

POTTORFF® LOUVERS

ACOUSTICAL • COMBINATION • DRAINABLE • EQUIPMENT SCREENS & CANOPY
FEMA • FLORIDA BUILDING CODE • FORMED METAL • MIAMI-DADE CERTIFIED
NON-DRAINABLE • OPERABLE • PENTHOUSES • SEVERE DUTY • SPECIALTY



A LOUVER FOR ANY CONDITION

POTTORFF IS:

Innovation, quality, performance and service are what differentiate Pottorff's products among the competition. Founded in 1928, we are one of the most respected suppliers in the industry today. It is our experience, versatility, and ability to react quickly to our customer's needs which makes us the choice for architects and engineers.

HOW WE ARE DIFFERENT FROM THE COMPETITION:

- Ongoing commitment to personal and technical service
- Products delivered on time and on budget
- Louver Information and Selection Tool
- Quick ship - when you need it FAST!
- Industry leading 5-year warranty

PRODUCT SELECTION GUIDE

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA	VELOCITY (fpm)	AIR VOLUME (cfm)	AMCA CERT*	PG
NON-DRAINABLE LOUVERS								
EEI-430 DRAINABLE HEAD	4"	30°	INTAKE – EXHAUST	–	–	–	–	4
EFE-430-HP DRAINABLE HEAD	4"	30°	EXHAUST	64.5%	–	–	–	4
EFJ-245	2"	45°	J-BLADE	45.8%	942	6911	–	4
EFJ-430	4"	30°	J-BLADE	59.6%	1002	8549	–	4
EFJ-437	4"	37.5°	J-BLADE	55.5%	772	6853	WP/AP	4
EFJ-437-HP DRAINABLE HEAD	4"	37.5°	HIGH-PERFORMANCE J	56.3%	912	8220	WP/AP	4
EFJ-445	4"	45°	J-BLADE	50.1%	781	6317	WP/AP	4
EFJ-637-HP DRAINABLE HEAD	6"	37.5°	HIGH-PERFORMANCE J	56.3%	915	8226	–	4
EFJ-645	6"	45°	J-BLADE	50.6%	1155	9359	–	4
EFK-430	4"	30°	K-BLADE	59.6%	1002	8549	–	4
EFK-437	4"	37.5°	K-BLADE	55.5%	772	6853	WP/AP	4
EFK-445	4"	45°	K-BLADE	50.1%	781	6317	WP/AP	4
EFK-637	6"	37.5°	K-BLADE	54.6%	1157	10102	–	4
EFY-245	2"	45°	INVERTED Y	30.8%	679	3351	–	4
EFY-445	4"	45°	INVERTED Y	34.8%	834	4649	–	4
DRAINABLE LOUVERS								
EDD-445	4"	45°	DUAL-DRAINABLE	50.4%	1026	8311	WP/AP	5
EDD-637	6"	37.5°	DUAL-DRAINABLE	57.7%	1113	10242	WP/AP	5
EFD-245	2"	45°	DRAINABLE	46.1%	868	6404	WP/AP	5
EFD-435	4"	35°	DRAINABLE	58.1%	966	8984	WP/AP	5
EFD-437	4"	37.5°	DRAINABLE	58.1%	903	8398	WP/AP	5
EFD-445	4"	45°	DRAINABLE	50.4%	1026	8311	WP/AP	5
EFD-635	6"	35°	DRAINABLE	60.7%	1250	12138	WP/AP	5
EFD-637	6"	37.5°	DRAINABLE	57.5%	1113	10242	WP/AP	5
EFD-645	6"	45°	DRAINABLE	54.6%	1009	8811	WP/AP	5
ERD-645	6"	45°	RECESSED – DRAINABLE	50.6%	990	8059	–	5
MIAMI-DADE – HURRICANE RATED LOUVERS								
ECD-545-MD	5"	45°	CHEVRON	41.9%	1250	8388	WP/AP/W	6
ECV-345-MD	3"	45°	VERTICAL CHEVRON	46.9%	1250	9375	WP/AP/W	6
ECV-545-MD	5"	45°	VERTICAL CHEVRON	54.8%	1250	10963	WP/AP/W	6
ECV-645-MD	6"	45°	VERTICAL CHEVRON	46.0%	1250	9250	WP/AP/W	6
EDV-545-MD	5"	45°	DUAL-BLADE	50.2%	1250	10038	WP/AP/W	6
EFD-635-MD	6"	35°	DRAINABLE	60.9%	1250	12175	WP/AP	6
EFJ-937-MD	9"	37.5°	DUAL-BLADE	53.9%	1250	10775	WP/AP/W	6
EXA-645-MD	6"	37.5°–45°	COMBINATION	48.1%	1076	8281	WP/AP	6
SEVERE-DUTY/WIND-DRIVEN RAIN LOUVERS – HORIZONTAL BLADE								
ECD-245	2"	45°	CHEVRON	41.3%	1006	6649	WP/AP/W	7
ECD-445	4"	45°	CHEVRON	42.7%	1250	8538	WP/AP/W	7
ECD-545	5"	45°	CHEVRON	46.3%	1250	9250	WP/AP/W	7
ECD-635	6"	35°	CHEVRON	50.3%	1250	10050	WP/AP/W	7
ECD-745	7"	45°	CHEVRON	50.6%	1218	9866	WP/AP/W	7
EFD-437-FL	4"	37.5°	DRAINABLE	55.3%	1029	9105	WP/AP	7
SEVERE-DUTY/WIND-DRIVEN RAIN LOUVERS – VERTICAL BLADE								
ECV-245	2"	45°	VERTICAL CHEVRON	41.5%	1250	8299	WP/AP	8
ECV-345	3"	45°	VERTICAL CHEVRON	46.9%	1250	9375	WP/AP/W	8
ECV-445	4"	45°	VERTICAL CHEVRON	42.9%	1250	8575	AP/W	8
ECV-545	5"	45°	VERTICAL CHEVRON	54.8%	1250	10963	WP/AP/W	8
ECV-645	6"	45°	VERTICAL CHEVRON	46.0%	1250	9250	WP/AP/W	8
EDV-545	5"	45°	DUAL-BLADE	50.2%	1250	10038	WP/AP/W	8
EFJ-937	9"	37°	DUAL-BLADE	53.9%	1250	10755	WP/AP/W	8

*AMCA CERT LEGEND:
Abbreviations used throughout the brochure

| AL Air Leakage

| AP Air Performance

| S Sound

| W Wind-Driven Rain

| WS Wind-Driven Sand

| WP Water Penetration

PRODUCT SELECTION GUIDE (CONT)

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA	VELOCITY (fpm)	AIR VOLUME (cfm)	AMCA CERT*	PG
OPERABLE LOUVERS								11
EOD-445	4"	45°	OPERABLE – DRAINABLE	43.1%	1024	7096	–	11
EOD-637	6"	37.5°	OPERABLE – DRAINABLE	53.9%	1136	9801	–	11
EOJ-445	4"	45°	OPERABLE J-BLADE	45.9%	683	5016	–	11
EOJ-637	6"	37.5°	OPERABLE J-BLADE	56.3%	810	7282	–	11
EOJ-690	6"	90°	OPERABLE J-BLADE	68.5%	748	8325	AP	11
SOJ-445	4"	45°	FORMED OPERABLE J-BLADE	46.9%	775	5813	–	11
CONCEALED MOTOR LOUVERS								12
COMBINATION LOUVERS								12
EBE-445	4"	45°	J-BD-EXHAUST	49.4%	689	5396	–	12
EBI-445	4"	45°	J-BD-INTAKE	49.4%	689	5396	–	12
EXA-645	6"	37.5°– 45°	COMBINATION	50.4%	1085	8756	WP/AP/AL	12
EXD-437	4"	37.5°	COMBINATION	43.0%	1172	8134	WP/AP	12
EXD-645	6"	37.5°– 45°	COMBINATION	44.4%	1050	7455	–	12
FORMED METAL LOUVERS								13
SBE-245	2"	45°	J-BD-EXHAUST	41.0%	383	2528	–	13
SBE-445	4"	45°	J-BD-EXHAUST	46.9%	775	5813	–	13
SBI-445	4"	45°	J-BD-INTAKE	46.9%	775	5813	–	13
SFD-445	4"	45°	DRAINABLE	53.1%	715	6092	–	13
SFD-635	6"	35°	DRAINABLE	61.7%	815	8044	–	13
SFJ-245	2"	45°	J-BLADE	42.0%	603	4040	–	13
SFJ-430	4"	30°	J-BLADE	51.0%	847	6945	–	13
SFJ-445	4"	45°	J-BLADE	48.0%	775	5991	–	13
SFJ-630	6"	30°	J-BLADE	65.2%	825	8580	–	13
SFJ-645	6"	45°	J-BLADE	50.0%	800	6400	–	13
SFK-445	4"	45°	K-BLADE	48.0%	775	5991	–	13
SFK-645	6"	45°	K-BLADE	50.0%	800	6400	–	13
SFV-445	4"	45°	CHEVRON	38.0%	600	3648	–	13
ACOUSTICAL LOUVERS								14
EAA-645	6"	45°	AIRFOIL	25.0%	1137	4541	–	14
EAA-845	8"	45°	AIRFOIL	37.9%	649	3931	WP/AP	14
EAA-1245	12"	45°	AIRFOIL	26.3%	999	4196	–	14
EAJ-437	4"	37°	INSULATED-J	33.7%	740	3992	–	14
EAJ-637	6"	37°	INSULATED-J	32.5%	890	4627	–	14
EAJ-1235	12"	35°	INSULATED-J	30.6%	924	4528	WP/S/AP	14
FAA-1245	12"	45°	FORMED AIRFOIL	26.3%	999	4196	–	14
SAJ-835	8"	35°	FORMED-J	33.1%	808	4293	–	14
SAJ-1235	12"	35°	FORMED-J	30.6%	924	4528	WP/S/AP	14
SPECIALTY LOUVERS								15
EBV-145	1.5"	45°	J-BLADE	–	–	–	–	15
EBV-445	4"	45°	J-BLADE	–	–	–	–	15
EVS-422 SAND LOUVER	4"	22°	VERTICAL	15.6%	1250	3113	WS/AP	15
FIBERGLASS LOUVER								15
FFJ-445	4"	45°	J-BLADE	37.6%	730	4390	WP/AP	15
FOJ-445	4"	45°	OPERABLE	40.2%	627	4030	–	15
PENTHOUSES								15
ECD-445-PH	4"	45°	CHEVRON	–	–	–	–	15
ECD-635-PH	6"	35°	CHEVRON	–	–	–	–	15
ECV-645-PH	6"	45°	VERTICAL CHEVRON	–	–	–	–	15
EFD-445-PH	4"	45°	DRAINABLE	–	–	–	–	15
EFD-635-PH	6"	35°	DRAINABLE	–	–	–	–	15
EFJ-445-PH	4"	45°	J-BLADE	–	–	–	–	15
EFJ-645-PH	6"	45°	J-BLADE	–	–	–	–	15
PEV-445	4"	45°	J-BLADE	–	–	–	–	15
ICC 500/FEMA GRILLES								15
XAV-545	5.5"	45°	HORIZONTAL-INVERTED-V	51.2%	680	5577	WP/AP	15
XCD-545	5.5"	45°	HORIZONTAL-CHEVRON	37.9%	1250	7575	WP/AP/W	15
XSV-845	8"	45°	HORIZONTAL-INVERTED-V	58.5%	755	–	–	15
EQUIPMENT SCREENS AND CANOPY								16

Cover Images:

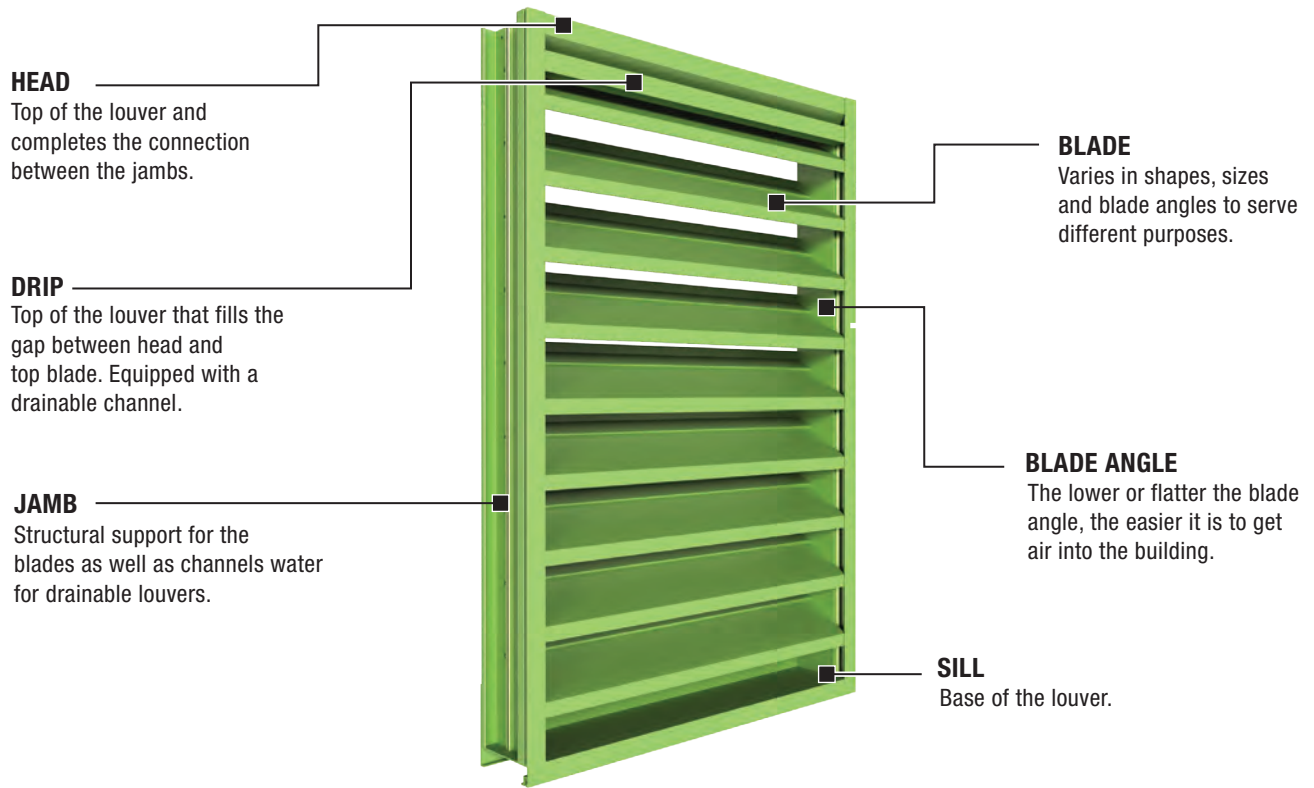
Left Photo: DuPont Fabros | Ashburn, VA | ECD-545
Center Photo: Middle Earth Towers | Irvine, CA | EFJ-445

Right Photo: Hard Rock Hotel | Hollywood, FL | ECD-645-MD, ECV-645-MD
Background Photo: Detail of Frost Tower | Fort Worth, TX | EFD-637, EFJ-430

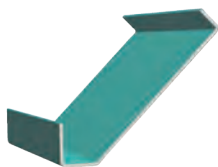
Left Louver: ECD-635 – Wind-Driven Rain – pg. 7
Right Louver: EFD-635 – Drainable – pg. 5

ANATOMY OF A LOUVER

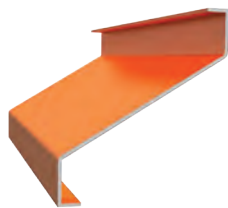
A louver is an air termination or entry device composed of multiple blades which, when mounted in an opening, permits airflow but inhibits the ingress of other elements. The type of louver that is selected is dependent on the application, geographic location, and local building codes.



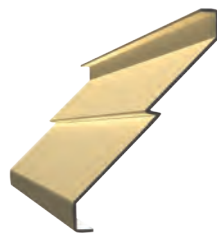
BLADE STYLES



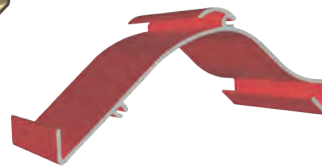
DRAINABLE BLADE
A drainable blade is equipped with a gutter to channel water toward the jambs of the louver and away from the airflow.



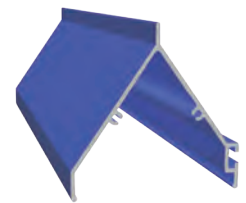
J-BLADE
The J-Blade has a smooth flat profile devoid of a gutter on the leading edge.



K-BLADE
The K-Blade has an offset step in its profile acting as a rain trap. The K style blade can be drainable or non-drainable.



CHEVRON BLADE
The Chevron blade combines closed sight lines and drainability. With a C shaped hook at the top, it is the primary choice to stop wind-driven rain.



INVERTED Y BLADE
An Inverted Y or V blade is intended for sight proof applications. With the closed sight-lines, sacrifices in free area performance and greater pressure drop are made.

NON-DRAINABLE LOUVERS

Non-drainable louvers offer value and economy for exhaust applications or intake conditions where protection against water filtration is not critical. Optional hidden mullions provide a continuous blade appearance.

INTAKE/EXHAUST



EEI-430



EFE-430-HP



EFJ-245
EFJ-445
EFJ-645
EFK-445



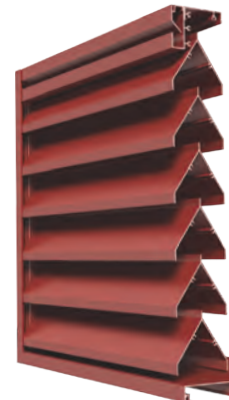
EFJ-430
EFK-430



EFJ-437-HP
EFJ-637-HP



EFJ-437
EFK-437
EFK-637



EFY-245
EFY-445

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (sq.ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA CERT.*
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.wg.)	
EEI-430	4"	30°	INTAKE - EXHAUST	VARIABLES	-	-	-	-
EFE-430-HP	4"	30°	EXHAUST	64.5% 10.3	-	-	-	-
EFJ-245	2"	45°	J-BLADE	45.8% 7.3	942	6911	0.20	-
EFJ-430	4"	30°	J-BLADE	59.6% 9.6	1002	8549	0.16	-
EFJ-437	4"	37.5°	J-BLADE	55.5% 8.9	772	6853	0.09	WP/AP
EFJ-437-HP	4"	37.5°	HIGH PERFORMANCE J	56.3% 9.0	912	8220	0.14	WP/AP
EFJ-445	4"	45°	J-BLADE	50.1% 8.1	781	6317	0.10	WP/AP
EFJ-637-HP	6"	37.5°	HIGH PERFORMANCE J	56.3% 9.0	915	8226	0.12	-
EFJ-645	6"	45°	J-BLADE	50.6% 8.1	1155	9359	0.18	-
EFK-430	4"	30°	K-BLADE	59.6% 9.6	1002	8549	0.16	-
EFK-437	4"	37.5°	K-BLADE	55.5% 8.9	772	6853	0.09	WP/AP
EFK-445	4"	45°	K-BLADE	50.1% 8.1	781	6317	0.10	WP/AP
EFK-637	6"	37.5°	K-BLADE	54.6% 8.7	1157	10102	0.17	-
EFY-245	2"	45°	INVERTED Y	30.8% 4.9	679	3531	0.34	-
EFY-445	4"	45°	INVERTED Y	34.8% 5.6	834	4649	0.42	-

*AMCA CERT LEGEND: | AP Air Performance | WP Water Penetration

DRAINABLE LOUVERS

Drainable blade louvers help prevent water penetration on non-wind-driven rain applications by collecting water in frame and downsouts and away from airflow.

DUAL-DRAINABLE LOUVERS



EDD-445



EDD-637



EFD-245
EFD-445
EFD-645



EFD-437
EFD-637



EFD-435
EFD-635



ERD-645
Recessed Drainable Blade

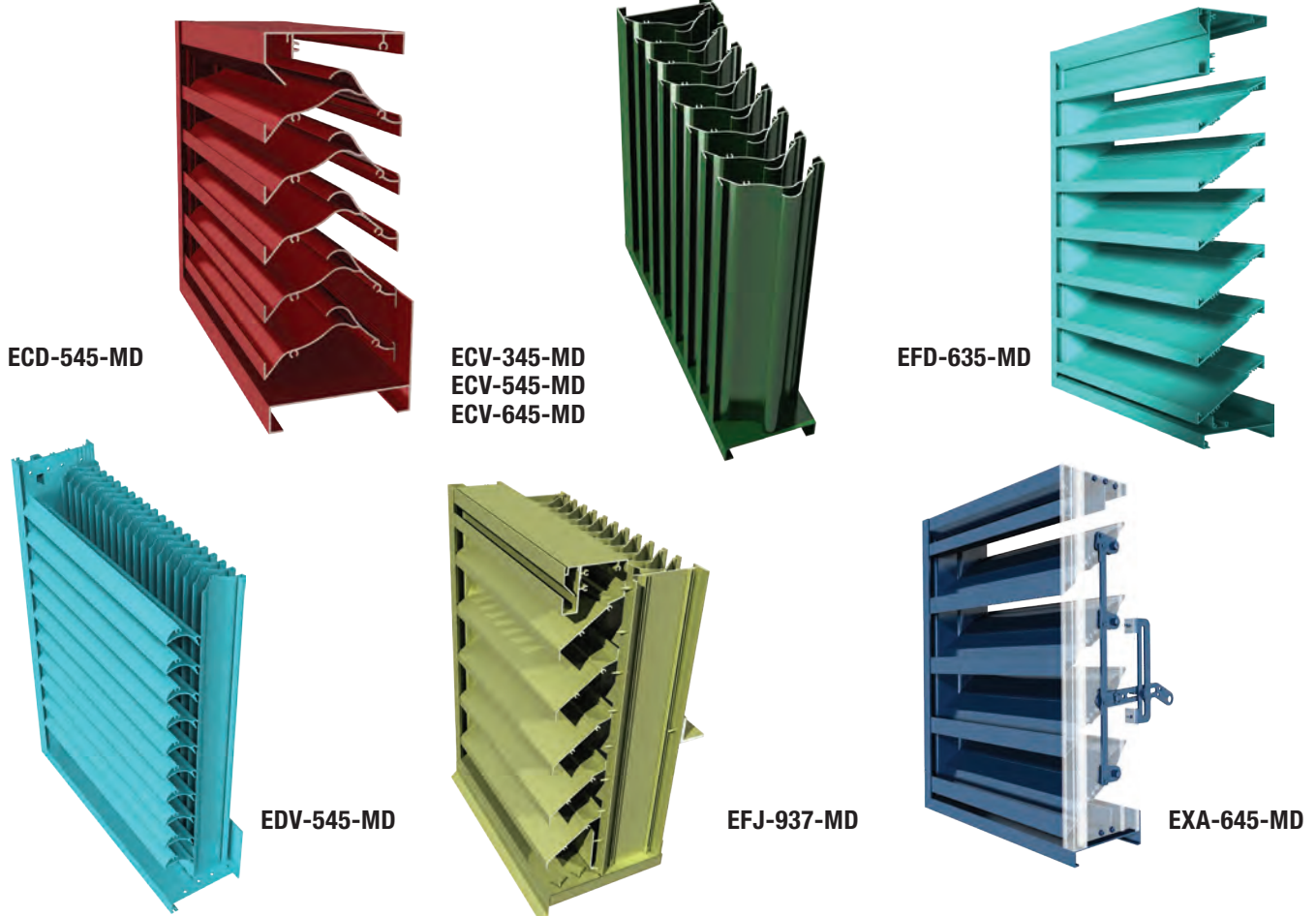
MODEL	DEPTH	ANGLE	BLADE STYLE	FREE AREA (%) (sq.ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA CERT.*
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. w.g.)	
EDD-445	4"	45°	DUAL-DRAINABLE	50.4% 8.1	1026	8311	0.16	WP/AP
EDD-637	6"	37.5°	DUAL-DRAINABLE	57.7% 9.2	1113	10242	0.15	WP/AP
EFD-245	2"	45°	DRAINABLE	46.1% 7.4	868	6404	0.12	WP/AP
EFD-435	4"	35°	DRAINABLE	58.1% 9.3	966	8984	0.12	WP/AP
EFD-437	4"	37.5°	DRAINABLE	58.1% 9.3	903	8398	0.13	WP/AP
EFD-445	4"	45°	DRAINABLE	50.4% 8.1	1026	8311	0.16	WP/AP
EFD-635	6"	35°	DRAINABLE	60.7% 9.7	1250	12138	0.20	WP/AP
EFD-637	6"	37.5°	DRAINABLE	57.5% 9.2	1113	10242	0.15	WP/AP
EFD-645	6"	45°	DRAINABLE	54.6% 8.7	1009	8811	0.13	WP/AP
ERD-645	6"	45°	RECESSED-DRAINABLE	50.6% 8.1	990	8059	0.11	-

*AMCA CERT LEGEND: | AP Air Performance | WP Water Penetration

MIAMI-DADE/HURRICANE LOUVERS

- AMCA Certified
- AMCA 540/550 Listed
- Florida Building Code Approved (2020)

Miami-Dade/Hurricane louvers are approved for use in high-velocity hurricane zones, specifically in Miami-Dade and Broward counties in Florida. They are tested to multiple standards that are designed to simulate severe weather conditions. They must withstand high wind speeds, water penetration and debris impact.



MODEL	DEPTH	BLADE ANGLE	FREE AREA (%) (sq. ft.)	WIND-DRIVEN RAIN TEST					BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA 540 550	AMCA CERT.*	
				WIND VELOCITY (mph)	RAINFALL (in./hr)	AIRFLOW (cfm)	CORE VELOCITY (fpm)	EFFECTIVENESS RATIO (%)	CLASS	VELOCITY (fpm)	AIRFLOW (cfm)			PRESSURE DROP (in. w.g.)
ECD-545-MD HORIZONTAL BLADE	5"	45°	41.9% 6.7	29 50	3 8	7361 8478	684 787	99.4 96.0	A B	1250	8388	0.21	● ●**	WP/AP/W
ECV-345-MD VERTICAL BLADE	3"	45°	46.9% 7.5	29 50	3 8	10616 10594	986 984	100 100	A A	1250	9375	0.19	● ●	WP/AP/W
ECV-545-MD VERTICAL BLADE	5"	45°	54.8% 8.8	29 50	3 8	10601 10605	985 985	100 99.7	A A	1250	10963	0.28	● ●	WP/AP/W
ECV-645-MD VERTICAL BLADE	6"	45°	46.0% 7.4	— 50	— 8	— 10390	— 965	— 100	— A	1250	9250	0.15	● ●	WP/AP/W
EDV-545-MD DUAL BLADE	5"	45°	50.2% 8.0	29 50	3 8	10591 10600	984 985	100 99.8	A A	1250	10038	0.55	● ●	WP/AP/W
EFD-635-MD HORIZONTAL BLADE	6"	35°	60.9% 9.7	—	—	—	—	—	—	1250	12175	0.20	● —	WP/AP
EFJ-937-MD DUAL BLADE	9"	37.5°	53.9% 8.6	29 50	3 8	10640 9599	988 892	100 99.0	A A	1250	10775	0.48	● ●	WP/AP/W
EXA-645-MD COMBO BLADE	6"	37.5°-45°	48.1% 7.7	—	—	—	—	—	—	1076	8281	0.12	● ●***	WP/AP

*AMCA CERT LEGEND: | AP Air Performance | AL Air Leakage | W Wind-Driven Rain | WP Water Penetration

Applies when the CD-51 damper option is utilized and the damper is in the closed position. *Applies with operable blades in the closed position.

SEVERE DUTY LOUVERS

WIND-DRIVEN RAIN

Wind-driven rain louvers allow air intake and exhaust while preventing water from entering the building through building openings during severe storms. Commonly used in geographic locations with moderate to severe rain events.

- AMCA Certified
- AMCA 540 Listed

HORIZONTAL WIND-DRIVEN RAIN



ECD-245



ECD-445
ECD-545



ECD-635



ECD-745

FLORIDA BUILDING CODE APPROVED 2020



EFD-437-FL
FLORIDA BUILDING CODE
APPROVED (2020)

DRAINABLE FEMA LOUVER GRILLE



XCD-545
DRAINABLE BLADE
FEMA GRILLE
PERFORMANCE
DATA ON PAGE 15

MODEL	DEPTH	BLADE ANGLE	FREE AREA (%) (sq.ft.)	WIND-DRIVEN RAIN TEST						BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA 540	AMCA CERT.*
				WIND VELOCITY (mph)	RAINFALL (in/Hr)	AIRFLOW (cfm)	CORE VELOCITY (fpm)	EFFECTIVENESS RATIO (%)	CLASS	VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.wg.)		
ECD-245	2"	45°	41.3% 6.6	29	3	2123	197	99.0	A	1006	6649	0.27	-	WP/AP/W
				50	8	3011	280	95.0	B					
ECD-445	4"	45°	42.7% 6.8	29	3	4274	397	99.0	A	1250	8538	0.32	-	WP/AP/W
				50	8	3088	195	99.0	A					
ECD-545	5"	45°	46.3% 7.4	29	3	9276	862	99.4	A	1250	9250	0.24	-	WP/AP/W
				50	8	10502	975	95.3	B					
ECD-635	6"	35°	50.3% 8.0	29	3	8473	787	99.0	A	1250	10050	0.33	-	WP/AP/W
				50	8	7441	691	99.4	A					
ECD-745	7"	45°	50.6% 8.1	29	3	6260	581	99.6	A	1218	9866	0.57	-	WP/AP/W
				50	8	5312	493	99.2	A					
EFD-437-FL	4"	37.5°	55.3% 8.9	-	-	-	-	-	-	1029	9105	0.16	●	WP/AP

*AMCA CERT LEGEND: | AP Air Performance | W Wind-Driven Rain | WP Water Penetration

SEVERE DUTY LOUVERS

WIND-DRIVEN RAIN

- Thinline, Vertical and Dual-Module Models Available
- Florida Building Code Approved
- AMCA 540/550 Listed

One of the benefits of wind-driven rain louvers is that they are sight proof. The tight blade spacing and steep blade angles of these louvers force water to collect on the blade surface where it is channeled into vertical downsputs.

VERTICAL WIND-DRIVEN RAIN



ECV-245

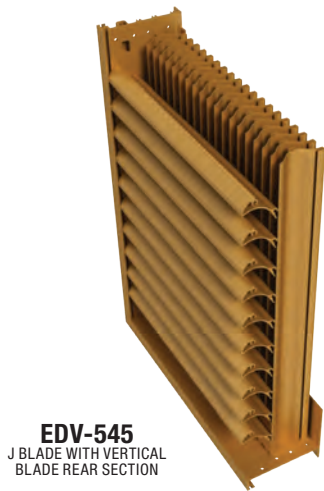
ECV-345

ECV-445

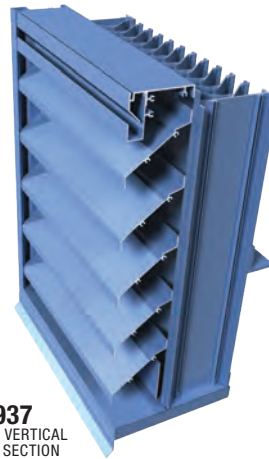
ECV-545

ECV-645

DUAL-MODULE



EDV-545
J BLADE WITH VERTICAL
BLADE REAR SECTION



EFJ-937
J BLADE WITH VERTICAL
BLADE REAR SECTION

THE ECV-545 VERTICAL BLADE LOUVER FEATURES AMCA 540/550 LISTING AND A HIGH FREE AREA OF 54.8%

THE EFJ-937 9" DUAL MODULE LOUVER FEATURES AMCA 540/550 LISTING AND IS A PERFECT SOLUTION TO COMBINE HORIZONTAL BLADE AESTHETICS WITH HIGH VELOCITY WIND-DRIVEN RAIN PROTECTION

MODEL	DEPTH	BLADE ANGLE	FREE AREA (%) (SPRT)	WIND-DRIVEN RAIN TEST						BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA 540/550	AMCA CERT.*	
				WIND VELOCITY (mph)	RAINFALL (in/Hr)	AIRFLOW (cfm)	CORE VELOCITY (fpm)	EFFECTIVENESS RATIO (%)	CLASS	VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.WG)			
ECV-245	2"	45°	41.5% 6.6	29	3	6371	592	99.6	A	1250	8299	0.42	-	-	WP/AP
				50	8	4300	399	99.3	A						
ECV-345	3"	45°	46.9% 7.5	29	3	10616	986	100	A	1250	9375	0.19	●	●	WP/AP/W
				50	8	10594	984	100	A						
ECV-445	4"	45°	42.9% 6.9	29	3	7343	682	99.5	A	1250	8575	0.30	-	-	AP/W
				50	8	4350	404	99.4	A						
ECV-545	5"	45°	54.8% 8.8	29	3	10601	985	100	A	1250	10963	0.28	●	●	WP/AP/W
				50	8	10605	985	99.7	A						
ECV-645	6"	45°	46.0% 7.4	-	-	-	-	-	-	1250	9250	0.15	●	●	WP/AP/W
				50	8	10390	965	100	A						
EDV-545	5"	45°	50.2% 8.0	29	3	10591	984	100	A	1250	10038	0.55	●	●	WP/AP/W
				50	8	10600	985	99.8	A						
EFJ-937	9"	37°	53.9% 8.6	29	3	10640	988	100	A	1250	10775	0.48	●	●	WP/AP/W
				50	8	9599	892	99.0	A						

*AMCA CERT LEGEND:

| AP Air Performance

| W Wind-Driven Rain

| WP Water Penetration

LOUVER TESTING LABORATORY

Pottorff's State of the Art Wind-Driven Rain and Water Penetration test rig, constructed in accordance with AMCA Standard 500-L, allows us to accurately measure louver water infiltration. Our chamber is designed to feature storm conditions (wind-blown rain), still air (no wind) conditions, as well as Air Performance; better known as "Pressure Drop" or "Pressure Loss".

- **WIND-DRIVEN RAIN TEST (WDR)** – Rates a louver's ability to mitigate water entrainment under storm conditions, while also simulating various active HVAC system ventilation rates through the test sample. Louvers are generally subjected to two wind speeds, 29 and 50mph, which are directed at the face of the sample. The test features a wind-driven rainfall rate of up to 8" per hour.
- **WATER PENETRATION TEST (WP)** – Often called "Still Air Water Penetration" determines what is known throughout the industry as "the beginning point of water penetration" and simulates both a moderate, vertical rainfall as well as building runoff. The Beginning Point of Water Penetration is defined by AMCA as .01 ounces of water per square foot of louver Free Area during a 15-minute test.
- **AIR PERFORMANCE (AP)** – Pottorff's Test Chamber has the ability to accurately measure louver Pressure Drop at various airflow rates which is known as Air Performance Testing. The resulting ratings in simple terms are used to compare the difficulty airflow (rated in pressure differential) will encounter when passing through a louver with a given Free Area and blade design. Louvers are generally tested in both intake and exhaust configurations.



RAINFALL MANIFOLD

Water basin and nozzles used to simulate 4" per hour vertical rain during the Water Penetration Test.



WDR SPRAY NOZZLES

Specialty nozzles, calibrated and used to generate a uniform spray pattern during WDR for rainfall rates for both 3" per hour and 8" per hour.

WETTED WALL MANIFOLD

Manifold used to simulate water runoff on the side of a building during Water Penetration Testing.

VENTILATION FAN

With capacity up to 24,000 cfm, our ventilation fan is able to recreate most real world HVAC system airflows during product testing.

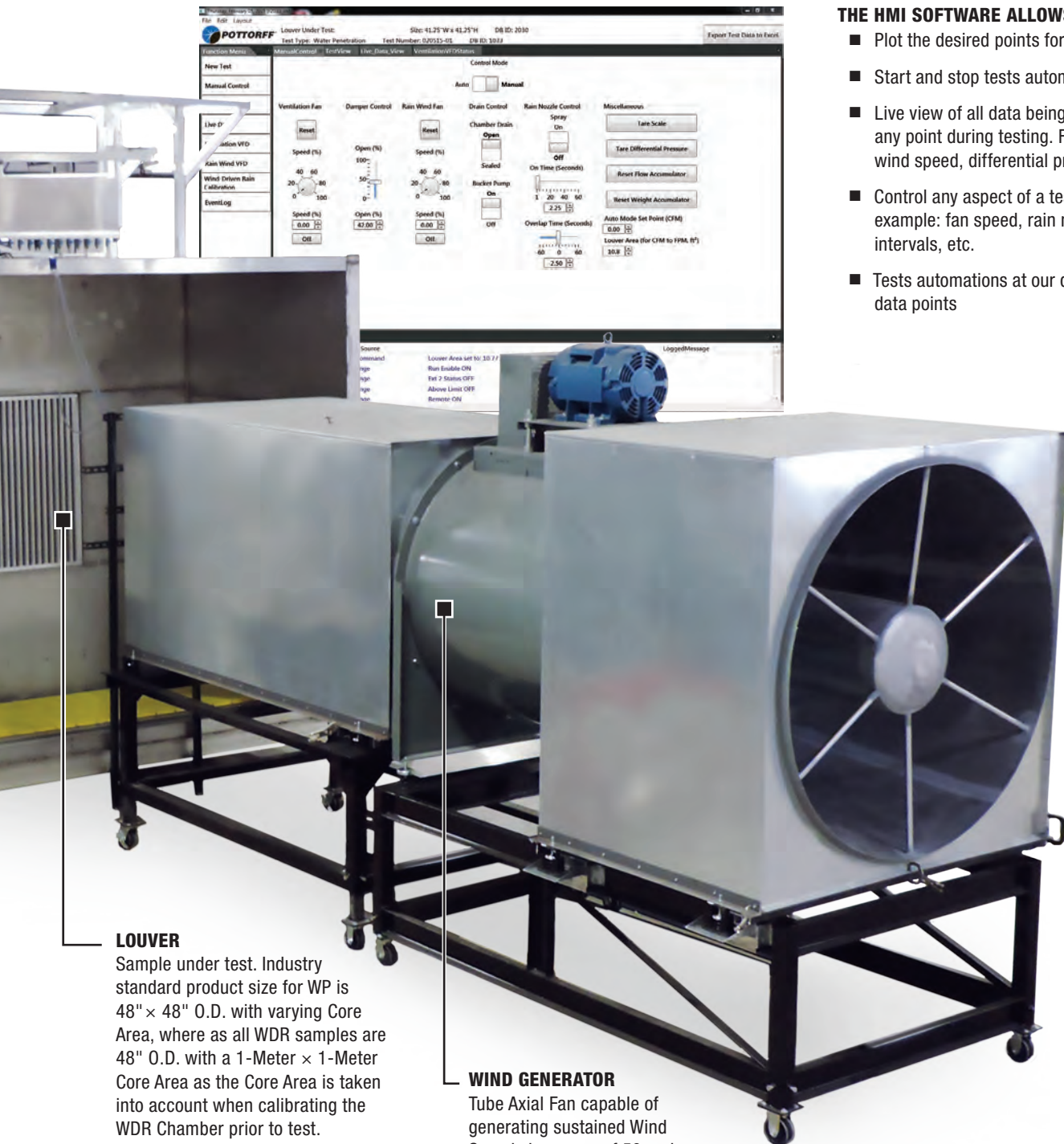
AIRFLOW MEASUREMENT

Using calibrated nozzles with known diameters and a differential pressure, we can accurately measure airflow during testing.

COLLECTION CHAMBER

The collection chamber allows us to collect and measure water that might penetrate louver samples during both WDR and Water Penetration Testing.





THE HMI SOFTWARE ALLOWS US TO:

- Plot the desired points for testing
- Start and stop tests automatically
- Live view of all data being retrieved at any point during testing. For example: wind speed, differential pressure, etc.
- Control any aspect of a test; for example: fan speed, rain nozzle intervals, etc.
- Tests automations at our desired data points

LOUVER

Sample under test. Industry standard product size for WP is 48" x 48" O.D. with varying Core Area, where as all WDR samples are 48" O.D. with a 1-Meter x 1-Meter Core Area as the Core Area is taken into account when calibrating the WDR Chamber prior to test.

WIND GENERATOR

Tube Axial Fan capable of generating sustained Wind Speeds in excess of 50 mph.

OPERABLE LOUVERS

Operable louvers feature operable blades that allow positive shutoff protection of air intake and exhaust openings. They can be controlled manually with a pull chain, hand quadrant or hand crank. They can also be controlled automatically with electric or pneumatic actuators.

- 90-Degree Blade Model Available
- Formed Metal Model Available

OPERABLE EXTRUDED ALUMINUM



EOD-445



EOD-637



EOJ-445



EOJ-637



EOJ-690

THE EOJ-690 IS A HIGH FREE-AREA OPERABLE LOUVER, AND IS AN IDEAL SOLUTION FOR THE AIRFLOW REQUIREMENTS OF DISTRIBUTION WAREHOUSES AND DATA CENTERS

FORMED METAL OPERABLE



SOJ-445

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	MATERIAL	FREE AREA (%) (sq.ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA CERT.*
						VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.wg.)	
EOD-445	4"	45°	DRAINABLE	EXTRUDED ALUMINUM	43.1% 6.9	1024	7096	0.16	-
EOD-637	6"	37.5°	DRAINABLE	EXTRUDED ALUMINUM	53.9% 8.6	1136	9801	0.15	-
EOJ-445	4"	45°	J-BLADE	EXTRUDED ALUMINUM	45.9% 7.3	683	5016	0.10	-
EOJ-637	6"	37.5°	J-BLADE	EXTRUDED ALUMINUM	56.3% 9.0	810	7282	0.12	-
EOJ-690	6"	90°	J-BLADE	EXTRUDED ALUMINUM	68.5% 10.96	748	8325	0.19	AP
SOJ-445	4"	45°	J-BLADE	GALVANNEALED STEEL	46.9% 7.5	775	5813	0.14	-

*AMCA CERT LEGEND: | AP Air Performance

COMBINATION LOUVERS

EBE and EBI louvers feature stationary louver blades and an integral gravity operated backdraft damper to protect openings in exterior walls. The EXA and EXD models feature stationary drainable blades and an integral control damper.

CONCEALED MOTOR OPTION

OPERABLE



EOD-445-CM
EOD-637-CM
EOJ-445-CM
EOJ-637-CM

COMBINATION



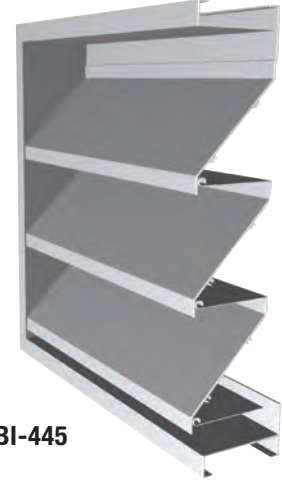
EXA-645-CM
EXD-437-CM
EXD-645-CM

POTTORFF'S CONCEALED MOTOR LOUVERS ARE DESIGNED TO BE USED WHERE ACCESS TO THE ACTUATOR AND HARDWARE NEEDS TO BE CONTROLLED OR RESTRICTED. THE ACTUATOR IS CONCEALED IN THE SILL OF THE LOUVER.

COMBINATION EXTRUDED ALUMINUM



EBE-445



EBI-445



EXA-645



EXD-437
EXD-645

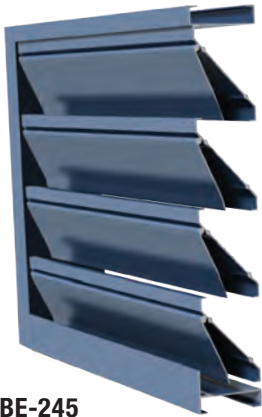
CLASS 1A Leakage

MODEL	DEPTH	BLADE ANGLE		FREE AREA (%) (sq.ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA CERT.*
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.wg)	
EBE-445	4"	45°	J-BD-EXHAUST	49.4% 7.9	689	5396	0.10	-
EBI-445	4"	45°	J-BD-INTAKE	49.4% 7.9	689	5396	0.10	-
EXA-645	6"	37.5° - 45°	COMBINATION	50.4% 8.1	1085	8756	0.11	WP/AP/AL
EXD-437	4"	37.5°	COMBINATION	43.0% 6.9	1172	8134	0.17	WP/AP
EXD-645	6"	37.5° - 45°	COMBINATION	44.4% 7.1	1050	7455	0.19	-

*AMCA CERT LEGEND: | AL Air Leakage | AP Air Performance | WP Water Penetration

FORMED METAL LOUVERS

Formed metal louvers are typically built with galvanized steel and offer an economic solution for basic ventilation applications. These louvers can also withstand corrosion in caustic environments.



**SBE-245
SBE-445
SBI-445**



SFD-445



SFD-635



**SFJ-245
SFJ-445
SFJ-645
SFK-445
SFK-645**



**SFJ-430
SFJ-630**



SFV-445

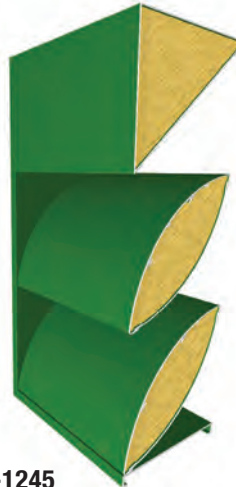
MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (% (sq.ft.))		BEGINNING POINT OF WATER PENETRATION RATINGS		
						VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in.wg.)
SBE-245	2"	45°	J-BD-EXHAUST	41.0%	6.6	383	2528	0.08
SBE-445	4"	45°	J-BD-EXHAUST	46.9%	7.5	775	5813	0.13
SBI-445	4"	45°	J-BD-INTAKE	46.9%	7.5	775	5813	0.14
SFD-445	4"	45°	DRAINABLE	53.1%	8.5	715	6092	0.11
SFD-635	6"	35°	DRAINABLE	61.7%	9.9	815	8044	0.08
SFJ-245	2"	45°	J-BLADE	42.0%	6.7	603	4040	0.06
SFJ-430	4"	30°	J-BLADE	51.0%	8.2	847	6945	0.13
SFJ-445	4"	45°	J-BLADE	48.0%	7.7	775	5991	0.13
SFJ-630	6"	30°	J-BLADE	65.2%	10.4	825	8580	0.08
SFJ-645	6"	45°	J-BLADE	50.0%	8.0	800	6400	0.09
SFK-445	4"	45°	K-BLADE	48.0%	7.7	775	5991	0.13
SFK-645	6"	45°	K-BLADE	50.0%	8.0	800	6400	0.09
SFV-445	4"	45°	CHEVRON	38.0%	6.1	600	3648	0.25

ACOUSTICAL LOUVERS

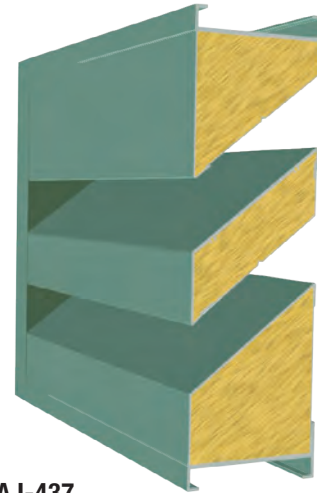
Acoustical louvers have blades packed with sound dampening material. They are used in areas where both ventilation and minimal sound levels are desired. Commonly used in ventilation systems in mechanical equipment rooms.



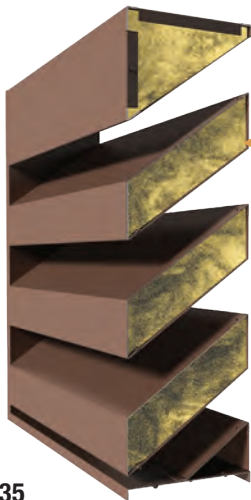
EAA-645
EAA-845



EAA-1245
FAA-1245



EAJ-437
EAJ-637



EAJ-1235

THE 12" EAJ-1235 IS AMCA CERTIFIED FOR WATER PENETRATION, SOUND AND AIR PERFORMANCE. IT IS AMCA 540 LISTED FOR IMPACT RESISTANCE.



SAJ-835
SAJ-1235

MODEL	BLADE DEPTH	BLADE ANGLE	BLADE STYLE	NOISE REDUCTION						FREE AREA		BEGINNING POINT OF WATER PENETRATION RATINGS			AMCA 540	AMCA CERT.*
				125	250	500	1K	2K	4K	(%)	(sq.ft.)	VELOCITY (ft/min)	AIRFLOW (cfm)	PRESSURE DROP (in.wg)		
EAA-645	6"	45°	INSULATED AIRFOIL	11	11	13	16	18	17	25.0%	4.0	1137	4541	0.06	-	-
EAA-845	8"	45°	INSULATED AIRFOIL	8	8	10	14	15	13	37.9%	6.1	649	3931	0.03	-	WP/AP
EAA-1245	12"	45°	INSULATED AIRFOIL	13	14	17	19	18	17	26.3%	4.2	999	4196	0.09	-	-
EAJ-437	4"	37°	INSULATED-J	11	10	12	17	18	17	33.7%	5.4	740	3992	0.06	-	-
EAJ-637	6"	37°	INSULATED-J	10	10	12	22	20	19	32.5%	5.2	890	4627	0.15	-	-
EAJ-1235	12"	35°	INSULATED-J	12	14	18	21	19	16	30.6%	4.9	924	4528	0.08	●	WP/S/AP
FAA-1245	12"	45°	FORMED-AIRFOIL	13	14	17	19	18	17	26.3%	4.2	999	4196	0.09	-	-
SAJ-835	8"	35°	FORMED-J	13	13	19	26	28	23	33.1%	5.3	808	4293	0.07	-	-
SAJ-1235	12"	35°	FORMED-J	12	14	18	21	19	16	30.6%	4.9	924	4528	0.08	-	WP/S/AP

*AMCA CERT LEGEND: | AP Air Performance | S Sound | WP Water Penetration

SPECIALTY PRODUCTS

Brick vents provide a permanent means of gravity ventilation for crawl spaces, hung ceilings, incinerator rooms, foundations, pipe spaces and corridors. Sand louvers are ideal for locations that feature wind-driven sand penetration. Penthouses typically serve as a gravity ventilator, fan discharge or fresh air intake cap, sight shield or pressure relief ventilator.

SPECIALTY LOUVERS



EBV-145
EBV-445
BRICK VENTS

EVS-422
SAND LOUVER



FOJ-445
OPERABLE
FIBERGLASS LOUVER

FFJ-445
FIBERGLASS LOUVER

PENTHOUSES



ECD-445-PH
ECD-635-PH
ECV-645-PH
EFD-445-PH

EFD-635-PH
EFJ-445-PH
EFJ-645-PH



PEV-445
ELEVATOR VENTILATION PENTHOUSE

ICC-500/FEMA GRILLES



XAV-545
UL WINDSTORM
RATED ASSEMBLY



XCD-545
UL WINDSTORM
RATED ASSEMBLY

BEST-IN-CLASS FREE AREA
51.2% @ 48" x 48"
DESIGN PRESSURE: 300 PSF

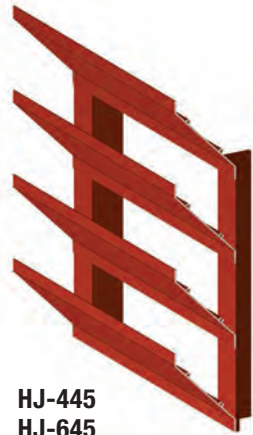
These grilles are designed in accordance with FEMA P320 and FEMA P361 guidelines for shelter and safe rooms. They offer protection against wind pressures and debris impacts from tornadoes and hurricanes.

MODEL	CONSTRUCTION	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (sq.ft.)		AMCA CERT.*	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (fpm)	AIRFLOW (cfm)		PRESSURE DROP (ft.wg)		
SPECIALTY LOUVERS										
EBV-145	ALUMINUM	1.5"	45°	J-BLADE	-	-	-	-	-	-
EBV-445	ALUMINUM	4"	45°	J-BLADE	-	-	-	-	-	-
EVS-422	ALUMINUM	4"	22°	VERTICAL	15.6%	2.5	WS/AP	1250	3113	0.22
FFJ-445	FIBERGLASS	4"	45°	J-BLADE	37.6%	6.0	WP/AP	730	4390	0.08
FOJ-445	FIBERGLASS	4"	45°	OPERABLE	40.2%	6.4	-	627	4030	0.07
PENTHOUSES										
ECD-445-PH	ALUMINUM	4"	45°	CHEVRON	-	-	-	-	-	-
ECD-635-PH	ALUMINUM	4"	45°	CHEVRON	-	-	-	-	-	-
ECV-645-PH	ALUMINUM	6"	35°	VERTICAL CHEVRON	-	-	-	-	-	-
EFD-445-PH	ALUMINUM	4"	45°	DRAINABLE	-	-	-	-	-	-
EFD-635-PH	ALUMINUM	6"	45°	DRAINABLE	-	-	-	-	-	-
EFJ-445-PH	ALUMINUM	4"	45°	J-BLADE	-	-	-	-	-	-
EFJ-645-PH	ALUMINUM	6"	45°	J-BLADE	-	-	-	-	-	-
PEV-445	ALUMINUM	4"	45°	J-BLADE	-	-	-	-	-	-
ICC 500/FEMA GRILLES										
XAV-545	ALUMINUM	5.5"	45°	INVERTED-V	51.2%	8.2	WP/AP	680	5577	0.17
XCD-545	ALUMINUM	5.5"	45°	CHEVRON	37.9%	6.1	WP/AP/W	1250	7575	0.28
XSV-845	STEEL	8"	45°	INVERTED-V	58.5%	9.4	-	-	-	-

*AMCA CERT LEGEND: | AP Air Performance | W Wind-Driven Rain | WS Wind-Driven Sand | WP Water Penetration

EQUIPMENT SCREENS & CANOPY

Whether the design calls for total sight concealment, partial screening, high-volume airflow, specialty shapes, or thermal shading, our sight screens are engineered to meet the most stringent project parameters while satisfying our customer's aesthetic requirements.



HJ-445
HJ-645



HT-401



HZ-200



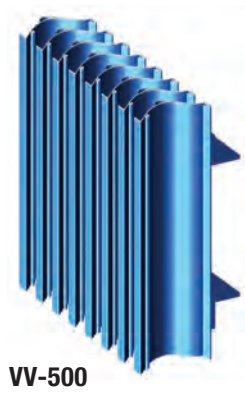
VT-250



VT-654



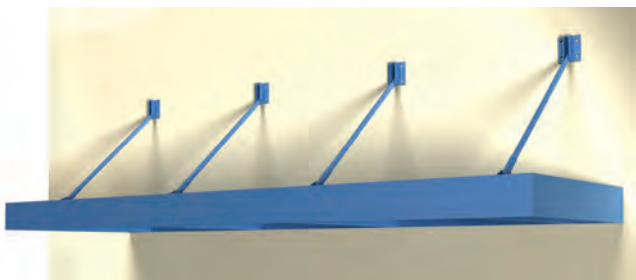
VV-400



VV-500

MODEL	DEPTH	BLADE ANGLE	BLADE	FREE AREA (%) (sq.ft.)
HJ-445	4"	45°	HORIZONTAL-INVERTED J	52.9% 8.5
HJ-645	6"	45°	HORIZONTAL-INVERTED J	48.9% 8.0
HT-401	4"	-	HORIZONTAL-AIRFOIL TUBE	60.0% 9.6
HZ-200	2.25"	45°	HORIZONTAL-CLADDING	19.4% 3.1
VT-250	2.5"	-	VERTICAL-CLADDING	24.4% 3.9
VT-654	4"	-	VERTICAL-CLADDING	21.0% 3.4
VV-400	4"	-	VERTICAL-V	38.8% 6.2
VV-500	5"	-	VERTICAL-V	53.8% 8.6

ACP-802 CANOPY



The ACP-802 is designed to provide an aesthetic style to a building's exterior while keeping the building cool.

Minimum Size: Single Section: 36" wide × 18" projection

Maximum Size: Single Section: 120" × 48"

Multiple Section: Unlimited Width × 48"

LIST (LOUVER INFORMATION AND SELECTION TOOL)

Pottorff's Louver Information and Selection Tool is a state-of-the-art computer based program that puts key information for louver selection at your fingertips. LIST allows engineers and architects to choose the right louver based on application and performance criteria.



IOS AND ANDROID APP AVAILABLE

POTTORFF® LIST

www.pottorff.com/LIST

Pottorff's LIST was developed with engineers and architects in mind. With its intuitive design, this on-line tool takes all the guesswork out of picking the right louver for every job.

– Louver Construction

Louver Type: Stationary
 Material: Anodized Aluminum
 Max Frame Depth: 6"
 Blade Type: Drainable

– Performance Criteria

Airflow Direction: Intake
 Opening Size: 36 x 48
 Air Flow: cfm / fpm
 Beginning Point of Water Penetration: fpm
 Pressure Loss: Δ
 Free Area: ft² / %
 Water Penetration Safety Factor: 1.0
 Wind-Driven Rain Performance: --Test Lt / --Min. Ef

– Standards and Certifications

AMCA Certified Ratings

Air Performance
 Water Penetration
 Wind-Driven Rain

Other Certifications

Miami-Dade (TAS 201-203)
 Miami-Dade (TAS 100A)
 Florida Building Code
 AMCA 540
 AMCA 550
 FEMA 361/320

Search by Model:

Clear Filters

SELECT LOUVERS BASED ON:

- Material
- Louver Type
- Blade Type
- Airflow Velocities
- Airflow Direction
- Opening Size
- Pressure Loss
- Beginning Point of Water Penetration
- Free Area
- AMCA, FBC, Miami-Dade, and FEMA Certifications

Direct links right to the product pages on pottorff.com

[ECD-545](#) +



Depth: 5 in
 Opening Size: 36 in x 48 in
 Airflow: 6618 cfm
 Free Area
 Velocity: 1250 fpm
 Beg. of Water
 Penetration: 1250 fpm
 Δ Pressure: 0.25 in. w.g.
 Free Area: 5.3 ft²
 Free Area %: 45.2%
 Sections: 1 x 1
 Cost: \$\$\$

[ECD-545-MD](#) +



Depth: 5 in
 Opening Size: 36 in x 48 in
 Airflow: 5950 cfm
 Free Area
 Velocity: 1250 fpm
 Beg. of Water
 Penetration: 1250 fpm
 Δ Pressure: 0.21 in. w.g.
 Free Area: 4.8 ft²
 Free Area %: 40.6%
 Sections: 1 x 1
 Cost: \$\$\$

There is no need to register to select louvers and create your Product Schedule. You can also import directly into our SPECs pricing program.

All eligible selections are updated live as you input your selection criteria.

POTTORFF® LIST

Product Selection Product Schedule 4

Line #	Qty	Model	Opening Size	Airflow	Water Pressure	Free Area	Sections	Tags	Notes	Delete
1	1	ECD-545	36 in x 48 in	6618 cfm	0.25 in. w.g.	5.3 ft²	1 x 1			✖
2	1	ECD-545-MD	36 in x 48 in	5950 cfm	0.21 in. w.g.	4.8 ft²	1 x 1			✖
3	1	EOD-445	36 in x 36 in	3556 cfm	0.15 in. w.g.	3.5 ft²	1 x 1			✖
4	1	EOJ-445	36 in x 36 in	2649 cfm	0.11 in. w.g.	3.9 ft²	1 x 1			✖

Print as PDF Print as Excel

Quick SPECs Import Template

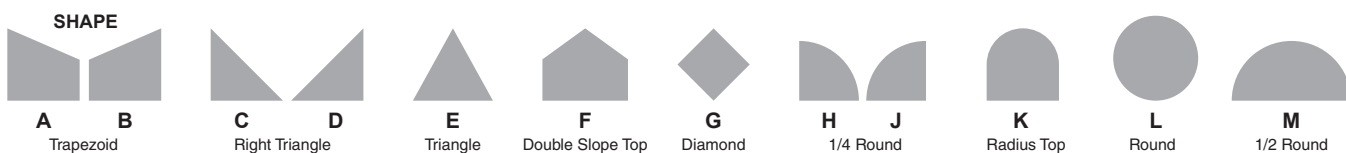


From the Product Schedule tab, you can print as a PDF, print as Excel, or utilize the Quick SPECs Import Template feature.

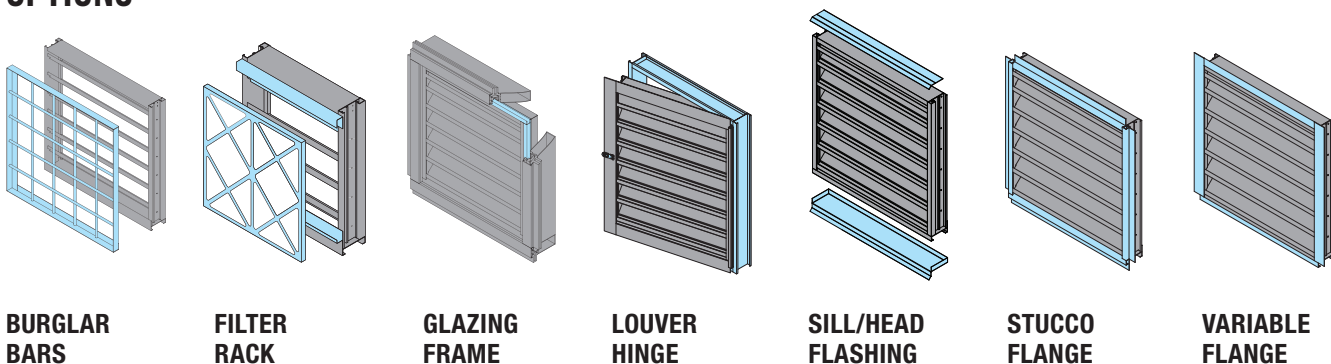
LOUVER OPTIONS

Pottorff offers a complete line of louver options. Whether your project requires special architectural shapes, security burglar bars, flange or frame options, we have the accessories you need. See the back cover for finish options.

LOUVER SHAPES



OPTIONS



BEST WARRANTY IN THE INDUSTRY

To reinforce our reputation for industry-leading products and dependable service, Pottorff offers an industry leading 5-year warranty on our entire line of louver products.

“By backing every product we ship with a 5-year warranty, we reinforce the depth of our commitment to providing customers quality products the first time and every time.”

Pat Cockrum – President, Pottorff

5
year
warranty



Our superior performance paint systems are available in a wide range of colors and we can also custom color match to any of your specifications. Our expertise in applying architectural coatings assures you of a high quality finish. With our color options, you get the color you need when you need it!

PRODUCT FACTS			
Finish Type	Description/Application	Color Selection	Warranty
Fluoropolymer; Decaflon or Newlar meet AAMA 2605. Dry film thickness 2 mil. equivalent to Kynar 500®/Hylar 5000®, Duranar®, Fluoropon®	Our premier finish for extruded aluminum. Tough, long lasting, environmentally friendly powder coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	Standard Colors: 20 standard colors plus Premium Pearl finishes. Custom colors are available. Consult factory.	10 Years (consult factory for availability of extended warranty up to 20 years).
Polyester Powder Coat meets AAMA 2604 dry film thickness 2 mil. equivalent to Baked Enamel.	Environmentally friendly powder coating has good color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	20 standard colors for aluminum products and acoustical louvers, 18 colors for steel. Custom colors are available. Consult factory.	5 Years
Integral Color Anodize AA-M10C22A42 (>0.7 mil)	Electrochemically deposited inorganic color pigment which is sealed to convert an aluminum oxidation into a corrosion resistant finish. Some shade variation will occur.	Champagne; Light, Medium or Dark Bronze; Black	5 Years
Clear Anodize 215 R-1 AA-M10C22A41 (>0.7 mil)	Electrochemically oxidized aluminum surface for uniform clear finish. More resistant to natural oxidizing. Improved luster and less glossy than mill finish.	Clear	5 Years
Alkyd Prime Coat	Preparation for field applied epoxy, vinyl, urethane, or other heavy-duty coatings. Must be finished within 6 months of application. Contamination can occur in transit and in the field; requires field cleaning prior to painting.	N/A	N/A
Mill	Aluminum or Galvanized Steel. Normal weathering will occur.	N/A	N/A

POTTORFF®

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