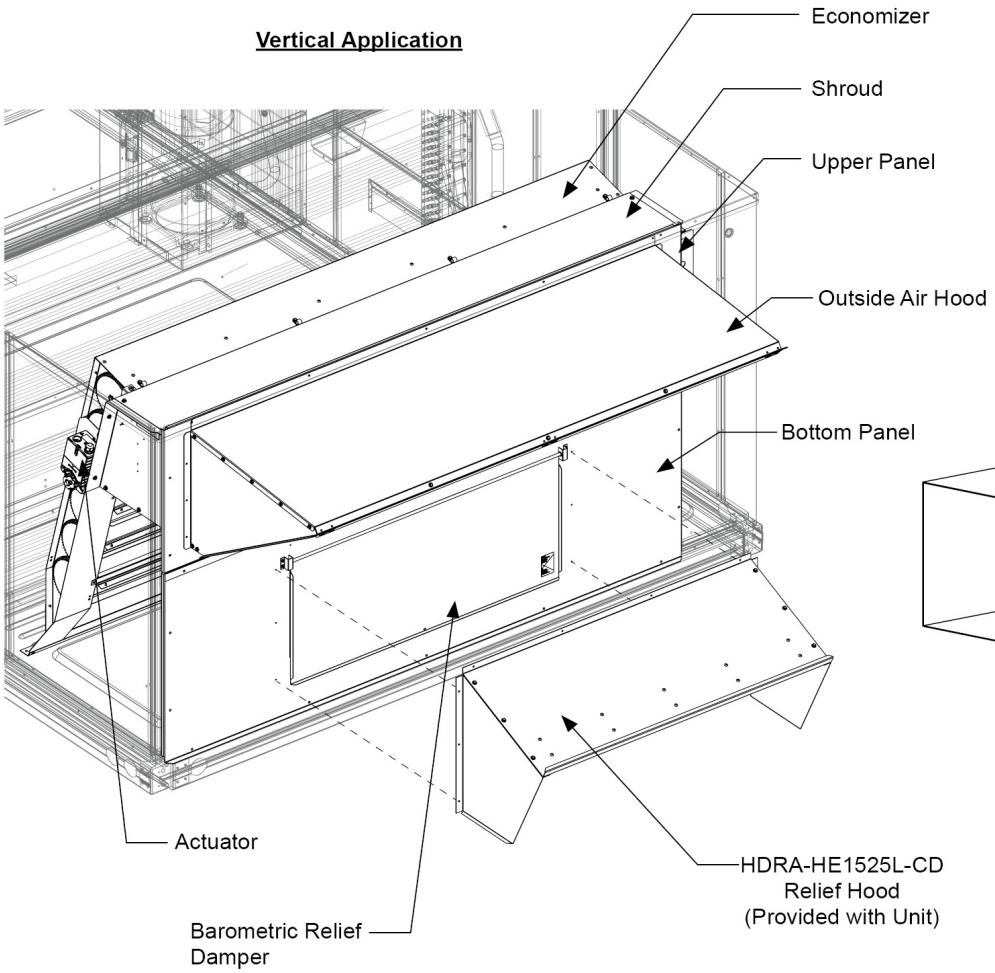
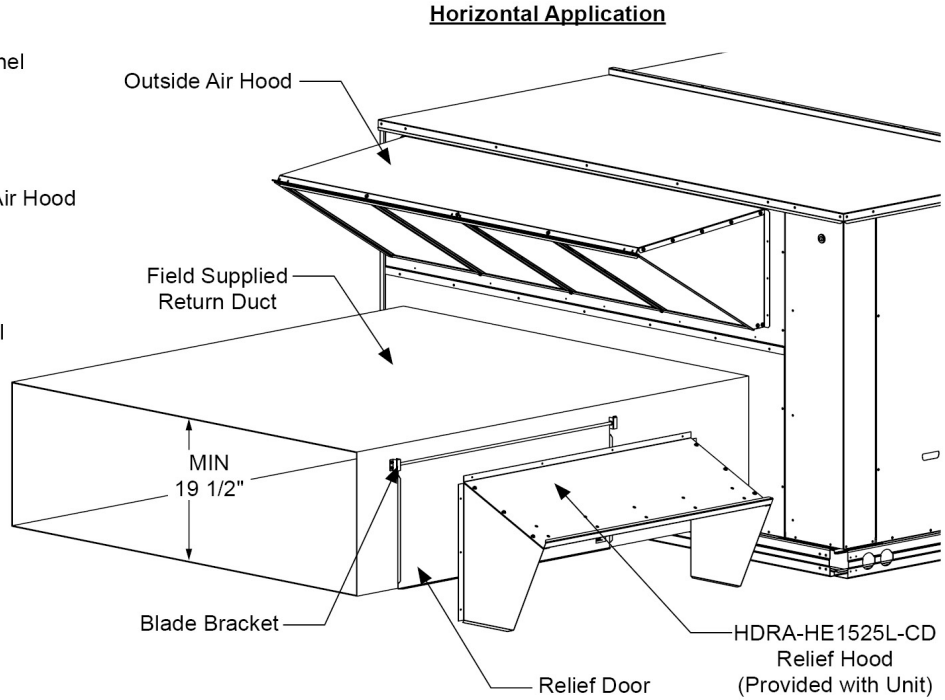
MicroMetl	Date:	Weight: 275lbs (US) 124.74kg (Metric)	Part Number: ECC-MRT69CA-D00B
	RTU:		
Submitted to:		Approved by:	Notes:

Economizer - Economizer - Ultra Low Leak Economizer, Convertible 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.

Vertical Application



Horizontal Application



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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 when used with Carrier Comfortlink, RTU Open, System Vu, or I/O Flex 6126 control systems, meet mandatory section 120.2.i for Fault Detection and Diagnostic requirements.
2. **ASHRAE 90.1:** Economizers meet ASHRAE90.1-2013/2016 damper leakage requirements, and meet 2016 Fault Detection and Diagnosis requirements when used with Carrier Comfortlink, RTU Open, System Vu, or I/O Flex control systems.
3. **IECC:** Economizers meet IECC 2012, IECC 2015, and IECC 2018 for outside air return air, and relief damper (when provided) leakage requirements, and when used with Carrier Comfortlink, RTU Open, System Vu, or I/O Flex control systems meet IECC 2015 and IECC 2018 for Fault Detection and Diagnostic requirements. Note: IECC 2015 and IECC 2018 requires differential return air sensor, which must be ordered separately.
4. **AMCA:** Outside air and return air (volume) dampers are AMCA Class 1A rated at 1" w.g. Refer to MicroMetl WS1 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.

Features:

- For single, 2 or 3 speed indoor fan units.
- Gear driven design for trouble-free operation, eliminating slippage and binding associated with standard linkage.
- Includes rainhood with aluminum water entrainment filters in the outside air section.
- Rainhood is sloped for water run-off.
- Barometric relief damper provided. Power exhaust options available.
- All harnesses and plugs needed are provided.

Notes:

1. Control systems include DDC actuator, and some models include 500 OHM resistor and outside air temperature sensor.
2. Differential return air sensor if required can be ordered from OEM unit factory, and is field installed in return duct.
3. ASHRAE, IECC, and Title 24 require the economizer controller be capable of reporting faults to a fault management application accessible by day-to-day operating or service personnel, or annunciated locally on zone thermostats or in some codes other devices are acceptable. Refer to applicable code requirements and to DDC controller for options.

MicroMetl Corporation certifies that the models GR1 and WS1 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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