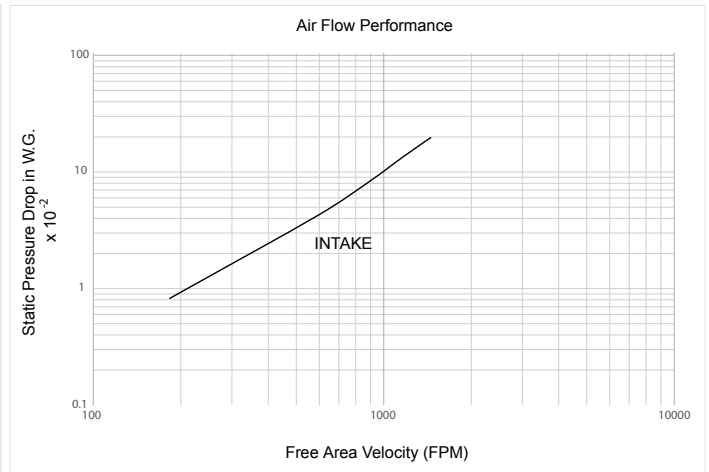
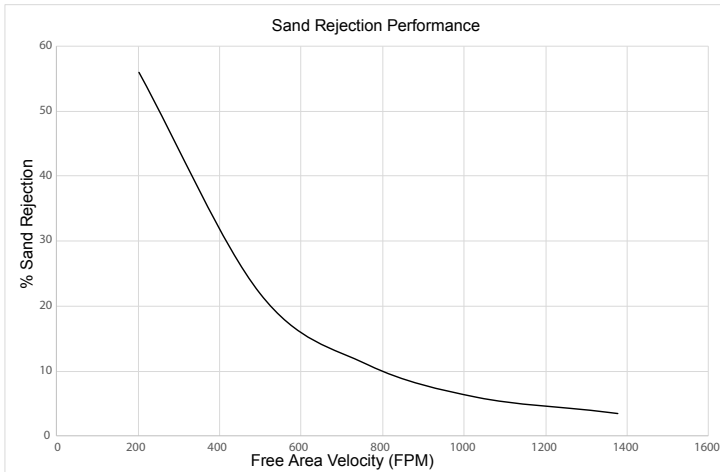


PERFORMANCE DATA



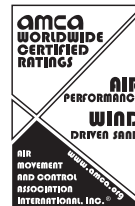
SAND REJECTION PERFORMANCE

Free Area Velocity (fpm)	197	492	787	1083	1378
Effectiveness (%)	56	21.5	10.5	5	3
Penetration Class	D	D	D	D	D

Test Sample size is 48"x48" with a tolerance of +0, -0.25".

Wind driven sand performance data is based on intake performance.

Sand grade mass distribution per AMCA 511.



Central Ventilation Systems certifies that STL4.2 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.

The certified ratings seal applies to wind driven sand and air performance ratings.

Tested for wind driven sand rejection in accordance with AMCA Standard 500-L, Figure 5.12.

FREE AREA CHART (SQF)

Louver	Louver Width (in)																			Louver
Height (in)	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	Height (in)
12	0.19	0.31	0.42	0.53	0.65	0.76	0.88	0.99	1.11	1.22	1.34	1.45	1.57	1.68	1.80	1.91	2.02	2.14	2.25	12
18	0.33	0.53	0.73	0.92	1.12	1.32	1.52	1.72	1.91	2.11	2.31	2.51	2.70	2.90	3.10	3.30	3.50	3.69	3.89	18
24	0.47	0.75	1.03	1.31	1.59	1.88	2.16	2.44	2.72	3.00	3.28	3.56	3.84	4.13	4.41	4.69	4.97	5.25	5.53	24
30	0.61	0.97	1.34	1.70	2.07	2.43	2.80	3.16	3.52	3.89	4.25	4.62	4.98	5.35	5.71	6.08	6.44	6.81	7.17	30
36	0.75	1.19	1.64	2.09	2.54	2.99	3.43	3.88	4.33	4.78	5.23	5.67	6.12	6.57	7.02	7.47	7.91	8.36	8.81	36
42	0.89	1.42	1.95	2.48	3.01	3.54	4.07	4.60	5.14	5.67	6.20	6.73	7.26	7.79	8.32	8.85	9.39	9.92	10.45	42
48	1.02	1.64	2.25	2.87	3.48	4.10	4.71	5.33	5.94	6.56	7.17	7.78	8.40	9.01	9.63	10.24	10.86	11.47	12.09	48
54	1.16	1.86	2.56	3.26	3.95	4.65	5.35	6.05	6.75	7.44	8.14	8.84	9.54	10.24	10.93	11.63	12.33	13.03	13.73	54
60	1.30	2.08	2.86	3.65	4.43	5.21	5.99	6.77	7.55	8.33	9.11	9.90	10.68	11.46	12.24	13.02	13.80	14.58	15.36	60
66	1.44	2.31	3.17	4.03	4.90	5.76	6.63	7.49	8.36	9.22	10.09	10.95	11.82	12.68	13.55	14.41	15.27	16.14	17.00	66
72	1.58	2.53	3.48	4.42	5.37	6.32	7.27	8.22	9.16	10.11	11.06	12.01	12.95	13.90	14.85	15.80	16.75	17.69	18.64	72
78	1.72	2.75	3.78	4.81	5.84	6.88	7.91	8.94	9.97	11.00	12.03	13.06	14.09	15.13	16.16	17.19	18.22	19.25	20.28	78
84	1.86	2.97	4.09	5.20	6.32	7.43	8.55	9.66	10.77	11.89	13.00	14.12	15.23	16.35	17.46	18.58	19.69	20.81	21.92	84
90	2.00	3.19	4.39	5.59	6.79	7.99	9.18	10.38	11.58	12.78	13.98	15.17	16.37	17.57	18.77	19.97	21.16	22.36	23.56	90
96	2.14	3.42	4.70	5.98	7.26	8.54	9.82	11.10	12.39	13.67	14.95	16.23	17.51	18.79	20.07	21.35	22.64	23.92	25.20	96
102	2.27	3.64	5.00	6.37	7.73	9.10	10.46	11.83	13.19	14.56	15.92	17.28	18.65	20.01	21.38	22.74	24.11	25.47	26.84	102
108	2.41	3.86	5.31	6.76	8.20	9.65	11.10	12.55	14.00	15.44	16.89	18.34	19.79	21.24	22.68	24.13	25.58	27.03	28.48	108
114	2.55	4.08	5.61	7.15	8.68	10.21	11.74	13.27	14.80	16.33	17.86	19.40	20.93	22.46	23.99	25.52	27.05	28.58	30.11	114
120	2.69	4.31	5.92	7.53	9.15	10.76	12.38	13.99	15.61	17.22	18.84	20.45	22.07	23.68	25.30	26.91	28.52	30.14	31.75	120

SUGGESTED SPECIFICATION

"Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary with fixed vertical blades formed or extruded and contained within a 3" frame. Where Duct Connection neck or filter rack is installed, frame shall be extended on the discharge side. Louver components (heads, jambs, sills, blades and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30lbs. per sqft."

"Published louver performance bearing the AMCA Certified Ratings Seal for Air Performance & Wind Driven Sand must be submitted for approval prior to fabrication and must demonstrate pressure drop less than the CVS model specified. "

"Louver shall be model STL 4.2, 6063-T6 extruded Aluminum construction as follows:
Frame: 3" Deep, 0.08" nominal wall thickness with sand discharge points at the bottom
Blades: 0.06" nominal wall thickness, blades are spaced at 2" apart"

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