



See Impact Rating next Page

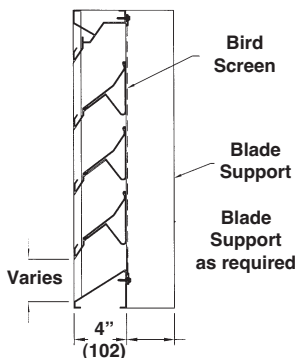
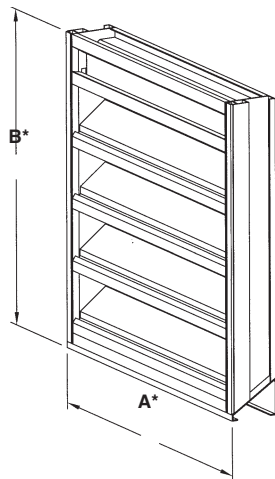
1300 ENTERPRISE ROAD GENEVA, ALABAMA 36340-0580 800-239-4621 FAX 1-800-508-1469 www.reliablelouvers.com

4375DC DRAINABLE STATIONARY LOUVER

MIAMI-DADE APPROVED

MIAMI-DADE COUNTY, FLORIDA NOTICE OF ACCEPTANCE NUMBER: 08-1202.04 (Expires 1/3/13)

Florida Product Approval #FL12900



STANDARD CONSTRUCTION

FRAME

4" (102) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Downspouts and caulking slots provided.

BLADES

6063T5 extruded aluminum, .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37¹/₂° angle and spaced approximately 5³/₃₂" (129) center to center.

SCREEN

5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

FINISH

Mill.

APPROXIMATE SHIPPING WEIGHT

6 lbs./ft.² (29.3 kg/m²).

MINIMUM SIZE

12"w x 12"h (305 x 305).

MAXIMUM SIZE

79¹⁵/₁₆"w x 120"h (2031 x 3048) factory assembly, unlimited width x 120"h (3048) field assembly. Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

INSTALLATION

The 4375DC must be installed per the appropriate installation detail. Reference the appropriate separate installation instruction sheets.

BLADE SUPPORTS

Factory installed on louvers over 28" (635) wide. Support depth is 3" (76) on louvers 60" (1524) tall and under. Support depth is 6" (152) on louvers over 60" (1524) tall.

RECYCLED CONTENT

10% Post Consumer.

30% Pre Consumer, Post Industrial.

FEATURES

- Approved for use in open structures with provisions to manage weather infiltration (wet rooms).
- Maximum windload ±130 PSF (6.22 kPa).
- High performance frame system with drainable head collects and removes water to provide excellent water penetration performance.
- Drain gutter in each blade minimizes water cascade between blades.
- 49% Free Area in 48" x 48" (1.2 x 1.2) size.
- Published performance ratings based on testing in accordance with AMCA Publication 511.
- Aluminum construction for low maintenance and high resistance to corrosion.
- All welded construction.

VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- Extended sill.
- Front or rear security bars.
- Filter racks.
- A variety of bird and insect screens.
- Optional finishes available at additional cost: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearledize, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible.)

Consult Reliable for other special requirements.

Dimensions in inches, parenthesis () indicate millimeters.

*Units furnished 1/2" (13) smaller than given opening dimensions.

TAG	QTY.	SIZE		FRAME	WALL DEPTH	VARIATIONS
		A*-WIDE	B*-HIGH			
PROJECT ARCH./ENGR. REPRESENTATIVE		 WebREPS 1-800-810-3280		LOCATION CONTRACTOR DATE		

MIAMI-DADE COUNTY HURRICANE STRUCTURAL TEST PERFORMANCE

SIZES TESTED: 240¹/₁₆"w x 120" h (6098 x 3048) and 240¹/₁₆"w x 60" h (6098 x 1524)

TAS 201-94 LARGE MISSILE IMPACT TEST

MISSILE TYPE	VELOCITY IN FT/SEC (M/SEC)	IMPACTS
9 lb (4kg) Southern Pine 2" x 4" (51 x 102)	50 (15.24)	7

TAS 202-94 UNIFORM STATIC AIR PRESSURE TEST

LOAD IN PSF (kPa)	LOAD DURATION	LOUVER RECOVERY
+111 (+5.3)	30 seconds	100%
-111 (-5.3)	30 seconds	100%
+148 (+7.1)	30 seconds	100%
-148 (-7.1)	30 seconds	100%
+222 (+10.6)	30 seconds	100%
-222 (-10.6)	30 seconds	100%

TAS 203-94 CYCLIC WIND PRESSURE TEST

CYCLES	LOAD IN PSF (kPa)	LOAD DURATION CYCLE	LOUVER RECOVERY
600	+74 (+3.54)	1 to 3 seconds	100%
600	-74 (-3.54)	1 to 3 seconds	100%
70	+88.8 (+4.25)	1 to 3 seconds	100%
70	-88.8 (-4.25)	1 to 3 seconds	100%
1	+192.4 (+9.21)	1 to 3 seconds	100%
1	-192.4 (-9.21)	1 to 3 seconds	100%

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 4375DC.
Width – Inches and Meters

	12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22	54 1.37	60 1.52	66 1.68	72 1.83	78 1.98	80 2.03
12 0.30	0.16 0.01	0.36 0.03	0.57 0.05	0.78 0.04	0.99 0.09	1.20 0.11	1.41 0.13	1.62 0.15	1.82 0.17	2.03 0.19	2.24 0.21	2.45 0.23	2.52 0.23
18 0.46	0.28 0.03	0.65 0.06	1.02 0.09	1.39 0.13	1.76 0.16	2.13 0.20	2.50 0.23	2.87 0.27	3.24 0.30	3.62 0.34	3.99 0.37	4.36 0.41	4.48 0.42
24 0.61	0.40 0.04	0.93 0.09	1.47 0.14	2.00 0.19	2.53 0.24	3.07 0.29	3.60 0.33	4.13 0.38	4.67 0.43	5.20 0.48	5.73 0.53	5.60 0.52	5.78 0.54
30 0.76	0.52 0.05	1.22 0.11	1.91 0.18	2.61 0.24	3.30 0.31	4.00 0.37	4.70 0.44	5.39 0.50	6.09 0.57	6.78 0.63	7.48 0.70	7.30 0.68	7.54 0.70
36 0.91	0.62 0.06	1.44 0.13	2.27 0.21	3.09 0.29	3.92 0.36	4.74 0.44	5.57 0.52	6.40 0.59	7.22 0.67	8.05 0.75	8.87 0.83	9.70 0.90	9.97 0.93
42 1.07	0.74 0.07	1.73 0.16	2.72 0.25	3.70 0.34	4.69 0.44	5.68 0.53	6.67 0.62	7.65 0.71	8.64 0.80	9.63 0.90	10.62 0.99	11.60 1.08	11.93 1.11
48 1.22	0.86 0.08	2.01 0.19	3.16 0.29	4.31 0.40	5.46 0.51	6.61 0.61	7.76 0.72	8.91 0.83	10.06 0.94	11.21 1.04	12.36 1.15	13.51 1.26	13.90 1.29
54 1.37	0.98 0.09	2.30 0.21	3.61 0.34	4.92 0.46	6.23 0.58	7.55 0.70	8.86 0.82	10.17 0.95	11.48 1.07	12.80 1.19	14.11 1.31	15.42 1.43	15.86 1.47
60 1.52	1.11 0.10	2.58 0.24	4.06 0.38	5.53 0.51	7.01 0.65	8.48 0.79	9.96 0.93	11.43 1.06	12.90 1.20	14.38 1.34	15.85 1.47	17.33 1.61	17.82 1.66
66 1.68	1.20 0.11	2.81 0.26	4.41 0.41	6.02 0.56	7.62 0.71	9.23 0.86	10.83 1.01	12.43 1.16	14.04 1.31	15.64 1.45	17.25 1.60	18.85 1.75	19.39 1.80
72 1.83	1.33 0.12	3.09 0.29	4.86 0.45	6.63 0.62	8.39 0.78	10.16 0.94	11.93 1.11	13.69 1.27	15.46 1.44	17.23 1.60	18.99 1.77	20.76 1.93	21.35 1.99
78 1.98	1.45 0.13	3.38 0.31	5.31 0.49	7.23 0.67	9.16 0.85	11.09 1.03	13.02 1.21	14.95 1.39	16.88 1.57	18.81 1.75	20.74 1.93	22.67 2.11	23.31 2.17
84 2.13	1.57 0.15	3.66 0.34	5.75 0.53	7.84 0.73	9.94 0.92	12.03 1.12	14.12 1.31	16.21 1.51	18.30 1.70	20.39 1.90	22.49 2.09	24.58 2.29	25.27 2.35
90 2.29	1.69 0.16	3.94 0.37	6.20 0.58	8.45 0.79	10.71 1.00	12.96 1.21	15.21 1.41	17.47 1.62	19.72 1.83	21.98 2.04	24.23 2.25	26.49 2.46	27.24 2.53
96 2.44	1.81 0.17	4.23 0.39	6.65 0.62	9.06 0.84	11.48 1.07	13.89 1.29	16.31 1.52	18.73 1.74	21.14 1.97	23.56 2.19	25.98 2.42	28.39 2.64	29.20 2.72
102 2.59	1.91 0.18	4.46 0.41	7.00 0.65	9.55 0.89	12.0 1.12	14.64 1.36	17.19 1.60	19.73 1.84	22.28 2.07	24.82 2.31	27.37 2.55	29.92 2.78	30.76 2.86
108 2.74	2.03 0.19	4.74 0.44	7.45 0.69	10.16 0.94	12.87 1.20	15.57 1.45	18.28 1.70	20.99 1.95	23.70 2.20	26.41 2.46	29.12 2.71	31.82 2.96	32.73 3.04
114 2.90	2.15 0.20	5.02 0.47	7.89 0.73	10.77 1.00	13.64 1.27	16.51 1.54	19.38 1.80	22.25 2.07	25.12 2.34	27.99 2.60	30.86 2.87	33.73 3.14	34.69 3.23
120 3.05	2.27 0.21	5.31 0.49	8.34 0.78	11.37 1.06	14.41 1.34	17.44 1.62	20.47 1.90	23.51 2.19	26.54 2.47	29.57 2.75	32.61 3.03	35.64 3.31	36.65 3.41



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6375DC DRAINABLE STATIONARY LOUVER

MIAMI-DADE APPROVED

MIAMI-DADE COUNTY, FLORIDA NOTICE OF ACCEPTANCE NUMBER: 08-1110.12 (Renewal Pending)

Florida Product Approval #FL12900

STANDARD CONSTRUCTION

FRAME

Universal Flange Frame with front flange: 6" (152) deep, .081" (2.1) nominal wall thickness. Downspouts and caulking surfaces provided.

Optional Box Frame: Same material and gauges as above without front flange. For masonry walls only.

Optional Sleeved Box Frame (for louver/ damper combination units only): box frame with factory installed .125" thick aluminum sleeve around perimeter. Sleeve depth: 33" (838). Reference back page for frame details.

BLADES

6063T5 extruded aluminum. .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37 1/2° angle and spaced approximately 5 29/32" (150) center to center.

SCREEN

3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame.

FINISH

Mill.

APPROXIMATE SHIPPING WEIGHT

14 lbs./ft.² (68 kg per m²)

MINIMUM SIZE

12"w x 12"h (305 x 305).

MAXIMUM SIZE

Universal Installation Frame: 84"w x 120"h (1234 x 3048) factory assembly, unlimited width x 120"h (3048) field assembly.

Optional Box Frame (for masonry walls only): 47 1/4"w x 71 1/4"h (1200 x 1810) factory and field assembly.

Optional Sleeved Box Frame (for louver/ damper combination): 78"w x 96"h (1981 x 2438) factory assembly, 156" x 96" (3962 x 2438) field assembly.

INSTALLATION

The 6375DC must be installed per the appropriate Installation Detail. Reference the appropriate separate Installation Instruction Sheets.

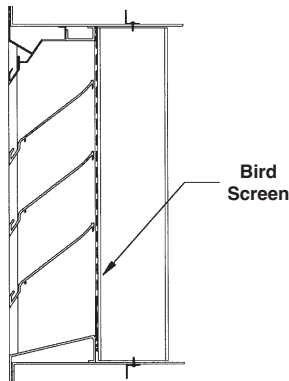
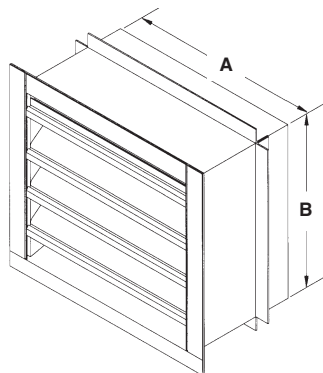
Consult Reliable for additional information.

FEATURES

- Approved for use in open structures with provisions to manage weather infiltration (wet rooms).
- Maximum windload ±148 PSF (7.08 kPa).
- Universal Flange Frame allows installation in walls up to 10" deep (254) and in any wall material. Also available for walls up to 15" (381) deep with UFF15 frame.
- No additional installation angles or fasteners are required with the Universal Installation Frame. Fasteners penetrating the wall are not utilized.
- Approved for use in closed structures with provisions to manage weather infiltration when combined with optional 8RAFB CD7 control damper.
- Optional Box Frame construction available for use in masonry walls only. Maximum windload for Box Frame construction is ±138 psf.
- Optional Sleeved Box Frame construction available for 6375DC/8RAFB CD7 combination units. Optional frame construction available for 6375DC/8RAFB CD7 combination units. Dampers are shipped separately for field installation in sleeves.
- 57% Free Area.
- Published performance ratings based on testing in accordance with AMCA Publication 500-L.
- Optional finishes available at additional cost: prime coat, baked enamel (modified fluoropolymer), epoxy, Acrodize, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible.)

Consult Reliable for other special requirements.

Louvers ordered as Actual Size will not be undersized. Order acknowledgements for actual size orders or orders with engineering drawings may show actual louver frame dimensions less sleeve thickness.



*Please provide Rough Opening Dimensions for A & B dimensions. Unless ordered as actual size, louvers will be provided smaller than the A & B dimensions provided.

Universal Flange Frame louvers will be undersized 1/2" (12) from the rough opening dimensions provided. Louvers with the optional Box Frame will be undersized 1" (25) from the rough opening dimensions provided. Louvers with the optional Sleeved Box Frame will be undersized 1 3/4" (45) in width and 7/8" (22) in height from the rough opening dimensions provided.

Dimensions in inches, parenthesis () indicate millimeters.

TAG	QTY.	SIZE		FRAME	WALL DEPTH	VARIATIONS
		A*-WIDE	B*-HIGH			
PROJECT ARCH./ENGR. REPRESENTATIVE  WebREPS 1-800-810-3280 LOCATION CONTRACTOR DATE						

MIAMI-DADE COUNTY HURRICANE STRUCTURAL TEST PERFORMANCE

SIZE TESTED: 251³/₄ W X 119³/₄ H (6394 X 3042)

PA 201-94 LARGE MISSILE IMPACT TEST (LOUVER ONLY):

MISSILE TYPE	VELOCITY IN FT/SEC (M/SEC)	IMPACTS
9 lb (4kg) Southern Pine 2" x 4" (51 x 102)	50 (15.24)	7

PA 202-94 UNIFORM STATIC AIR PRESSURE TEST (LOUVER ONLY)

LOAD IN PSF (kPA)	LOAD DURATION	LOUVER/DAMPER RECOVERY
+111 (+5.3)	30 seconds	100%
-111 (-5.3)	30 seconds	100%
+148 (+7.1)	30 seconds	100%
-148 (-7.1)	30 seconds	100%
+222 (+10.6)	30 seconds	100%
-222 (-10.6)	30 seconds	100%

PA 203-94 CYCLIC WIND PRESSURE TEST (LOUVER ONLY)

CYCLES	LOAD IN PSF (kPA)	LOAD DURATION CYCLE	LOUVER RECOVERY
600	+74 (+3.54)	1 to 3 seconds	100%
600	-74 (-3.54)	1 to 3 seconds	100%
70	+88.8 (+4.25)	1 to 3 seconds	100%
70	-88.8 (-4.25)	1 to 3 seconds	100%
1	+192.4 (+9.21)	1 to 3 seconds	100%
1	-192.4 (-9.21)	1 to 3 seconds	100%

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 6375DC.

Width – Inches and Meters

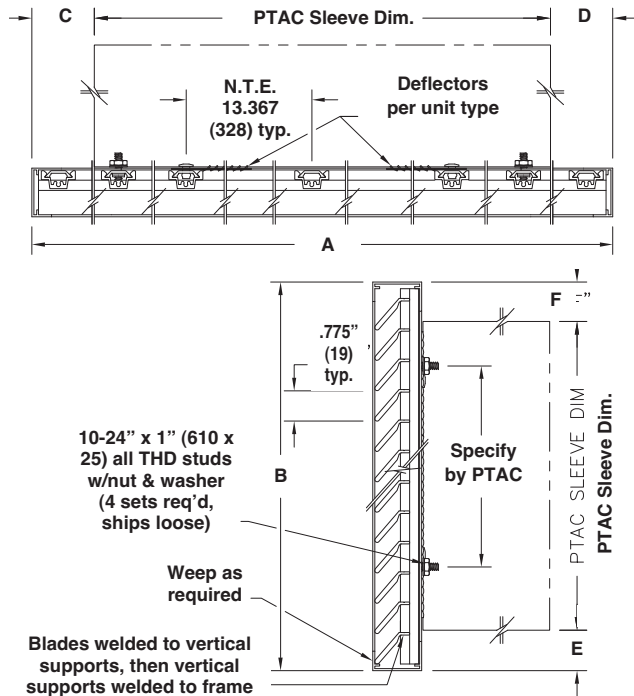
Height – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
12	0.31	0.49	0.67	0.86	1.04	1.22	1.41	1.59	1.77	1.96	2.14	2.32	2.51	2.69	2.88	3.06	3.25	3.43	3.61
0.30	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.20	0.22	0.23	0.25	0.27	0.28	0.30	0.32	0.34
18	0.58	0.93	1.28	1.63	1.98	2.32	2.68	3.03	3.37	3.73	4.08	4.42	4.77	5.13	5.48	5.82	6.18	6.52	6.87
0.46	0.05	0.09	0.12	0.15	0.18	0.22	0.25	0.28	0.31	0.35	0.38	0.41	0.44	0.48	0.51	0.54	0.57	0.61	0.64
24	0.86	1.38	1.89	2.40	2.92	3.43	3.96	4.47	4.98	5.50	6.02	6.53	7.05	7.57	8.09	8.60	9.12	9.63	10.15
0.61	0.08	0.13	0.18	0.22	0.27	0.32	0.37	0.42	0.46	0.51	0.56	0.61	0.66	0.70	0.75	0.80	0.85	0.89	0.94
30	1.14	1.82	2.50	3.18	3.87	4.54	5.24	5.92	6.59	7.28	7.97	8.64	9.33	10.01	10.70	11.37	12.06	12.74	13.42
0.76	0.11	0.17	0.23	0.30	0.36	0.42	0.49	0.55	0.61	0.68	0.74	0.80	0.87	0.93	0.99	1.06	1.12	1.18	1.25
36	1.41	2.26	3.11	3.95	4.80	5.64	6.52	7.35	8.18	9.04	9.89	10.73	11.58	12.44	13.29	14.13	14.98	15.82	16.67
0.91	0.13	0.21	0.29	0.37	0.45	0.52	0.61	0.68	0.76	0.84	0.92	1.00	1.08	1.16	1.24	1.31	1.39	1.47	1.55
42	1.69	2.70	3.72	4.72	5.75	6.74	7.79	8.79	9.79	10.81	11.83	12.83	13.86	14.88	15.89	16.90	17.92	18.92	19.94
1.07	0.16	0.25	0.35	0.44	0.53	0.63	0.72	0.82	0.91	1.00	1.10	1.19	1.29	1.38	1.48	1.57	1.67	1.76	1.85
48	1.97	3.15	4.33	5.50	6.69	7.86	9.08	10.24	11.40	12.59	13.78	14.95	16.14	17.33	18.51	19.68	20.87	22.04	23.23
1.22	0.18	0.29	0.40	0.51	0.62	0.73	0.84	0.95	1.06	1.17	1.28	1.39	1.50	1.61	1.72	1.83	1.94	2.05	2.16
54	2.24	3.59	4.94	6.27	7.63	8.96	10.35	11.67	13.00	14.35	15.71	17.04	18.40	19.75	21.10	22.44	23.79	25.12	26.48
1.37	0.21	0.33	0.46	0.58	0.71	0.83	0.96	1.08	1.21	1.33	1.46	1.58	1.71	1.84	1.96	2.09	2.21	2.33	2.46
60	2.52	4.03	5.55	7.05	8.57	10.06	11.62	13.12	14.60	16.13	17.65	19.14	20.67	22.19	23.71	25.21	26.73	28.22	29.75
1.52	0.23	0.37	0.52	0.66	0.80	0.93	1.08	1.22	1.36	1.50	1.64	1.78	1.92	2.06	2.20	2.34	2.48	2.62	2.76
66	2.80	4.47	6.16	7.82	9.51	11.17	12.90	14.56	16.20	17.90	19.59	21.24	22.94	24.63	26.31	27.98	29.67	31.32	33.01
1.68	0.26	0.42	0.57	0.73	0.88	1.04	1.20	1.35	1.51	1.66	1.82	1.97	2.13	2.29	2.44	2.60	2.76	2.91	3.07
72	3.08	4.92	6.76	8.59	10.45	12.27	14.18	16.00	17.81	19.67	21.53	23.35	25.21	27.07	28.91	30.74	32.60	34.42	36.28
1.83	0.29	0.46	0.63	0.80	0.97	1.14	1.32	1.49	1.66	1.83	2.00	2.17	2.34	2.52	2.69	2.86	3.03	3.20	3.37
78	3.35	5.36	7.37	9.37	11.40	13.38	15.45	17.44	19.41	21.44	23.47	25.45	27.48	29.51	31.52	33.51	35.54	37.52	39.55
1.98	0.31	0.50	0.68	0.87	1.06	1.24	1.44	1.61	1.80	1.99	2.18	2.37	2.55	2.74	2.93	3.11	3.30	3.49	3.68
84	3.63	5.80	7.98	10.14	12.34	14.48	16.73	18.88	21.02	23.21	25.41	27.55	29.75	31.94	34.12	36.28	38.48	40.62	42.82
2.13	0.34	0.54	0.74	0.94	1.15	1.35	1.55	1.75	1.95	2.16	2.36	2.56	2.76	2.97	3.17	3.37	3.58	3.77	3.98
90	3.91	6.25	8.59	10.92	13.28	15.59	18.01	20.32	22.62	24.98	27.35	29.65	32.02	34.38	36.73	39.05	41.41	43.72	46.09
2.29	0.36	0.58	0.80	1.01	1.23	1.45	1.67	1.89	2.10	2.32	2.54	2.76	2.98	3.19	3.41	3.63	3.85	4.06	4.28



1300 ENTERPRISE ROAD GENEVA, ALABAMA 36340-0580 800-239-4621 FAX 1-800-508-1469 www.reliablelouvers.com

AEL-42-7020W (IMPACT LOUVER)



Notes:

1. For installation instructions see sheet 08AR016 (SEQ #0478)
2. Dimensions in inches, parenthesis () indicate millimeters
3. A not to exceed 74" (1880)
4. B not to exceed 24" (610)

* Dimensions determined by unit, model, and type.

STANDARD CONSTRUCTION

- Extruded aluminum; 6063-T5
- 42° architectural decorative louver w/heavy duty blades PTAC wall application
- .125" (3) blade thickness

OPTIONS

- ☐ Clear or anodized finish
- ☐ Prime coat
- ☐ Baked Enamel (Kynar 50%)
- ☐ Pearledized 50 or 70
- ☐ Kynar 70%
- ☐ .040" (1) aluminum sheet
- ☐ .040" (1) aluminum (1 side) with 1" (25) insulation
- ☐ .040" (1) aluminum (2 sides) with 2" (51) insulation
- ☐ Other blankoff required
- ☐ Exterior mounting holes as required
- ☐ See AEL frames for perimeter frame options

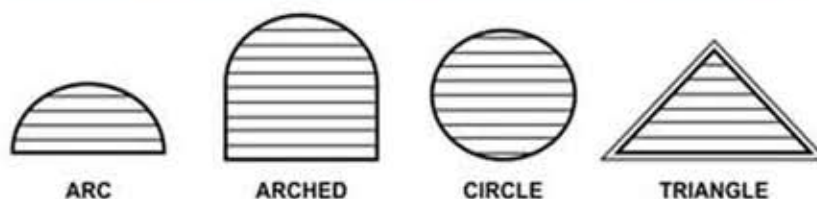
VARIATIONS

- ☐ External drains
- ☐ Using drain kits
 - ☐ Left or ☐ Right
- ☐ Internal drains
 - No drain holes in rear of louver
 - Drain holes for PTAC emergency over flow
- ☐ Unit type _____
- ☐ Model _____
- ☐ Add'l drain info _____

* Dimensions determined by unit, model, and type.

#7060	#1932	#2361	#186
Position #1 Position #2	Position #1 Position #2	Position #1 Position #2	

UNIT TYPE	UNIT MODEL NO.	ACTUAL SIZE						VARIATIONS
		A	B	C	D	E	F	
PROJECT ARCH./ENGR. REPRESENTATIVE		WebREPS 1-800-810-3280			LOCATION CONTRACTOR DATE			



LOUVERS

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