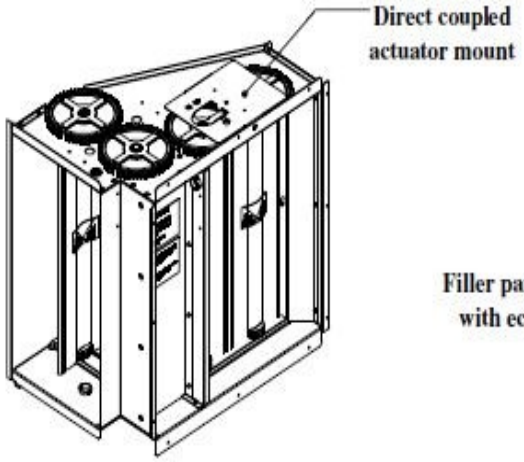
MicroMetl	Date:	Weight: 74lbs (US) 33.57kg (Metric)	Part Number: ECH-SRT12CB-D00B
	RTU:		
Submitted to:		Approved by:	Notes:

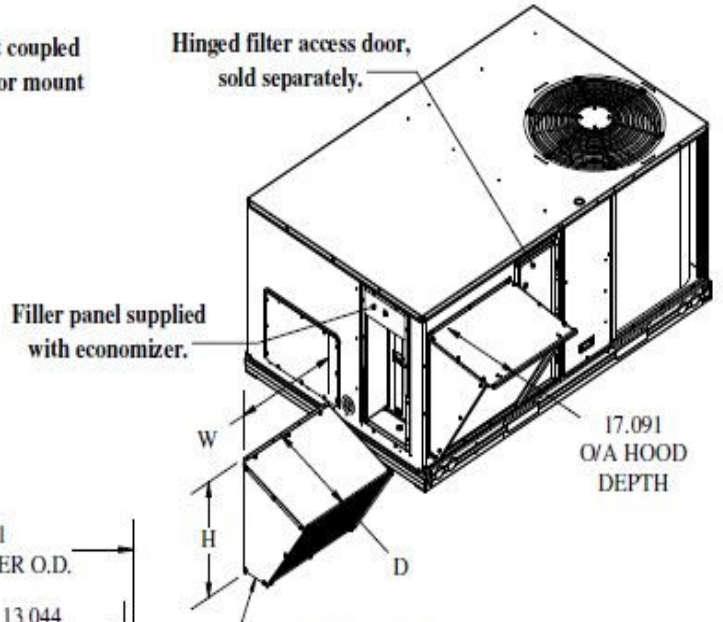
Economizer - Economizer - Genesis Ultra Low Leak Economizer, Horizontal Orientation, Actuator Only for 3rd Party Economizer Controls - No Controller, No Sensor, Belimo Actuator. Painted Rain Hood With Aluminum Filter, Barometric Relief, All Necessary Panels And Hardware Included. Must Field Provide 2-10 VDC Controllers & Sensors.

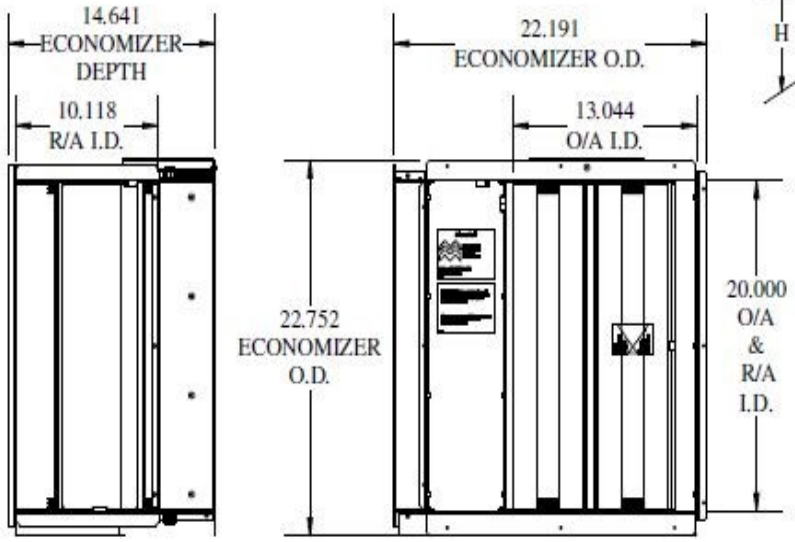
FEATURES:

- External gear driven dampers with roll formed blades.
- Designed for horizontal applications only.
- Factory assembled rain hood, with aluminum water entrainment filters.
- Filter access door supplied with economizer
- Hinged filter access door is available - ordered separately
  - MMC P/# - ECH-SRT12CA-HDOOR.
- Rain hood is sloped for water run off.
- All harnesses and plugs needed are supplied.
- Economizer is class 1A & AMCA rated.
- Relief blades are AMCA rated.
- Uses filter rack with unit.
- Motorized relief available, add -M to end of part number
  - Ex: ECH-SRT12CB-D00H-M
- Economizer with smoke detector available, add -S to end of part number
  - Ex: ECH-SRT12CB-D00H-S

-Control Types	
-D0DB-4	RTU Open - Premier Link - System VU, No controller, Adjustable dry bulb, Belimo actuator
-D0DB-X	Comfortlink - No controller, Adjustable dry bulb, Belimo MFT actuator with 500 ohm resistor
-D00H-H	Communicating Honeywell actuator only
-D00H	Non-communicating Honeywell actuator only
-D00B	Belimo actuator with feedback and end switch
-D00S	Siemens actuator with feedback







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Master Revision 0001A

Page Revision 0001A

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Compliant Economizer:

1. **Title 24:** Economizers meet California Energy Commission Title 24-2013 / 2016 prescriptive section 140.4 (damper leakage etc.), and mandatory section 120.2.i for Fault Detection and Diagnostic controls. 5 Year Warranty for parts and components only.
2. **ASHRAE 90.1:** Economizers meet ASHRAE 90.1-2013 / 2016 damper leakage requirements as stated in Table 6.4.3.4.3., and meet 2016 Fault Detection and Diagnosis requirements in section 6.4.3.12.
3. **IECC:** Economizers meet IECC 2012 section C402.4.5.2 and, IECC 2015 sections C403.2.4.3 and C403.3.3.5 for outside air, return air, and relief damper (when provided) leakage requirements, and IECC 2015 section c403.2.4.7 for Fault Detection and Diagnostic requirements, Note: IECC 2015 section C403.2.4.7.1 requires differential return air sensor, which is included in some models (i.e. -DYXB) and must be ordered separately on others (i.e. -DYDB, -DYEB).
4. **AMCA:** Outside air and return air (volume) dampers are AMCA Class 1A rated 1" w.g. Refer to MicroMetl NS2 catalog sheet on web site for details. Relief air dampers (when provided) are also AMCA rated. Refer to GR1 series catalog sheet on web site for details.

Approximate static pressure drop through R/A damper in inches w.g.						
CFM	750	1400	1630	1850	2000	2400
Pressure Drop	0.03	0.12	0.17	0.23	0.27	0.38

MicroMetl Corporation certifies that the models GR1 and NS2 shown herein are 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.

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