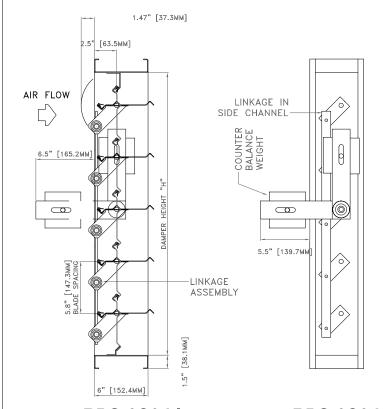


#### HORIZONTAL SECTION

(TOP VIEW)



BDS-6C6-LI

(SECTION)

**MUST NOT** BE REMOVED OR

MUST NOT BE PLACED IN, OR

2. BACKDRAFT DAMPER UNIT

TOO CLOSE TO WALL

BDS-6C6-LS

(SIDE VIEW)

westvent®

### INDUSTRIAL **BACK DRAFT DAMPER** BDS-6C6-LI & LS

#### STANDARD SPECIFICATIONS

CONST. - FORMED STEEL FRAME AND ALUMINUM

**BLADES** 

-6" X 1.5" X .079", 12 GA. (152.4MM X FRAME 38.1MM X 2.8MM) Ć-CHANNEL FORMED STEEL, BUTT CORNER, WELDED ASSEMBLY,

**BLADES** - 14 GA. FORMED ALUMINUM, OPENS TO 90°, 5.88" (149.4MM) BLADE SPACING

- DUAL DUROMETER BLADE TIP SEALS SEALS

SHAFTS -.5" (12.7MM) DIA. C.R. PLATED STEEL

BEARINGS -.5" (12.7MM) I.D. PRESSED IN PLATED

STEEL BALL BEARINGS

LINKAGE - STEEL INSIDE AIRSTREAM LI, OR OUTSIDE

AIRSTREAM LS

C.B. WTS. - 4" X 4" .5" (101.6MM X 101.6MM X

12.7MM) STEEL, INSTALLED AT FACTORY

**FINISH** 

- MINIMUM 12" X 12" (304.8MM X 304.8MM) MAXIMUM 48" X 72" (1219.2MM X SIZE

1828.8MM)

OPTIONS

CONST. - HEAVIER GAUGES

**FRAME** - AS REQUIRED

BLADES — AS REQUIRED BEARINGS — .5" (12.7MM) NYLON BUSHINGS

TECHNICAL NOTES

MAX. RECOMMENDED VEL. - 3000 F.P.M.

SHIPPING WEIGHT - APPROX. 6 LBS./SQ. FT.

INDUSTRIAL DAMPERS ARE MANUFACTURED TO INSIDE DIMENSIONS UNLESS OTHERWISE STATED

FOR MORE INFORMATION, CONTACT OUT FACTORY \*

APPROVAL

I7-929

### NOTES 1. COUNTER BALANCE WEIGHTS

- 3. THESE DAMPERS WILL NOT OPERATE EFFECTIVELY IF COUNTER BALANCE WEIGHTS ARE REMOVED
- 4. REMOVING COUNTER BALANCE WEIGHTS WILL VOID WARRANTY

DATE:

PROJECT:

**ENGINEER:** 

**RELOCATED** 

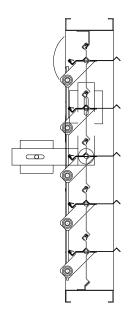
CUSTOMER:

DISTRIBUTOR:

WESTVENT" RESERVES THE RIGHT TO MAKE CHANGES TO IMPROVE OUR PRODUCTS WITHOUT NOTICE. SEPTEMBER 16, 2004"

# westvent®

## INDUSTRIAL STEEL BACK DRAFT DAMPER BDS-6C6-LI & LS



TEST CONDITIONS:

A 24" X 24"

DAMPER WAS

USED FOR

THE TEST

AT STANDARD

AND

OPERATING

TEMPERATURE

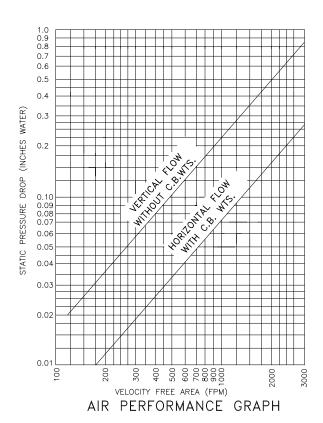
RANGE OF

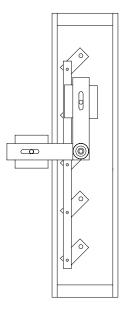
65°F — 85°F,

AND 15 MINUTES

TEST DURATION

WATER PENETRATION





BDS-6C6-LS

## FREE AREA TABLE (SQ. FT.) AT BLADES AT 45 DEGREE ANGLE

		WIDTH (INCHES)						
		12	18	24	30	36	42	48
HEIGHT (INCHES)	12	0.45	0.68	1.20	1.50	1.80	2.10	2.40
	16	0.60	0.90	1.60	2.00	2.40	2.80	3.20
	20	0.92	1.38	2.00	2.50	3.00	3.50	4.00
	24	1.10	1.65	2.40	3.00	3.60	4.20	4.80
	28	1.28	1.93	2.80	3.50	4.20	4.90	5.60
	32	1.47	2.20	3.20	4.33	5.20	6.07	6.93
	36	1.65	2.48	3.60	4.83	5.85	6.83	7.80
	40	1.83	2.75	4.00	5.42	6.50	7.53	8.67
	44	2.02	3.03	4.40	5.96	7.15	8.34	9.53
	48	2.20	3.30	4.80	6.50	7.80	9.10	10.40
	52	2.38	3.58	5.20	7.04	8.45	9.86	11.27
	56	2.57	3.85	5.60	7.58	9.10	10.62	12.13
	60	2.75	4.13	6.00	8.13	9.75	11.38	13.00
	64	2.93	4.40	6.40	8.67	10.40	12.13	13.87
	68	3.12	4.68	6.80	9.21	11.05	12.89	14.73
	72	3.30	4.95	7.20	9.75	11.70	13.65	15.60

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