

# 8410 SERIES MIXING BOXES "THE VERSA-AIRE"

## FEATURES

- FOR SINGLE OR 2 SPEED INDOOR FAN UNITS, OTHER CONTROL OPTIONS ARE AVAILABLE
- FULLY CONFIGURABLE DAMPERS, ANY LOCATION CAN BE OUTSIDE AIR OR RETURN AIR
- FULL INTERNAL INSULATION
- FACTORY INSTALLED HONEYWELL JADE W7220 ECONOMIZER CONTROL SYSTEM, CERTIFIED FDD PRODUCT CALIFORNIA TITLE 24, PART 6 HJW10
- LINKAGE IS SHAKE PROOF SWEDGELOCK PLATED STEEL ASSEMBLY CONCEALED OUT OF AIRSTREAM
- EXCLUSIVE ONE PIECE AERODYNAMIC DUAL SKIN AIRFOIL BLADES ARE SUITABLE FOR MEDIUM AND HIGH PRESSURE VELOCITY APPLICATIONS
- FACTORY MOUNTED CONTROLS



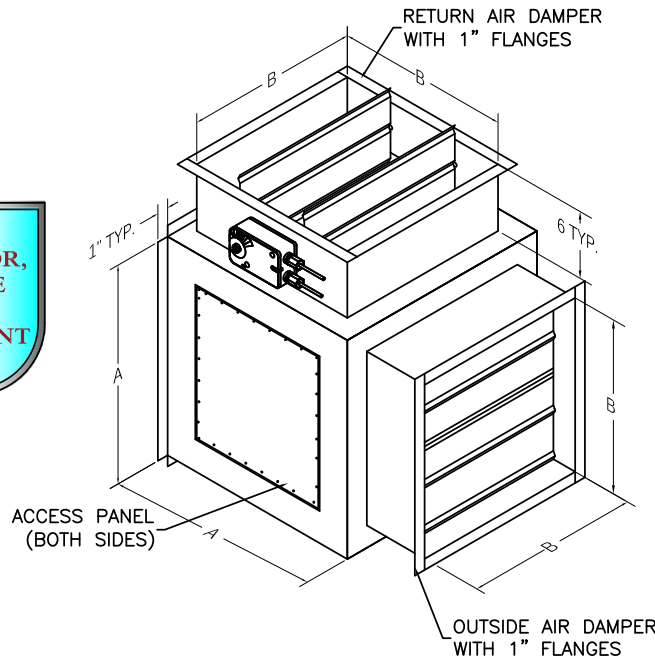
**AMCA RATED CLASS 1A  
LEAKAGE RATED HIGH  
PERFORMANCE DAMPER  
ONE-PIECE AIRFOIL BLADE  
FOR LOW PRESSURE DROP**

ECONOMIZERS MEET TITLE 24, 2013 PRESCRIPTIVE SECTION 140.4(E) 4(E) (A,B,C,AND,H), D,E,F, AND G WHEN SUPPLIED WITH CONTROLS, AND ASHRAE STANDARD 90.1-2010, TABLE 6.4.3.4.4 REQUIREMENTS. 5 YEAR PARTS AND COMPONENTS WARRANTY. DAMPER LIFE CYCLE TESTING AND LEAKAGE, RELIEF, SENSOR SET POINT, RELIABILITY, CALIBRATION, AND HIGH LIMIT.



ECONOMIZERS MEET TITLE 24, 2013, MANDATORY SECTION 120.2 ECONOMIZER FAULT AND DETECTION DIAGNOSTIC REQUIREMENTS, WHEN SUPPLIED WITH CONTROLS.

ECONOMIZERS MEET 2012 WASHINGTON STATE ENERGY CODE, COMMERCIAL, SECTION C402.4.5.2 OUTDOOR AIR INTAKES AND EXHAUSTS. OUTSIDE AIR, RETURN AIR AND, EXHAUST/RELIEF DAMPER (MOTORIZED AND 4 CFM/SQFT @ 1" STATIC OR LESS LEAKAGE)

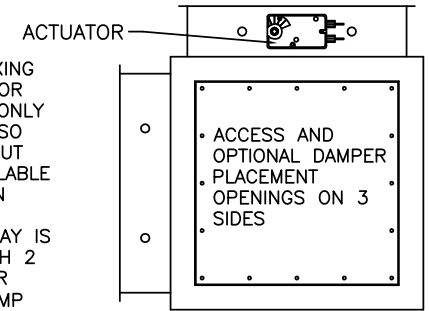


## NOTES:

1. RELIEF DAMPER IS NOT SUPPLIED STANDARD BUT IS REQUIRED FOR CA, TITLE 24. THIS CAN BE FIELD SUPPLIED AND INSTALLED, OR AS AN OPTION
2. MOTORIZED, LOW LEAK (4CFM) RELIEF DAMPER IS NOT SUPPLIED STANDARD, BUT IS REQUIRED IF RELIEF IS REQUESTED IN WA JURISDICTION, FOR WASHINGTON ENERGY CODE THIS CAN BE FIELD SUPPLIED, AND INSTALLED, OR AS AN OPTION

## NOTE:

1. STANDARD MIXING BOXES ARE FOR INDOOR USE ONLY AND ARE ALSO GALVANIZED BUT PAINT IS AVAILABLE AS AN OPTION
2. OPTIONAL RELAY IS REQUIRED WITH 2 SPEED INDOOR FAN/HEAT PUMP



SIDE VIEW

### CONTROL OPTIONS

<input type="checkbox"/>	CDE	HONEYWELL COMMUNICATING ACTUATOR W/ DRY BULB CONTROLS
<input type="checkbox"/>	CEE	HONEYWELL COMMUNICATING ACTUATOR W/ ENTHALPY CONTROLS
<input type="checkbox"/>	CBE	HONEYWELL COMMUNICATING ACTUATOR W/ DIFFERENTIAL ADJUSTABLE DRY BULB CONTROLS
<input type="checkbox"/>	CCE	HONEYWELL COMMUNICATING ACTUATOR W/ DIFFERENTIAL ENTHALPY CONTROLS
<input type="checkbox"/>	CNN	HONEYWELL COMMUNICATING ACTUATOR W/ FEEDBACK NON COMMUNICATING

### 8410 SERIES "VERSA AIRE" DAMPER PERFORMANCE DATA CHART

MODEL	DAMPER SIZE	CFM	VELOCITY	PD	CFM	VELOCITY	PD	CFM	VELOCITY	PD	CFM	VELOCITY	PD	WEIGHT
8410-MB01	12X12	800	800 FPM	0.01	1200	1200 FPM	0.02	1600	1600 FPM	0.04	2000	2000 FPM	0.06	38 LBS.
8410-MB02	15X15	800	513 FPM	0.01	1200	769 FPM	0.01	1600	1026 FPM	0.01	2000	1282 FPM	0.02	58 LBS.
8410-MB03	18X18	800	356 FPM	0.01	1200	533 FPM	0.01	1600	711 FPM	0.01	2000	889 FPM	0.01	70 LBS.



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FOR: VERSA-AIR  
8410-MB

PART NO:

PROJECT:

ENGINEER:

DISTRIBUTOR:

DRAWING NO: 8410MB.DWG JM

12/8/2016

DATE:

APPROVED BY:

DATE: / /