



# 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	<p>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</p> <p>CHAS2: 48/50TC 07 FC06-07; 50TCQ 06-07; 48/50GC06,LC 05-06; 50HCQ05-06; 50HCQ 05-06; 48HJ 007; 50TJ 007</p>

### Part Number

**EC - 1 - 2 3 4 5 - 6**

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

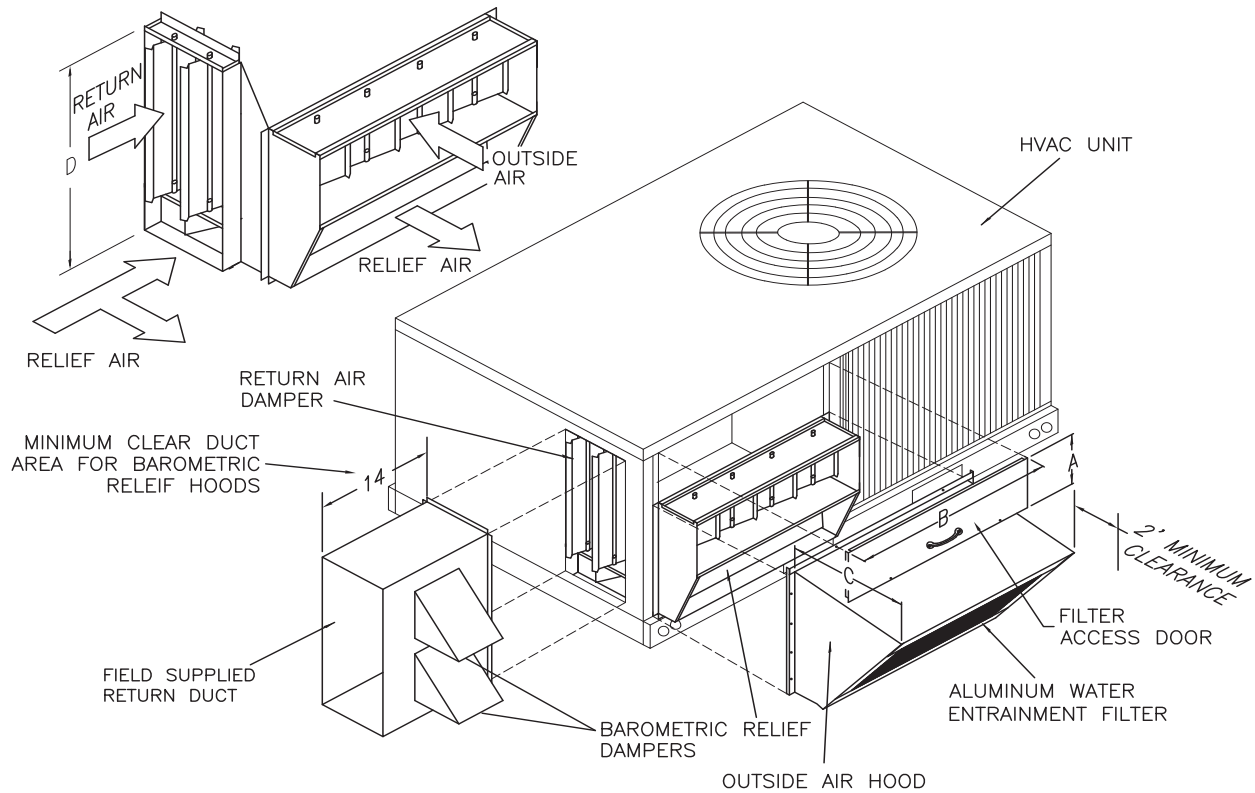
0 - NO POWER EXHAUST  
A - 208/230V 1Φ FIXED PE  
B - 208/230V 3Φ FIXED PE  
C - 460V 3Φ FIXED PE

#### 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.

## EC - CHAS12 - HBA0 - \* | Carrier Economizer



### Dimensions

PART #	A	B	C	D	Relief Hood	Weight
EC-CHAS12-HBA0-*	6.625'	31.5"	18"	25.6875"	2 - 8 x 8	135 lbs.

### Electrical Data

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

### \*OPTIONS

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

### EC-CHAS12-HBA0-\*

CFM	SP IN WG
2600	.49
2400	.46
2200	.43
2000	.39
1800	.32
1600	.25
1400	.19
1200	.14
900	.07

### 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

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.