



ALUMINUM INSULATED DAMPER INX SERIES

STANDARD SPECIFICATIONS

- CONST. - 6063-T5 EXTRUDED ALUMINUM - INSULATED
- BLADES - 6" X 1.16" X .076" (152.4MM X 29.5MM X 1.9MM)
EXTRUDED ALUMINUM BLADE WITH EXPANDED
POLYURETHANE FAME AND THERMALLY BROKEN.
(BLADE WILL HAVE AN INSULATING VALUE OF R 2.29)
- SEALS - SANTOPRENE BULB TYPE BLADE SEAL, -50°F TO
TO +200 DEG. F., 2.7" (68.6MM) S.S. SIDE SEALS
- SHAFTS - .5" (12.7MM) DIA. C.R. PLATED STEEL
- BEARINGS - .5" (12.7MM) DELRIN BUSHINGS
- DRIVE
SHAFT - .5" (12.7MM) DIA. C.R. PLATED STEEL EXTENDING 6"
(152.4MM) OUT OF FRAME
- FINISH - MILL ALUMINUM
- SIZE - MIN. 10" W X 10" H (254MM X 254MM)
MAX. 48" W X 72" H (1219.2MM X 1828.8MM)

CONSTRUCTION OPTIONS

- BEARINGS - BALL BEARINGS, OILITE BUSHINGS,
NYLON BUSHINGS
- JACK
- SHAFTS - SEE SIZING CHARTS
- CONTROL - MANUAL, JACK SHAFTS, MOTORIZED, ETC.
- FINISH - POWDER COATING (HARDWARE AND SEALS
WILL NOT BE PAINTED)

TECHNICAL NOTES

- MAX. RECOMMENDED VEL. - 4000 FPM
- MAX. SYSTEM PRESSURE - SEE CHART
- LEAKAGE - SEE PERFORMANCE CHART
- SHIPPING WEIGHT - APPROX. 6 LB/SQ. FT.
- LARGER SIZES - MULTIPLE SECTIONS WILL BE PROVIDED
FOR RE-ASSEMBLY BY OTHERS

DAMPER IS MANUFACTURED .25" (6.4MM) SMALLER THAN ORDERED
SIZE UNLESS EXACT DIMENSIONS ARE STATED

* FOR MORE INFORMATION, CONTACT OUR FACTORY *

OPTIONS

FRAME:

- INX-6C6-__EC - 6" X 1" X .081 (152.4MM X 25.4MM X 2.1MM)
THERMALLY BROKEN WITH POLYURETHANE EXTRUSION
WELDED BUTT CORNERS, MULLIONS AND SPREADER
BARS ON ALL SECTIONS 48" (1219.2MM) AND
LARGER
- INX-6C6-__ - 6" X 1" X .081 (152.4MM X 25.4MM X 2.1MM) EXTRUSION
WELDED BUTT CORNERS, MULLIONS AND SPREADER
BARS ON ALL SECTIONS 48" (1219.2MM) AND
LARGER
- INX-4C6-__EC - 4" X 1" X .081 (152.4MM X 25.4MM X 2.1MM)
THERMALLY BROKEN WITH POLYURETHANE EXTRUSION
WELDED BUTT CORNERS, MULLIONS AND SPREADER
BARS ON ALL SECTIONS 48" (1219.2MM) AND
LARGER
- INX-4C6-__ - 4" X 1" X .081 (152.4MM X 25.4MM X 2.1MM) EXTRUSION
WELDED BUTT CORNERS, MULLIONS AND SPREADER
BARS ON ALL SECTIONS 48" (1219.2MM) AND
LARGER

LINKAGE:

- INX-__-LS__ - .25" X 1" (6.35MM X 25.4MM) PLATED STEEL IN
UNEQUAL SIDE CHANNEL
- INX-__-LI__ - INSIDE AIRSTREAM, ROD TRAVEL 5.25" (133.4MM)



NOTES

APPROVAL

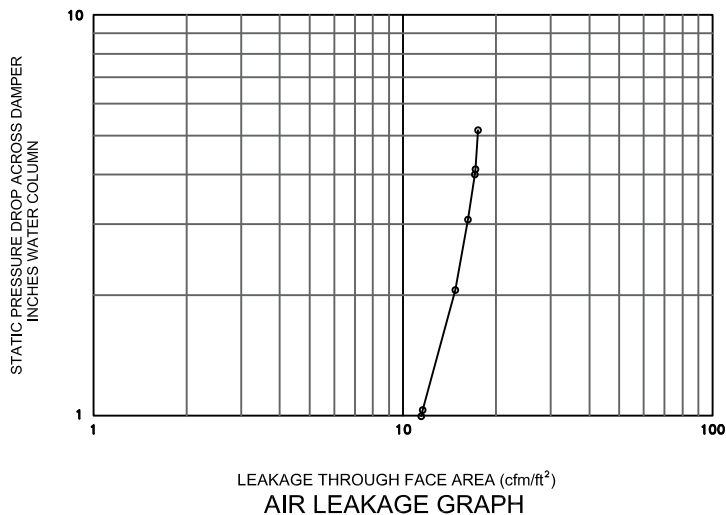
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PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

INX SERIES



ALUMINUM INSULATED DAMPER INX SERIES

AMCA Figure 5.4



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

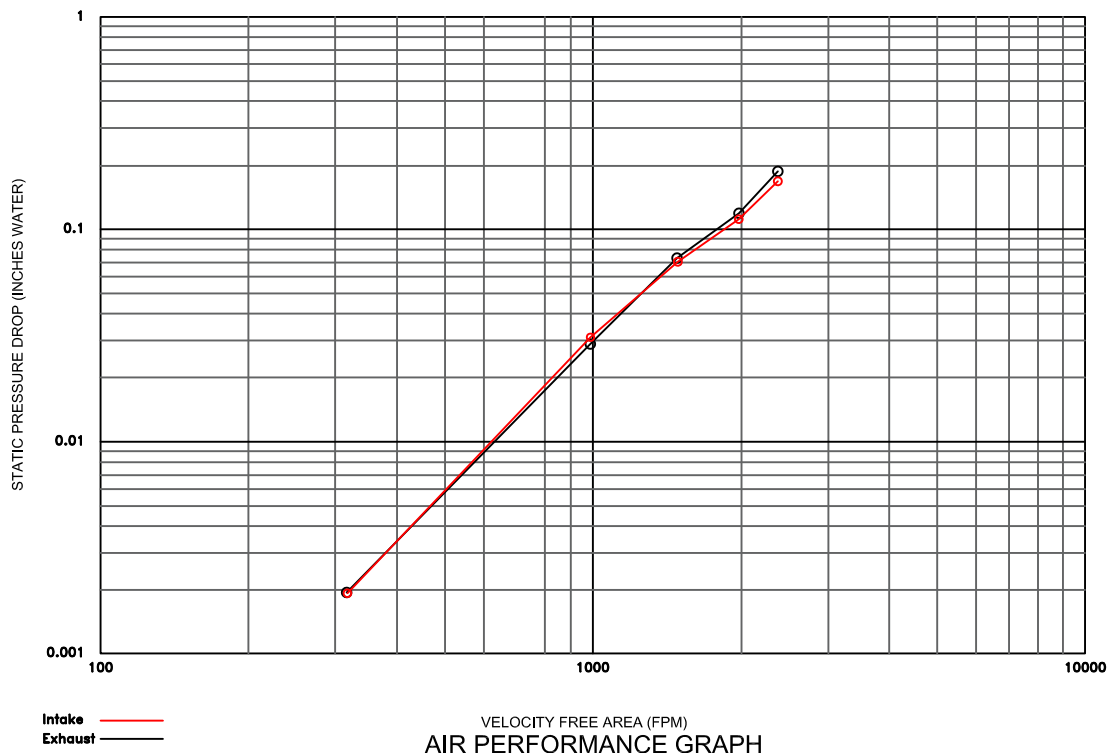
1000 F.P.M. @ 2" W.G.	1000 - 2000 F.P.M. @ 3" W.G. (X 1.5)	2000 - 3000 F.P.M. @ 4" W.G. (X 2.0)
OPPOSED BLADE 5 IN. LBS./SQ. FT.	OPPOSED BLADE 7.5 IN. LBS./SQ. FT.	OPPOSED BLADE 10 IN. LBS./SQ. FT.
PARALLEL BLADE 7 IN. LBS./SQ. FT.	PARALLEL BLADE 10.5 IN. LBS./SQ. FT.	PARALLEL BLADE 14 IN. LBS./SQ. FT.

MAXIMUM SYSTEM PRESSURE

12" WIDE 10" SP W.G.	24" WIDE 9" SP W.G.	36" WIDE 8" SP W.G.	48" WIDE 6" SP W.G.
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CLASS	LEAKAGE ft ³ /min/ft ² (L/s/m ²)			
	1" (0.25 kPa)	4" (1.0 kPa)	8" (2.0 kPa)	12" (3.0 kPa)
1A	3 (15.2)	N/A	N/A	N/A
1	4 (20.3)	8 (40.6)	11 (55.9)	14 (71.1)
2	10 (50.8)	20 (102)	28 (142)	35 (178)
3	40 (203)	80 (406)	112 (569)	140 (711)

AMCA Figure 5.3



Western Ventilation Product LTD. certifies that the INX Series is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air leakage and air performance ratings.

Performance and Air Leakage Graphs are tested to AMCA Standard 500-D based on a 36" x 36" single-section damper.