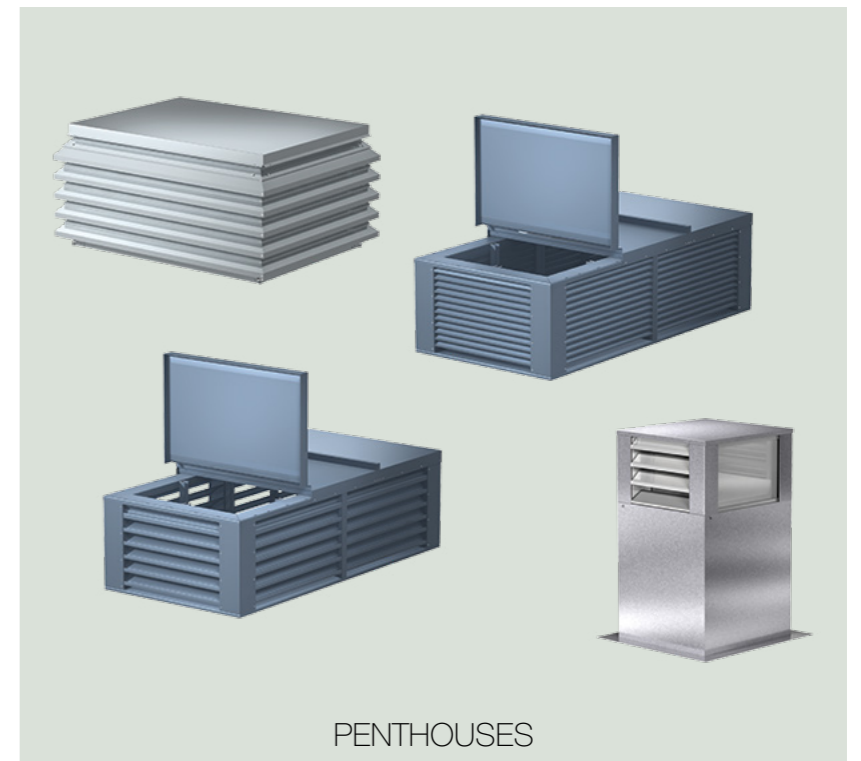
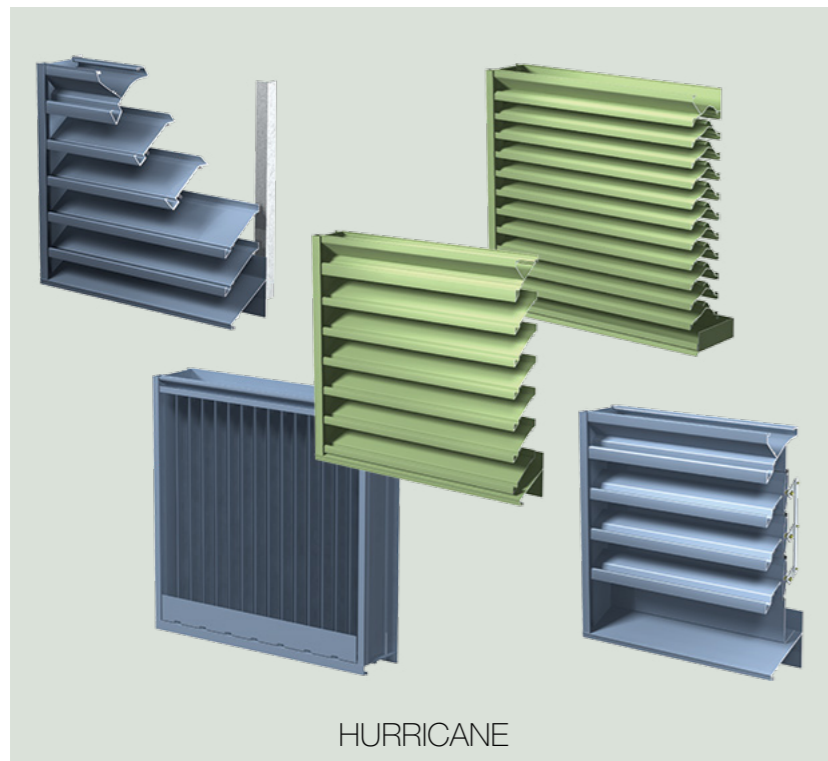
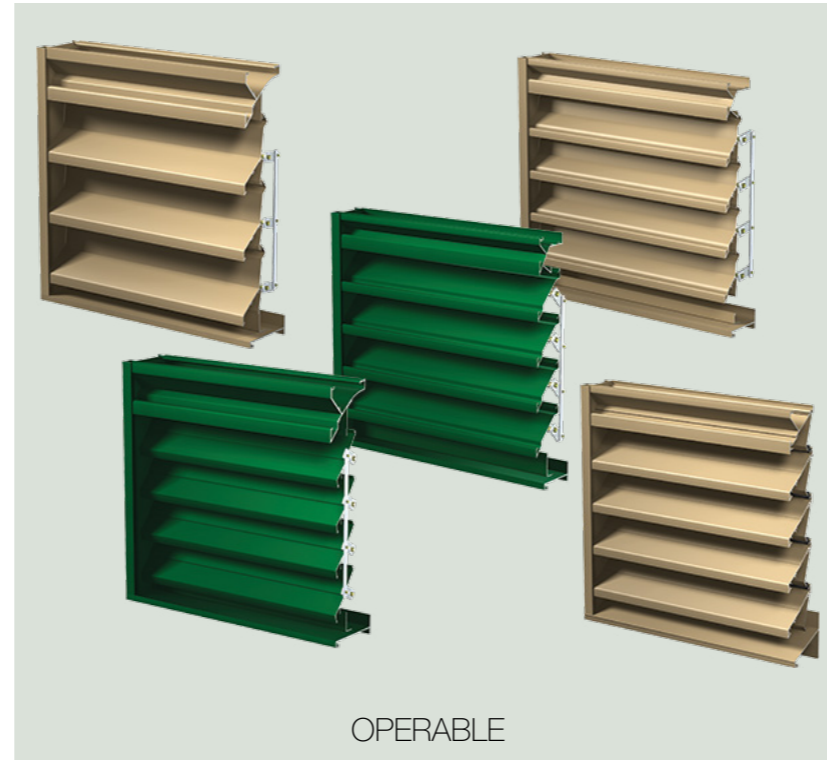
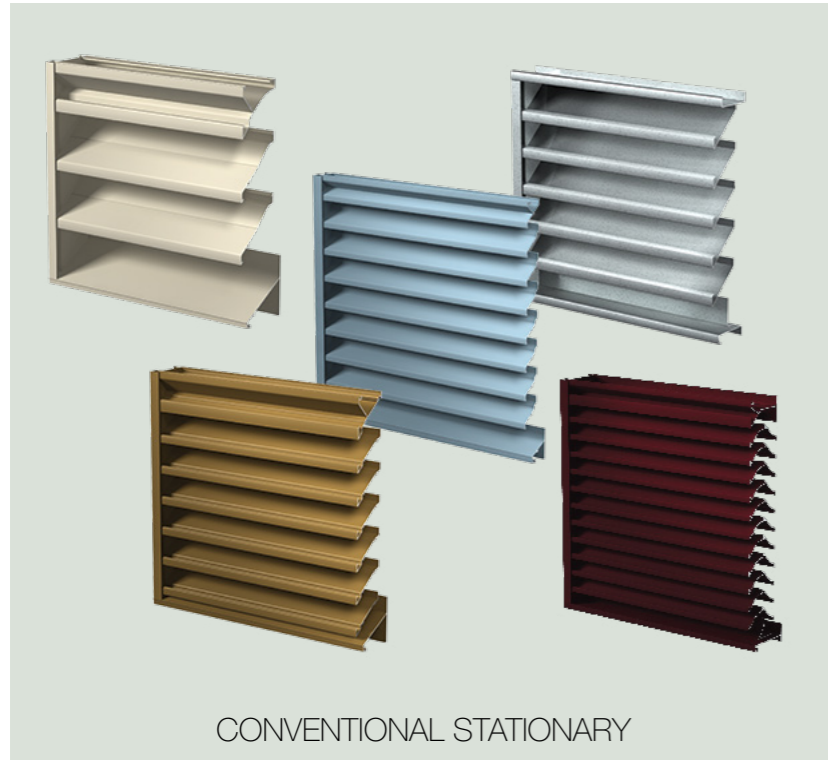


















GREENHECK LOUVERS PRODUCT SELECTION GUIDE















CONVENTIONAL STATIONARY

EXTRUDED ALUMINUM - DRAINABLE BLADE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EDD-401	4	DD	0.081	0.081	AP, WP	8.22	51	992	0.08	8154	8312		
EDD-601	6	DD	0.081	0.081	AP, WP	8.21	51	1107	0.09	9088	8399		
EHM-601	6	DD	0.081	0.081	AP, WP	7.91	49	1065	0.08	8424	6577		
ESD-202	2	D	0.063	0.063	AP, WP	6.01	38	1058	0.13	6359	5963		
ESD-403	4	D	0.081	0.081	AP, WP	8.00	50	1007	0.10	8056	8188		
ESD-435	4	D	0.081	0.081	AP, WP	8.92	56	989	0.07	8822	9219		
ESD-603	6	D	0.081	0.081	AP, WP	8.36	52	1027	0.09	8586	8359		
ESD-635	6	D	0.081	0.081	AP, WP	9.41	59	1250	0.06	11763	9954		

EXTRUDED ALUMINUM - DRAINABLE HEAD

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area, 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EDJ-401	4	J	0.081	0.081	AP, WP	8.32	52	963	0.08	8012	8325		
EDJ-601	6	J	0.081	0.081	AP, WP	8.69	54	998	0.08	8673	8563		
EDK-402	4	K	0.081	0.081	AP, WP	8.49	53	934	0.08	7930	8219		
EDK-430	4	K	0.081	0.081	AP, WP	8.80	55	1002	0.07	8818	9309		
ESID-430 (Intake)	4	K	0.081	0.081	NC	7.66	48	-	-	4979	-		
ESID-430 (Discharge)	4	DC	0.081	0.081	NC	10.88	68	-	-	-	13056		

DD = Dual Drainable, D = Drainable, J = J Style, K = K Style, DC = Discharge
 AP = Air Performance, WP = Water Penetration, NC = Not Certified

STATIONARY LOUVERS Continued >>



CONVENTIONAL STATIONARY *continued*

EXTRUDED ALUMINUM - NON-DRAINABLE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
ESJ-202	2	J	0.063	0.063	AP, WP	6.01	38	688	0.14	4015	5853		
ESJ-401	4	J	0.081	0.081	AP, WP	8.44	53	691	0.09	5832	7962		
ESJ-602	6	J	0.081	0.081	AP, WP	8.73	55	739	0.08	6452	8401		
ESK-402	4	K	0.081	0.081	AP, WP	8.45	53	689	0.08	5822	8216		

EXTRUDED ALUMINUM - SIGHTPROOF

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
SED-401	4	CD	0.081	0.081	AP, WP	5.16	32	747	0.68	3855	2589		
SED-501	5	CD	0.081	0.081	AP, WP	9.11	57	1134	0.15	10331	7364		
SEH-401	4	C	0.081	0.081	AP, WP	5.16	32	765	0.64	3947	2664		
SES-202	2	C	0.063	0.063	AP, WP	3.75	24	516	1.02	1935	2118		

FABRICATED STEEL - DRAINABLE BLADE

Model Name	Depth (in)	Blade Style	Blade Thickness (ga)	Frame Thickness (ga)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
FDS-402	4	D	20	16	AP, WP	7.03	44	1056	0.11	8788	8444		
FDS-602	6	D	20	16	AP, WP	8.15	51	948	0.08	7726	8661		

FABRICATED STEEL - NON-DRAINABLE BLADE

Model Name	Depth (in)	Blade Style	Blade Thickness (ga)	Frame Thickness (ga)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
FSJ-402	4	J	20	16	AP, WP	7.55	47	839	0.10	6335	6894		
FSJ-602	6	J	20	16	AP, WP	7.57	47	896	0.10	6783	7398		













J = J Style, K = K Style, CD = Chevron Drainable, C = Chevron, D = Drainable
AP = Air Performance, WP = Water Penetration

[<< Back to STATIONARY LOUVERS](#)





















OPERABLE

EXTRUDED ALUMINUM - ADJUSTABLE BLADE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal
						ft²	%						PDF
EAD-401	4	DA	0.081	0.125	AP, WP	6.54	41	920	0.18	6017	7074		
EAD-601	6	DA	0.081	0.125	AP, WP	7.34	46	1007	0.09	7391	7962		
EAD-635	6	DA	0.081	0.125	AP, WP	8.73	55	1107	0.05	9664	9932		
EAH-401	4	J	0.081	0.125	AP, WP	6.48	41	1023	0.11	6629	5397		
EAH-690 (45° Blade)	6	J	0.081	0.125	AP	6.32	40	1069	-	6756	5056		
EAH-690 (90° Blade)	6	J	0.081	0.125	AP	10.87	70	-	-	-	10055		

EXTRUDED ALUMINUM - COMBINATION LOUVER/DAMPER

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal
						ft²	%						PDF
EAC-401	4	DA	0.081	0.125	AP, WP	6.34	40	1192	0.11	7557	6062		
EAC-601	6	DA	0.081	0.125	AP, WP	7.41	46	1020	0.08	7558	7146		
EACA-601	6	DAF	0.081	0.125	AP, WP	7.68	48	1221	0.07	9377	9586		
EACC-401	4	DA	0.081	0.125	NC	5.41	34	1192	0.15	6449	5171		
EACC-601	6	DA	0.081	0.125	NC	6.20	39	1020	0.12	6324	5977		
ECD-401	4	DA	0.081	0.081	AP, WP	7.60	48	1018	0.11	7737	7769		
ECD-601	6	DA	0.081	0.081	AP, WP	7.32	46	1035	0.09	7576	7700		
GCE-402	4	JG	0.081	0.081	NC	6.36	40	-	-	-	-		
GCI-402	4	JG	0.081	0.081	NC	6.39	40	-	-	-	-		





DA = Drainable Adjustable, J - J Blade, DAF = Drainable Airfoil, JG - J Blade Gravity
 AP = Air Performance, WP = Water Penetration, NC = Not Certified

OPERABLE LOUVERS Continued >>



OPERABLE *continued*

FABRICATED STEEL - DRAINABLE BLADE

Model Name	Depth (in)	Blade Style	Blade Thickness (ga)	Frame Thickness (ga)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
FAD-402	4	DA	16	16	AP, WP	5.98	38	1086	0.11	6494	7478		
FAD-635	6	DA	16	16	AP, WP	8.77	55	959	0.05	8410	11093		











DA = Drainable Adjustable
 AP = Air Performance, WP = Water Penetration

<< *Back to OPERABLE LOUVERS*







WIND DRIVEN RAIN





HORIZONTAL BLADES

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EHH-201	2	RR	0.063	0.063	AP, WP, WDR	6.22	39	973	0.22	5667	5487		
EHH-401	4	RR	0.063	0.081	AP, WP, WDR	6.76	42	1043	0.15	8400	5782		
EHH-501	5	RR	0.063	0.081	AP, WP, WDR	6.80	43	1250	0.11	8500	5998		
EHH-601	6	RR	0.081	0.081	AP, WP, WDR	7.58	47	1250	0.13	9475	6091		
EHH-701	7	RR	0.081	0.081	AP, WP, WDR	6.99	43	1250	0.20	8962	4522		

VERTICAL BLADES

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EVH-302	3	RR	0.050	0.062/0.081	AP, WP, WDR, 540, 550	8.13	51	1250	0.10	10163	8601		
EVH-501	5	RR	0.060	0.081	AP, WP, WDR	8.77	55	1250	0.08	10888	8190		

DUAL MODULE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EHV-901	9	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.66	54	974	0.16	8434	6088		
EHV-550	5.5	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.02	50	1083	0.21	8662	4812		

RR = Rain Resistant
 AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, 540 = AMCA 540, 550 = AMCA 550



HURRICANE

AMCA 540 & 550 LISTED

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EHV-901	9	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.66	54	974	0.16	8434	6088		
EHV-550	5.5	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.02	50	1083	0.18	8001	4812		
EVH-302	3	RR	0.050	0.062/0.081	AP, WP, WDR, 540, 550	8.13	51	1250	0.10	10163	8601		

AMCA 540 & 550 LISTED MIAMI-DADE & FLORIDA APPROVED

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EHV-550D	5.5	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.02	50	1083	0.20	8686	4812		
EHV-901D	9	RR	0.081	0.081	AP, WP, WDR, 540, 550	8.66	54	974	0.16	8434	6088		
EVH-302D	3	RR	0.050	0.062/0.081	AP, WP, WDR, 540, 550	8.13	51	1250	0.10	10163	8601		
EVH-501D	5	RR	0.063	0.081	AP, WP, WDR, 540, 550	8.77	55	1250	0.08	10888	8190		
EVH-660D ³	6	RR	0.063	0.095	AP, WP, WDR, 540, 550	7.29	45	1250	0.12	9113	7160		
EACA-601D	6	DAF	0.081	0.125	AP, WP, 540, 550	7.27	45	1221	0.08	9377	9586		
EHH-601D ^{1,2,4}	6	RR	0.081	0.081	AP, WP, WDR, 540, 550	7.58	47	1250	0.16	9475	5794		

AMCA 540 LISTED MIAMI-DADE & FLORIDA APPROVED

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
ESD-635D ¹	6	D	0.081	0.125	AP, WP, 540	9.41	59	1250	0.06	11763	9954		
ESD-635DE ¹	6	D	0.081	0.081	AP, WP, 540	9.41	59	1250	0.06	11763	9954		
EHH-601DE ^{1,2}	6	RR	0.081	0.081	AP, WP, WDR, 540	7.58	47	1250	0.16	970	6024		
ESS-502D	5	C	0.081	0.081	AP, WP, 540	8.19	51	1036	0.11	8485	6286		

RR = Rain Resistant, DAF = Drainable Airfoil, D = Drainable, C = Chevron, J = J Style

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, S = Sound, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed







¹ Available with optional VCD-40 damper mounted on the interior of the louver. ² Complies with TAS-100(A) when damper is applied. ³ Complies with TAS-100(A). ⁴ Complies with AMCA 550 when combined with optional factory attached VCD-40 damper in the closed position.

HURRICANE LOUVERS continued >>



HURRICANE *continued*

AMCA 540 FLORIDA APPROVED

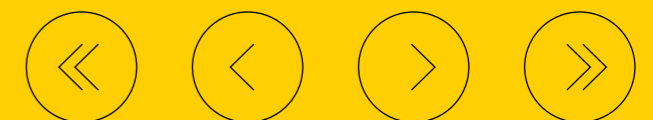
Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
ESD-435X	4	D	0.081	0.081	AP, WP, 540	8.92	56	989	0.07	8881	8670		
ESD-635X	6	D	0.081	0.081	AP, WP, 540	9.41	59	1250	0.06	11763	9954		
EHH-501X	5	RR	0.081	0.081	AP, WP, WDR, 540	6.80	43	1250	0.11	8500	5998		

RR = Rain Resistant, DAF = Drainable Airfoil, D = Drainable, C = Chevron, J = J Style

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, S = Sound, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed





¹ Available with optional VCD-40 damper mounted on the interior of the louver. ² Complies with TAS-100(A) when damper is applied. ³ Complies with TAS-100(A).

<< *Back to HURRICANE LOUVERS*





SPECIALTY LOUVERS

BRICK VENTS



Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
BVE	4	BV	0.125	0.125	NC	-	-	-	-	-	-		
<i>Available sizes: 8.125 x 2.375", 8.125 x 4.75", 8.125 x 7.75", 12 x 2.375", 12 x 4.75", 12 x 7.75", 12 x 11.75", 15.625 x 7.75", 15.625 x 15.75", 16.5 x 2.375", 16.5 x 4.75", 16.5 x 7.75", 16.5 x 15.75", 24 x 2.375", 24 x 4.75", 24 x 7.75", 32 x 7.75", 48 x 7.75"</i>													
BVF	1.5	BV	0.125	0.125	NC	-	-	-	-	-	-		
<i>Available sizes: 8.125 x 2.375", 8.125 x 4.75", 8.125 x 7.75", 12 x 2.375", 12 x 4.75", 12 x 7.75", 12 x 11.75", 15.625 x 7.75", 15.625 x 15.75", 16.5 x 2.375", 16.5 x 4.75", 16.5 x 7.75", 16.5 x 15.75", 24 x 2.375", 24 x 4.75", 24 x 7.75", 32 x 7.75", 48 x 7.75"</i>													

**BVF Brick Vents add 1" face flange on all four (4) sides to order size.*



EQUIPMENT SCREEN

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
EES-401	4	J	0.081	NA	NC	8.23	51	-	-	-	-		

SAND LOUVER

Model Name	Depth (in)	Blade Style	Blade Thickness (ga)	Frame Thickness (ga)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
FSL-401	4	SP	18	18	AP	4.28	27	-	1.2	-	2100		

FEMA 361 TORNADO

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
AFL-501	5.5	SP	0.250	0.250	AP, WP	7.55	47	634	0.16	4786	5710		











BV = Brick Vent, J = J Blade, SP = Sightproof
 AP = Air Performance, WP = Water Penetration, NC = Not Certified

SPECIALTY LOUVERS Continued >>













SPECIALTY LOUVERS *continued*

THINLINE LOUVERS

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
ESJ-155	1.5	J	0.056	0.063	NC	7.35	46	-	-	-	-		
ESU-153	1.5	T	0.050	0.063	NC	11.20	70	-	-	-	-		
ESU-153S	1.125	T	0.050	NA	NC	11.64	73	-	-	-	-		
ESU-154	1.5	T	0.050	0.063	NC	8.49	53	-	-	-	-		
ESU-154S	1.125	T	0.050	NA	NC	8.77	55	-	-	-	-		

ACOUSTICAL LOUVERS

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
AFA-801	8	AF	0.080	0.080	AP, WP, S	5.21	33	879	0.09	4580	7508		
AFJ-120	12	J	0.080	0.080	AP, WP, S	3.39	21	1108	0.32	3258	4198		
AFJ-601	6	J	0.080	0.080	AP, WP, S	4.89	31	799	0.15	3907	6015		
AFJ-801	8	J	0.080	0.080	AP, WP, S	4.28	27	887	0.20	3796	5192		
AFS-120	12	C	0.080	0.080	AP, WP, S	4.27	27	830	0.37	3544	3839		


J = J Style, T = Thinline, AF = Airfoil, C = Chevron
 AP = Air Performance, WP = Water Penetration, S = Sound

<< *Back to SPECIALTY LOUVERS*





PENTHOUSES





STANDARD PENTHOUSE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website
						ft ²	%					
WHWRH	4	J	0.081	0.081	NC	-	-	-	-	-	-	

ELEVATOR VENT PENTHOUSE

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
						ft ²	%						PDF
PEV-400	4	J	0.081	0.081	NC	4.75	30	-	-	-	-		

MIAMI-DADE & FLORIDA APPROVED PENTHOUSES

Model Name	Depth (in)	Blade Style	Blade Thickness (in)	Frame Thickness (in)	AMCA Licensed Ratings	Free Area - 4' x 4' Unit		Beginning Point of Water Penetration (ft/min)	Pressure Drop @ 6,000 CFM Intake (in wg)	Max Intake Volume Flow Rate (cfm)	Exhaust Volume Flow Rate @ 0.15 in wg (cfm)	Website	Submittal PDF
						ft ²	%						PDF
ESD-635PD	6	D	0.081	0.081	NC	-	-	-	-	-	-		
EHH-601PD	6	RR	0.081	0.081	NC	-	-	-	-	-	-		

J = J Style, D = Drainable, RR = Rain Resistant
NC = Not Certified

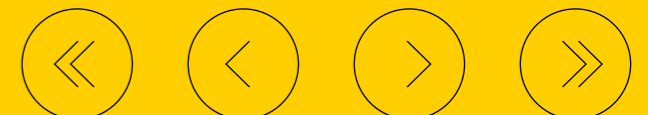


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LITERATURE

LITERATURE & SUPPORT MATERIAL

LITERATURE

Louver Products
Severe Duty, Stationary, Operable

GREENHECK
Building Value in Air.

January 2016

LOUVER PRODUCTS

Severe Duty Louvered Products
Miami-Dade County Qualified, Florida Product Approved,
Wind-Driven Rain, FEMA 361 and Sand Louver

GREENHECK
Building Value in Air.

April 2015

SEVERE DUTY LOUVER PRODUCTS

Louver Finishes & Colors

GREENHECK
Building Value in Air.

April 2010

FINISHES & COLORS

SUPPORT MATERIAL

GREENHECK'S Louvers
Effects of Screens on Louver Performance

The effects of wind on louvers screens on louvered louvers performance is commonly rated against AMCA standard 500-L. Louver Performance does not consider the effects of screens such as louvers or on louvers. As such, our published performance data does not take account the effect of louvers on louvers. However, it indicates that screens would increase louver resistance.

To all the HVAC system design engineer, Greenheck recently conducted pressure drop testing on one of our most popular louvers with and without a screen. The results are shown below. The weight was included a horizontal and vertical blade louvers. In one right-angle, the results show that louvers with a screen. The data below depicts the average increase in louver resistance for four common wind screen types.

Application Example
Let's assume a louver has 8.0 in. sq pressure drop at a specific velocity or face area velocity. If it were an intake application, the minimum static pressure drop would be 0.12 in. sq. If it were an exhaust application, the minimum static pressure drop would be 0.12 in. sq. For exhaust, it would be 0.10 in. sq. (0.10 x 1.05).

Screen Type	Pressure Drop Increase (%)
Standard Louver	12%
Standard Louver with Screen	16%
Standard Louver with Screen (2x)	22%
Standard Louver with Screen (3x)	27%
Standard Louver with Screen (4x)	32%

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Effects of Screens on Louver Performance

EFFECTS OF SCREEN



FAQS

MARKET APPLICATION

GREENHECK'S MARKET APPLICATION

Louvers
The Right Solution for Data Centers

Are you designing or specifying exterior weather louvers for Data Center projects? When it comes to the selection of louver products there are several options to choose from. Design professionals must consider both protection from extreme weather events along with aesthetics. Fortunately, Greenheck manufactures an industry leading line of high performance Wind-Driven Rain Louvers that will meet both the function and the form for your next Data Center project.

For product specifications see www.ghe.com.

Louvers for Data Centers

GREENHECK
Building Value in Air.

DATA CENTER

GREENHECK'S MARKET APPLICATION

Louvers
The Right Solution for Warehouse/Distribution Centers

Are you designing or specifying exterior weather louvers for Warehouse/Distribution Center projects? When it comes to the selection of louver products there are several options to choose from. Design professionals must consider both protection from extreme weather events along with aesthetics. Fortunately, Greenheck manufactures an industry leading line of high performance louvers that will meet both the function and the form for your next Warehouse/Distribution Center project.

For product specifications see www.ghe.com.

Louvers for Warehouse/Distribution Centers

GREENHECK
Building Value in Air.

WAREHOUSE

GREENHECK'S MARKET APPLICATION

AMCA 550
Test Method for High Velocity Wind-Driven Rain Resistant Louvers

Did you know that if located in the Hurricane Prone Region, all intake and exhaust louvers must comply with AMCA 550? Our industry leading Wind-Driven Rain Resistant Louvers are the industry standard for high velocity wind-driven rain resistance. They are designed to meet or exceed the requirements of AMCA 550. In fact, our louvers are designed to meet or exceed the requirements of AMCA 550. In fact, our louvers are designed to meet or exceed the requirements of AMCA 550.

Hurricane Prone Region Louver Requirements

GREENHECK
Building Value in Air.

AMCA550

PRODUCT INFORMATION

GREENHECK'S PRODUCT INFORMATION

EAD-635
Aluminum 35° Adjustable Blade Louver

Did you know specifying the Greenheck EAD-635 adjustable blade louvers for warehouse and distribution center applications can save you money? Greenheck model EAD-635 offers the highest air intake volume capacity in the industry for the combination of commonly high face area and high velocity air beginning point of Water Penetration (WPWT). As a result you may design your application with fewer louvers when compared to competing equivalent products. Fewer louvers will result in lower face area, lower installation cost and lower operational cost as a result of fewer electric actuators.

For product specifications see www.ghe.com.

Application Case Study
Warehouse facilities consisting of 1,500,000 sq. ft. with 100 ft. high adjustable blade louvers using louvers in 70% capacity against beginning point of water penetration.

Product	Area (sq. ft.)	Cost (\$)	Area (sq. ft.)	Cost (\$)	Area (sq. ft.)	Cost (\$)
EAD-635	20,000	21,000	20,000	21,000	20,000	21,000
Standard Louver	1,100	1,000	800	800	800	800
Standard Louver	600	600	600	600	600	600
Standard Louver	1,800	1,700	2,000	2,000	2,200	2,200
Standard Louver	47	60	60	60	60	60
Standard Louver	1,800	1,700	2,000	2,000	2,200	2,200
Standard Louver	107	60	60	60	60	60
Standard Louver	100	60	60	60	60	60

GREENHECK
Building Value in Air.

EAD-635 Adjustable Louver

EAD-635

GREENHECK'S PRODUCT INFORMATION

AFL-501
Aluminum FEMA 361 Louver

Greenheck is pleased to introduce our AFL-501 louvers for consideration on your next FEMA 361 construction project. Greenheck louvers are designed to provide design professionals, contractors and owners alike with high performance louvers that will meet both the function and the form for your next FEMA 361 construction project. We believe you will find the AFL-501 louvers to be an excellent addition to your existing building line of Greenheck louver products.

For product specifications see www.ghe.com.

Features and Benefits

- Highly rated in green centers and green buildings on FEMA 361 or 302 compliance storm shelter or safe rooms.
- All dimensions conform to green building requirements.
- 5 to 10 day lead time.
- Lowest 3" lip blade.
- AMCA 550 tested for Air Performance and Water Penetration.
- Tested in accordance with and passes the IBC, ICC, and other codes required (15 ft. 7 x 4, 100 mph).
- 15 ft. standard lead time and ready to ship.
- Qualified for wind loads up to 250 psf when installed in accordance with published installation instructions.
- Lighter and easier to install than equivalent standard FEMA 361 louvers.
- Meet or exceed the requirements of FEMA 361 louvers.
- Meet and exceed the requirements of FEMA 361 louvers.
- Meet and exceed the requirements of FEMA 361 louvers.
- Available in face load areas that require and FEMA 361 louvers, including Quick-Field.

GREENHECK
Building Value in Air.

AFL-501 Aluminum Louver

AFL-501

GREENHECK'S PRODUCT INFORMATION

EHV-550D
Hurricane Louver

Lead for the Hurricane Prone Region

- AMCA 550 tested for High Velocity Wind-Driven Rain
- AMCA 560 tested for Wind-Driven Debris Impact
- Florida Product Approved
- Miami-Dade County (MDC) 19-04003 (Max Wind-Load: 190 PSF)
- AMCA 560 tested for Water Penetration, Air Infiltration and Wind-Driven Rain

Options available

- Velocity of Wind and Insect Screens
- Stack-of-Blade
- Removable LID
- Other Pack
- Stack-Frame
- Security Bars
- Velocity of Architectural Features

GREENHECK
Building Value in Air.

EHV-550D Hurricane Louver

EHV-550D

Air Movement Control Association (AMCA) Resources

INTRODUCTION TO INTAKE & EXHAUST LOUVERS

LOUVERS REQUIREMENTS FOR HURRICANE PRONE REGIONS

UNDERSTANDING THE AMCA STANDARD 500-L TESTS

HOW TO SPECIFY AMCA-CERTIFIED SAND LOUVERS



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