	41	38	34	32
700	330	1200	0.60	150	43	40	43	40	35	33
800	380	1350	0.60	150	44	41	45	41	36	34
900	420	1500	0.60	150	46	42	46	42	37	35
1000	470	1700	0.60	150	47	43	47	43	38	36

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.00	500	38	29	27	26	31	28
200	95	340	2.00	500	41	34	38	36	36	33
300	140	510	2.00	500	43	39	43	42	41	38
400	190	680	2.00	500	44	42	46	46	45	42
500	230	850	2.00	500	46	45	48	49	47	44
600	280	1000	2.00	500	47	47	50	50	48	45
700	330	1200	2.00	500	50	50	52	51	49	46
800	380	1350	2.00	500	51	51	53	52	50	47
900	420	1500	2.00	500	53	52	54	53	51	48
1000	470	1700	2.00	500	54	53	56	54	52	49

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.00	250	33	25	24	22	22	<20
200	95	340	1.00	250	34	31	33	31	30	25
300	140	510	1.00	250	41	36	39	38	35	32
400	190	680	1.00	250	42	39	42	40	37	35
500	230	850	1.00	250	43	41	44	42	39	36
600	280	1000	1.00	250	44	42	46	44	40	37
700	330	1200	1.00	250	47	45	47	45	41	38
800	380	1350	1.00	250	48	46	49	46	42	39
900	420	1500	1.00	250	49	47	50	47	43	40
1000	470	1700	1.00	250	50	48	51	48	44	41

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.50	625	39	30	28	28	33	33
200	95	340	2.50	625	40	36	40	38	38	35
300	140	510	2.50	625	44	41	44	44	43	40
400	190	680	2.50	625	45	44	47	48	47	44
500	230	850	2.50	625	47	46	50	51	50	47
600	280	1000	2.50	625	49	48	52	52	51	48
700	330	1200	2.50	625	51	51	53	54	52	49
800	380	1350	2.50	625	52	52	55	55	53	50
900	420	1500	2.50	625	54	53	56	56	54	51
1000	470	1700	2.50	625	55	55	57	57	55	52

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.50	375	36	28	26	25	28	23
200	95	340	1.50	375	37	32	36	34	34	30
300	140	510	1.50	375	42	37	41	40	39	36
400	190	680	1.50	375	43	41	44	44	42	39
500	230	850	1.50	375	44	44	47	46	44	41
600	280	1000	1.50	375	45	45	49	48	45	42
700	330	1200	1.50	375	49	47	50	49	46	43
800	380	1350	1.50	375	50	48	51	50	47	44
900	420	1500	1.50	375	52	49	53	51	48	45
1000	470	1700	1.50	375	53	50	54	52	49	46

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	3.00	750	40	31	30	29	34	34
200	95	340	3.00	750	41	38	41	39	39	37
300	140	510	3.00	750	45	42	45	45	45	42
400	190	680	3.00	750	46	45	48	49	48	45
500	230	850	3.00	750	48	47	51	52	51	48
600	280	1000	3.00	750	50	49	53	54	53	50
700	330	1200	3.00	750	52	52	54	56	54	52
800	380	1350	3.00	750	53	53	56	57	55	53
900	420	1500	3.00	750	55	54	57	58	56	54
1000	470	1700	3.00	750	56	56	58	59	57	55

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Size 12 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	0.60	150	28	29	23	25	22	< 20
400	190	680	0.60	150	35	39	31	34	33	26
600	280	1000	0.60	150	40	44	33	37	34	27
800	380	1350	0.60	150	44	49	36	39	36	32
1000	470	1700	0.60	150	45	52	38	41	37	35
1200	560	2050	0.60	150	47	53	40	42	38	36
1400	660	2400	0.60	150	49	55	44	45	40	37
1500	710	2550	0.60	150	50	56	45	47	42	38

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	32	32	31	34	35	33
400	190	680	2.00	500	39	42	39	43	42	37
600	280	1000	2.00	500	43	48	45	49	48	43
800	380	1350	2.00	500	47	52	48	53	52	46
1000	470	1700	2.00	500	48	55	50	54	53	47
1200	560	2050	2.00	500	50	58	52	55	54	48
1400	660	2400	2.00	500	53	60	53	56	55	49
1500	710	2550	2.00	500	54	61	54	57	56	50

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.00	250	29	30	27	29	28	21
400	190	680	1.00	250	36	40	34	38	37	30
600	280	1000	1.00	250	41	46	39	43	41	35
800	380	1350	1.00	250	45	50	41	45	43	37
1000	470	1700	1.00	250	46	53	44	46	44	38
1200	560	2050	1.00	250	48	56	45	47	45	39
1400	660	2400	1.00	250	51	58	47	50	46	40
1500	710	2550	1.00	250	52	59	50	51	47	41

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.50	625	34	33	34	36	37	37
400	190	680	2.50	625	41	43	42	45	45	40
600	280	1000	2.50	625	45	49	46	51	50	45
800	380	1350	2.50	625	48	53	50	55	54	48
1000	470	1700	2.50	625	49	56	52	57	55	49
1200	560	2050	2.50	625	51	59	53	58	56	50
1400	660	2400	2.50	625	54	61	54	59	57	51
1500	710	2550	2.50	625	55	62	56	60	58	52

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.50	375	30	31	29	32	32	27
400	190	680	1.50	375	37	41	38	42	40	35
600	280	1000	1.50	375	42	47	42	47	46	40
800	380	1350	1.50	375	45	51	46	50	48	41
1000	470	1700	1.50	375	47	54	47	51	49	42
1200	560	2050	1.50	375	49	57	49	52	50	43
1400	660	2400	1.50	375	52	59	51	53	51	44
1500	710	2550	1.50	375	53	60	52	54	52	45

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	3.00	750	35	34	35	37	38	39
400	190	680	3.00	750	42	44	43	46	46	42
600	280	1000	3.00	750	46	50	48	52	52	47
800	380	1350	3.00	750	49	54	51	56	56	50
1000	470	1700	3.00	750	50	57	53	58	57	52
1200	560	2050	3.00	750	52	60	54	60	59	53
1400	660	2400	3.00	750	55	62	56	61	60	54
1500	710	2550	3.00	750	56	63	57	62	61	55

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Size 14 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	0.60	150	22	25	31	29	30	25
400	189	680	0.60	150	35	36	39	34	35	29
600	283	1019	0.60	150	43	43	44	40	37	32
800	378	1359	0.60	150	48	48	47	43	40	35
1000	472	1699	0.60	150	53	51	49	46	43	37
1200	566	2039	0.60	150	56	54	52	49	45	39
1400	661	2379	0.60	150	59	57	54	51	46	41
1600	755	2718	0.60	150	62	59	55	52	47	42
1800	850	3058	0.60	150	64	61	57	54	48	43
2000	944	3398	0.60	150	67	62	58	56	49	44
2200	1038	3738	0.60	150	69	64	59	57	50	45
2400	1133	4078	0.60	150	71	66	60	59	51	46

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.00	500	28	32	42	40	43	38
400	189	680	2.00	500	41	44	50	45	48	42
600	283	1019	2.00	500	49	50	54	50	49	45
800	378	1359	2.00	500	55	55	58	54	52	48
1000	472	1699	2.00	500	59	59	60	57	55	50
1200	566	2039	2.00	500	63	62	63	60	58	52
1400	661	2379	2.00	500	65	64	65	61	59	54
1600	755	2718	2.00	500	67	66	66	62	60	55
1800	850	3058	2.00	500	70	67	67	64	61	56
2000	944	3398	2.00	500	72	69	68	65	62	57
2200	1038	3738	2.00	500	74	70	69	67	63	57
2400	1133	4078	2.00	500	76	72	71	69	64	58

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	1.00	250	24	28	36	33	35	30
400	189	680	1.00	250	37	39	44	39	40	34
600	283	1019	1.00	250	45	46	48	44	42	37
800	378	1359	1.00	250	51	51	52	48	45	40
1000	472	1699	1.00	250	56	55	54	51	48	43
1200	566	2039	1.00	250	59	58	56	53	50	45
1400	661	2379	1.00	250	62	60	58	55	52	46
1600	755	2718	1.00	250	64	62	60	56	53	47
1800	850	3058	1.00	250	67	64	61	58	54	49
2000	944	3398	1.00	250	69	65	62	60	55	49
2200	1038	3738	1.00	250	71	66	63	62	56	50
2400	1133	4078	1.00	250	73	68	64	63	56	51

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.50	625	29	33	44	42	45	41
400	189	680	2.50	625	42	45	52	48	50	44
600	283	1019	2.50	625	50	52	56	52	51	48
800	378	1359	2.50	625	56	56	60	56	55	51
1000	472	1699	2.50	625	60	60	62	59	58	53
1200	566	2039	2.50	625	64	63	65	62	60	55
1400	661	2379	2.50	625	66	65	67	63	62	57
1600	755	2718	2.50	625	69	67	68	64	63	58
1800	850	3058	2.50	625	71	69	69	66	64	59
2000	944	3398	2.50	625	73	70	70	67	65	59
2200	1038	3738	2.50	625	75	71	71	69	65	60
2400	1133	4078	2.50	625	77	73	72	71	66	60

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	1.50	375	26	30	40	37	40	35
400	189	680	1.50	375	40	42	48	43	45	39
600	283	1019	1.50	375	48	49	52	48	46	42
800	378	1359	1.50	375	53	53	56	51	49	45
1000	472	1699	1.50	375	58	57	58	55	52	47
1200	566	2039	1.50	375	61	60	60	57	55	49
1400	661	2379	1.50	375	64	62	62	59	56	51
1600	755	2718	1.50	375	66	64	63	60	57	52
1800	850	3058	1.50	375	69	66	65	61	58	53
2000	944	3398	1.50	375	71	67	66	63	59	54
2200	1038	3738	1.50	375	73	68	67	65	60	54
2400	1133	4078	1.50	375	75	70	68	67	61	55

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	3.00	750	30	35	46	44	47	43
400	189	680	3.00	750	43	46	54	49	52	46
600	283	1019	3.00	750	51	53	58	54	53	50
800	378	1359	3.00	750	57	58	62	58	56	53
1000	472	1699	3.00	750	61	61	64	61	60	55
1200	566	2039	3.00	750	65	64	66	63	62	57
1400	661	2379	3.00	750	67	66	68	65	63	59
1600	755	2718	3.00	750	69	68	70	66	65	60
1800	850	3058	3.00	750	72	70	71	67	66	61
2000	944	3398	3.00	750	74	71	72	69	67	61
2200	1038	3738	3.00	750	76	72	73	71	67	62
2400	1133	4078	3.00	750	78	74	74	73	68	62

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Dual 10 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	0.60	150	42	39	34	30	26	<20
400	190	680	0.60	150	44	40	37	33	32	25
600	280	1000	0.60	150	48	43	39	37	36	30
800	380	1350	0.60	150	50	46	40	39	38	32
1000	470	1700	0.60	150	52	47	41	40	39	33
1200	560	2050	0.60	150	53	50	44	41	40	35
1400	660	2400	0.60	150	54	51	45	42	41	36
1600	750	2700	0.60	150	56	52	47	43	42	37
1800	850	3050	0.60	150	57	53	48	45	44	38
2000	940	3400	0.60	150	58	54	49	46	45	41

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	2.00	500	50	48	47	44	41	37
400	190	680	2.00	500	51	51	48	45	44	40
600	280	1000	2.00	500	53	53	49	48	48	43
800	380	1350	2.00	500	56	56	51	51	51	46
1000	470	1700	2.00	500	59	58	52	52	53	47
1200	560	2050	2.00	500	61	59	54	53	54	48
1400	660	2400	2.00	500	63	60	55	54	55	49
1600	750	2700	2.00	500	66	62	56	55	56	50
1800	850	3050	2.00	500	67	64	57	56	57	51
2000	940	3400	2.00	500	69	65	59	57	58	52

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	1.00	250	46	43	40	36	33	28
400	190	680	1.00	250	47	46	41	39	37	31
600	280	1000	1.00	250	51	48	43	42	41	36
800	380	1350	1.00	250	52	49	45	44	44	38
1000	470	1700	1.00	250	54	51	47	45	45	39
1200	560	2050	1.00	250	58	53	48	46	46	40
1400	660	2400	1.00	250	60	55	49	47	47	41
1600	750	2700	1.00	250	62	57	51	49	48	42
1800	850	3050	1.00	250	63	58	52	50	49	43
2000	940	3400	1.00	250	64	59	53	51	50	44

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	2.50	625	51	49	48	46	44	41
400	190	680	2.50	625	52	53	50	48	46	42
600	280	1000	2.50	625	54	55	51	50	49	46
800	380	1350	2.50	625	57	57	52	53	52	48
1000	470	1700	2.50	625	60	59	54	54	55	50
1200	560	2050	2.50	625	62	61	55	55	57	51
1400	660	2400	2.50	625	64	62	57	56	58	52
1600	750	2700	2.50	625	67	64	58	57	59	53
1800	850	3050	2.50	625	68	65	59	58	60	54
2000	940	3400	2.50	625	70	67	60	59	61	55

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	1.50	375	47	46	44	41	38	34
400	190	680	1.50	375	48	49	46	42	41	36
600	280	1000	1.50	375	52	51	47	45	45	40
800	380	1350	1.50	375	54	53	48	48	48	42
1000	470	1700	1.50	375	58	55	50	49	49	43
1200	560	2050	1.50	375	60	57	52	50	50	44
1400	660	2400	1.50	375	62	58	53	51	51	45
1600	750	2700	1.50	375	65	60	54	52	52	46
1800	850	3050	1.50	375	66	62	55	53	53	47
2000	940	3400	1.50	375	68	63	56	54	54	48

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	95	340	3.00	750	52	54	51	48	45	43
400	190	680	3.00	750	53	55	52	49	47	44
600	280	1000	3.00	750	55	56	53	52	51	47
800	380	1350	3.00	750	58	58	54	54	54	50
1000	470	1700	3.00	750	61	60	55	56	57	52
1200	560	2050	3.00	750	63	62	57	57	59	54
1400	660	2400	3.00	750	65	63	58	58	60	55
1600	750	2700	3.00	750	68	65	59	59	61	56
1800	850	3050	3.00	750	69	66	60	60	62	57
2000	940	3400	3.00	750	71	68	61	61	63	58

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Dual 12 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	0.60	150	41	37	30	31	27	<20
800	380	1350	0.60	150	45	43	36	39	37	29
1200	560	2050	0.60	150	51	48	38	41	38	31
1600	750	2700	0.60	150	55	51	40	43	39	34
2000	940	3400	0.60	150	57	53	42	45	42	41
2400	1150	4050	0.60	150	58	56	45	47	43	42
2800	1300	4750	0.60	150	59	57	46	48	44	43
3000	1400	5100	0.60	150	60	58	47	49	45	44

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	2.00	500	48	44	39	41	40	37
800	380	1350	2.00	500	52	51	46	48	47	42
1200	560	2050	2.00	500	57	57	49	53	52	47
1600	750	2700	2.00	500	61	60	53	57	55	48
2000	940	3400	2.00	500	65	63	56	59	56	49
2400	1150	4050	2.00	500	67	65	58	60	57	50
2800	1300	4750	2.00	500	69	66	59	61	58	51
3000	1400	5100	2.00	500	70	67	60	62	59	52

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	1.00	250	42	40	33	35	32	25
800	380	1350	1.00	250	50	47	40	43	41	35
1200	560	2050	1.00	250	55	51	44	48	45	39
1600	750	2700	1.00	250	58	55	46	49	46	40
2000	940	3400	1.00	250	61	57	49	51	47	42
2400	1150	4050	1.00	250	64	60	54	55	50	44
2800	1300	4750	1.00	250	65	62	57	57	52	45
3000	1400	5100	1.00	250	66	63	58	58	53	46

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	2.50	625	49	45	40	42	42	42
800	380	1350	2.50	625	53	52	47	50	49	44
1200	560	2050	2.50	625	58	58	51	55	54	49
1600	750	2700	2.50	625	62	62	55	58	57	52
2000	940	3400	2.50	625	66	64	58	61	60	54
2400	1150	4050	2.50	625	68	66	59	62	61	55
2800	1300	4750	2.50	625	70	67	60	63	62	56
3000	1400	5100	2.50	625	71	69	61	64	63	57

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	1.50	375	43	42	36	38	37	31
800	380	1350	1.50	375	51	50	43	46	44	39
1200	560	2050	1.50	375	56	54	47	51	50	44
1600	750	2700	1.50	375	60	58	51	54	52	45
2000	940	3400	1.50	375	64	60	53	56	53	46
2400	1150	4050	1.50	375	66	63	56	58	54	47
2800	1300	4750	1.50	375	68	64	58	59	56	48
3000	1400	5100	1.50	375	69	66	59	60	57	49

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	3.00	750	50	46	41	43	44	46
800	380	1350	3.00	750	54	53	48	51	50	48
1200	560	2050	3.00	750	59	59	53	56	55	50
1600	750	2700	3.00	750	63	63	56	60	59	54
2000	940	3400	3.00	750	67	65	59	63	62	56
2400	1150	4050	3.00	750	69	68	60	65	63	57
2800	1300	4750	3.00	750	71	69	61	65	64	58
3000	1400	5100	3.00	750	72	70	62	66	65	59

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Size 214 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	0.60	150	26	37	33	32	20	<20
800	378	1359	0.60	150	40	45	42	40	32	23
1200	566	2039	0.60	150	48	50	47	44	39	30
1600	755	2718	0.60	150	54	54	52	49	44	35
2000	944	3398	0.60	150	59	56	55	52	47	40
2400	1133	4078	0.60	150	61	59	58	54	50	43
2800	1321	4757	0.60	150	64	61	60	56	53	45
3200	1510	5437	0.60	150	67	63	63	58	55	47
3600	1699	6116	0.60	150	69	65	65	60	56	48
4000	1888	6796	0.60	150	74	68	68	61	57	50
4400	2077	7476	0.60	150	76	70	70	64	61	56
4800	2265	8155	0.60	150	78	72	72	65	62	58

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	2.00	500	34	45	44	43	31	25
800	378	1359	2.00	500	47	54	53	51	43	36
1200	566	2039	2.00	500	55	59	58	56	50	43
1600	755	2718	2.00	500	61	62	63	60	55	48
2000	944	3398	2.00	500	65	65	66	63	59	52
2400	1133	4078	2.00	500	68	68	69	65	61	56
2800	1321	4757	2.00	500	69	70	70	67	64	58
3200	1510	5437	2.00	500	72	71	72	68	66	59
3600	1699	6116	2.00	500	74	73	73	70	66	59
4000	1888	6796	2.00	500	81	77	77	71	65	60
4400	2077	7476	2.00	500	83	80	81	74	72	69
4800	2265	8155	2.00	500	85	82	82	76	74	71

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	1.00	250	29	41	37	37	25	<20
800	378	1359	1.00	250	43	49	47	45	37	29
1200	566	2039	1.00	250	51	54	52	49	43	36
1600	755	2718	1.00	250	57	57	56	54	48	41
2000	944	3398	1.00	250	61	60	60	57	52	45
2400	1133	4078	1.00	250	64	63	63	59	55	48
2800	1321	4757	1.00	250	66	65	64	61	57	51
3200	1510	5437	1.00	250	69	66	67	62	59	52
3600	1699	6116	1.00	250	71	68	68	64	60	53
4000	1888	6796	1.00	250	77	72	72	65	61	54
4400	2077	7476	1.00	250	79	74	75	68	66	61
4800	2265	8155	1.00	250	81	76	76	70	67	63

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	2.50	625	35	47	46	45	33	27
800	378	1359	2.50	625	49	55	55	53	45	39
1200	566	2039	2.50	625	57	60	60	58	52	46
1600	755	2718	2.50	625	63	64	65	62	57	51
2000	944	3398	2.50	625	66	67	68	65	61	55
2400	1133	4078	2.50	625	69	69	71	67	64	58
2800	1321	4757	2.50	625	70	71	72	69	66	60
3200	1510	5437	2.50	625	73	72	74	70	68	61
3600	1699	6116	2.50	625	75	74	75	71	68	61
4000	1888	6796	2.50	625	82	79	79	72	67	62
4400	2077	7476	2.50	625	84	81	82	76	75	71
4800	2265	8155	2.50	625	86	83	84	78	76	73

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	1.50	375	32	43	41	40	28	22
800	378	1359	1.50	375	46	52	50	49	40	33
1200	566	2039	1.50	375	54	57	56	53	47	40
1600	755	2718	1.50	375	60	60	60	57	52	45
2000	944	3398	1.50	375	64	63	63	60	56	49
2400	1133	4078	1.50	375	66	65	66	63	59	53
2800	1321	4757	1.50	375	68	68	68	64	61	55
3200	1510	5437	1.50	375	71	69	70	66	63	56
3600	1699	6116	1.50	375	73	71	71	67	64	56
4000	1888	6796	1.50	375	79	75	75	68	63	57
4400	2077	7476	1.50	375	81	77	78	72	70	66
4800	2265	8155	1.50	375	83	79	80	73	71	68

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	3.00	750	36	48	48	47	35	29
800	378	1359	3.00	750	50	57	57	55	47	41
1200	566	2039	3.00	750	58	62	62	59	54	48
1600	755	2718	3.00	750	64	65	66	64	59	53
2000	944	3398	3.00	750	68	68	70	67	63	57
2400	1133	4078	3.00	750	70	70	72	69	65	60
2800	1321	4757	3.00	750	71	72	74	70	67	62
3200	1510	5437	3.00	750	74	74	76	72	69	62
3600	1699	6116	3.00	750	75	75	76	73	70	63
4000	1888	6796	3.00	750	83	81	80	74	68	63
4400	2077	7476	3.00	750	85	83	84	78	76	73
4800	2265	8155	3.00	750	87	85	86	79	78	75

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Triple 12 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	0.60	150	40	36	29	30	26	<20
1200	560	2050	0.60	150	44	42	35	38	36	28
1800	850	3050	0.60	150	50	47	37	40	37	30
2400	1150	4050	0.60	150	54	50	39	42	38	33
3000	1400	5100	0.60	150	56	52	41	44	41	40
3600	1700	6100	0.60	150	57	55	44	46	42	41
4200	2000	7150	0.60	150	58	56	45	47	43	42
4500	2100	7650	0.60	150	59	57	46	48	44	43

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	2.00	500	47	43	38	40	39	36
1200	560	2050	2.00	500	51	50	45	47	46	41
1800	850	3050	2.00	500	56	56	48	52	51	46
2400	1150	4050	2.00	500	60	59	52	56	54	47
3000	1400	5100	2.00	500	64	62	55	58	55	48
3600	1700	6100	2.00	500	66	64	57	59	56	49
4200	2000	7150	2.00	500	68	65	58	60	57	50
4500	2100	7650	2.00	500	69	66	59	61	58	51

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	1.00	250	41	39	32	34	31	24
1200	560	2050	1.00	250	49	46	39	42	40	34
1800	850	3050	1.00	250	54	50	43	47	44	38
2400	1150	4050	1.00	250	57	54	45	48	45	39
3000	1400	5100	1.00	250	60	56	48	50	46	41
3600	1700	6100	1.00	250	63	59	53	54	49	43
4200	2000	7150	1.00	250	64	61	56	56	51	44
4500	2100	7650	1.00	250	65	62	57	57	52	45

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	2.50	625	48	44	39	41	41	41
1200	560	2050	2.50	625	52	51	46	49	48	43
1800	850	3050	2.50	625	57	57	50	54	53	48
2400	1150	4050	2.50	625	61	61	54	57	56	51
3000	1400	5100	2.50	625	65	63	57	60	59	53
3600	1700	6100	2.50	625	67	65	58	61	60	54
4200	2000	7150	2.50	625	69	66	59	62	61	55
4500	2100	7650	2.50	625	70	68	60	63	62	56

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	1.50	375	42	41	35	37	36	30
1200	560	2050	1.50	375	50	49	42	45	43	38
1800	850	3050	1.50	375	55	53	46	50	49	43
2400	1150	4050	1.50	375	59	57	50	53	51	44
3000	1400	5100	1.50	375	63	59	52	55	52	45
3600	1700	6100	1.50	375	65	62	55	57	53	46
4200	2000	7150	1.50	375	67	63	57	58	55	47
4500	2100	7650	1.50	375	68	65	58	59	56	48

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	3.00	750	49	45	40	42	43	45
1200	560	2050	3.00	750	53	52	47	50	49	47
1800	850	3050	3.00	750	58	58	52	55	54	49
2400	1150	4050	3.00	750	62	62	55	59	58	53
3000	1400	5100	3.00	750	66	64	58	62	61	55
3600	1700	6100	3.00	750	68	67	59	64	62	56
4200	2000	7150	3.00	750	70	68	60	64	63	57
4500	2100	7650	3.00	750	71	69	61	65	64	58

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves

Radiated Sound Power Level Performance Data

Triple 14 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	25	36	32	31	29	24
1200	566	2039	0.60	150	39	44	41	39	34	28
1800	850	3058	0.60	150	47	49	46	43	38	31
2400	1133	4078	0.60	150	53	53	51	48	43	34
3000	1416	5097	0.60	150	58	55	54	51	46	39
3600	1699	6116	0.60	150	60	58	57	53	49	42
4200	1982	7136	0.60	150	63	60	59	55	52	44
4800	2265	8155	0.60	150	66	62	62	57	54	46
5400	2549	9175	0.60	150	68	64	64	59	55	47
6000	2832	10194	0.60	150	73	67	67	60	56	49
6600	3115	11213	0.60	150	75	69	69	63	60	55
7200	3398	12233	0.60	150	77	71	71	64	61	57

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.00	500	33	44	43	42	42	37
1200	566	2039	2.00	500	46	53	52	50	47	41
1800	850	3058	2.00	500	54	58	57	55	49	44
2400	1133	4078	2.00	500	60	61	62	59	54	48
3000	1416	5097	2.00	500	64	64	65	62	58	51
3600	1699	6116	2.00	500	67	67	68	64	60	55
4200	1982	7136	2.00	500	68	69	69	66	63	57
4800	2265	8155	2.00	500	71	70	71	67	65	58
5400	2549	9175	2.00	500	73	72	72	69	65	58
6000	2832	10194	2.00	500	80	76	76	70	64	59
6600	3115	11213	2.00	500	82	79	80	73	71	68
7200	3398	12233	2.00	500	84	81	81	75	73	70

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.00	250	28	40	37	36	34	29
1200	566	2039	1.00	250	42	48	46	44	39	33
1800	850	3058	1.00	250	50	53	51	48	43	36
2400	1133	4078	1.00	250	56	56	55	53	47	40
3000	1416	5097	1.00	250	60	59	59	56	51	44
3600	1699	6116	1.00	250	63	62	62	58	54	47
4200	1982	7136	1.00	250	65	64	63	60	56	50
4800	2265	8155	1.00	250	68	65	66	61	58	51
5400	2549	9175	1.00	250	70	67	67	63	59	52
6000	2832	10194	1.00	250	76	71	71	64	60	53
6600	3115	11213	1.00	250	78	73	74	67	65	60
7200	3398	12233	1.00	250	80	75	75	69	66	62

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	34	46	45	44	44	40
1200	566	2039	2.50	625	48	54	54	52	49	43
1800	850	3058	2.50	625	56	59	59	57	51	47
2400	1133	4078	2.50	625	62	63	64	61	56	50
3000	1416	5097	2.50	625	65	66	67	64	60	54
3600	1699	6116	2.50	625	68	68	70	66	63	57
4200	1982	7136	2.50	625	69	70	71	68	65	59
4800	2265	8155	2.50	625	72	71	73	69	67	60
5400	2549	9175	2.50	625	74	73	74	70	67	60
6000	2832	10194	2.50	625	81	78	78	71	66	61
6600	3115	11213	2.50	625	83	80	81	75	74	70
7200	3398	12233	2.50	625	85	82	83	77	75	72

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.50	375	31	42	40	39	39	34
1200	566	2039	1.50	375	45	51	49	48	44	38
1800	850	3058	1.50	375	53	56	55	52	46	41
2400	1133	4078	1.50	375	59	59	59	56	51	44
3000	1416	5097	1.50	375	63	62	62	59	55	48
3600	1699	6116	1.50	375	65	64	65	62	58	52
4200	1982	7136	1.50	375	67	67	67	63	60	54
4800	2265	8155	1.50	375	70	68	69	65	62	55
5400	2549	9175	1.50	375	72	70	70	66	63	55
6000	2832	10194	1.50	375	78	74	74	67	62	56
6600	3115	11213	1.50	375	80	76	77	71	69	65
7200	3398	12233	1.50	375	82	78	79	72	70	67

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	3.00	750	35	47	47	46	46	42
1200	566	2039	3.00	750	49	56	56	54	51	45
1800	850	3058	3.00	750	57	61	61	58	53	49
2400	1133	4078	3.00	750	63	64	65	63	58	52
3000	1416	5097	3.00	750	67	67	69	66	62	56
3600	1699	6116	3.00	750	69	69	71	68	64	59
4200	1982	7136	3.00	750	70	71	73	69	66	61
4800	2265	8155	3.00	750	73	73	75	71	68	61
5400	2549	9175	3.00	750	74	74	75	72	69	62
6000	2832	10194	3.00	750	82	80	79	73	67	62
6600	3115	11213	3.00	750	84	82	83	77	75	72
7200	3398	12233	3.00	750	86	84	85	78	77	74

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Quad 12 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	0.60	150	44	40	33	34	30	<20
1600	750	2700	0.60	150	48	46	39	42	40	32
2400	1150	4100	0.60	150	54	51	41	44	41	34
3200	1500	5450	0.60	150	58	54	43	46	42	37
4000	1900	6800	0.60	150	60	56	45	48	45	44
4800	2250	8150	0.60	150	61	59	48	50	46	45
5600	2650	9500	0.60	150	62	60	49	51	47	46
6000	2850	10200	0.60	150	63	61	50	52	48	47

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	2.00	500	51	47	42	44	43	40
1600	750	2700	2.00	500	55	54	49	51	50	45
2400	1150	4100	2.00	500	60	60	52	56	55	50
3200	1500	5450	2.00	500	64	63	56	60	58	51
4000	1900	6800	2.00	500	68	66	59	62	59	52
4800	2250	8150	2.00	500	70	68	61	63	60	53
5600	2650	9500	2.00	500	72	69	62	64	61	54
6000	2850	10200	2.00	500	73	70	63	65	62	55

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.00	250	45	43	36	38	35	28
1600	750	2700	1.00	250	53	50	43	46	44	38
2400	1150	4100	1.00	250	58	54	47	51	48	42
3200	1500	5450	1.00	250	61	58	49	52	49	43
4000	1900	6800	1.00	250	64	60	52	54	50	45
4800	2250	8150	1.00	250	67	63	57	58	53	47
5600	2650	9500	1.00	250	68	65	60	60	55	48
6000	2850	10200	1.00	250	69	66	61	61	56	49

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	2.50	625	52	48	43	45	45	45
1600	750	2700	2.50	625	56	55	50	53	52	47
2400	1150	4100	2.50	625	61	61	54	58	57	52
3200	1500	5450	2.50	625	65	65	58	61	60	55
4000	1900	6800	2.50	625	69	67	61	64	63	57
4800	2250	8150	2.50	625	71	69	62	65	64	58
5600	2650	9500	2.50	625	73	70	63	66	65	59
6000	2850	10200	2.50	625	74	72	64	67	66	60

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.50	375	46	45	39	41	40	34
1600	750	2700	1.50	375	54	53	46	49	47	42
2400	1150	4100	1.50	375	59	57	50	54	53	47
3200	1500	5450	1.50	375	63	61	54	57	55	48
4000	1900	6800	1.50	375	67	63	56	59	56	49
4800	2250	8150	1.50	375	69	66	59	61	57	50
5600	2650	9500	1.50	375	71	67	61	62	59	51
6000	2850	10200	1.50	375	72	69	62	63	60	52

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	3.00	750	53	49	44	46	47	49
1600	750	2700	3.00	750	57	56	51	54	53	51
2400	1150	4100	3.00	750	62	62	56	59	58	53
3200	1500	5450	3.00	750	66	66	59	63	62	57
4000	1900	6800	3.00	750	70	68	62	66	65	59
4800	2250	8150	3.00	750	72	71	63	68	66	60
5600	2650	9500	3.00	750	74	72	64	68	67	61
6000	2850	10200	3.00	750	75	73	65	69	68	62

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Airflow Control Valves Radiated Sound Power Level Performance Data Quad 12 (with or without Neutralizer)

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	0.60	150	29	40	36	35	23	< 20
1600	755	2718	0.60	150	43	48	45	43	35	26
2400	1133	4078	0.60	150	51	53	50	47	42	33
3200	1510	5437	0.60	150	57	57	55	52	47	38
4000	1888	6796	0.60	150	62	59	58	55	50	43
4800	2265	8155	0.60	150	64	62	61	57	53	46
5600	2643	9514	0.60	150	67	64	63	59	56	48
6400	3020	10874	0.60	150	70	66	66	61	58	50
7200	3398	12233	0.60	150	72	68	68	63	59	51
8000	3776	13592	0.60	150	77	71	71	64	60	53
8800	4153	14951	0.60	150	79	73	73	67	64	59
9600	4531	16311	0.60	150	81	75	75	68	65	61

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	2.00	500	37	48	47	46	34	28
1600	755	2718	2.00	500	50	57	56	54	46	39
2400	1133	4078	2.00	500	58	62	61	59	53	46
3200	1510	5437	2.00	500	64	65	66	63	58	51
4000	1888	6796	2.00	500	68	68	69	66	62	55
4800	2265	8155	2.00	500	71	71	72	68	64	59
5600	2643	9514	2.00	500	72	73	73	70	67	61
6400	3020	10874	2.00	500	75	74	75	71	69	62
7200	3398	12233	2.00	500	77	76	76	73	69	62
8000	3776	13592	2.00	500	84	80	80	74	68	63
8800	4153	14951	2.00	500	86	83	84	77	75	72
9600	4531	16311	2.00	500	88	85	85	79	77	74

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	1.00	250	32	44	40	40	28	22
1600	755	2718	1.00	250	46	52	50	48	40	32
2400	1133	4078	1.00	250	54	57	55	52	46	39
3200	1510	5437	1.00	250	60	60	59	57	51	44
4000	1888	6796	1.00	250	64	63	63	60	55	48
4800	2265	8155	1.00	250	67	66	66	62	58	51
5600	2643	9514	1.00	250	69	68	67	64	60	54
6400	3020	10874	1.00	250	72	69	70	65	62	55
7200	3398	12233	1.00	250	74	71	71	67	63	56
8000	3776	13592	1.00	250	80	75	75	68	64	57
8800	4153	14951	1.00	250	82	77	78	71	69	64
9600	4531	16311	1.00	250	84	79	79	73	70	66

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	2.50	625	38	50	49	48	36	30
1600	755	2718	2.50	625	52	58	58	56	48	42
2400	1133	4078	2.50	625	60	63	63	61	55	49
3200	1510	5437	2.50	625	66	67	68	65	60	54
4000	1888	6796	2.50	625	69	70	71	68	64	58
4800	2265	8155	2.50	625	72	72	74	70	67	61
5600	2643	9514	2.50	625	73	74	75	72	69	63
6400	3020	10874	2.50	625	76	75	77	73	71	64
7200	3398	12233	2.50	625	78	77	78	74	71	64
8000	3776	13592	2.50	625	85	82	82	75	70	65
8800	4153	14951	2.50	625	87	84	85	79	78	74
9600	4531	16311	2.50	625	89	86	87	81	79	76

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	1.50	375	35	46	44	43	31	25
1600	755	2718	1.50	375	49	55	53	52	43	36
2400	1133	4078	1.50	375	57	60	59	56	50	43
3200	1510	5437	1.50	375	63	63	63	60	55	48
4000	1888	6796	1.50	375	67	66	66	63	59	52
4800	2265	8155	1.50	375	69	68	69	66	62	56
5600	2643	9514	1.50	375	71	71	71	67	64	58
6400	3020	10874	1.50	375	74	72	73	69	66	59
7200	3398	12233	1.50	375	76	74	74	70	67	59
8000	3776	13592	1.50	375	82	78	78	71	66	60
8800	4153	14951	1.50	375	84	80	81	75	73	69
9600	4531	16311	1.50	375	86	82	83	76	74	71

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	3.00	750	39	51	51	50	38	32
1600	755	2718	3.00	750	53	60	60	58	50	44
2400	1133	4078	3.00	750	61	65	65	62	57	51
3200	1510	5437	3.00	750	67	68	69	67	62	56
4000	1888	6796	3.00	750	71	71	73	70	66	60
4800	2265	8155	3.00	750	73	73	75	72	68	63
5600	2643	9514	3.00	750	74	75	77	73	70	65
6400	3020	10874	3.00	750	77	77	79	75	72	65
7200	3398	12233	3.00	750	78	78	79	76	73	66
8000	3776	13592	3.00	750	86	84	83	77	71	66
8800	4153	14951	3.00	750	88	86	87	81	79	76
9600	4531	16311	3.00	750	90	88	89	82	81	78

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted through the valve body.