SDKB

山东康堡

专注于农业机械、工程机械、特种车辆等空调系统的设计与制造
全球领先的非道路机械热管理系统供应商
中国高新技术企业

Focus on the design and manufacture of air-conditioning systems
for agricultural machinery, construction machinery, special vehicles, etc.
The world's leading supplier of thermal management systems for off-road machinery
China High-tech Enterprise







www.sdkangbao.net

企业简介

山东康堡汽车配件有限公司是一家以非道路机械空调及热管理系统研发、生产、销售为一体的企业，现有职工 100 余人，固定资产1.5亿元。是国家高新技术企业、山东省“专精特新”企业。公司为非道路机械客户提供从产品设计到售后服务完整系统的解决方案。

在研发方面，公司拥有 10 余名专业工程师组建的设计团队，与同济大学、山东大学、青岛理工大学等高校建立了紧密的产学研合作关系，共建了临沂市企业技术中心、临沂市工程研究中心等科研平台，截止 2023 年共获得授权专利 20 多件，其中发明专利 3件。

在产品方面，拥有专利技术的农机专用冷凝器和核心专利技术空调系统。特别是在农业机械场景应用中，开发了针对多种农业机械的特殊场景空调系统;在工程机械和矿山机械应用场景，以及新能源电动车空调系统方面也不断推出新产品。

在质量管控方面，公司通过 IATF16949 认证，建立了快速反应质量控制机制，通过先进的检测手段和设备，确保产品符合质量标准，并建立了汽车空调实验室，配备多种试验检测设备，具备整套汽车空调的功能性验证能力。

在生产制造方面，公司制造中心设有汽车换热器钎焊生产线、汽车空调装配流水线、冲压车间、装配车间、包装车间等，拥有自动芯体装配机等百余台套设备，年制造能力可达 10万台套。

公司将继续专注于非道路机械空调系统及热管理的发展战略，紧跟国家新能源发展步伐，重点开发新能源非道路机械热管理系统，致力于打造一流产品。

About SDKB

Shandong Kangbo Auto Parts Co., Ltd. is an enterprise integrating R&D, production and sales of non-road machinery air conditioning and thermal management systems. It currently has more than 100 employees and fixed assets of 150 million yuan. It is a national high-tech enterprise and a "specialized, refined and new" enterprise in Shandong Province. The company provides non-road machinery customers with complete system solutions from product design to after-sales service.

In terms of R&D, the company has a design team of more than 10 professional engineers, and has established close industry-university-research cooperation with universities such as Tongji University, Shandong University, and Qingdao University of Technology. It has jointly built scientific research platforms such as Linyi Enterprise Technology Center and Linyi Engineering Research Center. As of 2023, it has obtained more than 20 authorized patents, including 3 invention patents.

In terms of products, it has patented agricultural machinery special condensers and core patented technology air conditioning systems. Especially in agricultural machinery scene applications, special scene air conditioning systems for a variety of agricultural machinery have been developed; new products are also continuously launched in the application scenarios of engineering machinery and mining machinery, as well as new energy electric vehicle air conditioning systems.

In terms of quality control, the company has passed the IATF16949 certification and established a rapid response quality control mechanism. Through advanced testing methods and equipment, it ensures that products meet quality standards. It has also established an automotive air-conditioning laboratory equipped with a variety of test and testing equipment, and has the functional verification capabilities of a complete set of automotive air-conditioning.

In terms of production and manufacturing, the company's manufacturing center has automotive heat exchanger brazing production lines, automotive air-conditioning assembly lines, stamping workshops, assembly workshops, packaging workshops, etc. It has more than 100 sets of equipment such as automatic core assembly machines, and its annual manufacturing capacity can reach 100,000 sets.

The company will continue to focus on the development strategy of non-road machinery air-conditioning systems and thermal management, keep up with the pace of national new energy development, focus on the development of new energy non-road machinery thermal management systems, and strive to create first-class products.



荣誉资质

山东康堡汽车配件有限公司为中国高科技型企业，具备进出口资格，公司取得各项专利23项。
企业技术中心为政府认定的非道路机械空调系统技术中心，中国“专、精、特、新”中小企业。

Honors and Qualifications

Shandong Kangbao Auto Parts Co., Ltd. is a high-tech enterprise in China, possessing the qualification for import and export. The company has acquired 23 patents of various kinds.

The enterprise technology center is recognized as the technical center of the non-road machinery air con -ditioning system and is a "professional, refined, specialized and new" small and medium-sized enterprise in China.









主营业务介绍　　Introduction to Main Business

农业机械空调系统解决方案：涵盖拖拉机、谷物收获机等产品。农机空调系统由于其特殊的工作环境和工况，与其他车类空调有所不同。我们针对农机专门开发了适配的产品，并在中国及国际市场得到了广泛应用。

Agricultural Machinery Air Conditioning System Solution: Products such as tractors and grain harvesters ar -e included. The air conditioning system of agricultural machinery is different from those of other vehicle types due to its specific working environment and operating conditions. We have developed products sui -table for agricultural machinery and they have been widely used in both the Chinese and international markets.



工程机械机械空调系统解决方案：适用于装载机、挖掘机、矿山卡车等特殊特殊作业场景的空调系统。

Engineering Machinery Air Conditioning System Solution: An air conditioning system suitable for special operation scenarios such as loaders, excavators, and mining trucks.and international markets.



储能电站热管理系统，空气能空调系统、电动汽车空调系统解决方案。

Thermal Management System for Energy Storage Stations, Air Energy Air Conditioning System, and Elec tric Vehicle Air Conditioning System Solutions.









基础设施和硬件设备

山东康堡汽车配件有限公司在中国山东省临沂市沂南县建有现代化生产制造中心，基地占地面积10万平米，建有现代化智能生产车间，现代化汽车换热器钎焊生产线，管片式换热器生产线，汽车空调装配生线，现代化的仓储中心等，为生产制造提供了良好的经营基础。

basic facilities&hardware

shandong Kangbao Auto Parts Co., Ltd. has built a modern production and manufacturing center in Yinan County, Linyi City, Shandong Province, China. The base covers an area of 100,000 square meters. It has built modern intelligent production workshops, including a brazing production line for automotive heat exchang-ers, a tube-and-fin heat exchanger production line, an automotive air conditioning assembly line, a modern warehousing center and other infrastructure, providing a good operating foundation for production and ma-nufacturing.






设计研发能力

山东康堡汽车配件有限公司技术中心,为政府认定的非道路机械空调系统技术中心，中心现有专业高级技术研发工程师10余人，同时外聘7名外边专家团队，与上海交通大学制冷系、中国汽车空调行业协会、中国农机协会、中国工程机械协会、等专业机构保持合作和交流，掌握现代汽车空调及热管理技术及前沿发展趋势。

拥有先进的CAD设计工作站，拥有空调零部件、空调模块、空调系统的开发设计能力。

拥有完善的标准零件和模块数据库，对HVAC设计拥有积木式开发能力拥有前端模 拟分析和后端实验验证的开发能力。

对空调HVAC拥有一箱式、两箱式、三箱式结构形式的开发能力拥有客车空调、卡车空调、轿车空调、特种车空调多车型的开发能力，拥有电动汽车热管理系统的开发能力。

拥有高效性，轻量化和紧凑型换热器和总成的开发能力..可为客户提供正逆向产品设计。

自有零部件加工制造能力能够较快的完成产品开发,大大缩短开发周期。

已为中国及全球众多主机厂提供了成熟的空调系统产品方案，山东康堡空调设计技术中心成为中国行业内知名机构。

Research and design capacity

The technology center of Shandong Kangbao Auto Parts Co., Ltd. is recognized by the government as the technical center for non-road machinery air conditioning systems. Currently, the center has more than 10 professional senior technical R&D engineers, and at the same time, it has hired an external expert team of 7 members. It maintains cooperation and communication with professional institutions such as the Refrige -ration Department of Shanghai Jiao Tong University, the China Automobile Air Conditioning Industry Asso -ciation, the China Agricultural Machinery Association, and the China Construction Machinery Association, grasping modern automotive air conditioning and thermal management technologies and cutting-edge de -velopment trends.

It possesses advanced CAD design workstations and has the development and design capabilities for air conditioning components, air conditioning modules, and air conditioning systems.

It has a complete database of standard parts and modules, and has the development capability of building block type for HVAC design. It has the development capabilities of front-end simulation analysis and back-end experimental verification.

It has the development capabilities of one-box, two-box, and three-box structural forms for air conditioning HVAC. It has the development capabilities for multiple vehicle types such as passenger car air conditioning, truck air conditioning, car air conditioning, and special vehicle air conditioning. It has the development cap -abilities of electric vehicle thermal management systems.

it has the development capabilities of highly efficient, lightweight, and compact heat exchangers and assem -blies. It can provide customers with forward and reverse product design.

Its own parts processing and manufacturing capabilities can complete product development relatively quic -kly, greatly shortening the development cycle.

It has provided mature air conditioning system product solutions for many OEMs in China and around the world. The air conditioning design technology center of Shandong Kangbao has become a well-known insti -tution in the Chinese industry.



实验测试和质量控制能力

山东康堡汽车配件有限公司通过国际IATF16949认证，建立了完善的质量控制体系，建立起快速反应质量控制（QRQC）机制。并通过先进的检测手段和设备，确保产品符合产品质量标准。建立了汽车空调实验室，配备了换热器检漏设备、环境模拟实验 、耐久性实验、耐疲劳实验、耐腐蚀性能实验等试验检测设备，具备整套汽车空调的功能性验证能力，为生产制造合格的产品提供了有力的保障。

basic facilities&hardware

Shandong Kangbao Auto Parts Co., Ltd. has obtained the international IATF16949 certification, established a comprehensive quality control system, and set up a Quick Response Quality Control (QRQC) mechanism. Through advanced detection approaches and equipment, it ensures that the products comply with the pro-duct quality standards. It has established an automotive air conditioning laboratory, equipped with test an-d detection facilities such as heat exchanger leak detection equipment, environmental simulation experim-ents, durability tests, fatigue resistance tests, and corrosion resistance performance tests. It possesses the complete functional verification capability of automotive air conditioning, providing a powerful guarantee for the manufacturing of qualified products.









CERTIFICATE OF REGISTRATION

IAOB-1026

This certifies that the Quality Management System of

Shandong Kangbao Auto Parts Co., Ltd.

Industrial Park, Jiehu Town, Yinan County, Linyi City, Shandong Province, China, 276300

IATF UID No: 384YPK

has been audited in accordance with

Automotive Certification Scheme for IATF 16949 Rules for Achieving and Maintaining IATF Recognition, 5th Edition

and found to be in conformance to the following standard

IATF16949:2016 1st Edition

Scope of Registration

Manufacturing of Condenser Assembly and Evaporator Assembly

Permitted Exclusions: Product Design

Registration Date:	Jul 05, 2024
Expiration Date:	Jul 04, 2027
IATF Certificate No:	0528788
CASC Certificate No:	2024A2960

General Manager: Lin Yi

CASC

China Jiuding Automotive Supplier Certification Co., Ltd.

Room 510, Floor 5, Building 1, No.12 Dongdaqiao Road, Chaoyang District, Beijing, P.R.China



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公司全景 Panoramic photos of the company







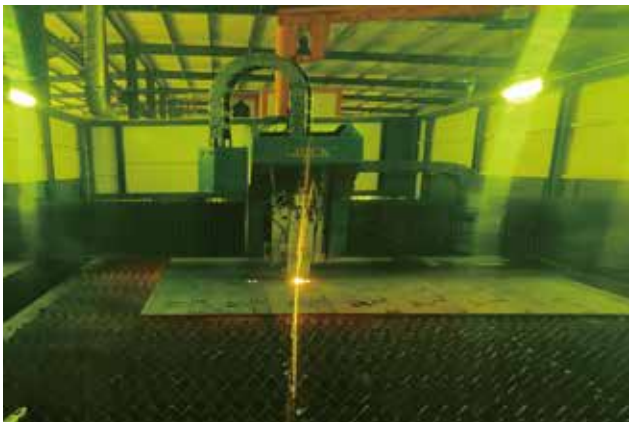




公司全景 Panoramic photos of the company











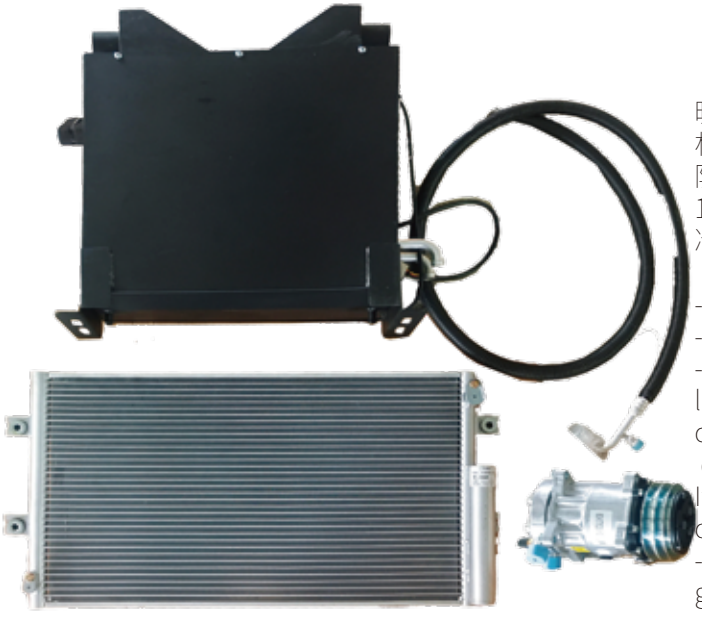
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产品套装实例 Complete product examples



实例为一款适用于农业机械的拖拉机冷暖空调模块，冷凝器不易堵塞设计，防尘，电压：直流12V/24V；机械驱动型往复式压缩机，制冷量3-4KW，制热量4-5KW。

The presented instance is a heating and cooling air conditioning module applicable to tractors in agricultural machinery. It is designed with a condenser that is highly resistant to clogging and dust-proof. The voltage is DC 12V/24V. It is furnished with a mechanically-driven reciprocating compressor, featuring a cooling capacity of 3-4KW and a heating capacity of 4-5KW.



这个实例代表了一款适用于工程机械的冷暖空调模块，尤其是在诸如挖掘机驾驶舱、起重机驾驶舱和装载机车厢等场景中。它采用了具有防堵塞设计和防尘特性的冷凝器。电压为直流12V/24V。它配备了机械驱动的往复式压缩机，制冷量在3-4 KW之间，制热量在4-5 KW之间。

This instance represents a heating and co-oling air conditioning module applicable to c-onstruction machinery, particularly in scenari-os such as excavator cabins, crane cabs, and loader compartments. It is engineered with a condenser featuring an anti-clogging design and dust-proof property. The voltage is DC 12V/24V. It is outfitted with a mechanically-driven recipr ocating compressor, having a cooling capacity ra-nging from 3 to 4KW and a heating capacity ran ging from 4 to 5KW.

产品套装实例 Complete product examples





此实例呈现了一个适用于诸如谷物收割机等农业机械的制冷空调模块，尤其适用于小麦收割机驾驶舱、玉米收割机驾驶舱以及青贮饲料机车厢等场景。它采用了具有防堵塞设计和防尘特性的冷凝器。电压为直流 12V/24V。它配备了机械驱动的往复式压缩机，制冷量在 5 至 6 千瓦之间。制冷剂采用R134A环境友好型制冷剂。

This instance presents a cooling air conditioning module applicable to agricultural machinery such as grain harvesters, particularly suitable for scenarios lik-e the cabins of wheat harvesters, the cabins of corn harvesters, and the compartments of silage feeders. It adopts a condenser with an anti-clogging design an-d dust-proof property. The voltage is DC 12V/24V. It is equipped with a mechanically-driven reciprocating compressor, with a cooling capacity ranging from 5 to 6 kilowatts. The refrigerant used is the environment-ally friendly R134A.

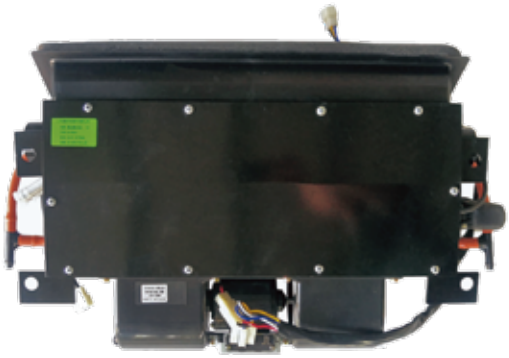
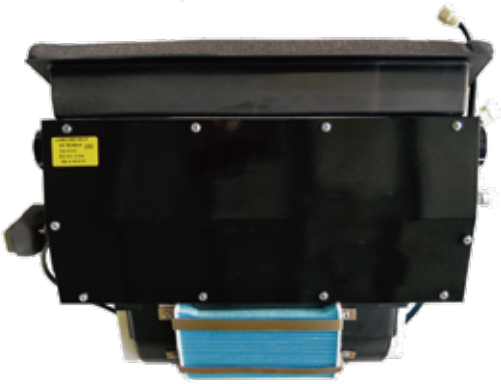
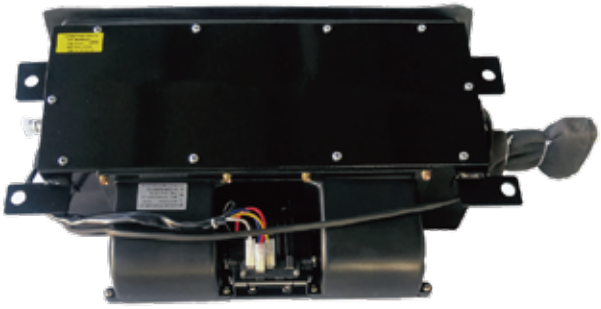


下面实例是两款适用于农业机械的拖拉机冷暖空调模块，冷凝器不易堵塞设计，防尘，电压：直流12V/24V；机械驱动型往复式压缩机，制冷量3-4KW，制热量4-5KW。

The following instances are two heating and cooling air conditioning modules for tractors in agricultu-ral machinery. They are designed with condensers that are not prone to clogging and are dust-proof. The voltage is DC 12V/24V. They are equipped with mechanically-driven reciprocating compressors, with a co-oling capacity of 3-4KW and a heating capacity of 4-5KW.

单品实例-蒸发器 Single product example - evaporator






单品实例-蒸发器 Single product example - evaporator

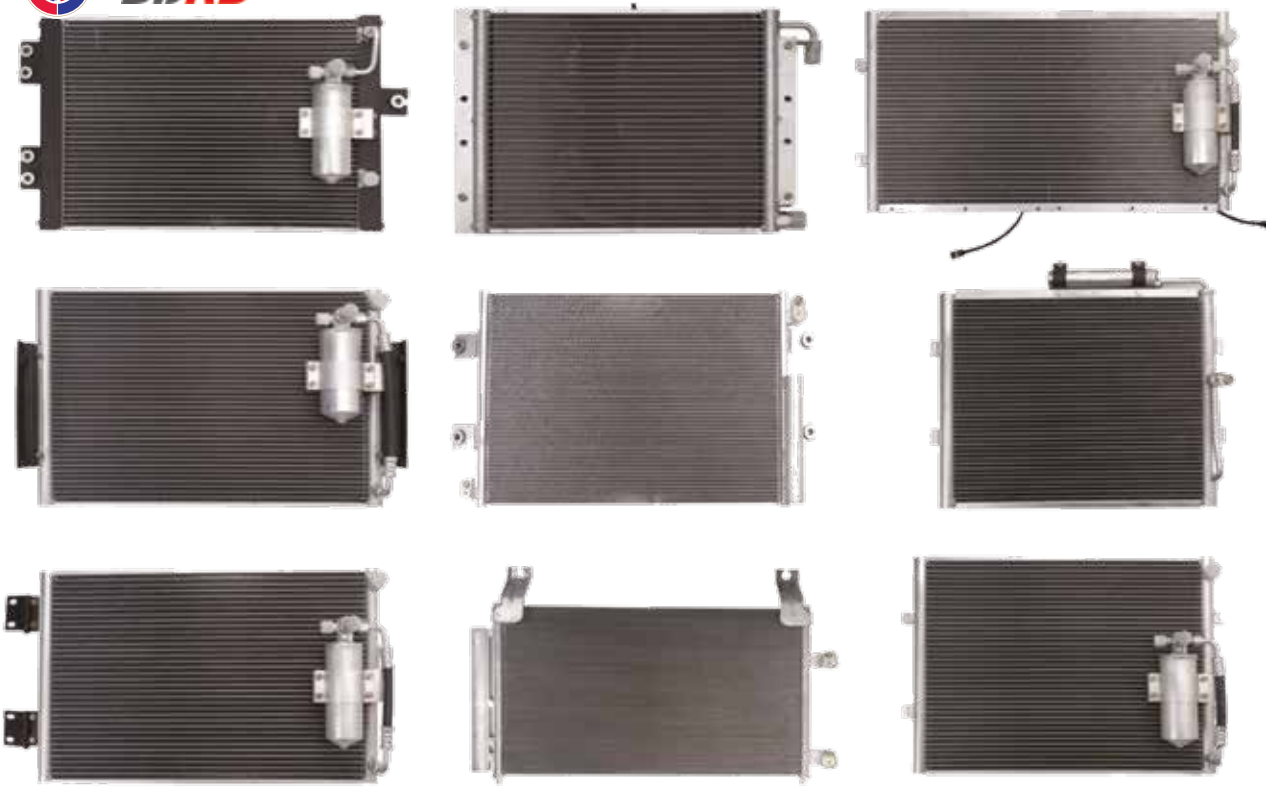


上述实例为蒸发器模块。它可以根据客户要求进行开发定制，能够实现单制冷功能、冷暖一体式，或者只有暖气功能。还可以根据客户需求开发定制，结合工作环境特点，您可以选择蒸发器的换热器芯体类型，例如铝合金材质的平行流式或者铜管穿管式。其尺寸大小以及出风方式均可以按照客户需求制作。

The above-mentioned instance is the evaporator module. It can be developed and customized in ac-cordance with customer requirements, and can achieve single cooling function, integrated cooling and he-ating, or only the heating function. It can also be developed and customized based on customer needs an-d in combination with the characteristics of the working environment. You are able to select the type of h-eat exchanger core of the evaporator, such as the parallel flow type made of aluminum alloy or the copper pipe threading type. Its size and air outlet mode can all be produced in accordance with customer require-ments.

单品实例-冷凝器产品 Single-item Example - Condenser Product





上述提到的实例是：冷凝器模块。它能够按照客户的要求进行开发和定制，它还能够基于客户的需求并结合工作环境的特点进行开发和定制。您能够选择冷凝器的换热器芯体类型，例如由铝合金制成的平行流式或者铜管穿管式。它的尺寸和出风方式都可以按照客户的要求来生产。

The example mentioned above is the condenser module. It can be developed and customized accor-ding to customer requirements. It can also be developed and customized based on customer needs and in combination with the characteristics of the working environment. You can choose the type of heat exc-hanger core of the condenser, such as the parallel flow type made of aluminum alloy or the copper tube piercing type. Its size and air outlet mode can be produced according to customer requirements.



们同时能够提供压缩机、汽车空调管路、汽车空调控制器、线束等产品的设计和制造服务。

We can simultaneously provide design and manufacturing services for products such as compressors, automotive air conditioning pipelines, automotive air conditioning controllers, and wiring harnesses.







关于售后服务：我司设有专业售后技术团队，和专职客服为客户受理售后问题以及提供远程技术支持，中国大陆境内大部分地区能够提供专业技术工程师现场技术支持服务，（偏远地区除外）。
About after-sales service: Our company has a professional after-sales technical team and a full-time custom -er service team to handle after-sales issues for customers and provide remote technical support. Professio -nal technical engineers can provide on-site technical support services in most areas of mainland China (except remote areas).

诚信 专注 拼搏 创新　Integrity, Focus, Hard Work, Innovation

山东康堡秉持着诚信、专注、拼搏、创新的企业精神与经营理念，凭借创新之力掌控核心技术，凭借优质的产品和服务，为客户缔造更为显著的价值，矢志成为一家深受社会尊崇、实现社会价值的企业！力求成为世界汽车空调领域的一流供应商。
Shandong Kangbao upholds the corporate spirit and business philosophy of integrity, focus, hard work and innovation, controls core technologies with the power of innovation, creates more significant value for cust -omers with high-quality products and services, and is determined to become a company deeply loved by the society. An enterprise that respects and realizes social value! Strive to become the world's first-class sup -plier in the field of automotive air conditioning.

我们服务的客户和品牌，包括切不限于以下品牌。(排名不分先后)
The clients and brands we serve include but are not limited to the following brands.(names not listed in order)

长安汽车　吉利汽车 GEELY AUTO　DEUTZ　YTO　LiuGong 柳工　五征集团 WUZHENG
XCMG　SHANMON 山东威猛　ZOOMLION　WEICHAI 潍柴
时风集团 SHIFENG GROUP　SDLG　JOHN DEERE　国机集团　YHMAC英虎
巨明 GIMIG　沃得农机 WORLD GROUP　勇猛机械　中国铁建 铁建重工　星光农机

SDKB
山东康堡

全球领先的非道路机械空调系统供应商
The world's leading supplier of air conditioning systems for non-road machinery







如果您对我们的产品和服务有任何需求或兴趣，请与我们的销售经理取得联系。 我们很高兴为您服务，并期待与您合作!

In the event that you have any specific requirements or demonstrated interests in our products and services, we earnestly request that you establish contact with our sales manager. We are deeply honored to be of service to you and keenly anticipate the opportunity for collaboration!

山东康堡汽车配件有限公司
Shandong Kangbao Auto Parts Co., Ltd.

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