EXTRUDED ALUMINUM, 4" DEEP, COMBINATION ADJUSTABLE AND STATIONARY TYPE BLADE

MODEL AC-45C
STANDARD SPECIFICATION

FRAME: 4" DEEP CHANNEL .081 THICK 6063-T5 ALUMINUM ALLOY
BLADES: .081" THICK 6063-T5 ALUMINUM ALLOY
AXLES: FULL BLADE ALUMINUM EXTRUSION
LINKAGE: PLATED STEEL BRACKETS, BRASS BARRELS, 5/16 DIA. PLATED STEEL LINKAGE ROD
SEALS: VINYL ON BLADE.
SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON EXTERIOR.
ACTUATOR: INDIVIDUAL PANEL WINGNUT, SEE ACTUATOR BULLETIN FOR OTHER SELECTIONS.
FINISH: MILL
MAX. PANEL SIZE: 60 x 96
MIN. PANEL SIZE: 12 x 13
DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZED

SECTION VIEW (BLADES CLOSED)  SECTION VIEW (BLADES OPEN)

FLANGED FRAME OPTIONAL (JAMB SHOWN)

STANDARD HORIZONTAL MULLION

STANDARD VERTICAL MULLION

EXTENDED SILL OPTIONAL

AMCA CERTIFIED RATINGS
L&D certifies that the model AC-45C louver shown herein 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 performance ratings and water penetration ratings.

L&D
LOUVERS & DAMPERS
A MESTEK COMPANY
7435 INDUSTRIAL ROAD FLORENCE, KY
Phone (859) 647-2299 Fax (859) 647-7810

AC-45C COMBINATION LOUVER

DRN. BY: JVC  DWG. NO. AC-45C  REV.
DATE 5-08-03
Water Penetration: 0.01 oz. (3.0) at 1182 fpm (6.00 m/s) recommended free area velocity
Pressure drop: 0.14 in wg. (36.5 Pa) at 1182 fpm (6.00 m/s) and 7411 SCFM (3.54 scm/s)
Free Area: 6.27 sq ft (0.582 sqm) = 39.2% for 48" x 48" (1.22m x 1.22m) test size

VELOCITY THROUGH FREE AREA FPM (m/s)
standard air - 0.075 lb/ft³
ratings do not include the effect of a wire bird screen

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LEAKAGE:
We have shown two leakage values for the louver sizes below. The upper values with blade seals, and lower values are with optional blade and jamb seals. Values were derived from tests performed in accordance with AMCA 500. Values are in total (CFM) at 1/2 inch water gauge differential pressure.

TOTAL LEAKAGE IN SCFM @ 0.5 in. wgD
CLOSING TORQUE IN inch/pounds

OPERATING FORCE FACTOR:
Lowers are normally operated by applying force to the blade to blade linkage whereas dampers are driven through the blade axes. Because of this fact, simple operating torque cannot be published. The factors shown are to be used with the data shown in our louver actuator selection guide in our louver actuator price list.

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