AIRCONCEPTS

Performance Data Sheet

Factory Ventilation Outlet

MODEL	Discharge Velocity	1000	1200	1400	1600	1800	2000
FVO-06	CFM	195	235	275	315	355	390
	Total Pressure	0.11	0.16	0.21	0.28	0.35	0.43
	NC	27	32	36	39	42	45
	Projection	5-12-21	7-14-23	8-17-24	10-18-26	11-20-28	12-21-29
FVO-08	CFM	350	420	490	560	630	700
	Total Pressure	0.11	0.15	0.21	0.27	0.34	0.42
	NC	30	34	38	41	44	47
	Projection	7-16-28	9-19-30	11-22-33	13-25-35	14-26-37	16-28-39
FVO-10	CFM	545	655	765	870	980	1090
	Total Pressure	0.10	0.15	0.20	0.26	0.33	0.41
	NC	32	36	40	43	46	49
	Projection	8-20-34	12-24-38	14-28-41	16-31-43	18-33-46	20-34-49
FVO-12	CFM	785	940	1100	1255	1415	1570
	Total Pressure	0.10	0.14	0.19	0.25	0.32	0.39
	NC	33	38	42	45	48	51
	Projection	10-24-41	14-29-45	17-34-49	19-37-52	22-39-55	24-41-58
FVO-14	CFM	1010	1210	1410	1615	1815	2015
	Total Pressure	0.10	0.14	0.19	0.24	0.31	0.38
	NC	34	39	43	46	49	52
	Projection	11-27-47	16-33-51	19-38-55	22-42-59	24-44-63	27-47-66
FVO-16	CFM	1395	1675	1955	2230	2510	2790
	Total Pressure	0.09	0.13	0.18	0.23	0.29	0.36
	NC	36	40	44	48	51	53
	Projection	13-32-55	19-38-60	22-45-65	26-49-70	29-52-74	32-55-78
FVO-18	CFM	1760	2110	2465	2815	3170	3520
	Total Pressure	0.09	0.13	0.17	0.23	0.28	0.35
	NC	37	41	45	49	52	54
	Projection	15-36-62	21-43-68	25-50-73	29-55-78	32-59-83	36-62-87
FVO-20	CFM	2182	2618	3055	3491	3928	4364
	Total Pressure	0.09	0.13	0.17	0.23	0.28	0.35
	NC	37	42	45	49	52	55
	Projection	19-38-64	22-44-70	25-51-75	27-55-80	32-62-88	36-65-94
FVO-22	CFM	2640	3168	3696	4224	4752	5280
	Total Pressure	0.09	0.12	0.17	0.22	0.28	0.34
	NC	38	43	47	51	54	56
	Projection	20-42-70	23-46-78	26-53-82	29-58-88	29-58-90	39-72-106
FVO-24	CFM	3132	3758	4385	5011	5638	6264
	Total Pressure	0.08	0.12	0.16	0.21	0.27	0.33
	NC	39	44	48	52	55	57
	Projection	22-44-75	25-50-88	28-56-95	33-62-100	38-76-108	40-80-112

performance data based on ASHRAE 70-91

Airflow CFM: Standard air density and iso-thermal conditions.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level. Re: 10-12 watts.

Total Pressure: Inches of water gauge required.

Projection: Projection distance [THROW] in feet from the Louver discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Duct Velocity: Duct discharge velocity in feet per minute [fpm].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the Duct Discharge [THROW] 400 fpm, 200 fpm, and 100 fpm respectively.

Factory Ventilation Outlet

MODEL	Discharge Velocity	1000	1200	1400	1600	1800	2000
FVO-26	CFM	3687	4424	5162	5899	6637	7374
	Total Pressure	0.08	0.12	0.16	0.21	0.27	0.33
	NC	40	45	49	53	56	58
	Projection	24-48-82	27-54-92	30-60-102	34-64-109	39-73-116	42-79-126
FVO-28	CFM	4276	5131	5986	6842	7697	8552
	Total Pressure	0.08	0.11	0.15	0.20	0.26	0.32
	NC	41	46	50	54	57	59
	Projection	25-50-85	28-56-95	32-64-109	36-67-114	41-77-123	44-82-132

performance data based on ASHRAE 70-91

Airflow CFM: Standard air density and iso-thermal conditions.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level. Re: 10-12 watts.

Total Pressure: Inches of water gauge required.

Projection: Projection distance [THROW] in feet from the Louver discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Duct Velocity: Duct discharge velocity in feet per minute [fpm].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the Duct Discharge [THROW] 400 fpm, 200 fpm, and 100 fpm respectively.