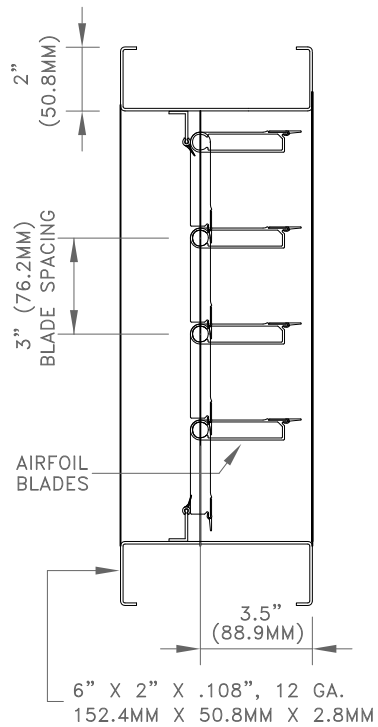
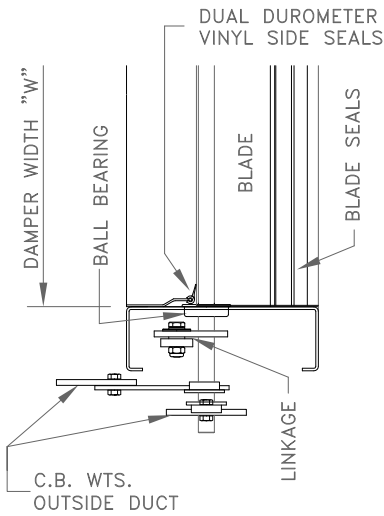
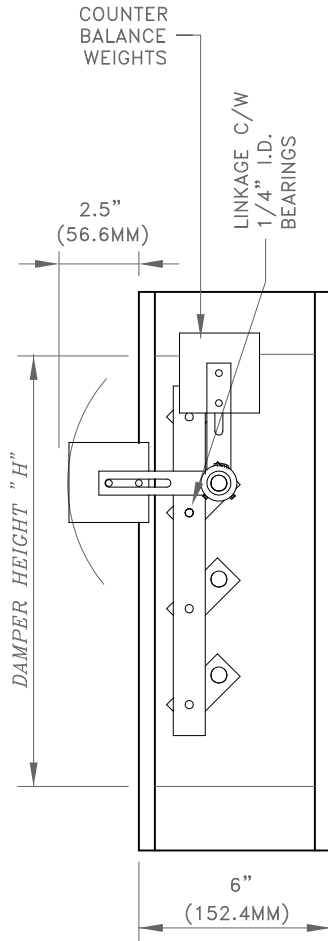


HORIZONTAL SECTION
(TOP VIEW)



VERTICAL SECTION



SIDE VIEW



INDUSTRIAL AIRFOIL
BACK DRAFT DAMPER
BD-6C3-AF

STANDARD SPECIFICATIONS

- CONST. - EXTRUDED AIRFOIL ALUMINUM BLADES IN GALVANIZED STEEL FRAME
- FRAME - 6" X 2" .081", 12GA (152.4MM X 50.8MM X 2.1MM) 12 GA. FORMED GALVANIZED STEEL CHANNEL, WELDS COATED WITH ZINC RICH PAINT
- BLADES - 0.063" (1.6MM) EXTRUDED AIRFOIL BLADES
- SEALS - DUAL DUROMETER VINYL BLADE TIPS AND SIDE SEALS, -40° F. TO +200° F.,
- SHAFTS - .5" (12.7MM) DIA. C.R. PLATED STEEL
- BEARINGS - .5" (12.7MM) BALL BEARINGS
- LINKAGE - PLATED STEEL CRANK ARMS C/W .25" (6.4MM) BALL BEARINGS AND CONNECTING FLAT BAR LINKAGE, OUT OF AIRSTREAM
- C.B. WTS. - AS DETERMINED BY FACTORY
- FINISH - MILL ALUMINUM AND GALVANIZED STEEL
- MINIMUM 8" W X 8" H (203.2MM X 203.2MM)
- SIZE - MAXIMUM 32" W X 60" H (812.8MM X 1524MM)

TECHNICAL NOTES

- MAX. RECOMMENDED VEL. - 6000 FPM
- MAXIMUM TEMPERATURE - 150° F.
- LEAKAGE - LESS THAN .6% AT 5" W.G.
- ADJUSTABLE TO NEAR ZERO STATIC
- SHIPPING WEIGHT - APPROX. 9 LBS/SQ. FT.

PLEASE NOTE: THIS PRODUCT IS BUILT BY DEFAULT TO INSIDE DIMENSIONS (I.D.)

IF DAMPER IS BEING MOUNTED IN A DUCT, SLEEVE OR OTHER OPENING, PLEASE SPECIFY GIVEN DIMENSIONS AS O.D.

NOTES

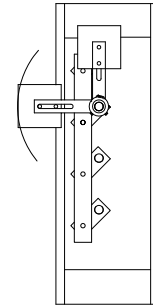
APPROVAL

DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

BD-6C3-AF1



INDUSTRIAL AIRFOIL BACK DRAFT DAMPER BDAF-6C3



BD-6C3-AF
(SIDE VIEW)

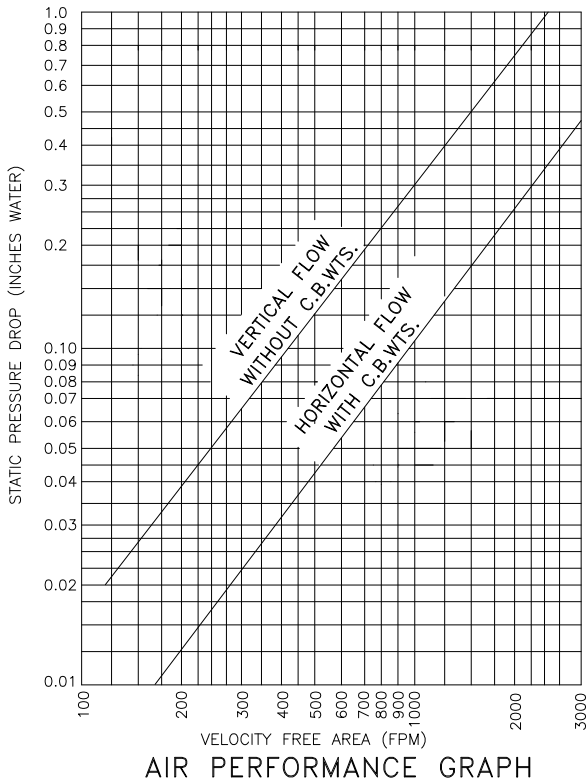


BD-6C3-AF
(SECTION)

TEST
CONDITIONS:
A 24" X 24"
DAMPER WAS
USED FOR
THE TEST
AT STANDARD
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND 15 MINUTES
TEST DURATION

FREE AREA TABLE (SQ. FT.) AT

HEIGHT (INCHES)	WIDTH (INCHES)						
	12	18	24	30	36	42	48
12	0.34	0.61	0.89	1.16	1.43	2.35	1.98
16	0.53	0.93	1.33	1.73	2.14	3.19	2.94
20	0.71	1.25	1.78	2.31	2.84	4.02	3.91
24	0.90	1.56	2.22	2.89	3.55	4.86	4.87
28	1.09	1.88	2.67	3.46	4.25	5.69	5.84
32	1.27	2.19	3.12	4.04	4.96	6.53	6.80
36	1.46	2.51	3.56	4.61	5.66	7.36	7.76
40	1.65	2.83	4.01	5.19	6.37	8.20	8.73
44	1.83	3.14	4.45	5.76	7.07	9.03	9.69
48	2.02	3.46	4.90	6.34	7.78	9.87	10.66
52	2.21	3.78	5.34	6.91	8.48	10.70	11.62
56	2.39	4.09	5.79	7.49	9.19	11.53	12.59
60	2.58	4.41	6.24	8.06	9.89	12.37	13.55
64	2.77	4.72	6.68	8.64	10.60	13.20	14.51
68	2.95	5.04	7.13	9.22	11.30	14.04	15.48
72	3.14	5.36	7.57	9.79	12.01	14.87	16.44



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