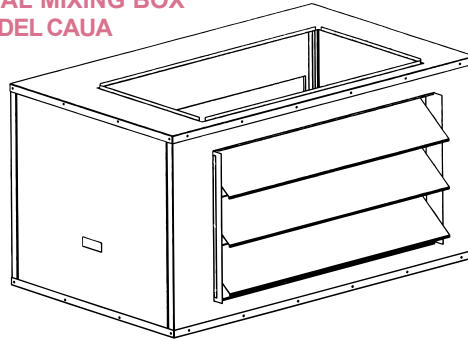


RETURN AIR/OUTSIDE AIR MIXING BOX WITH DAMPERS

INLET AIR OPTIONS MODEL CAUA OPTIONAL RETURN AND OUTSIDE AIR MIXING BOX WITH OR WITHOUT FILTERS AND RETURN AIR FILTER CABINET

OPTIONAL MIXING BOX FOR MODEL CAUA

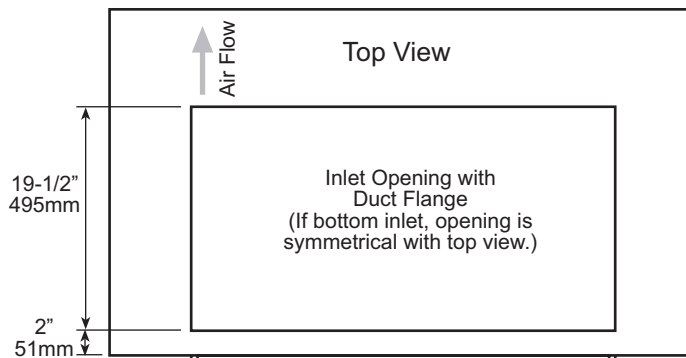


Description

The optional mixing box for the Reznor® Model CAUA heater is designed to provide the system with an inlet air mixture of return air and outside air. It is available in an assortment of configurations with a selection of damper controls. The mixing box is completely assembled at the factory and shipped with the unit for field attachment to the rear of a Model CAUA heater.

Dampers have vinyl blade strips and stainless steel jamb seals rated at 10 CFM/sq ft leakage at 2.0" pressure differential. Any percentage of outside air can be supplied to the unit as long as the air temperature entering the blower is 35°F or above.

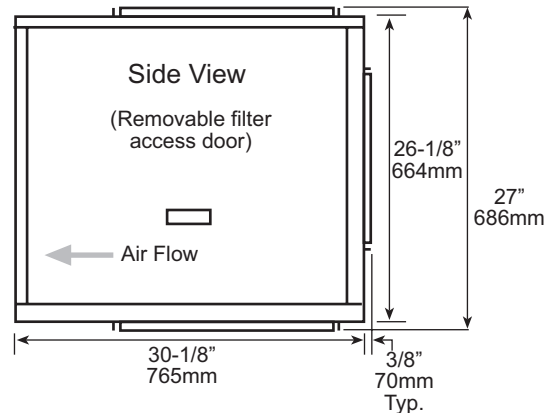
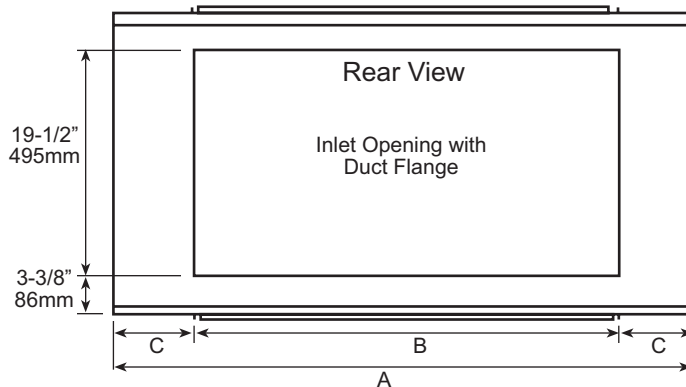
All mixing box inlet air openings have duct flanges for attaching ductwork. Removable door panels provide access to damper controls and filters from either end of the cabinet (filters are optional).



Mixing Box Dimensions (inches ± 1/8"; millimeters ± 3mm)

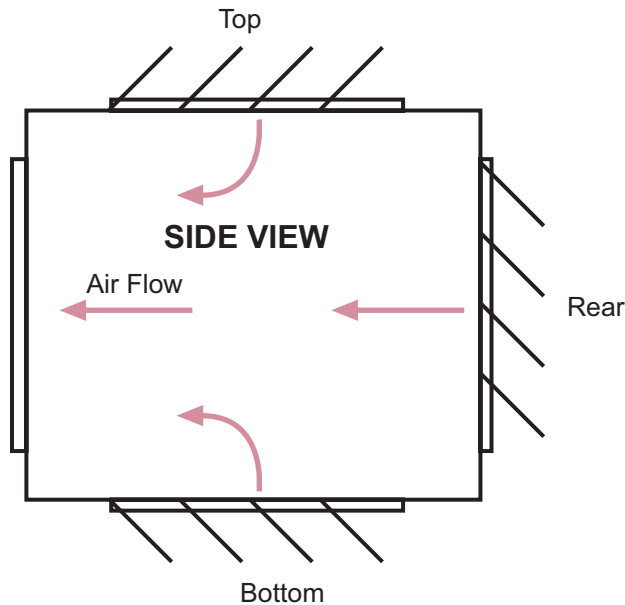
Size	150-200		250-400	
	in.	mm	in.	mm
A	38	965	50	1,270
B	22 3/4	578	36 1/2	927
C	7 5/8	194	6 3/4	171

Note: Damper frame fits in the inlet opening.





INLET AIR OPTIONS MODEL CAUA (cont'd)
OPTIONAL RETURN AND OUTSIDE AIR MIXING BOX
WITH OR WITHOUT FILTERS AND RETURN AIR FILTER CABINET



Option No.	Outside Air Opening/ Dampers	Return Air Opening	Return Air Dampers
GA1	Top	Bottom or Rear*	N/A
GA2	Rear	Top or Bottom*	N/A
GA3	Bottom	Top or Rear*	N/A
GA4	Bottom	Rear	Rear
GA5	Bottom	Top	Top
GA6	Rear	Top	Top
GA7	Rear	Bottom	Bottom
GA8	Top	Rear	Rear
GA9	Top	Bottom	Bottom

*Mixing box is shipped with one of these sides capped and the other open. To adapt to the installation, the cap may be moved in the field.

CAUA Size	Ship Weight (lbs.)	
	GA1-GA3	GA4-GA9
150-200	155	175
250-400	195	230

Select a motor or control system (must be selected):

Damper Motor	GB2 - 2-Position motor (open/closed) GB3 - Modulating motor (select control Option GC)
Damper System	GB30 - 2-Position motor, 100% return air during warm-up, 65% return air/ 35% outside air after warm-up - ASHRAE Cycle 1
Control (Select with Options GA4-9)	GB31 - Modulating motor, 100% return air during warm-up with automatic damper control after warm-up (minimum outside air as set by potentiometer) - ASHRAE Cycle 2 GB32 - Modulating motor, 100% return air during warm-up with automatic damper control to maintain set temperature after warm-up - ASHRAE Cycle 3

Select Option GC controls with Option GB3 modulating dampers:

OPT	Description/Application
GC1A	Manual Potentiometer on the Mixing Box
GC1B	Manual Potentiometer (shipped separately)
GC2	Mixed Air Controller - Dampers are automatically controlled to mix return and outside air to maintain set temperature of air entering the heater
GC2A	GC2 with a manual potentiometer on the mixing box to set the minimum outside air
GC2B	GC2 with a remotely located manual potentiometer to set the minimum outside air

All Option GA mixing boxes are available with filter rack and filters, select:

OPT	Description
AW9	Filter Rack with 2" Permanent Filters
AW11	Filter Rack with 2" Pleated Disposable Filters*

*An application using Model CAUA 350 or 400 with 6000 CFM requires permanent filters.