



**INDUSTRIAL INSULATED  
ALUMINUM PARALLEL  
BLADE DAMPER  
PBX-6C6-IN**

STANDARD SPECIFICATIONS

- CONST. - EXTRUDED ALUMINUM, WELDED FRAME, MITRED CORNERS. GUSSETS, MULLIONS & SPREADER BARS ON ALL SECTIONS 48" (1219.2MM) AND LARGER
- FRAME - 6" X 1" X .081 (152.4MMX25.4MMX2.1MM) EXTRUDED ALUMINUM
- BLADES - 6" X .625" X .08", 12 GAUGE (152.4MM X 15.9MM X 2.1MM) ALUMINUM AIRFOIL INSUL. R 2.5
- SEALS - SANTOPRENE BULB TYPE IN BLADE TIP  
-50° F. TO +250° F., S.S SIDE SEALS
- SHAFTS - .5" (12.7MM) DIA. C.R. PLATED STEEL
- BEARINGS - .5" (12.7MM) BALL BEARING
- LINKAGE - .25" X 1" (6.35MM X 25.4MM) PLATED STEEL UNEQUAL SIDE CHANNEL
- DRIVE SHAFT - .5" X 10" (12.7MM X 254MM) C.R. PLATED STEEL
- FINISH - MILL ALUMINUM
- SIZE - MINIMUM 8" W X 8" H (203.2MM X 203.2MM)  
- MAXIMUM 48" W X 96" H (1219.2MM X 2438.4MM)

TECHNICAL NOTES

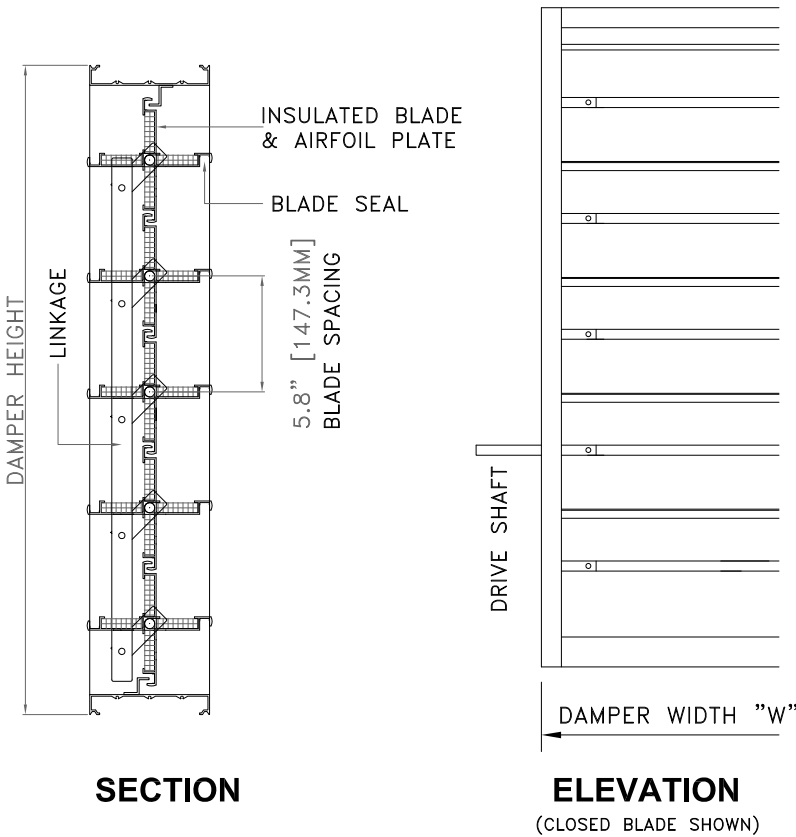
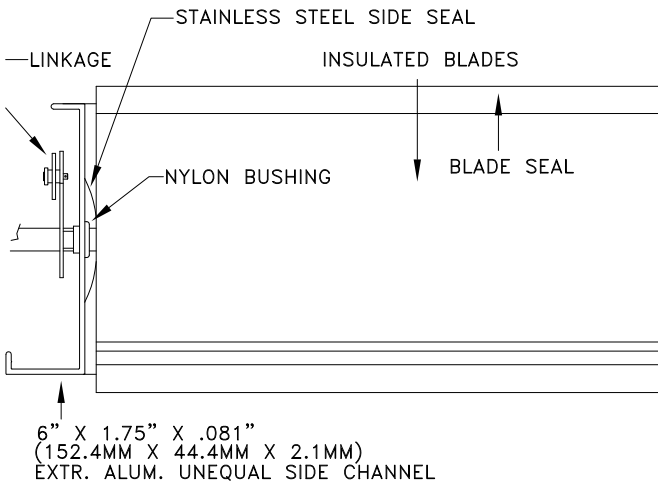
- MAX. RECOMMENDED VEL. - 3000 FPM
- MAXIMUM TEMPERATURE - 250 DEG. FAHRENHEIT
- LEAKAGE - LESS THAN 1% AT 4" W.G.
- SHIPPING WEIGHT - APPROX. 6 LB/SQ. FT.
- LARGER SIZES - MULTIPLE SECTIONS WILL BE PROVIDED FOR RE-ASSEMBLY BY OTHERS

DAMPER IS MANUFACTURED .25" (6MM) SMALLER THAN ORDERED SIZE UNLESS EXACT DIMENSIONS ARE STATED

DAMPER IS AVAILABLE IN OPPOSED BLADE ORIENTATION

\* FOR MORE INFORMATION, CONTACT OUR FACTORY \*

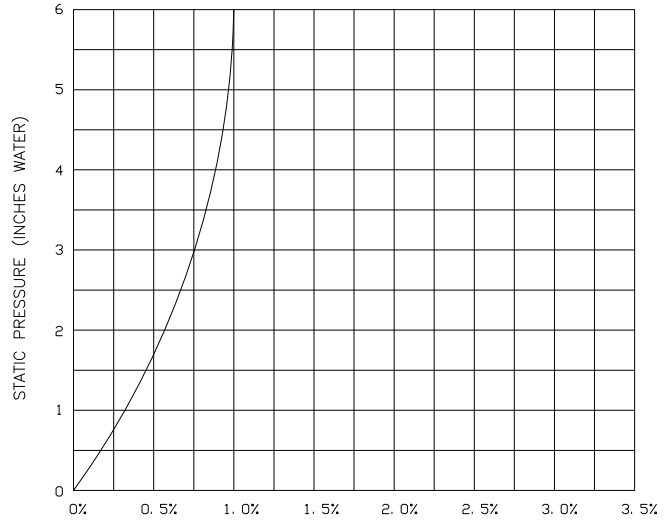
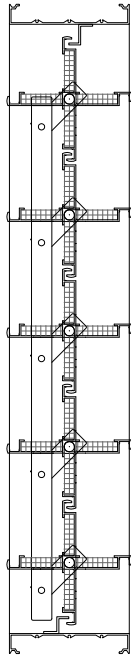
**HORIZONTAL SECTION**



**NOTES**

**APPROVAL**

DATE:  
PROJECT:  
ENGINEER:  
CUSTOMER:  
DISTRIBUTOR:



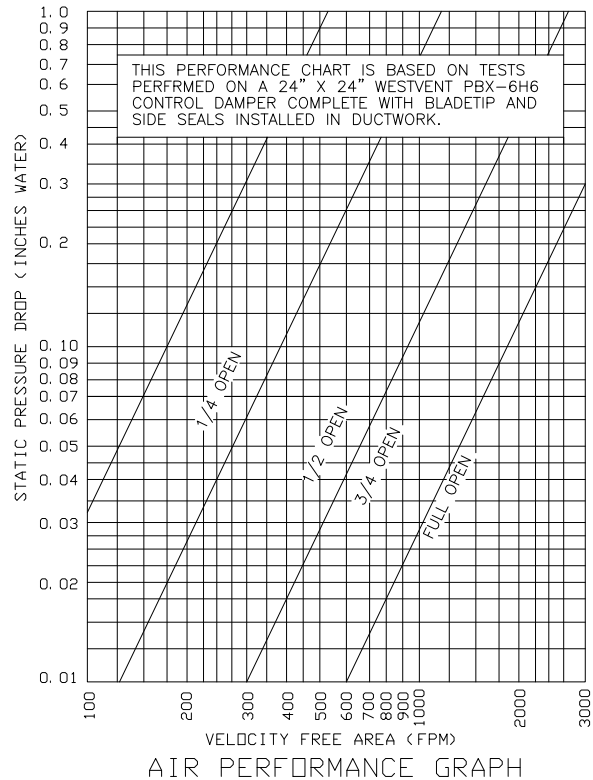
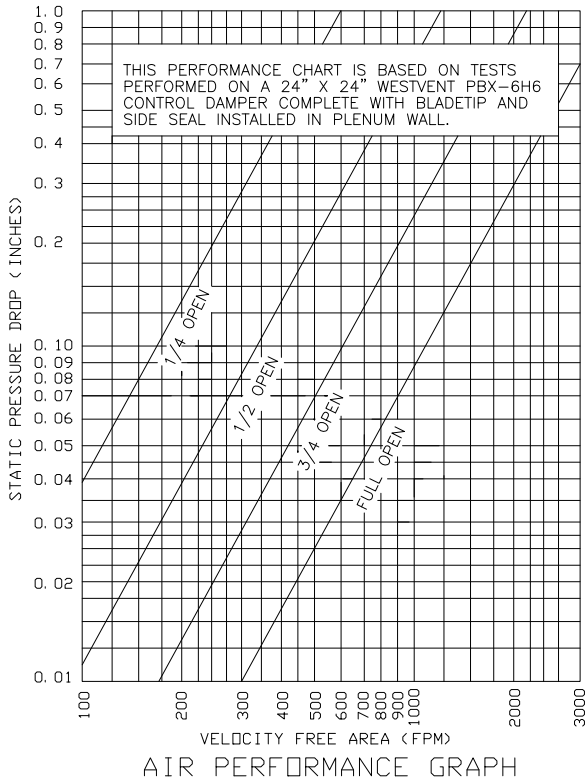
LEAKAGE \_\_\_\_ % MAXIMUM FLOW  
BASED ON 7 IN. LB./SQ. FT.  
AIR LEAKAGE CHART

**TORQUE REQUIREMENT CHART: INCH - LBS./SQ. FT.**

| 1000 F.P.M.<br>@ 2" W.G. | 1000 - 2000 F.P.M.<br>@ 3" W.G. (X 1.5) | 2000 - 3000 F.P.M.<br>@ 4" W.G. (X 2.0) |
|--------------------------|---|---|
| 7 IN. LBS./SQ. FT.       | 10.5 IN. LBS./SQ. FT.                   | 14 IN. LBS./SQ. FT.                     |

**MAXIMUM SYSTEM PRESSURE**

| 12" WIDE<br>6" SP W.G. | 24" WIDE<br>6" SP W.G. | 36" WIDE<br>5" SP W.G. | 48" WIDE<br>4" SP W.G. |
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