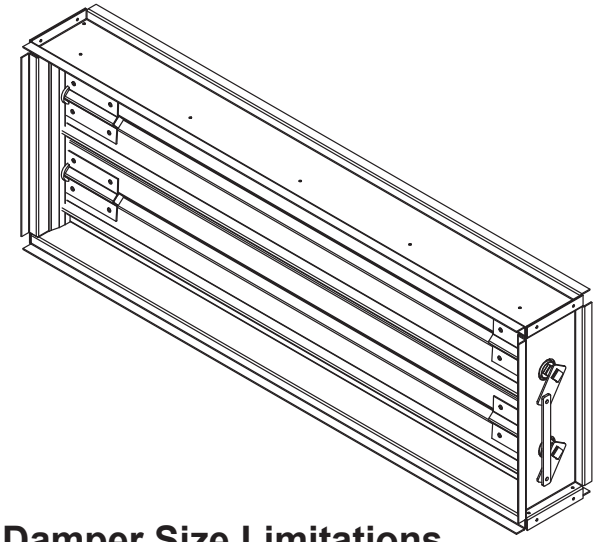
# ECDP DAMPER

## Application

The ECDP is a low leak damper for the commercial HVAC industry.
ECDP is typically used in an economizer application, and complies with California's Title 24, IECC and ASHRAE 90.1 damper leakage requirements.

The damper's leakage is less than 3 cfm/sq. ft. at 1in. wg.
AMCA licensed as a Class 1A damper at 1 in.wg.
Reference leakage Class section below.



## Features

The ECDP dampers are constructed of galvanized steel, with a single blade operation.
Blades are driven with metal shafts supported by bushings and gaskets to prevent air leakage.
End of damper blades include bulb seal to ensure minimal air leakage.

## Leakage Data

Tested for leakage in accordance with AMCA Standard 500-D, Figure 5.4A.
Air leakage is based on operation between 32°F - 120°F (0°C - 49°C)
Data is based on torque of 62 in. lb/ft^2 (7.01 N*m) applied to close and seat the damper during the test.

## Damper Size Limitations

| W X H | Minimum Size | Maximum Size |
|---|---|---|
| Inches | 12 X 7 | 34 X 12 |
| mm | 254 X 177.8 | 863.6 X 304.8 |

| ECDP | Leakage Class* | | | |
|---|---|---|---|---|
| | 1 in. wg | 2 in. wg | 3 in. wg | 4 in. wg |
| | 1A | 1 | 1 | 1 |

*Most HVAC economizer applications static pressure are under 1in. wg

| Max Allowable Leakage cfm/ft^2 (Leakage Class Definitions) | | |
|---|---|---|
| Class | at 1 in. wg | at 4 in. wg |
| 1A | 3 | N/A |
| 1 | 4 | 8 |
| 2 | 10 | 20 |
| 3 | 40 | 80 |

amca WORLDWIDE CERTIFIED RATINGS — AIR LEAKAGE — AIR PERFORMANCE
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.
amca INTERNATIONAL www.amca.org

CDI certifies that the model ECDP 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 requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to Air Leakage and Air Performance ratings.

| APPROVALS | DATE |
|---|---|
| DRAWN: rbroderick | 8/18/2026 |
| CHECKED: | |

DIMENSIONS ARE AS FOLLOWS: 1.00 in [25.40 mm]

TITLE/FILE NAME: ECDP DAMPER AUGUST 12 2026

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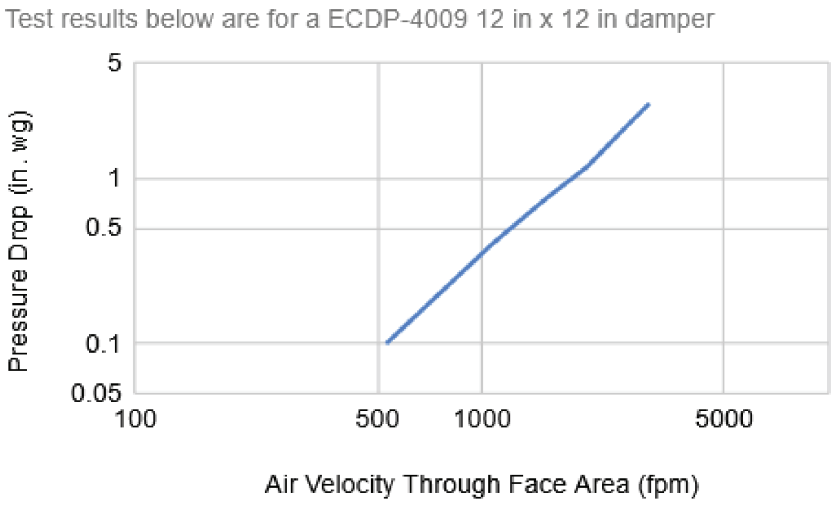
REV: A

# ECDP DAMPER

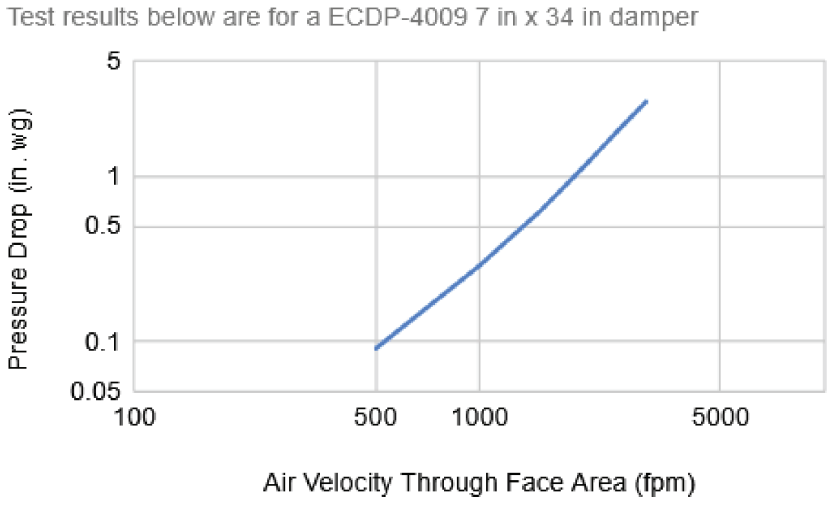
## Pressure Drop Data

Pressure drop tests were conducted in accordance with AMCA Standard 500-D, Figure 5.5

**Test results below are for a ECDP 12 in x 12 in damper**




**Test results below are for a ECDP 7 in X 34 in damper**

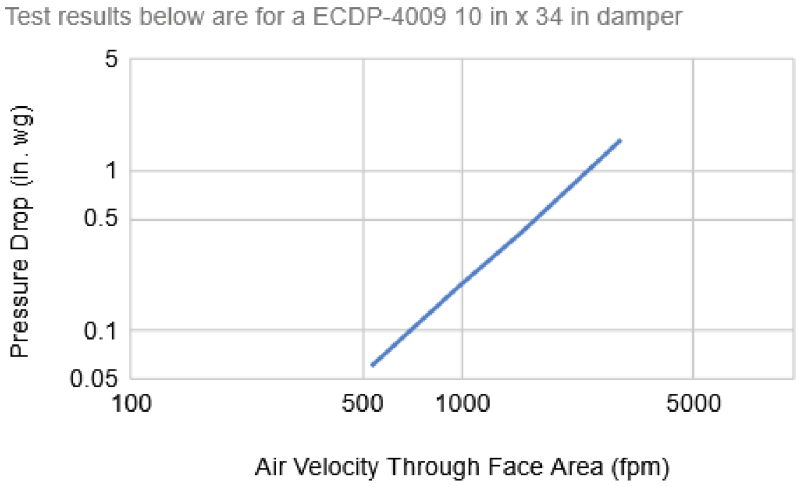


# ECDP DAMPER

## Pressure Drop Data

Pressure drop tests were conducted in accordance with AMCA Standard 500-D, Figure 5.5

**Test results below are for a ECDP 10 in X 34 in damper**




**Test results below are for a ECDP 12 in X 34 in damper**

