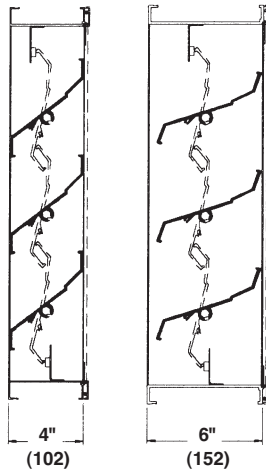
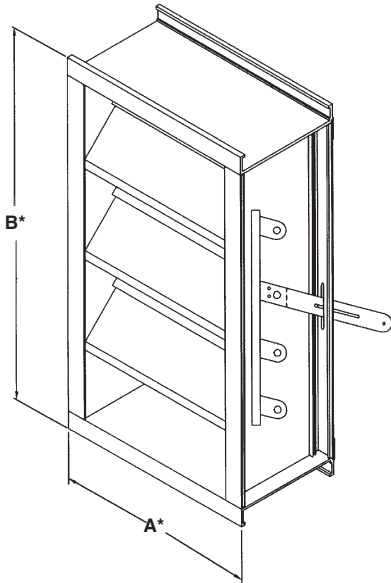


445RBABL, 445RBABL125 AND 645RBABL ADJUSTABLE LOUVER EXTRUDED ALUMINUM



STANDARD CONSTRUCTION

STANDARD CONSTRUCTION

FRAME

445RBABL - .081 (2.1) - 4" (102) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. 445RBABL125 - .125 (3.2) - 4" (102) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. 645RBABL - 6" (152) deep, 6063T5 extruded aluminum with .125" (3.2) nominal wall thickness. Caulking surfaces provided.

BLADES

6063T5 extruded aluminum. 445RBABL - .081" (2.1) nominal wall thickness. J-style blades are adjustable to 45° angle. 645RBABL - .081" (2.1) nominal wall thickness. J-style blades are adjustable to 70° angle. 445RBABL125 - .125 (3.2) nominal wall thickness. Blade spacing is approximately 4 3/4" (121) center to center.

SCREEN

3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

BEARINGS

Stainless steel sleeve pressed into frame.

AXLES

1/2" (13) plated steel hex.

FINISH

Mill.

LINKAGE

Concealed in frame.

ACTUATOR

Locking louver quadrant.

MINIMUM SIZE

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

APPROXIMATE SHIPPING WEIGHT

445RBABL - 4 lbs. per sq. ft.

645RBABL - 4.5 lbs. per sq. ft.

MAXIMUM FACTORY ASSEMBLY SIZE

Shall be 60" x 96" (1524 x 2438). Louvers with optional blade and jamb seals shall be 48" x 96" (1219 x 2438). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

FEATURES

The 645RBABL and 445RBABL offer:

- Low torque operation and architecturally pleasing appearance with low leakage performance.
- Hexagonal shaped axles assure positive blade alignment and low operating torque.
- Concealed blade linkage is protected from weather exposure and reduces required installation depth.
- Blade and jamb seal options provide tight blade-to-blade and blade-to-frame closure, allowing less than 4 cfm per sq. ft. at 1/2" pressure differential.

VARIATIONS

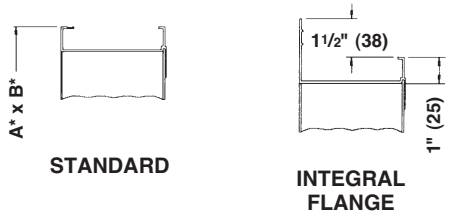
Variations to the basic design of this louver are available at additional cost. They include:

- Extended sill
- Front or rear security bars
- A variety of bird and insect screens
- Filter racks
- Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearledize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible.)
- Blade edge and jamb seals.
- Manual, electric or pneumatic actuators.

Available with .125" (3.2) construction throughout, refer to as **445RBABL** and **645RBABL**.


Consult Reliable for other special requirements.

FRAME CONSTRUCTION



Dimensions in inches, parenthesis () indicate millimeters.

*Units furnished 1/4" (6) smaller than given opening dimensions.

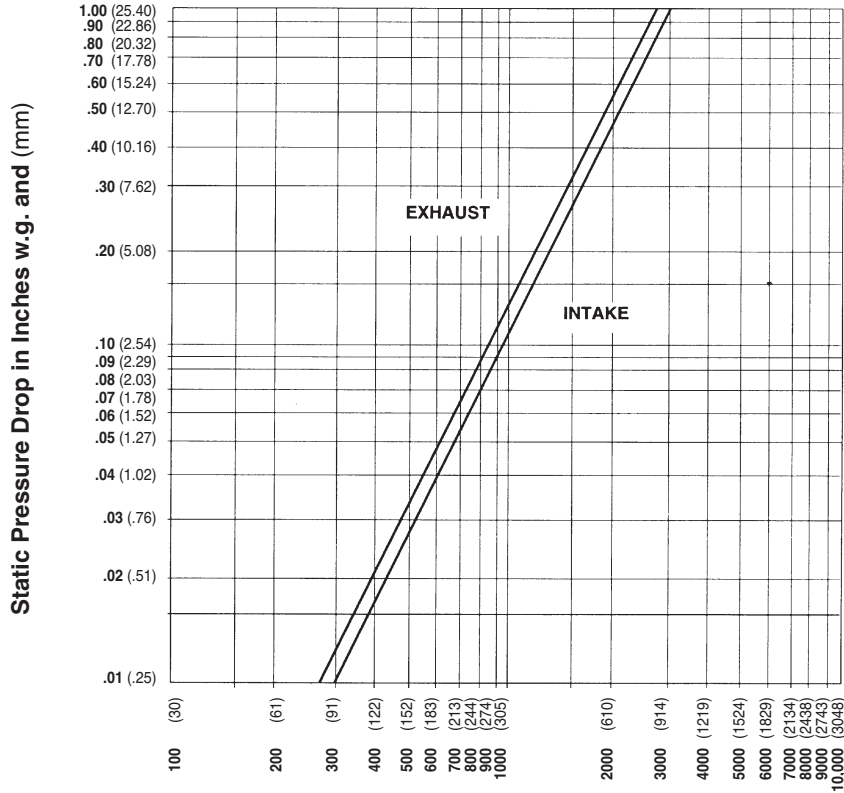
TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		
PROJECT ARCH./ENGR. REPRESENTATIVE		 WebREPS 1-800-810-3280		LOCATION CONTRACTOR DATE	



645RBABL
445RBABL
445RBABL125

445RBABL and 445RBABL125 PRESSURE DROP


WebREPS
 1-800-810-3280



Ratings do not include the effect of a bird screen.

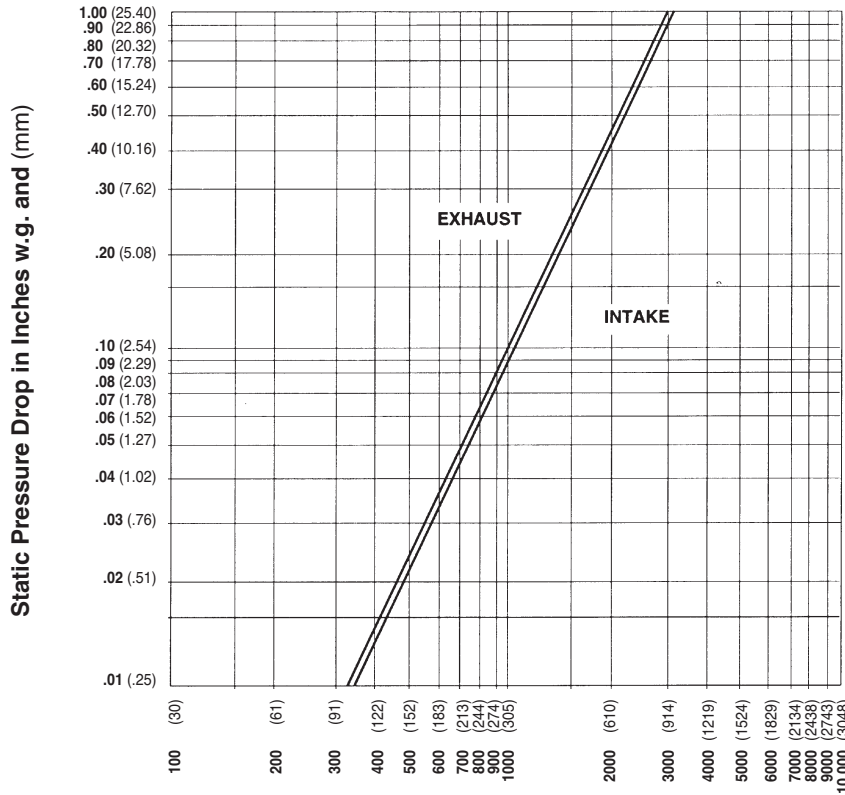
FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 445RBABL and 445RBABL125
 Width – Inches and Meters

Height – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
12	.30	.46	.61	.76	.91	1.07	1.22	1.37	1.52	1.68	1.83	1.96	2.13	2.29	2.44
18	.42	.68	.93	1.19	1.45	1.71	1.96	2.22	2.48	2.73	2.99	3.25	3.51	3.76	4.02
24	.55	.88	1.22	1.55	1.88	2.22	2.55	2.89	3.22	3.56	3.89	4.23	4.56	4.89	5.23
30	.76	1.23	1.69	2.16	2.62	3.09	3.55	4.02	4.48	4.95	5.41	5.88	6.34	6.81	7.27
36	.93	1.49	2.06	2.62	3.19	3.76	4.32	4.89	5.45	6.02	6.58	7.15	7.72	8.28	8.85
42	1.11	1.79	2.47	3.15	3.83	4.51	5.19	5.87	6.55	7.23	7.91	8.59	9.27	9.95	10.63
48	1.30	2.09	2.88	3.67	4.46	5.26	6.05	6.84	7.63	8.42	9.21	10.01	10.80	11.59	12.38
54	1.42	2.29	3.16	4.03	4.90	5.77	6.64	7.51	8.38	9.25	10.11	10.98	11.85	12.72	13.59
60	1.64	2.64	3.64	4.64	5.64	6.64	7.64	8.64	9.64	10.64	11.64	12.64	13.64	14.64	15.64
66	1.80	2.90	4.00	5.10	6.20	7.30	8.40	9.51	10.61	11.71	12.81	13.91	15.01	16.11	17.21
72	1.99	3.20	4.42	5.63	6.84	8.06	9.27	10.49	11.70	12.92	14.15	15.34	16.56	17.77	18.99
78	2.17	3.50	4.82	6.15	7.48	8.80	10.13	11.46	12.78	14.11	15.44	16.76	18.09	19.42	20.74
84	2.30	3.70	5.11	6.51	7.91	9.32	10.72	12.13	13.53	14.93	16.34	17.74	19.14	20.55	21.95
90	2.51	4.05	5.58	7.12	8.65	10.19	11.72	13.25	14.79	16.32	17.86	19.39	20.93	22.46	24.00
96	2.68	4.31	5.95	7.58	9.22	10.85	12.49	14.12	15.76	17.39	19.03	20.67	22.30	23.94	25.57

645RBABL PRESSURE DROP



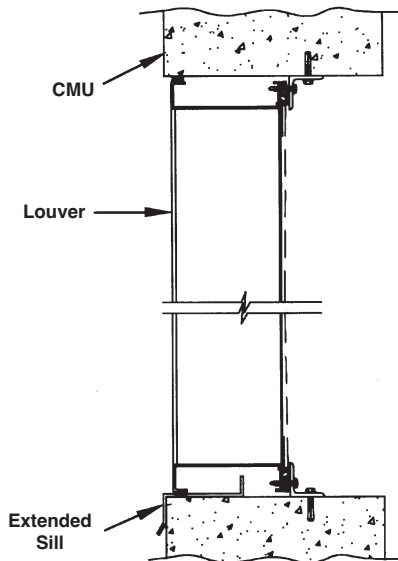
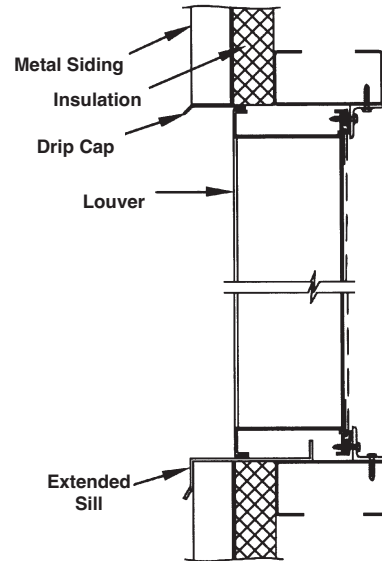
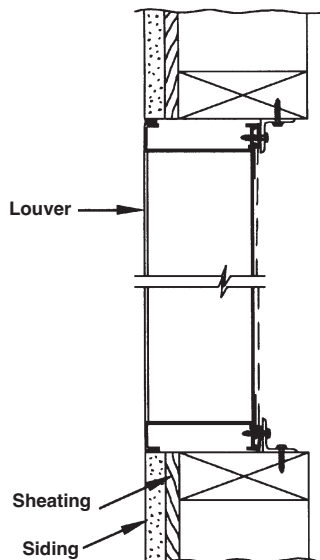
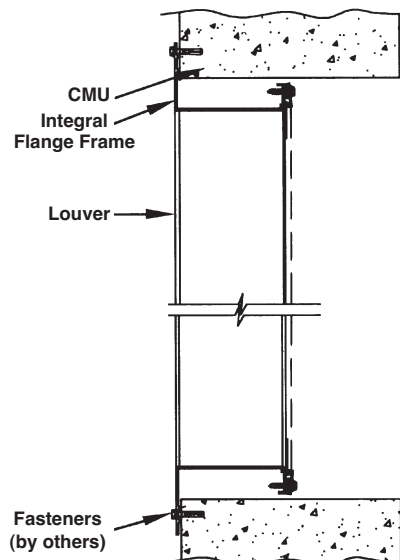
Ratings do not include the effect of a bird screen.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 645RBABL
Width – Inches and Meters

Height – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	.30	.46	.61	.76	.91	1.07	1.22	1.37	1.52	1.68	1.83	1.96	2.13	2.29	2.44
12	.32	.52	.72	.91	1.11	1.31	1.51	1.70	1.90	2.10	2.30	2.49	2.69	2.89	3.08
.30	.03	.05	.07	.08	.10	.12	.14	.16	.18	.19	.21	.23	.25	.27	.29
18	.59	.95	1.32	1.68	2.04	2.40	2.77	3.14	3.49	3.85	4.21	4.58	4.94	5.30	5.66
.46	.06	.09	.12	.16	.19	.22	.26	.29	.32	.36	.39	.43	.46	.49	.53
24	.81	1.30	1.79	2.28	2.77	3.26	3.76	4.25	4.74	5.23	5.72	6.22	6.71	7.20	7.69
.61	.07	.12	.17	.21	.26	.30	.35	.39	.44	.49	.53	.58	.62	.67	.71
30	1.11	1.78	2.46	3.13	3.81	4.48	5.16	5.83	6.51	7.18	7.86	8.53	9.21	9.88	10.56
.76	.10	.17	.23	.29	.35	.42	.48	.54	.60	.67	.73	.79	.86	.92	.98
36	1.36	2.18	3.01	3.84	4.67	5.50	6.33	7.15	7.98	8.81	9.64	10.47	11.30	12.12	12.95
.91	.13	.20	.28	.36	.43	.51	.59	.66	.74	.82	.90	.97	1.05	1.13	1.20
42	1.71	2.76	3.81	4.85	5.90	6.95	8.00	9.04	10.09	11.14	12.18	13.23	14.28	15.33	16.37
1.07	.16	.26	.35	.45	.55	.65	.74	.84	.94	1.03	1.13	1.23	1.33	1.42	1.52
48	1.98	3.20	4.41	5.62	6.83	8.04	9.25	10.47	11.68	12.89	14.10	15.31	16.53	17.74	18.95
1.22	.18	.30	.41	.52	.63	.75	.86	.97	1.08	1.20	1.31	1.42	1.54	1.65	1.76
54	2.20	3.54	4.88	6.22	7.56	8.90	10.25	11.59	12.93	14.27	15.61	16.95	18.30	19.64	20.98
1.37	.20	.33	.45	.58	.70	.83	.95	1.08	1.20	1.33	1.45	1.58	1.70	1.82	1.95
60	2.50	4.02	5.55	7.07	8.60	10.12	11.65	13.17	14.70	16.22	17.75	19.27	20.80	22.32	23.85
1.52	.23	.37	.52	.66	.80	.94	1.08	1.22	1.37	1.51	1.65	1.79	1.93	2.07	2.22
66	2.75	4.42	6.10	7.78	9.46	11.14	12.81	14.49	16.17	17.85	19.53	21.21	22.88	24.56	26.24
1.68	.26	.41	.57	.72	.88	1.03	1.19	1.35	1.50	1.66	1.81	1.97	2.13	2.28	2.44
72	3.10	5.00	6.90	8.79	10.69	12.59	14.49	16.38	18.28	20.18	22.07	23.97	25.87	27.76	29.66
1.83	.29	.46	.64	.82	.99	1.17	1.35	1.52	1.70	1.87	2.05	2.23	2.40	2.58	2.76
78	3.37	5.44	7.50	9.56	11.62	13.68	15.74	17.81	19.87	21.93	23.99	26.05	28.11	30.17	32.24
1.96	.31	.50	.70	.89	1.08	1.27	1.46	1.65	1.85	2.04	2.23	2.42	2.61	2.80	2.99
84	3.59	5.78	7.97	10.16	12.35	14.54	16.74	18.93	21.12	23.31	25.50	27.69	29.88	32.08	34.27
2.13	.33	.54	.74	.94	1.15	1.35	1.55	1.76	1.96	2.17	2.37	2.57	2.78	2.98	3.18
90	3.89	6.26	8.64	11.01	13.39	15.76	18.13	20.51	22.88	25.26	27.63	30.01	32.38	34.76	37.13
2.29	.36	.58	.80	1.02	1.24	1.46	1.68	1.91	2.13	2.35	2.57	2.79	3.01	3.23	3.45
96	4.14	6.67	9.19	11.72	14.25	16.78	19.30	21.83	24.36	26.89	29.42	31.94	34.47	37.00	39.53
2.44	.38	.62	.85	1.09	1.32	1.56	1.79	2.03	2.26	2.50	2.73	2.97	3.20	3.44	3.67

TYPICAL INSTALLATION DETAILS**Masonry Wall****Metal Panel Wall****Wood Installation****Flange Mount**

Accessories at additional cost.

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be adjustable type entirely contained within a 4" (102) or 6" (152) frame. Louver components (heads, jams, sills, blades & mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall limit span between visible mullions to 5 ft. (1530) and shall incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa, equivalent of a 90 mph wind [145 KPH] - specifier may substitute any loading required).

Louvers shall be Reliable Model 645RBABL, 445RBABL or 445RBABL125 6063T5 extruded aluminum alloy construction as follows:

- Frame: .081" (2.1) extruded aluminum (445RBABL).
.125" (3.2) extruded aluminum (645RBABL).
- Blades: .081" (2.1) wall thickness on approximately 43/4" (121) centers.
- Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame.
- Finish: Select finish specification from Reliable Finishes Brochure.