



CA Series Brochure

High-performing all-rounder:

Economical purchase and running costs | Excellent fuel economy | High airflow
Fits all bus types, low floor, school bus, & coach | Combines leading technology with Coachair's renowned reliability



CA34

Capacity

CA34 is suited to large buses and coaches with up to 61 passengers. CA34 is available in heat/cool or cooling only models.

Case

The CA features a fully molded, lightweight, double-wall case made from fiberglass providing high strength and durability. It features a slim line with a wide body to accommodate the profile of the bus/coach. A fresh air intake is also incorporated.

Evaporator Blowers

Six variable speed, brushless EBM, double shaft heavy duty motors. The motors are forward curved blowers for high capacity and quiet operation.

Condenser Motors

Four single shaft high durability EBM, brushless fans. Operating on three speeds to maximize performance in all ambient temperatures. all leading manufacturers in the World. Including Bitzer F600Y, 4NFCY, 6PFCY, Bock FXK40, FXK50.

Condenser and Evaporator Coils

Condenser coils use patented micro-channel heat ex-changer technology and a precise design to sufficiently improve the heat exchanging efficiency and reduce the weight. Copper tube evaporator coils use the latest in small bore technology.

Compressor

CA is compatible with compressors from all leading manufacturers in the world. Including Bitzer F600Y, 4NFCY, 6PFCY, Bock FXK40, FXK50.

Safety features

Coachair air conditioners incorporate high and low pressure safety cut out switches, and a full fault finding diagnostic control system.

Servicing

Simple uncluttered layout allowing easy access to all electrical and refrigeration components.

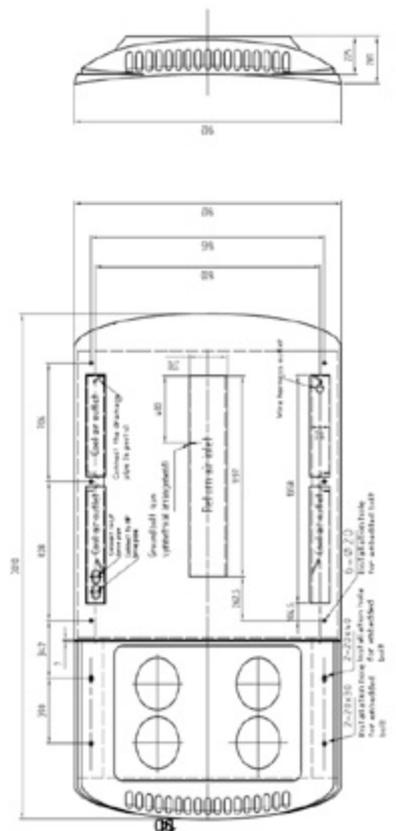
Electrical Control

Software driven P.I.D climate controls with digital dash temperature display. The CA unit incorporates solid state switching on electric motors for longer brush life.

Covers

All covers are removable.

Model	CA40
Cooling Capacity	36kw
Heating Capacity	38kw
Airflow High (free blow)	6,600m ³ /hr
Refrigerant	R134a
Power Supply	24V
Current Draw High Speed	85A @ 27V
Unit Weight	190kg approx.
Dimensions (mm)	3010mm long 1900mm wide 225mm high (centre)





CA40

Capacity

CA40 is suited to large buses and coaches with up to 80+ passengers. CA40 is available in heat/cool or cooling only models.

Case

The CA features a fully molded, lightweight, double-wall case made from fiberglass providing high strength and durability. It features a slim line with a wide body to accommodate the profile of the bus/coach. A fresh air intake is also incorporated.

Evaporator Blowers

Six variable speed, brushless EBM, double shaft heavy duty motors. The motors are forward curved blowers for high capacity and quiet operation.

Condenser Motors

Five single shaft high durability EBM brushless fans. Operating on three speeds to maximize performance in all ambient temperatures.

Condenser and Evaporator Coils

Condenser coils use patented micro-channel heat ex-changer technology and a precise design to sufficiently improve the heat exchanging efficiency and reduce the weight. Copper tube evaporator coils use the latest in small bore technology.

Compressor

CA is compatible with compressors from all leading manufacturers in the world. Including Bitzer F600Y, 4NFCY, 6PFCY, Bock FXK40, FXK50.

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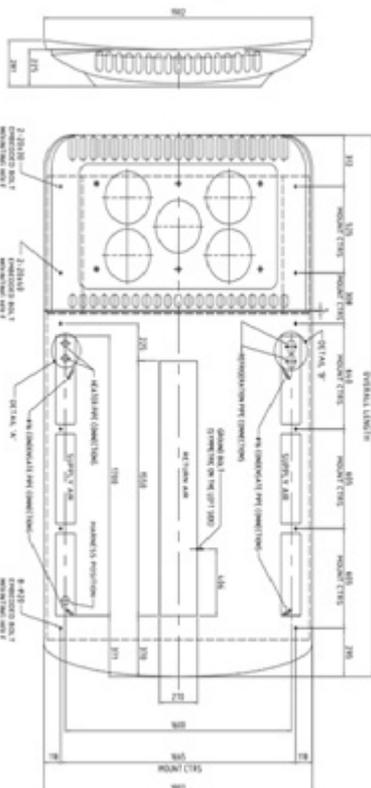
Simple uncluttered layout allowing easy access to all electrical and refrigeration components.

Electrical Control

Software driven P.I.D climate controls with digital dash temperature display. The CA unit incorporates solid state switching on electric motors for longer brush life.

Covers

All covers are removable.



Model	CA40
Cooling Capacity	40kw
Heating Capacity	40kw
Airflow High (free blow)	8,000m ³ /hr
Refrigerant	R134a
Power Supply	24V
Current Draw High Speed	95A @ 27V
Unit Weight	230kg approx.
Dimensions (mm)	3300mm long 1900mm wide 215mm high (centre)



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