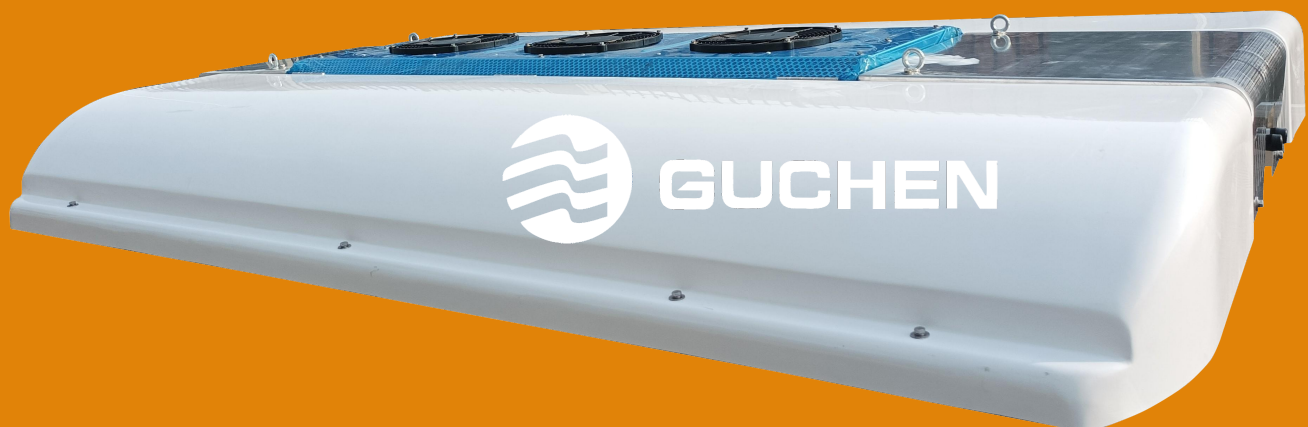




Air conditioning in a school bus is an important part of the vehicle's safety and comfort.

In hot weather, school buses can become extremely hot inside and uncomfortable for students and teachers alike.

The right school bus air conditioner will help keep kids cool and comfortable throughout their travels to and from school each day. It can also reduce fuel costs by keeping buses cooler while driving down the road as well as provide extra benefits such as increased safety features and better fuel efficiency.





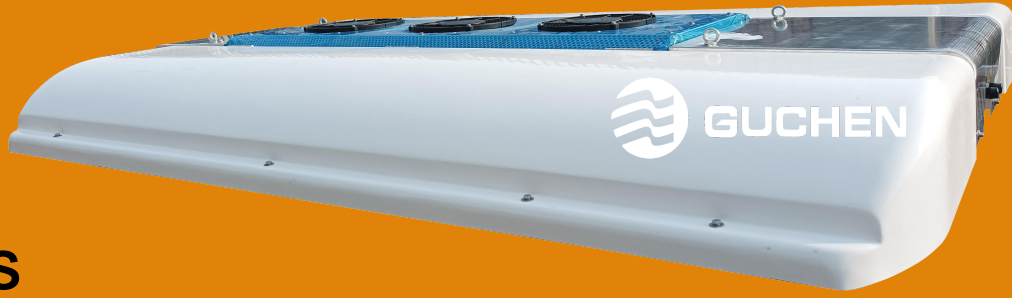
Guchen Industry is a professional manufacturer of bus HVAC systems, which is located in Zhengzhou, China. Established in 1998, Guchen People have been in the automobile AC industry for over 20 years and have rich experience in this field.

Premium quality products and custom bus cooling solutions at competitive prices are what we offer to our customers.



Guchen School Bus AC Services Include:

- 1) Air Conditioners for Pure Electric School Bus
- 2) Bus HVAC System for Traditional School Bus



GCEK Series Air Conditioners for 6m-12m Pure Electric School Bus

MODEL	GCEK-03	GCEK-04	GCEK-05	GCEK-06
Cooling Capacity	18,000 Kcal/h / 21KW / 72000BTU	20,000 Kcal/h / 24KW / 82000BTU	24,000 Kcal/h / 28kw / 104000BTU	27,500 Kcal/h / 32kw / 110000BTU
		82000BTU		
Power Consumption	4.5Kw	6.5Kw	8kw	10kw
Condenser air volume	6000 m ³ /h	6000 m ³ /h	8000m ³ /h	10000 m ³ /h
Evaporator Air flow	4000 m ³ /h	4000 m ³ /h	6000 m ³ /h	6000 m ³ /h
Refrigerant	R407c			
Size	2680*1900*287	2800*1900*290	2925*1900*287	3175*1900*287
L×W×H(mm)				
Voltage	DC380V~DC750V	DC380V~DC750V	DC380V~DC750V	DC380V~DC750V
School Bus	6-7M	7-9M	9-11M	10-12M

Lightweight Design

GCEK series adopts lightweight design, which is more than 20kg lower than other products in the industry.

More Energy-Saving

Components such as condenser fan, evaporator fan, and compressor, all adopt intelligent control, saving energy by more than 20%.

More Efficient

The intelligent control system of refrigerant flow can cool down quickly and is always in the high-efficiency range.

More Reliable

Multiple protections for high and low pressure, exhaust temperature, overcurrent and overvoltage.

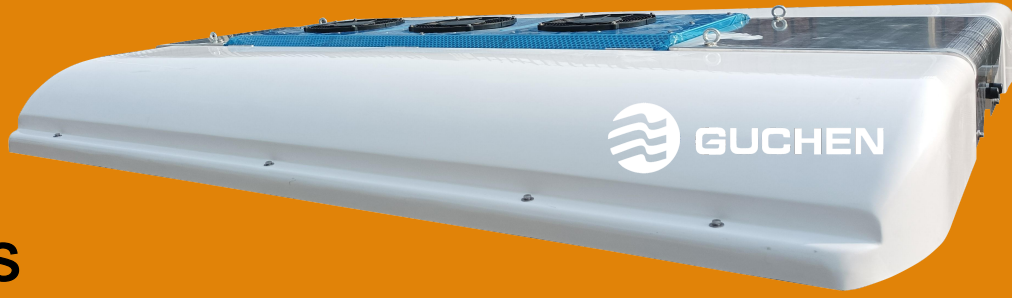
Electrical Safety

High voltage protection grade IP67, multiple insulation protection, to ensure electrical safety.

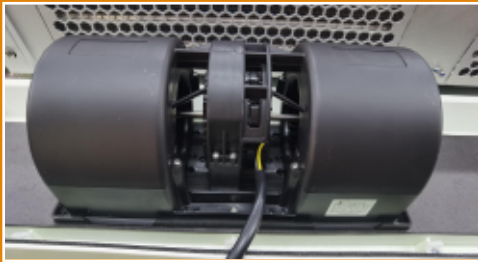
Longer Service Life

The core components - brushless fan, Danfoss valve, DC-DC, electric scroll compressor, etc., are all well-known international brands, more reliable and longer life.



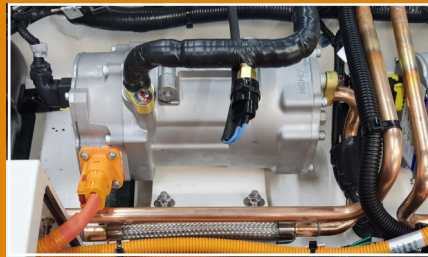


GCEK Series Air Conditioners for 6m-12m Pure Electric School Bus



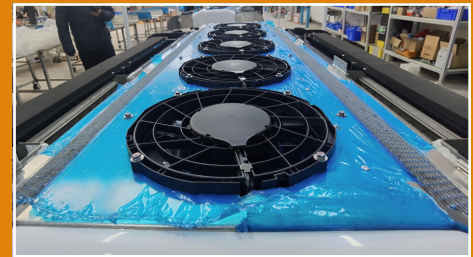
Evaporator Blower Motor

On the evaporator side, it uses centrifugal blower. The refrigerant passes through the indoor evaporator coils and absorbs heat from air flow driven by a blower, thereby the air flow provides a cooling process for the indoor air stream.



Electric Scroll Compressor

Electric scroll compressors into electric air-conditioners for new-energy school buses meet the cooling and heating requirements of EV applications, as well as achieve high energy efficiency and reliable operation.



Condenser Fan

The condenser fan assists in removing the heat. 5 condenser fan design guarantees the fast cooling even ambient temperature is more than 45 .



PTC Heater

Low thermal resistance, high heat exchange efficiency and low power attenuation for long-term use. Electrical PTC heating elements are widely used for supplemental heating due to their simplicity, reliability, durability, and safety.



High Voltage Connection

Waterproof connectors and quality shielded HV cables are used to ensure a safe and reliable connection between high voltage components in electric school bus air conditioning systems.



Evaporator Coil

The evaporator coil of Guichen e-bus ac adopts high quality inner screw copper tube and aluminum fin. The hydrophilic aluminum fin design ensures that the evaporator coils will last longer in extremely humid conditions. It also reduces the growth of bacteria, enabling passengers to get cool and healthy air at the same time.



DC-DC

The new-generation DC/DC features small volume, lightweight, high power density, high efficiency, and high reliability.



Packaging for Shipping

Electric buses are the future, and each year we've seen automakers add more EVs to their lineups. Guichen Industry is pleased to introduce our all-electric school bus air conditioning systems. Here are a few of the amazing benefits of this new technology:

- Clean, Zero-Emission
- Quiet, Noise-Reduction
- Economic Benefits
- Heating & Cooling Dual Functions
- Much More Affordable



3D Design

Our team of experts are available to answer any questions or concerns you may have.

If you are seeking for best efficiency and affordable school bus HVAC solutions, Guichen Industry is the top manufacturer you should consider. All the electric bus air conditioning units are of the highest quality and backed by excellent customer service.

Guchen Industry Offers Efficient, Reliable and Cost-effective Air Conditioner for School Buses

We're a professional air-conditioning manufacturer in China. We produce all kinds of air-conditioning systems and parts, including school buses, city buses, coaches, vans and trucks. Our products are exported to more than 20 countries and regions in Europe, America, Africa and Asia with high quality and favorable price.

Our goal is to provide customers with reliable products that meet their needs at reasonable prices.

We have a professional design team with more than 20 years experience in designing air-conditioning systems for school buses. Our engineers have been working together with customers from all over the world for many years on different types of school buses and vehicles with different specifications (standard or customized).



Contact Guchen Today!

Official Website: <https://www.guchen.com>

Email Address: info@guchen.com

Tel: 86 371 69152892