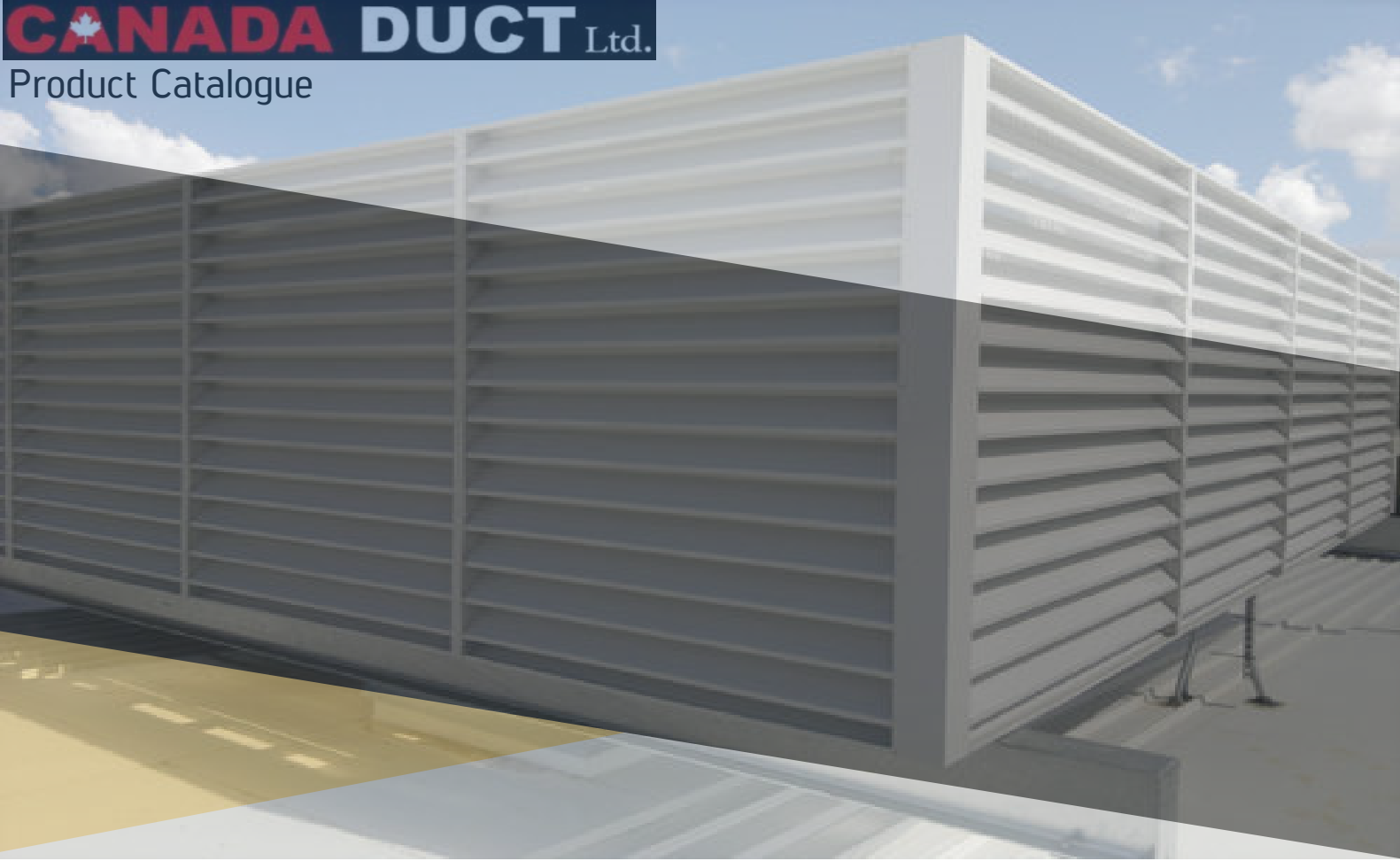


2022
PRODUCTS

Aluminum Louver

CANADA DUCT Ltd.
Product Catalogue



We Build Tomorrow's World



الكندية للقوى الكهربائية المتطورة

canadaducteg.com





Models

- VD-R "Square Volume Damper"
- VD-C "Circular Volume Damper"



Features

- Frame and blades are extruded aluminum alloy.
- The frame and blades are 16 G and 18 G Respectively.
- Suitable for manual and motorized operation.

Aluminum Louver

CANADA DUCT Ltd.

Model Design

Canadaduct Aluminum Louvers are designed for ventilation applications, Sand Trap Louvers are designed specially for fresh air intake applications.

Model Use

For supply applications can be provided with volume damper to control the amount of air.

Filters

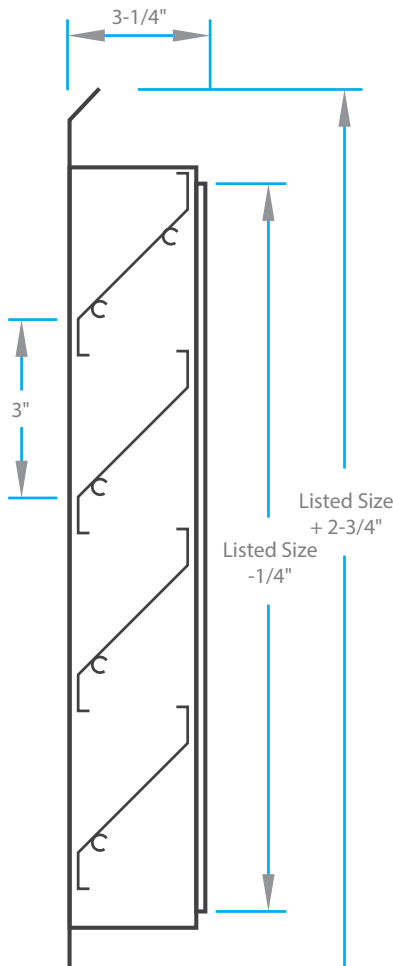
Also can be provided with suitable filters and bird screen

- Construction & Specs.

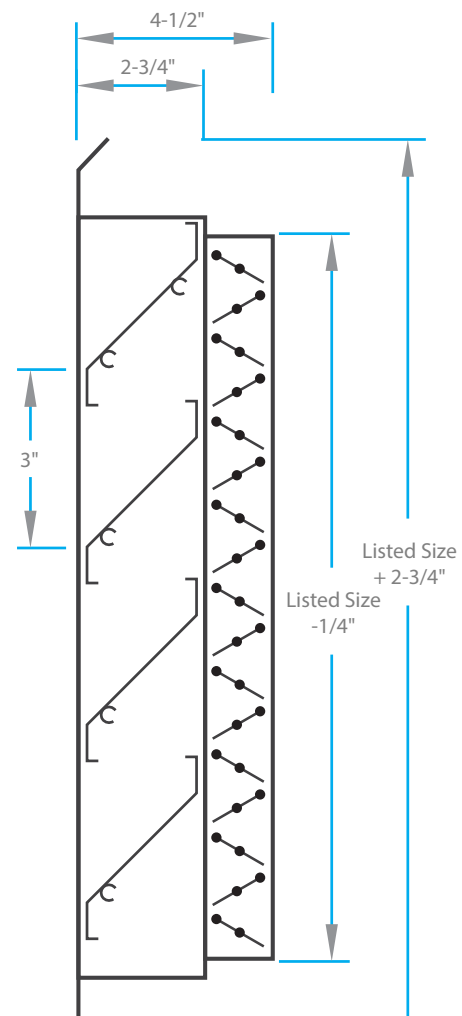
الهندسة للهوى الكربونية المتطورة

A- Type (AL-EL) - Exhaust Louvers

- Frame and blades are extruded aluminum alloy.
- The frame and blades have atypical wall thickness of 1/16".
- The blades are spaced 3" on center and are set at 45° to the horizontal.
- An expanded bird screen is attached to the interior face of the louver.



Fixed Blades with Bird Screen

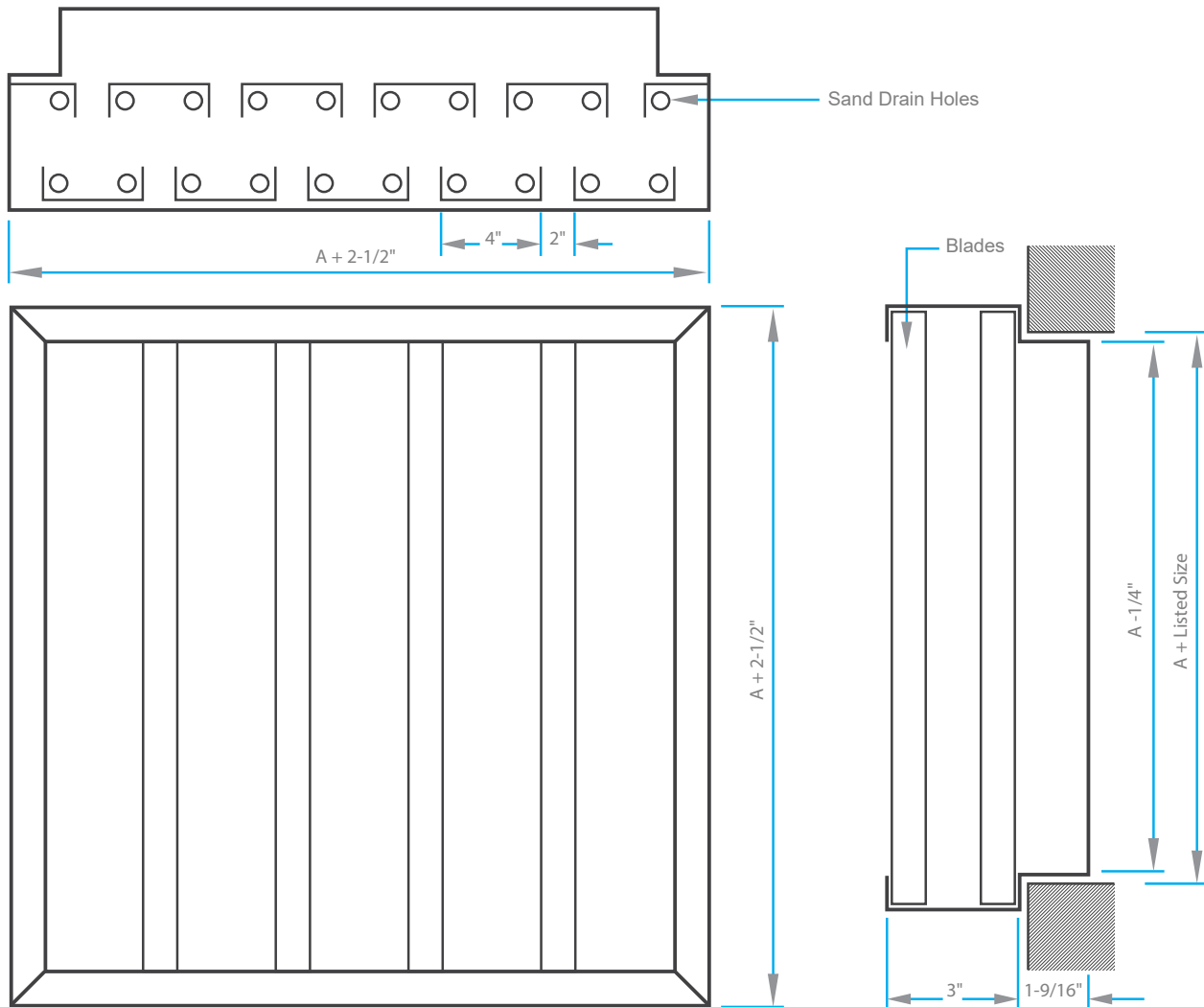


Fixed Blades with Bird Screen and
Volume Damper

الحنديّة للهوى الكمبرائية المتطورة

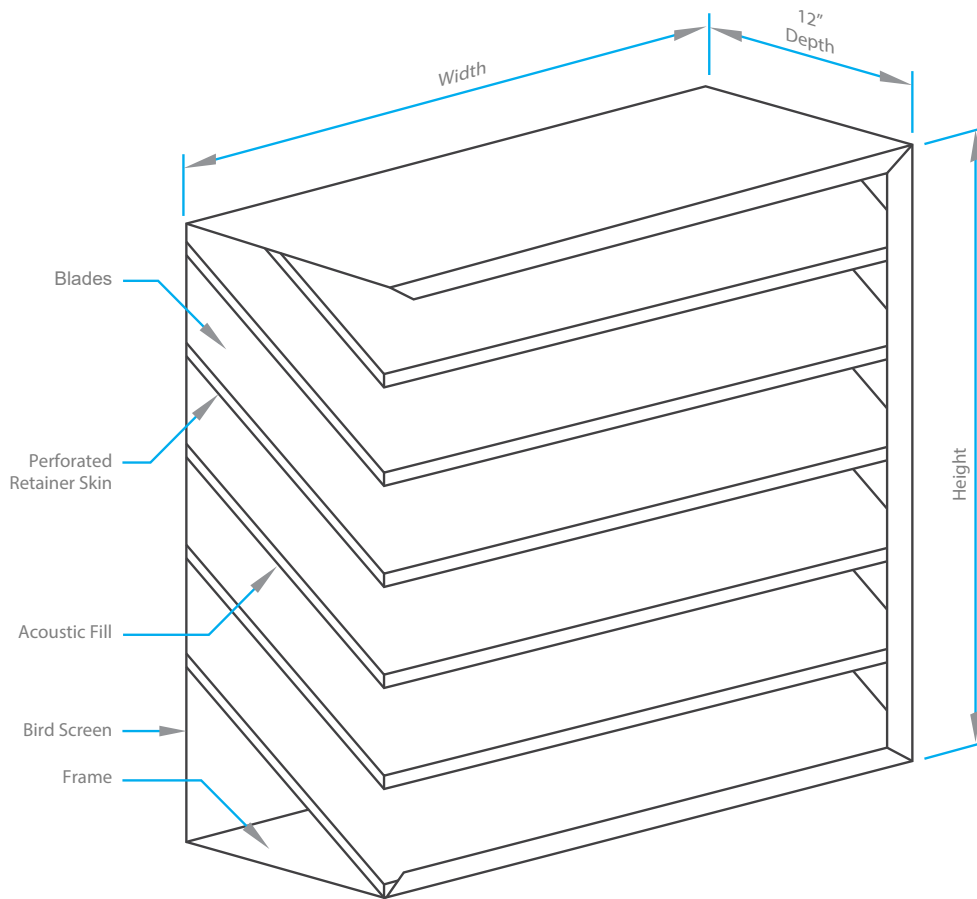
B- Type (AL-ST) – Sand Trap Louvers

- Frame and blades are extruded aluminum alloy.
- The frame and blades have atypical wall thickness of 1/16".
- Provided with self emptying sand drain holes from the base .



C. Type (AL-AC) – Acoustic Louvers

- Acoustic Louvers are designed for sound attenuation.
- The frame and blades have atypical wall thickness of 1/16".

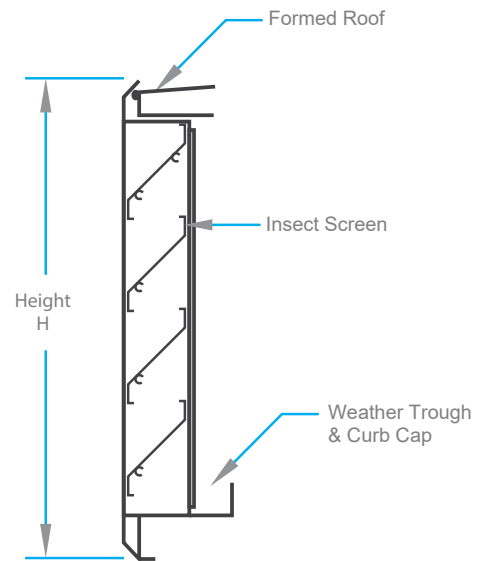
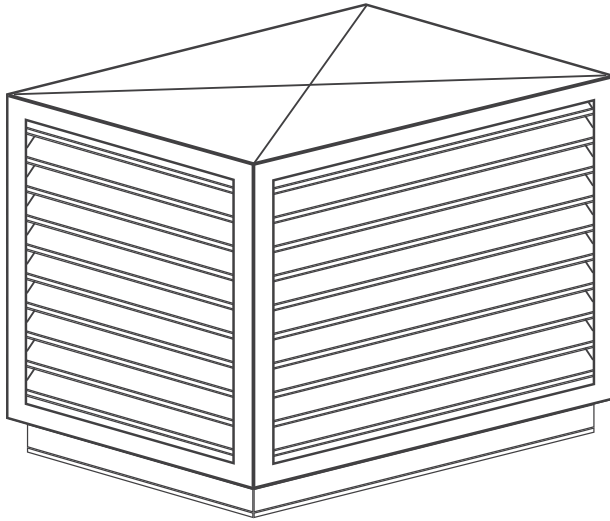


الهندسة للهوى الكهرومائية المتطورة

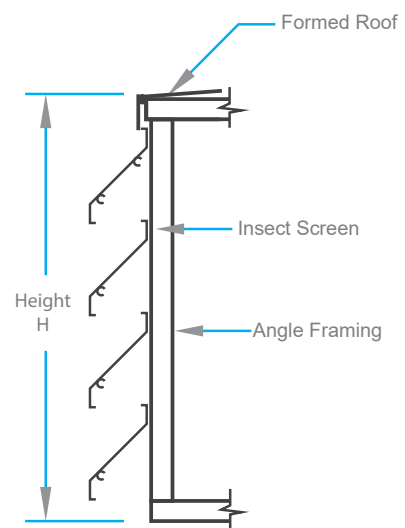
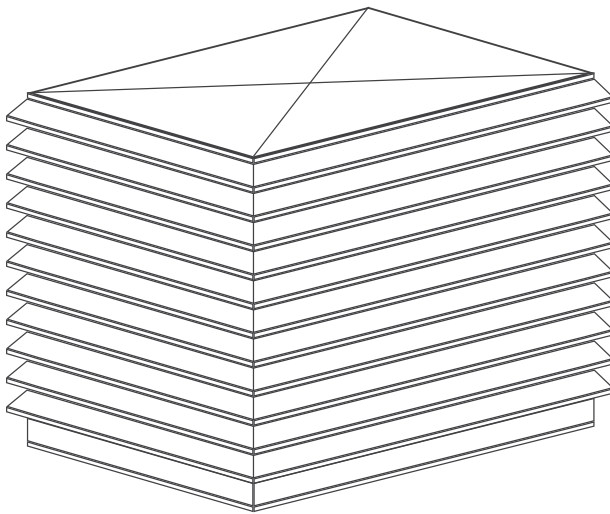
D. Type (AL-PH) – Penthouse Louvers

- Penthouse Louvers are designed for roof mounted units designed for air intake, pressure relief and exhaust applications.
- Frame and blades are extruded aluminum alloy.
- The frame and blades have atypical wall thickness of 1/16".
- The top of the unit is covered with hinged access door for easy access.

A. Mullion Corner



B. Mitered Corner



– Performance Data

الهندية القوي الكربونية المتطورة

A- Type (AL-EL) – Exhaust Louvers

Free Area “Ft²”

Height (Inch)	Width (Inch)												
	12	14	16	18	20	24	30	36	42	48	54	60	72
12	0.22	0.26	0.30	0.34	0.38	0.46	0.58	0.70	0.82	0.94	1.06	1.18	1.42
16	0.37	0.43	0.50	0.57	0.64	0.77	0.98	1.18	1.38	1.59	1.79	1.99	2.40
20	0.52	0.61	0.71	0.80	0.90	1.09	1.38	1.66	1.95	2.24	2.52	2.81	3.38
24	0.67	0.79	0.91	1.04	1.16	1.41	1.78	2.15	2.52	2.89	3.26	3.63	4.37
28	0.82	0.97	1.12	1.27	1.42	1.72	2.18	2.63	3.08	3.54	3.99	4.44	5.35
32	0.97	1.04	1.32	1.50	1.68	2.04	2.58	3.11	3.65	4.18	4.72	5.26	6.33
36	1.12	1.32	1.53	1.74	1.94	2.36	2.98	3.60	4.22	4.84	5.46	6.08	7.32
40	1.27	1.50	1.73	1.97	2.20	2.67	3.38	4.08	4.78	5.49	6.19	6.89	8.30
44	1.41	1.68	1.94	2.20	2.46	2.98	3.78	4.55	5.34	6.12	6.91	7.69	9.26
48	1.57	1.86	2.15	2.44	2.73	3.31	4.18	5.05	5.92	6.79	7.66	8.53	10.27
52	1.72	2.03	2.35	2.67	2.99	3.62	4.58	5.53	6.48	7.44	8.39	9.34	11.25
56	1.87	2.21	2.56	2.90	3.25	3.94	4.98	6.01	7.05	8.08	9.12	10.16	12.23
60	2.02	2.39	2.76	3.14	3.51	4.26	5.38	6.50	7.62	8.74	9.86	10.98	13.22

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الهندية القوي الكربونية المتطورة

B. Type (AL-ST) – Sand Trap Louvers

Free Area "Ft²"

Height (Inch)	Width (Inch)													
	12	18	24	30	36	42	48	54	60	66	72	78	84	90
12	0.31	0.47	0.64	0.79	0.96	1.12	1.28	1.44	1.60	1.77	1.93	2.00	2.25	2.41
18	0.47	0.72	0.96	1.21	1.45	1.70	1.94	2.19	2.43	2.68	2.92	3.17	3.41	3.66
24	0.64	0.96	1.29	1.62	1.95	2.78	2.60	2.93	3.26	3.59	3.92	4.24	4.57	4.90
30	0.79	1.21	1.62	2.03	2.44	2.85	3.27	3.68	4.09	4.50	4.91	5.32	5.73	6.15
36	0.96	1.45	1.95	2.44	2.94	3.43	3.93	4.42	4.92	5.41	5.91	6.40	6.89	7.39
42	1.04	1.57	2.11	2.65	3.19	3.72	4.26	4.79	5.33	5.87	6.40	6.94	7.47	8.01
48	1.20	1.82	2.44	3.06	3.68	4.30	4.92	5.54	6.16	6.78	7.40	8.02	8.64	9.26
54	1.36	2.06	2.77	3.47	4.17	4.87	5.58	6.28	6.98	7.69	8.35	9.10	9.80	10.50
60	1.52	2.31	3.09	3.88	4.67	5.45	6.24	7.03	7.81	8.60	9.39	10.17	10.96	11.75
66	1.69	2.55	3.42	4.29	5.16	6.03	6.90	7.77	8.64	9.51	10.38	11.25	12.12	13.00
72	1.85	2.80	3.75	4.71	5.66	6.61	7.57	8.52	9.47	10.42	11.38	12.33	13.28	14.23
78	2.01	3.04	4.08	5.12	6.15	7.19	8.23	9.26	10.30	11.33	12.37	13.41	14.44	15.48
84	2.17	3.29	4.41	5.53	6.65	7.77	8.89	10.01	11.13	12.25	13.37	14.49	15.61	16.72
90	2.33	3.53	4.74	5.69	7.14	8.35	9.55	10.75	11.96	13.16	14.36	15.56	16.77	17.97

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C. Type (AL-AC) – Acoustic Louvers**i. Pressure Drop**

Face Velocity "FPM"	100	150	200	250	300	350	400	450	500	550	600
Pressure Drop "In. W.G"	0.008	0.012	0.024	0.036	0.052	0.068	0.092	0.112	0.140	0.168	0.200

ii. Transmission Loss

Octave Band Number	1	2	3	4	5	6	7	8
Center Frequency "Hz"	63	125	250	500	1000	2000	4000	8000
Transmission Loss "dB"	5	5	7	12	18	21	16	16

D. Type (AL-PH) – Penthouse Louvers**i. Pressure Drop**

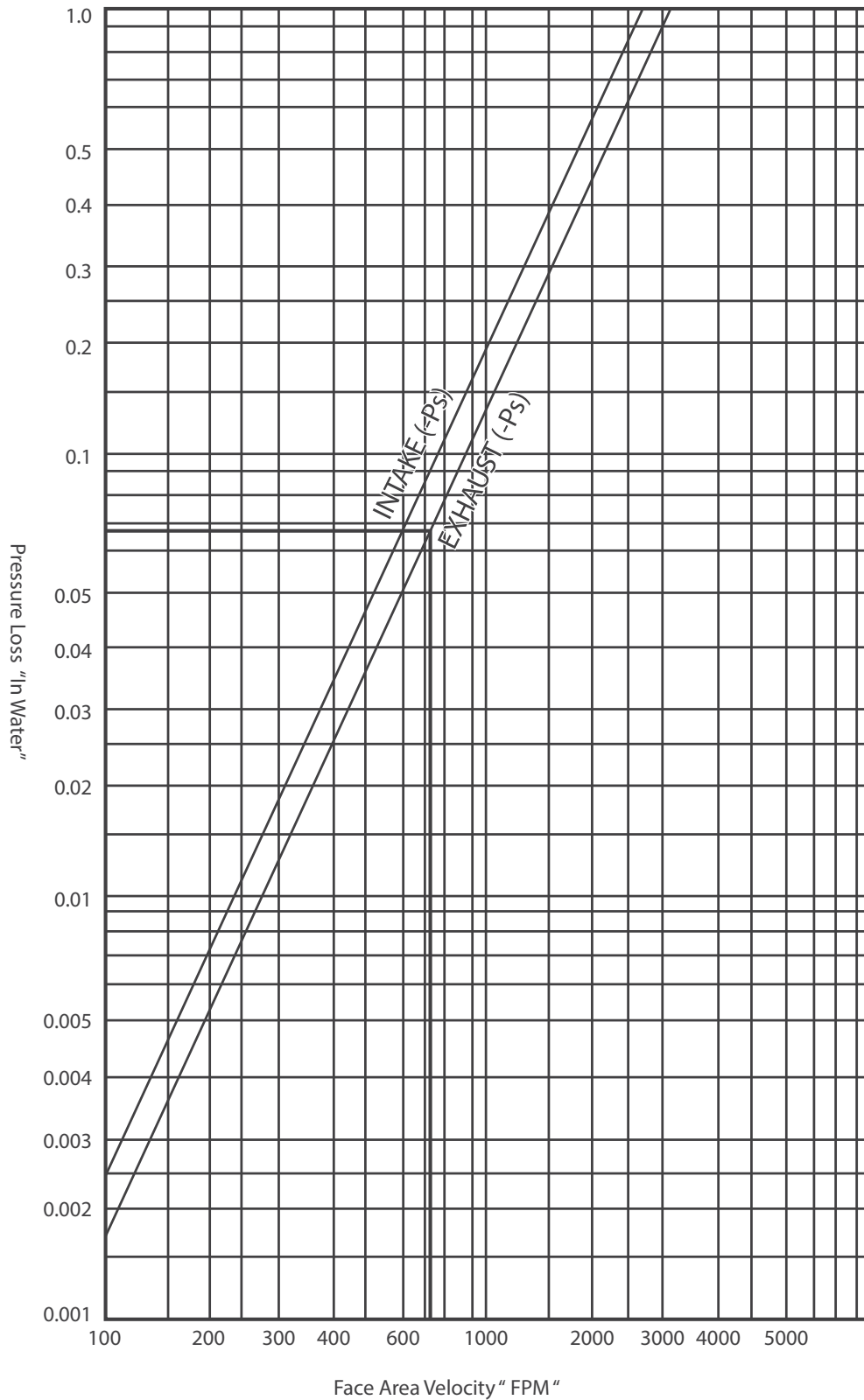
Face Velocity "FPM"		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Pressure Drop "In. W.G"	Intake	0.007	0.016	0.028	0.044	0.062	0.087	0.112	0.143	0.173	0.212	0.252	0.296	0.344	0.395
	Exhaust	0.007	0.018	0.031	0.049	0.069	0.096	0.124	0.158	0.192	0.235	0.279	0.328	0.381	0.436

- Aerodynamic Data

الهندسة للقوى الحرارية المتطورة

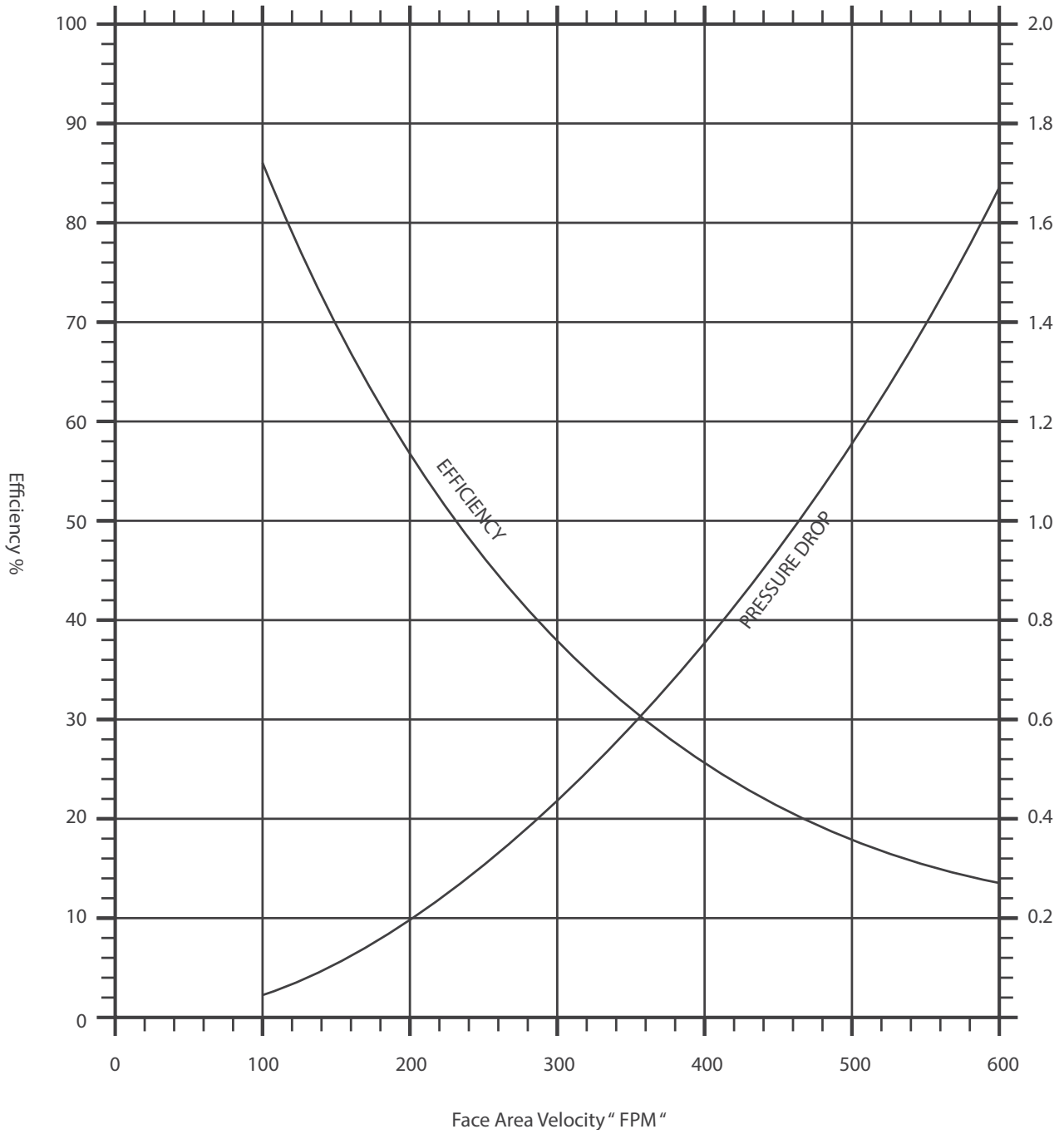
A- Type (AL-EL) - Exhaust Louvers

Pressure Drop



B. Type (AL-ST) – Sand Trap Louvers

Pressure Drop



– How to order

الهندية القوي الكربونية المتطورة

Type	AI-EI	AI-EI AI-ST AI-AC AI-PH	Exhaust Louver Sand Trap Louver Acoustic Louver Penthouse Louver
Size	24 X 24	Size Inch"	
Finish	1	0 Aluminum 1 White Color 2 Other Colors	
Damper	0	0 Without Damper 1 With Damper	

CANADA DUCT Ltd.

Diffusers & Grills

- Square Ceiling Diffuser
- Circular Ceiling Diffuser
- Jet Diffuser
- Eye Ball Diffuser
- Swirl Diffuser
- Perforated Ceiling Diffuser
- Aluminum Louver
- Linear Slot Diffuser
- Linear Bar Grill
- Supply / Return Grills

Louvers

- Aluminum Louvers
- Sand Trap Louvers

Dampers

- Volume Damper
- Fire Damper
- Smoke Motorized Damper
- Shutter Damper

Special Parts

- Sound Attenuator
- Plenum Box

Duct Works

- Galvanized Steel Duct
- Black Steel Duct
- Stainless Steel Duct
- Spiral Duct
- Flexible Duct
- Canvas
- Flanges

Other Products are provided by

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