



Product Data

EC-CHAS12-***0-* | Carrier Economizer

Description

PLEASE NOTE: Our economizer is a low leak, field installed economizer with the iAIRE patented controls packages and actuator, allowing you to reduce the amount of outside air needed from your rooftop HVAC system by up to 2/3 and will improve indoor air quality.

This reduction in system operation creates on-going utility savings. Payback on capital equipment costs with an iAIRE economizer can be realized in fewer than three years. These packages are designed to work directly on existing rooftop HVAC systems.

These economizers are all low leak and meet the IECC 2015 requirement and are Title 24 compliant by meeting section 120.2(i) for the required controls and the efficiency requirements in 140.4(e).

CHAS to RTU Conversion

CHAS12	CHAS1: 48/50FC 04-05; 50TCQ 04-05; 48/50GC 04-05, LC 04; 50HCQ 04; 48/50 TF, TM 004-007; 48TJ 004-007; 48HJ 004-006; 50TJ 004-006; 50HJ, HJQ 004-006	CHAS2: 48/50TC 07 FC06-07; 50TCQ 06-07; 48/50GC06, LC 05-06; 50HCQ05-06; 50HCQ 05-06; 48HJ 007; 50TJ 007
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Part Number

EC - 1 - 2 3 4 5 - 6

type	unit/ton (1)							
EC - ECONOMIZER	26	6075	CHAS12	A-BOX	FND35	PREC810	AFF	SCL34
	712	100	CHAS34	B-BOX	PACK13	VOY12	LXS	SCLHE12
	1525	125	CHAS5	C-BOX	PREC35	VOY12HE	LXL	SCLHE34
	3050	150	CHAS69	D-BOX	PREC48	VOY1525HE	SCS12	PRED
	Controls Only	Carrier	E-BOX		PREC610		SCS34	PREDS
			F-BOX			Trane	SCSHE12	SL
			Lennox				SCSHE34	SLL
							SCL12	SLU
								York

configuration (2)

- 0 - NO ECON
- C - CONVERTIBLE
- H - HORIZONTAL
- V - VERTICAL

actuator (3)

- 0 - NO ACTUATOR
- A - 20 IN-LB
- B - 62 IN-LB
- C - 160 IN-LB

controls (4)

- 0 - ECON ONLY
- A - IAQ
- B - IAQ (NO IONIZATION)
- D - DCV

power exhaust (5)

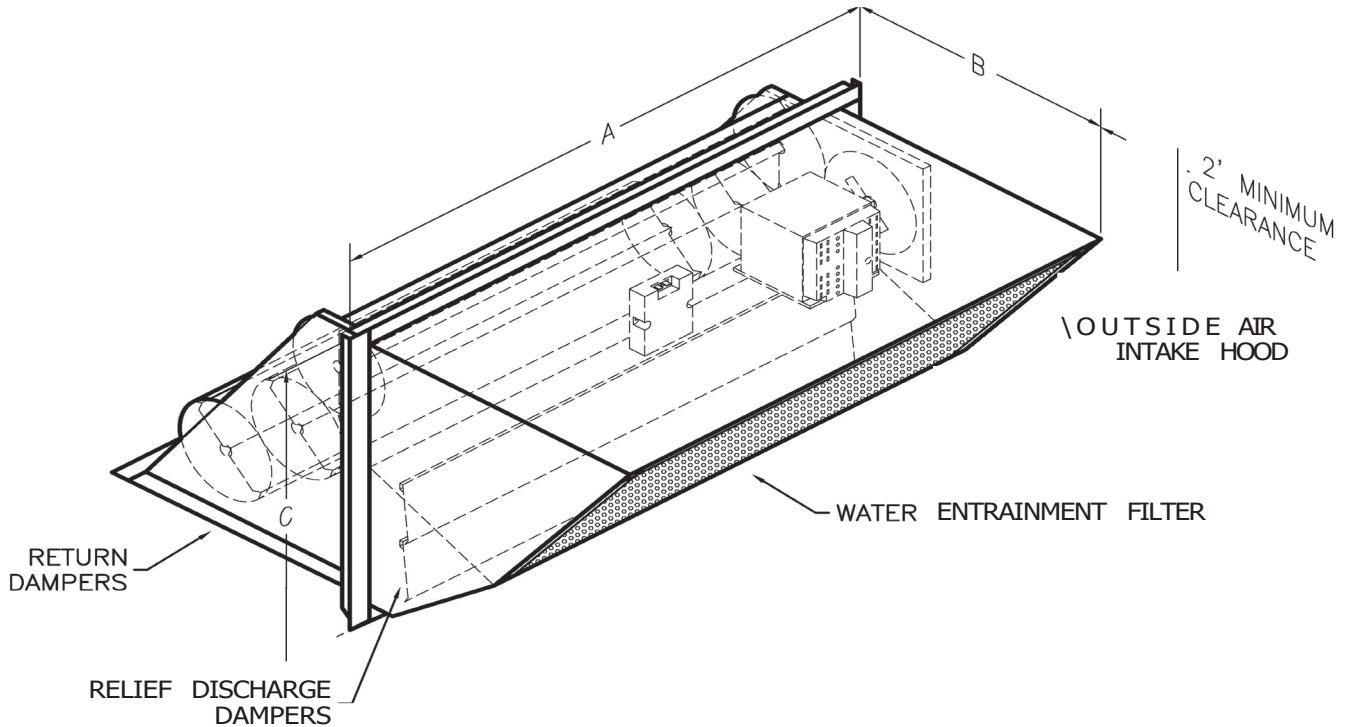
- 0 - NO POWER EXHAUST
- A - 208/230V 1Φ FIXED PE
- B - 208/230V 3Φ FIXED PE
- C - 460V 3Φ FIXED PE

options (6)

- 0 - NONE
- B - HUMIDITY
- C - BACNET
- D - BLDG PRESSURE*
- R - RTU OPEN
- U - ULTRA LOW LEAK

Note: By adding option "D" any powered exhaust will be modulating.

100% BAROMETRIC RELIEF DOWN DISCHARGE ECONOMIZER



Dimensions

PART #	A	B	C	WEIGHT
EC-CHAS12-VBA0-*	33.375'	17"	19"	59lbs.

Electrical Data

PART	AMPS	PART	AMPS	TOTAL
ACTUATOR	.29A	CONTROLS	.27A	.56A

Features

- **iAIRE Patented Controls Scheme Included**
- Low Leak Damper Included
- VOC, CO2 and Ionization included
- Heavy Gauge Galvanized Steel Construction
- American Sterling Grey Paint Finish
- One Piece Assembly
- Gear Driven Dampers
- Uses HVAC Unit Filter Access Door
- Capable of Relieving up to 100% of the Outside Air Intake

EC-CHAS12-VBA0-*

*OPTIONS
0 - No Options
B - Humidity/Enthalpic
C - BACNet

CFM	SP IN WG
2600	.40
2400	.36
2200	.32
2000	.31
1800	.30
1600	.22
1400	.16
1200	.10
900	.07

Economizers with Indoor Air Quality control are Title 24 compliant by meeting section 120.2(i) for the required controls and the efficiency requirements in 140.4(e). They also meet California ozone emissions requirements to be CARB certified.