

- Due to continuous improvement the contents may change without notice.  
The Company interpretation of the contents is final.
- Owing to ongoing technological updates and varying regional applicability,  
certain products in the series may not be available or suitable for use in all regions.  
For further details, please contact Veck.



WEBSITE



LINKEDIN

V2503

***Veck***  
***Air Conditioning***

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## Company Profile

# 1

VECK, founded in 2014 and headquartered in China, is a vibrant, energetic, passionate and imaginative young enterprise. Since its establishment, our sales have rapidly grown to 345 million USD by year 2023. We are committed to meeting customer needs by creating customized, intelligent, high-quality air conditioning products to provide an exceptional experience for our valuable customers.

After achieving remarkable success in the Chinese market, we are bravely penetrating the international market. VECK aspires to be a pioneering enterprise in the global air conditioning industry, integrating innovation, creativity, and international standards to offer unparalleled service and cutting-edge products to global customers.

In addition to our 4 factories and research and development facilities in China, our Jakarta factory symbolizes VECK's expansion into global manufacturing and services beyond China. We plan to establish our manufacturing and service networks in major global regions to provide more timely and efficient products and services to global users. VECK aims to tirelessly work towards creating a greener, smarter future.



## Corporate Culture

3

### Core value of Veck

Creating fortune and committed to enterprise development, employee prosperity, and social progress.

### Brand Positioning of Veck

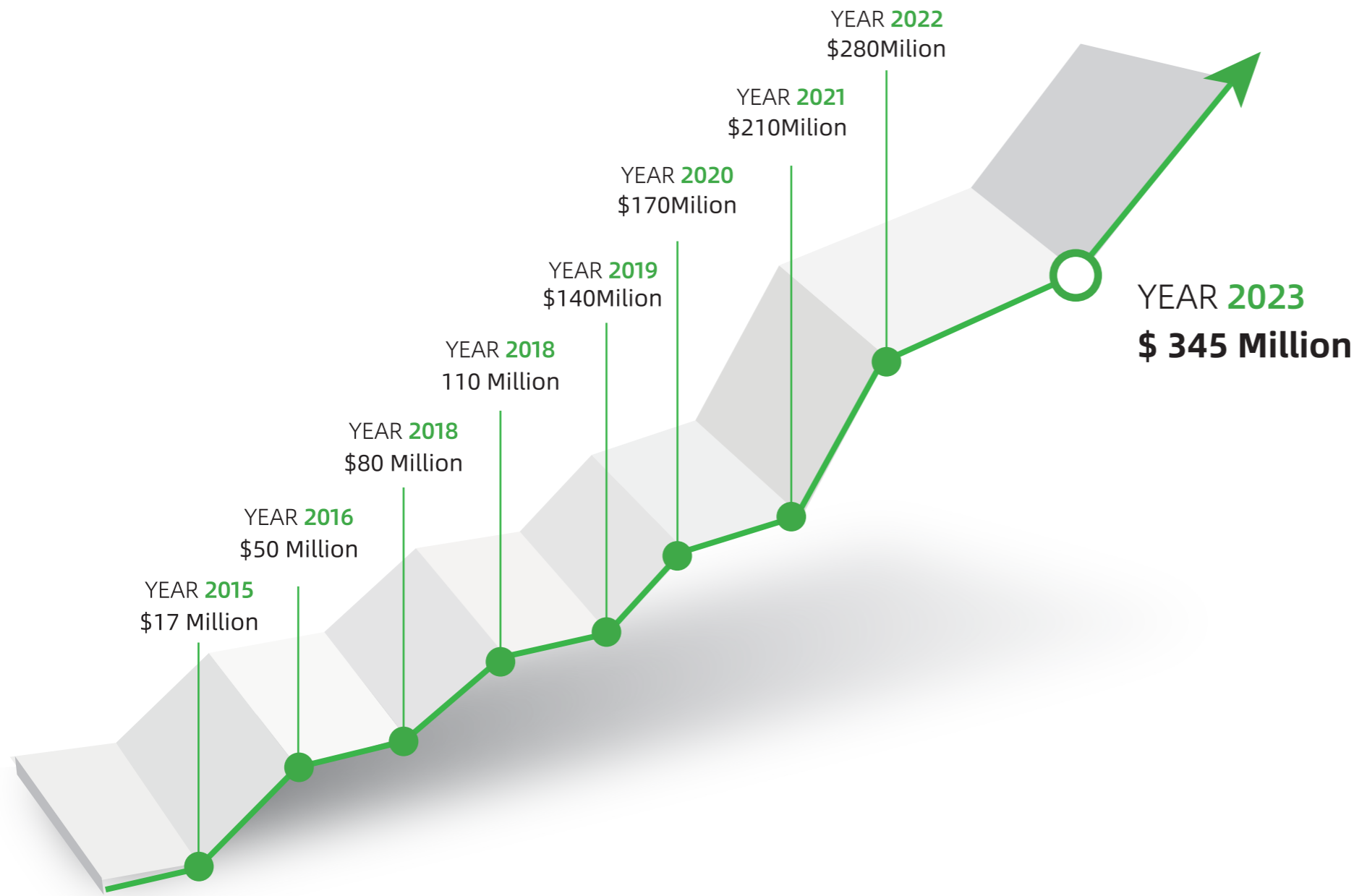
Be professional and be the best.

### Quality policy of Veck

To gain the trust and satisfaction of customers, with high-quality products and efficient services.



# Performance Growth



**VK Veck Air Conditioning**

Veck has been deeply engaged in the commercial central air conditioning industry for a long time, committed to improving air quality, leading industry development, promoting technological progress, and creating a comfortable environment.

**Lotus Technology Co., Ltd**

For many years, it has been dedicated to the research and manufacturing of humidifiers and control cabinets. The product quality is stable and reliable, and it performs particularly well in extreme weather.

**HJL Technology Co., Ltd**

HJL has been engaged in the development and improvement of intelligent cloud control platforms and intelligent design platforms, enhancing the intelligence level of manufacturing workshops with remarkable results.

**Qingchuan Heavy Industry Co., Ltd.**

Specializing in the research, development, design, manufacturing and sales of heat exchange equipment and shell and tube heat exchangers. It has a pressure vessel production license and ISO9001 quality system certification.

**Qingyu Air Conditioning Equipment Co., Ltd**

Tianjin Qingyu Air conditioning Equipment is mainly engaged in the R & D and production of VRF systems, and has an experienced R & D technical team and management team.

6

*Introduction  
to Group Members*

7

Global Manufacturing

ZHENJIANG · CHINA  
FOOTPRINT: **100,000m<sup>2</sup>**



TIANJIN · CHINA  
FOOTPRINT: **60,000m<sup>2</sup>**



CHEGNDU · CHINA  
FOOTPRINT: **20,000m<sup>2</sup>**



GUAGNZHOU · CHINA  
FOOTPRINT: **15977.71m<sup>2</sup>**



JAKARTA · INDONESIA  
FOOTPRINT: **4,000m<sup>2</sup>**



## 9

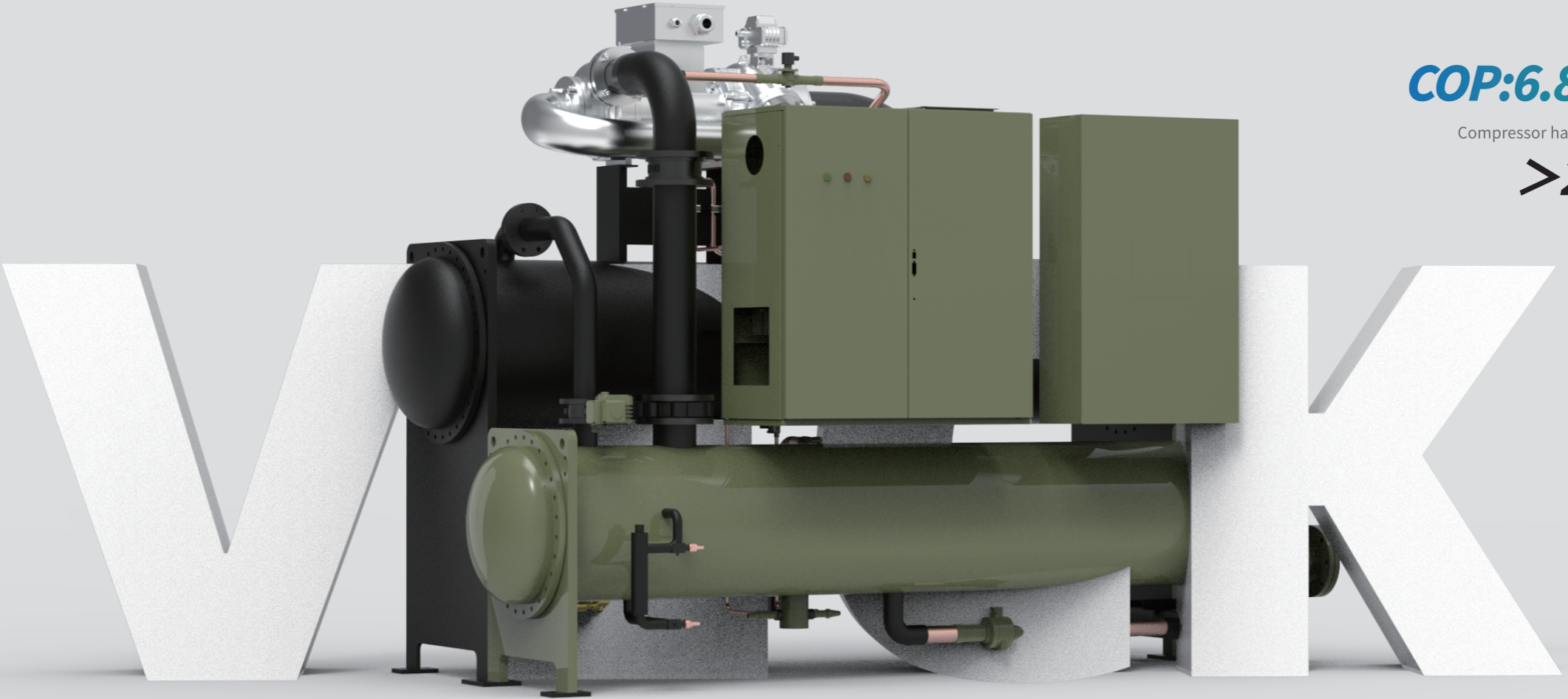
**Laboratory**

Experience performance validation of your unit- before shipment. Schedule an optional witness test in our testing facility before the unit ships to the jobsite. Veck's test facility is capable of evaluating the performance of your HVAC equipment- based on customer-defined parameters.

Veck utilizes a series of laboratories to ensure the quality of products.

- Air Cooled Unit Test Stand--Up to 1650kW
- Chiller Test Stand--Up to 1500Ton
- Psychrometric Lab--Up to 150kW, Ambient -25~60°C
- Semi-anechoic chamber--Background noise 7dB(A)





**COP:6.83 IPLV:10.01**

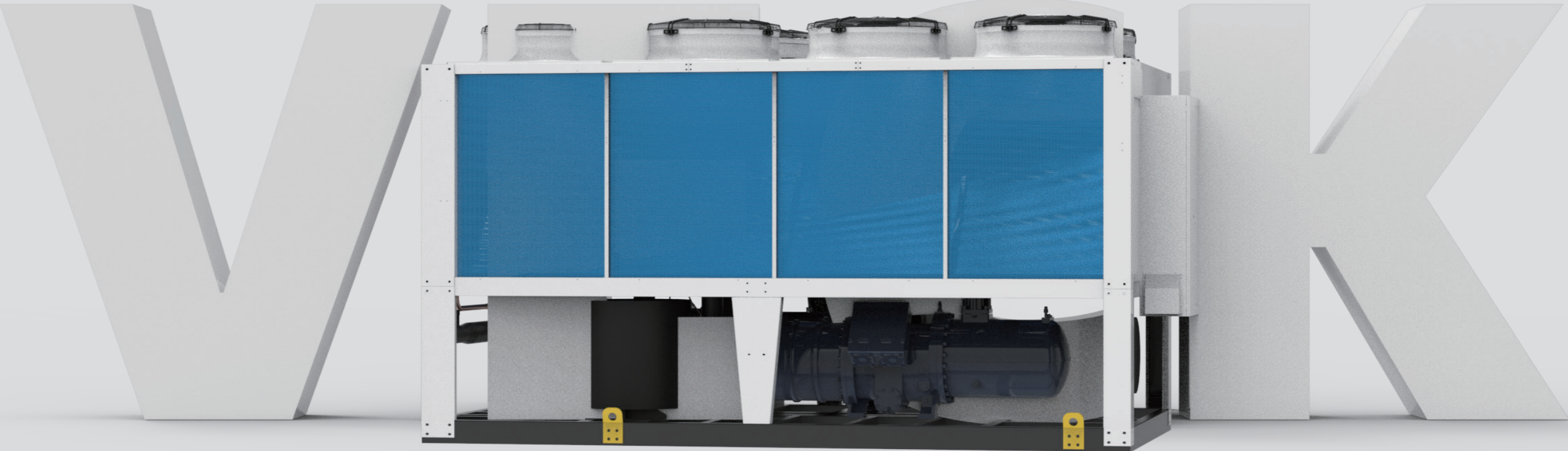
Compressor has passed durability tests and safely on-off

**>255,000 times**

# *Dynamic gas bearing* Water-cooled Centrifugal Chiller

The Veck centrifugal chiller is a cutting-edge chiller that utilizes a global leading dynamic pressure gas bearing technology. Thanks to the oil-free refrigerants system, the chiller has high efficiency with IPLV 10.01 and COP 6.83(kW/kW, China GB standard ).Refrigerant and control system is much simpler than conventional screw and magnetic bearing chillers, working stable and less maintenance work.

<b>VWCF</b>	<b>229-4396kW</b>	<b>R134a</b>
MODEL SERIES	COOLING CAPACITY	REFRIGERANT



# ***Air Cooled Chillers*** with Screw Compressor

Veck air cooled screw chiller systems include a wide range of commercial equipment and capacities. Our industrial chillers include advanced technologies for higher operating efficiency, optimization of part-load performance, greater flexibility and improved reliability in a smaller footprint.

**VASW(H)**  
MODEL SERIES

**328-1211kW**  
COOLING CAPACITY

**R134a**  
REFRIGERANT

# Water Cooled Chillers with Screw Compressor

The water - cooled chillers adopt high quality spare parts, high efficiency and optimally designed pressure vessels, high efficiency oil circuit systems and complete protection and control functions. These units can be widely used in various commercial buildings such as shopping malls, hotels, hospitals, office buildings, factories, and in process related application scenarios.



**WATER(GROUND) SOURCE HEAT PUMP**  
MODEL SERIES: **VHSF-BV**  
COOLING CAPACITY: **388-2176kW**

**WATER(GROUND) SOURCE HEAT PUMP**  
MODEL SERIES: **VHSF-B**  
COOLING CAPACITY: **390-1962kW**

**FIX SPEED SERIES**  
MODEL SERIES: **VWSF-C**  
COOLING CAPACITY: **373-2410kW**

**VARIABLE-SPEED, HIGH EFFICIENCY**  
MODEL SERIES: **VWCF-GV**  
COOLING CAPACITY: **356-2280kW**

**VARIABLE-SPEED, ULTRA-HIGH EFFICIENCY**  
MODEL SERIES: **VWCF-EV**  
COOLING CAPACITY: **391-1801kW**



# Integrated High-Efficiency Evaporative Water Chiller

The unit adopts an integrated structural design, integrating refrigerant components such as compressors, evaporators, and evaporative condensers, and is equipped with refrigeration hydraulic modules, water treatment systems, and control systems.

Integrated design and installation can reduce on-site engineering installation and are widely used in places such as shopping malls, hotels, hospitals, factories, etc

<b>VWSF-ZB</b> MODEL SERIES	<b>373-2410kW</b> COOLING CAPACITY	<b>R134a</b> REFRIGERANT
<b>VESF</b> MODEL SERIES	<b>271-2185kW</b> COOLING CAPACITY	<b>R134a</b> REFRIGERANT

# ***Air Cooled Chillers*** with Scroll Compressor

VECK air source heat pumps and liquid chillers are the best solution for commercial and industrial applications where installers, engineering and design departments and building owners require reduced installation costs, optimal performances and maximum quality.



## ***Cooling Solutions***

### **Cooling Only Series**

Minimalist design meets the needs of conventional buildings that only require cooling, efficient and economical.

### **Year Round Cooling Series**

Cooling normally and stably at an ambient temperature of -20 °C, meeting the commercial and industrial applications that still require cooling in winter.

### **Free Cooling**

In winter, it exchanges heat with outdoor air, and the compressor can obtain free cold source without turning on, which saves energy for the system.

### **High Temperature Cooling Series**

Maximum ambient temperature during cooling operation can reach 55°C.

## ***Heating Solutions***

### **Heat Pump Series**

Classic reversible heat pump design, cooling in summer and heating in winter, meeting the AC needs of general cold in winter and hot in summer areas.

### **Full Heat Recovery Series**

Integrating three functions: cooling, heating and domestic hot water. The hot water for summer cooling comes from free heat recovery. Suitable for commercial buildings such as hotels, restaurants with hot water needs.

### **Four-pipe Series**

During summer cooling, the unit recovers condensed waste heat for heating, while during winter, the unit heats separately. Suitable for summer with dehumidification and reheating system.

### **Low Temperature Heating Series**

By using an efficient EVI compressor, the unit can still generate strong heating at an ambient temperature of -30°C. Suitable for commercial buildings which need heating in low-temperature environment.

## ***Integration Solutions***

### **Integrated Chiller Station**

The unit has integrated hydraulic modules, water collection and distribution pipelines, and centralized control systems in the factory, completing 90% of the work that originally needed to be done on the construction site, greatly reducing construction costs.

### **Hydraulic modules**

Individually optional hydraulic module, convenient for customers to flexibly

### **Centralized energy management and intelligent control**

Real time monitoring in the cloud, making the system run more efficiently.

# Classic V

V-shaped heat exchange tubes, arranged tightly, occupy small space, and have good heat transfer performance.



VAXH/VAXW-NF  
COOLING CAPACITY:  
SINGLE MODULE:  
**65/130/260 kW**  
MODULE COMBINED:  
**65~3120 kW**



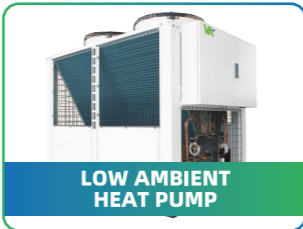
VAXW-MF  
COOLING CAPACITY:  
SINGLE MODULE:  
**65/130/260 kW**  
MODULE COMBINED:  
**65~3120 kW**



VAXH/VAXW  
COOLING CAPACITY:  
SINGLE MODULE:  
**220/330/440kW**  
MODULE COMBINED:  
**220~1320kW**



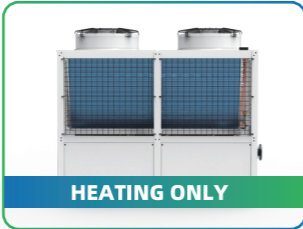
VAXW-FC  
COOLING CAPACITY:  
**66/130/260/220/330/440kW**  
MODULE COMBINED:  
**66~5280kW**



VAXH-L/H  
HEATING CAPACITY:  
SINGLE MODULE:  
**L SERIES:35/70/140 kW**  
**H SERIES:90/162kW**  
(Rated heating)



VAXH-EH/SH  
COOLING CAPACITY:  
SINGLE MODULE:  
**33kW**  
MODULE COMBINED:  
**33~975kW**



VAXH  
HEATING CAPACITY:  
SINGLE MODULE:  
**42/84 kW**  
MODULE COMBINED:  
**42~1260 kW**



VAXH-B (Cooling and Heating at same time)  
COOLING CAPACITY:  
SINGLE MODULE:  
**66/130/220/330/440kW**  
MODULE COMBINED:  
**66~5520kW**

# Leading U

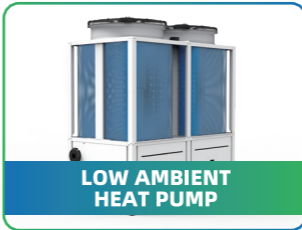
U-shaped heat exchanger has a simple structure, easy installation, easy operation, and convenient cleaning and maintenance.



VAVH/VAVW-A  
COOLING CAPACITY:  
SINGLE MODULE:  
**65/130 kW**  
MODULE COMBINED:  
**65~2080 kW**



VAXH/VAXW-H  
COOLING CAPACITY:  
SINGLE MODULE:  
**65/130 kW**  
16 MODULE COMBINED:  
**65~2080 kW**



VAXH/VAXW-G  
HEATING CAPACITY:  
SINGLE MODULE:  
**150/170/170 kW(Rated heating)**  
MODULE COMBINED:  
**150~2720 kW**

# Integrated chiller station

Integrating hydraulic modules, water collection and distribution pipelines, and centralized control systems in the factory, easy for installation.



VAES-N  
COOLING CAPACITY:  
SINGLE MODULE:  
**260/390/520 kW**  
MODULE COMBINED:  
**390~1560 kW**

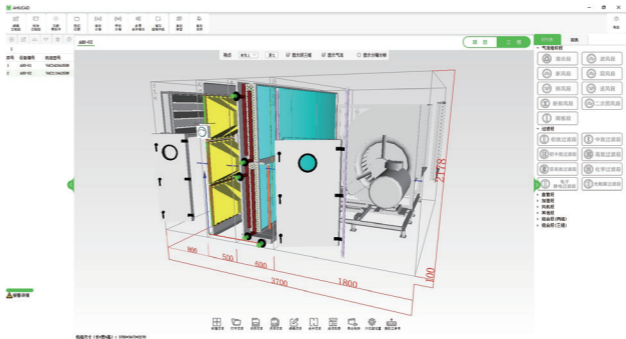
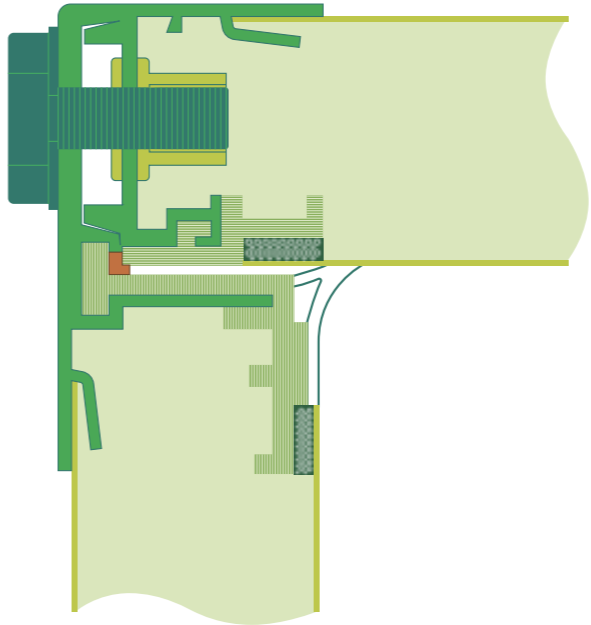
# Air Handling Unit

VECK as an expert of Air Handling Units, has decades of experience in implementing projects in various sectors. Our flexible, modular and energy efficient air handling units, up to 300,000 m3/h airflow with customised different sections sizes, are adapted to the specific needs of your processes and buildings.



# Features of the Unit

- Profile: Thermal-break Aluminum
- Double-walled Panel Thickness: 25mm/35mm/ 50mm
- Thermal and Acoustical Insulation: PU foam / Rockwool / Glass Wool
- Casing data (MB 50mm Vision) tested according to EN 1886:
  - » Mechanical casing strength: Class D1
  - » Casing leakage at -400 Pa: Class L1
  - » Casing leakage at +700 Pa: Class L1
  - » Filter bypass leakage: Class F9
  - » Heat transmission: Class T2
  - » Thermal bridging factor: Class TB1
- AHRI Certified Casing
- AHRI Certified Cooling and Heating Coils



# Selection software

Professional Selection Software helps us to provide the efficient solutions to different sector's customer.

# Air Handling Unit

VECK has designed different series of standard products for common commercial building air conditioning systems. Simplified user design and selection work, shortened supply cycle. No matter what type of commercial building, there is always a product that can meet your air conditioning needs.

# DX Air Handling Unit

VECK DX AHU, integrated with multiple control functions, simple and convenient installation, plug and play. Powerful lineup of IDU and ODU, with multiple options, suitable for medical and commercial buildings.



FLOOR STANDING TYPE

VAE  
Horizontal type  
AIR VOLUME:  
2000~55000 CMH



FLOOR STANDING TYPE

VAE  
Vertical jet  
AIR VOLUME:  
2000~55000 CMH



CEILING MOUNTED AHU

VAH  
Horizontal type  
AIR VOLUME:  
1000~15000 CMH



CUSTOMIZED MODULAR AIR HANDLING UNIT

VAC  
Horizontal type  
AIR VOLUME:  
2000~300000 CMH



HEAT RECOVERY UNIT

VAH-J  
TYPE:  
plate heat recovery type;  
intermediate heat medium  
heat recovery type;  
rotary heat recovery type



MEDICAL CLEAN

VAM  
Vertical compact  
AIR VOLUME:  
8000~10500 CMH



AIR COOLED ON/OFF TYPE DX UNIT

VAC-VAX  
Scroll Compressor  
REFRIGERANT: R410A  
100% fresh air  
/Return Air optional  
COOLING CAPACITY:  
7~928kW



AIR COOLED DC INVERTER TYPE DX UNIT

VAC-VAVM  
Scroll Compressor  
REFRIGERANT: R410A  
COOLING CAPACITY:  
11~226kW



WATER COOLED DX UNIT

VAC-VWX  
Scroll Compressor  
REFRIGERANT: R410A  
COOLING CAPACITY:  
26~222kW



DX DUCTED UNIT

VSD-YN  
DX TYPE  
COOLING CAPACITY:  
20~52.5kW



LARGE SPACE COOLING UNIT

VSD-YL  
Chilled Water  
/DX type optional  
AIR VOLUME RANGE:  
3000~10,000CMH



JET NOZZEL UNIT

VSD-YS  
DX TYPE  
COOLING CAPACITY:  
20~41kW

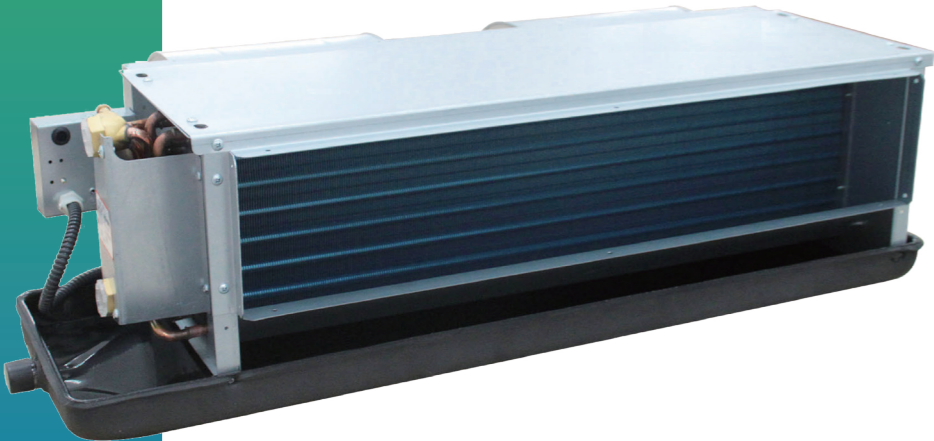


ROUND FLANGE UNIT

VDF-YF  
DX TYPE  
Mutil Flange optional  
COOLING CAPACITY:  
20~41kW

# Fan Coil Unit

Veck provide various types Fan Coil Units and perfectly to meet all air-conditioning requirements of work environments like offices, shops, restaurants and hotel rooms featuring ducted or exposed installations with available different outshape and technical data.



VFC  
**Low Profile optional**  
**3Row, 4Row, 4-pipe optional**  
**AC/DC Motor optional**



VFR  
**COOLING CAPACITY:**  
**3.1~11.2kW**



VFM  
**COOLING CAPACITY:**  
**3.8~58kW**  
**AC/EC Fan Optional**



VKM  
**COOLING CAPACITY:**  
**2~12kW**  
**Low Profile Optional**  
**Water Pump Optional**

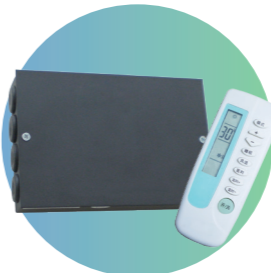


VC  
**COOLING CAPACITY:**  
**2~12.6kW**

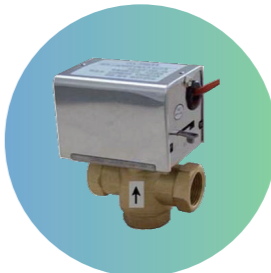
## Optional Parts



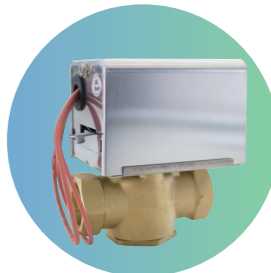
Thermostat



Thermostat



Motorized 3-way valve



Motorized 2-way valve

# Variable Refrigerant Flow System

Veck's outdoor unit provides heating and cooling for buildings by connecting with indoor units. It is suitable for a wide range of commercial applications by delivering optimal efficiency and performance.



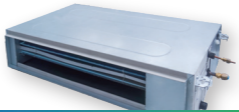
VMV  
MODEL SERIES

8~40HP  
SINGLE MODULE

8~160HP  
MODULE COMBINED

# Indoor Units

Veck's indoor units provide air conditioning solutions tailored to specific environments. Veck's indoor units offer opportunities to explore more powerful and efficient indoor applications for all business layouts.



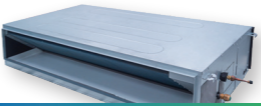
**LOW STATIC PRESSURE  
DUCT TYPE**

VMV-L  
**Ultra thin body with 200mm**  
COOLING CAPACITY:  
**1.6~16kW**



**ONE-WAY CASSETTE**

VMV-C1  
**Ultra large wide-angle air  
supply, increasing comfort  
range**  
COOLING CAPACITY:  
**1.8~5.6kW**




**MEDIUM STATIC PRESSURE  
DUCT TYPE**

VMV-M  
**ESP adjustable from 20-120Pa**  
COOLING CAPACITY:  
**5.6~16 kW**



**TWO-WAY CASSETTE**

VMV-C2  
**Suitable for narrow spaces**  
COOLING CAPACITY:  
**2.2~7.1 kW**



**HIGH STATIC PRESSURE  
DUCT TYPE**

VMV-H  
**Suitable for tall spaces such  
as supermarkets and lobbies**  
COOLING CAPACITY:  
**22.4~28kW**



**ROUND FLOW CASSETTE**

VMV-C8  
**360 ° surround air supply,  
more comfortable**  
COOLING CAPACITY:  
**2.8~16kW**



**FRESH AIR AIR  
HANDLING UNIT**

VMV-H  
**No need for separate  
ventilation equipment,  
achieving both fresh air and  
cooling/heating simultaneously**  
COOLING CAPACITY:  
**14~28kW**



**HEAT RECOVERY UNIT**

VAH-J  
**High heat recovery  
efficiency, convenient for  
centralized control**  
AIR VOLUME  
**80~600 m³/h**

# Dehumidifying Solution

Special processing processes such as pharmaceutical factories and lithium battery factories require a critical low-humidity environment. Veck provides a variety of dehumidifying solutions to ensure product quality and safety.

## Rotary Dehumidifier

- Single or Dual Rotor for different dew point solution
- All In One packag type design
- Chilled Water / DX cooling optional



VAC  
MODEL SERIES

-70~-20°C  
DEW POINT

# Package Unit Solution

Veck provides package units for a variety of applications: Rooftop packages for commercial and factory applications, Rooftop modular units for process customization, and mobile packages suitable for temporary building such as exhibition halls and tents.

T3/T1 condition or 50/60Hz  
OPTIONAL

5-30Ton  
COOLING CAPACITY



ROOFTOP PACKAGE



ROOFTOP MODULAR

Customized Function  
FUNCTION

5-30Ton  
COOLING CAPACITY

T3/T1 condition  
OPTIONAL

60Ton  
COOLING CAPACITY

Container design, easy for transportation and storage



MOBILE PACKAGE

# Data Centre Cooling Solution

The energy consumption of the data center is huge. Veck provides a variety of cooling solutions to help data center achieve the best PUE and WUE.

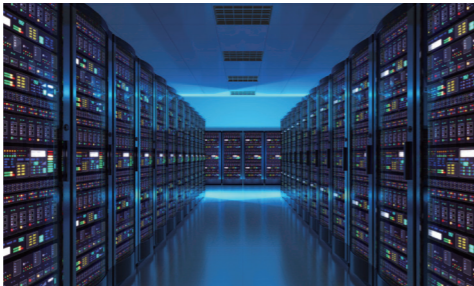
## Fan Wall Unit

Customized Function  
Cooling capacity: 100-800kW



## Dry Cooler

Adiabatic Cooling optional  
Cooling capacity: 100-1000kW



## CRAH/CRAC

Cooling capacity: 30-200kW



## Air-Cooled Chiller with Free Cooling

Cooling capacity: 200-1500kW



## Indirect Evaporative Cooling Unit

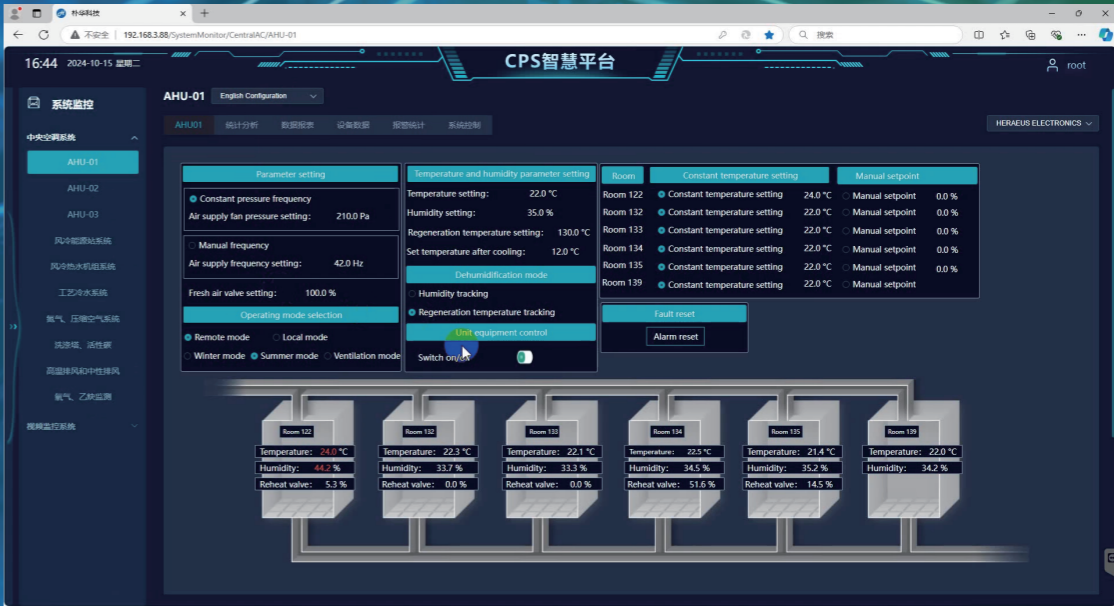
Cooling capacity: 200-600kW



# Cloud Platform System

Veck's cloud platform system co-ordinates the management of chiller and other equipment, provides users with intelligent management, reduces the energy consumption of the air conditioning system, and can obtain equipment data in real time and send alarm information to users in real time.

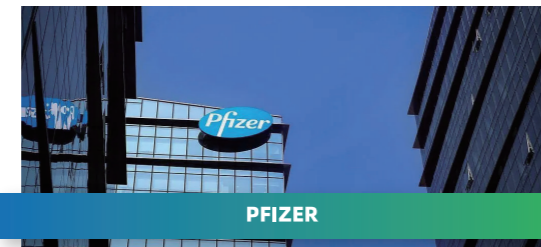
## System Interface



# Valued customer



PEKING UNION MEDICAL COLLEGE HOSPITAL



PFIZER



ASTRAZENECA



GOOGLE



TESLA



BEIJING DAXING INTERNATIONAL AIRPORT



CATL



KEMPINSKI



*The people's meeting hall*