VEICHI

# ACH200 Series
# High-voltage AC Drive


**VEICHI**

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*Version: Y6/2-03

# About Us

Veichi Electric (Stock Code: 688698) specializes in electrical transmission and industrial control, operating as an integrated high-tech enterprise in R&D, production, and sales of industrial automation products. With a vision to lead in smart industry and green energy solutions, the company leverages its R&D and manufacturing hubs in Suzhou, additional R&D centers in Shenzhen and Xi'an, and wholly-owned subsidiaries overseas, consistently serving customers worldwide with competitive and reliable solutions.

Under the "One Core, Two New Drivers" strategy, Veichi focuses on industrial automation, offering AC drives, servo systems, and control systems widely applied across heavy and light industries, as well as high-end equipment sectors, supporting the digital and intelligent transformation of manufacturing with its tailored solutions. Simultaneously, in two emerging fields, it provides one-stop solutions for humanoid, collaborative, and mobile robots in embodied intelligence, while in green energy, it delves into segments like photovoltaic, energy storage, and hydrogen energy, to "connect every device with green power," fostering a synergistic growth between core operations and new ventures.

Sustained R&D has yielded a portfolio of proprietary patented technologies including silicon carbide application, HF injection, motor controls and protections (auto-tuning, flying-start, high-speed flux-weakening, V/F control, vector control), high-density water-cooling layout, and IGBT drive protection. As of September 30, 2025, Veichi holds 234 patents, with 66 for invention.

Over two decades of steady growth, Veichi has earned numerous certifications and accolades from national and regulatory authorities, including "High-Tech Enterprise," "Postdoctoral Research Workstation," and provincial honors like "Engineering Technology Research Center," "Enterprise Technology Center," and "Industrial Internet Development Demonstration Enterprise (Benchmark Factory Category)."

Guided by its mission to "Drive Smart Industry, Co-create a Green Future," Veichi will continue to intensify R&D and advance into high-performance, high-reliability fields to propel global progress.

**2005**
- Start of business in Shenzhen
- First generation of AC drive launched

**2016**
- Suzhou VEICHI Phase I put into operation
- First-generation motion control system successfully launched

**2019**
- Restructured into a joint-stock company
- VEICHI overseas subsidiary established, marking the start of global expansion

**2020**
- Listed on the Science and Technology Innovation Board (STAR Market)
- Recognized as a provincial SRDI "Little Giant" enterprise

**2021**
- VEICHI-controlled subsidiary established, enhancing industrial chain integration
- Recognized as a SRDI "Little Giant" enterprise

**2022**
- Xi'an R&D Center established
- VEICHI Digital Energy subsidiary founded, digitalizing the green energy
- Integrated power solutions for humanoid/ collaborative/mobile robots launched, initiating deployment in the robotics sector

**2023**
- Suzhou VEICHI Phase II put into operation
- VEICHI Medical Equipment subsidiary established, expanding into the healthcare sector

**2024**
- Strategic acquisition of Changzhou Jiteng, entering the port and marine sector
- "One Core, Two New Drivers" development strategy adopted

**2025**
- Suzhou VEICHI Phase III digital production base put into operation
- Changzhou high-end electrical equipment production base topped out
- Jiujiang smart production base groundbreaking ceremony held





# Brief

ACH200 series products are the third generation of high-performance high-voltage vector-type AC drive made by Veichi Electric on years of technical accumulation and in-depth market research and demand analysis, which adopts mature power unit series technology, DSP+FPGA dual core control,vector control algorithm, to deliver high control accuracy, fast dynamic response, large low frequency output torque etc.
It is widely used in fans, pumps, compressors, belt machines, ball mills, crushers and other load occasions, providing the drive core for energy saving and emission reduction to meet the diversified needs of industrial enterprises.


**Metallurgy**
Sintering main exhaust fans, converter dedusting fans, blast furnace blowers, sulphur dioxide blowers, circulating coolers, combustion fans, slag flushing pumps, phosphorus removal pumps, etc,

**Electricity**
Water feeding pumps, condensate pumps, water circulating pumps, air feeders, induced draft fans, primary fans, secondary fans etc.

**Mines**
Main fans, gas extraction pumps, compressors, belt machines, ball mills, crushers, etc.

**Oil and Gas**
Oil transporting pumps, water injection pumps, compressors, other fans and pumps, etc.

**Chemistry**
Oil transporting pumps, water injection pumps, compressors, booster pumps, etc.

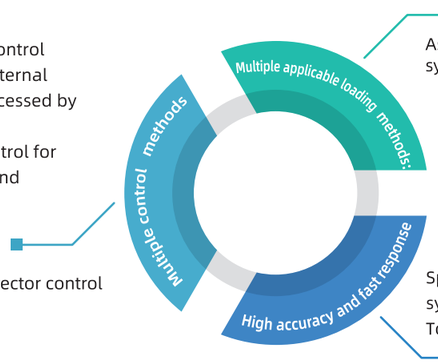
**Building Materials**
High-temperature fans at kiln end, exhaust fans at kiln head, coal mill fans, cement mill circulating fans, dust exhaust fans, ball mills, crushers, etc.

**Municipal administration**
Aeration blowers, water supply pumps, water feeding pumps, induced draft fans, air feeders, etc.

**Others**
Wind tunnel test fans, shore power supplies, internal mixers etc.

## High-performance control platform

- DSP+FPGA dual-chip control structure, control algorithms implemented by DSP, and external signals such as IO, bus and encoder processed by FPGA in parallel.
- High-speed and high-precision loop control for excellent dynamic response capability and control accuracy.




Asynchronous motor and synchronous motor

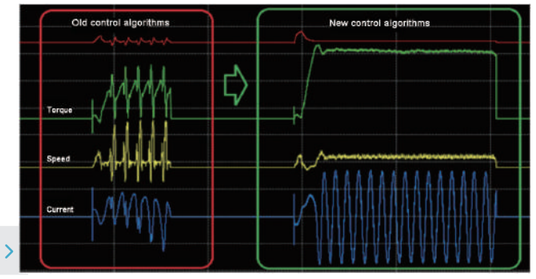
VF control, open/closed loop vector control

Speed accuracy: ±0.2% of rated synchronous speed
Torque response: ≤10ms

## Start with high torque and low frequency

SVC: 150% starting torque at 0.5Hz
FVC: 200% starting torque at 0Hz

200% of rated torque output at 0Hz for IPM motors by high frequency signal injection under SVC

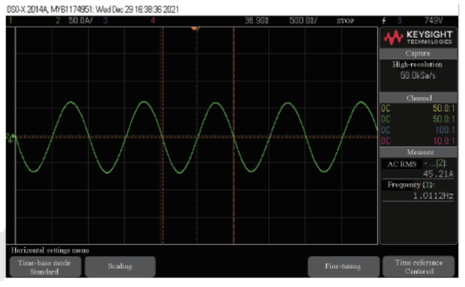



## Excellent low frequency control performance

**Dead-time compensation technology**
Sine current wave at low frequency

**Low-frequency oscillation suppression algorithm**
No motor resonance at low frequency

Current output waveform at 1Hz with load under vector control

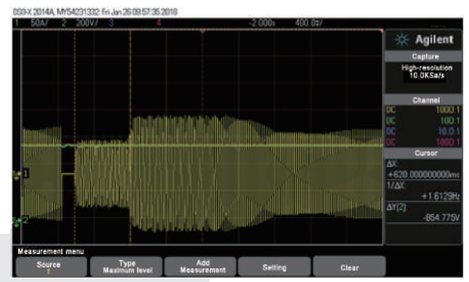



## Fly track startup for full frequency scale

Track rotational speed accurately regardless of motor status (forward running, reverse running or standby in still)

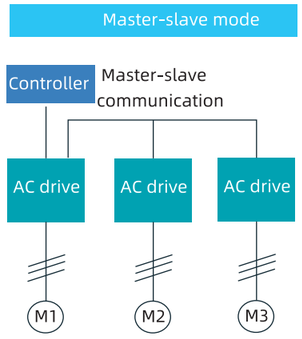
Fast response within 200ms from starting to target

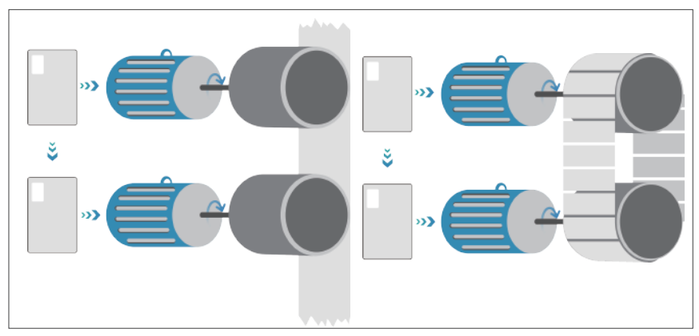
Large inertia equipment downtime remanent magnetization voltage is large, and when restarting, the corresponding amount and phase can be directly estimated to rotatory pre-excitation and then accelerate.




## Master-slave control technology

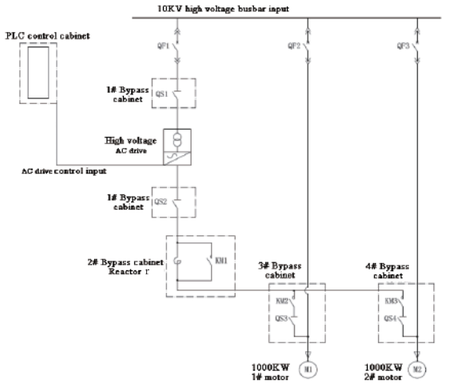
CAN or fiber optic communication are adopted to ensure real-time communication and output consistency among multiple machines regardless of mechanical load and fluid load.



## Advanced interfere-free switching technology

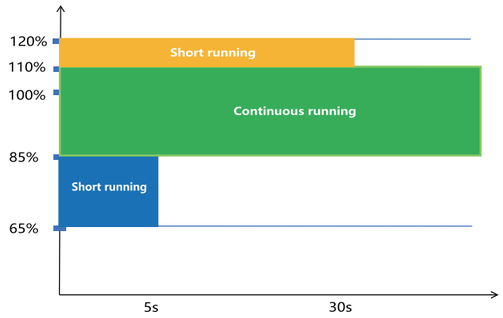
Phase-locked technology enables motor to start and run without interfere between industrial power and variable frequency, so it's suitable for switching between multiple pumps.
The impact current of the switching process does not exceed 1.5 times of the rated motor current.



## Ride-through design between low and high voltage

**High adaptability to power grid fluctuations**
85%-110% full-load output
65%-85% derating output
110%-120% derating output

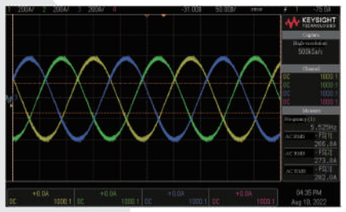
**Motor nonstop during instantaneous power cut**
No shutdowns during sudden power cut



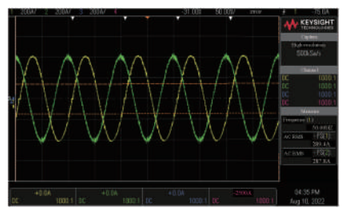

## Perfect harmonic-free design

**Multi-phase shift rectification technology on the input side**
Grid-side THD value smaller than 2%

**Multi-level technology on the output side**
Motor-side THD value smaller than 2%



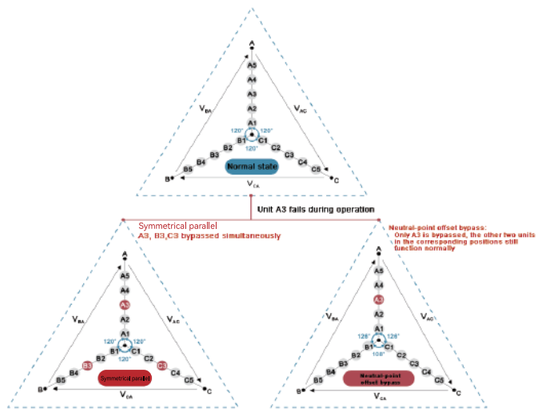
Harmonics to the motor <2% at rated load



Harmonics to the grid <2% at rated load

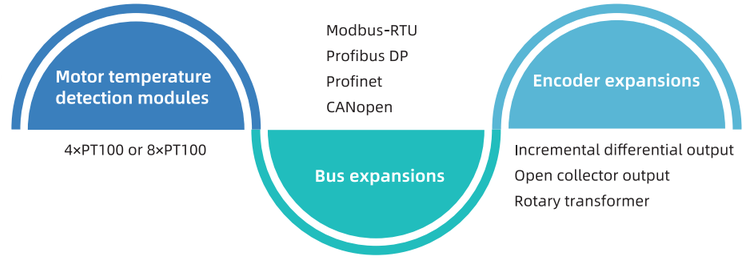
## Multiple unit bypass methods

Relay mechanical bypass featuring high reliability and long bypass time
Two types of bypass: symmetrical parallel and neutral point offset



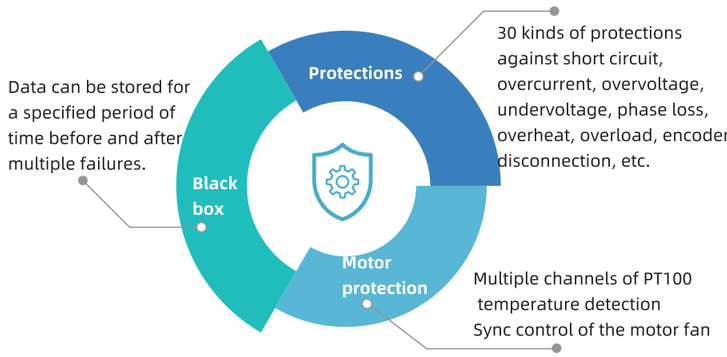

## Multiple expansions

Functional expansions according to actual requirements including motor temperature detection, bus, encoder, etc.



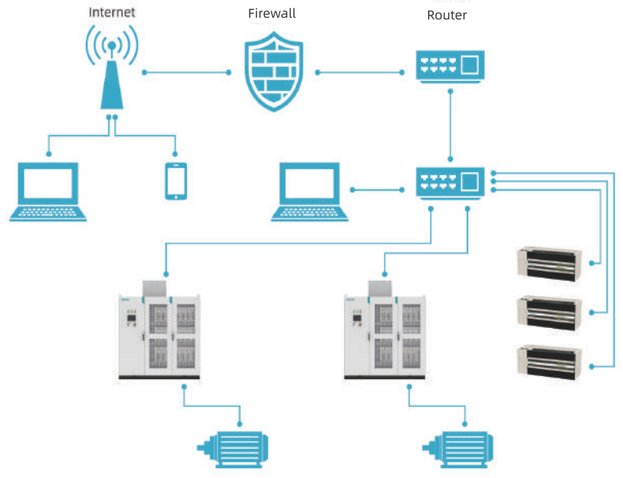

## Multiple and comprehensive protections

Multiple and precise trouble-shooting and protection means comprehensively reducing faults from the inlet, drive, and motor and quickly locating faults at occurrence




## Remote diagnosis

After being authorized by clients, Veichi staff can check fault records, system parameters and running data to locate faults quickly, improving processes and efficiency on the remote server via VPN.



## Name Rules

**ACH200 - G 10 - 0500 - D B L - XXXX**

**Product Series**
ACH200-series high-voltage AC drive

**Input Voltage**
D: 6kV
E: 6.6kV
G: 10kV
H: 11kV

**Output Voltage**
06: 6kV
66: 6.6kV
10: 10kV
11: 11kV

**Rated Capacity**
0500(500kVA)

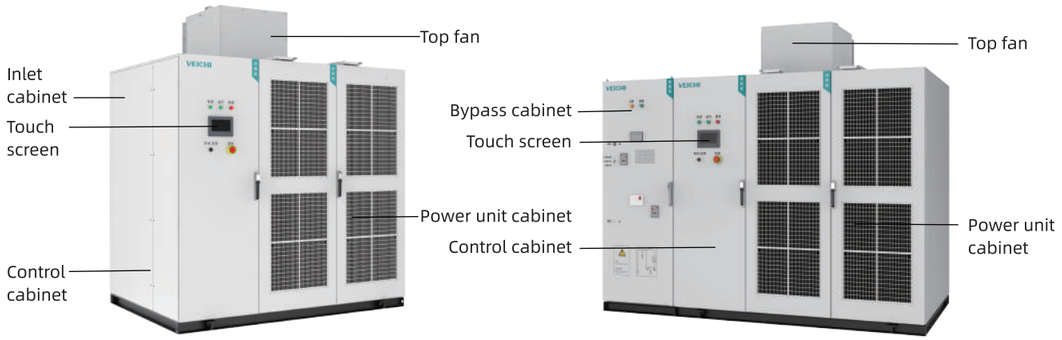
**Product Type**
D: Two-quadrant
R: Four-quadrant

**L: Bypass cabinet available**
Empty: Bypass cabinet unavailable

**B: Built-in mechanical bypass in power unit**
Empty: No built-in mechanical bypass in power unit

**Product Management No.**
Customized version

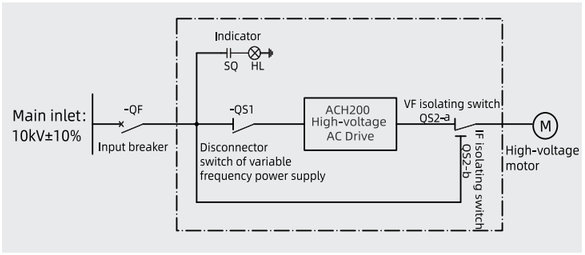
## Cabinet Structure




## Bypass Solutions

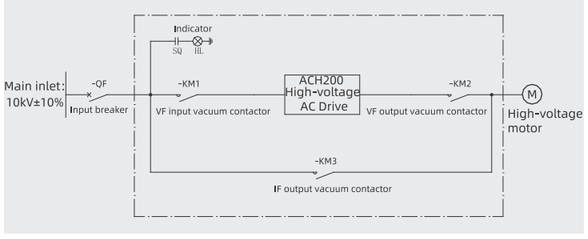
### One-drive-one-motor manual bypass

It consists of one high-voltage isolating switch QS1 and one SPDT(single-pole double-throw) isolating switch QS2 in strict accordance with the requirements of the "five-proof" interlocking requirements.
During variable frequency operation, QS2-b is open and QS1 and QS2-a are mechanically closed; during industrial frequency operation, QS1 and QS2-b are mechanically closed for safety.




### One-drive-one-motor auto bypass

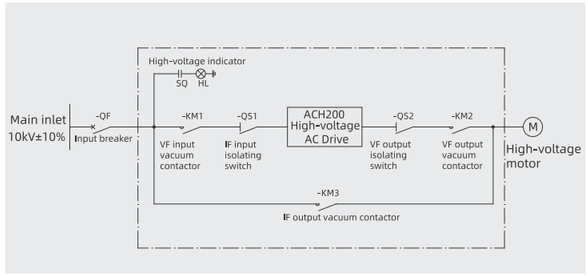
It consists of three high-voltage vacuum contactors KM1, KM2 and KM3. KM1 and KM2 are not allowed to close at the same time with KM3 to realize electrical interlock. During variable-frequency operation, KM1 and KM2 are closed and KM3 is open; during power frequency operation, KM3 is closed and KM1 and KM2 are open for safety.




Note:
IF: Industrial frequency; VF: Variable frequency

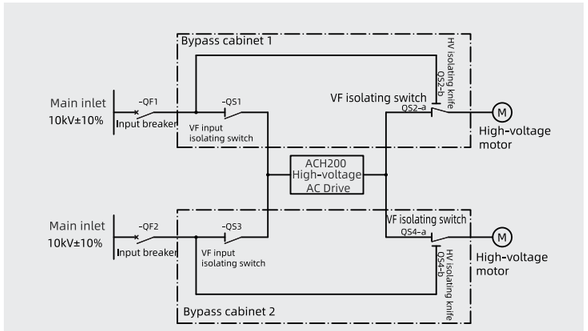
## One-drive-one-motor manual/auto bypass

It consists of three high-voltage vacuum contactors KM1,KM2,KM3 and two high-voltage isolating switch QS1,QS2. KM1,KM2 are not allowed to close at the same time with KM3 to realize electrical interlock. During variable frequency operation, KM1, QS1, KM2, and QS2 are closed, and KM3 is open; during industrial frequency operation, KM3 is closed, and KM1 and KM2 are open; During drive failures and overhaul, QS1 and QS2 are open in the circuit for safety.



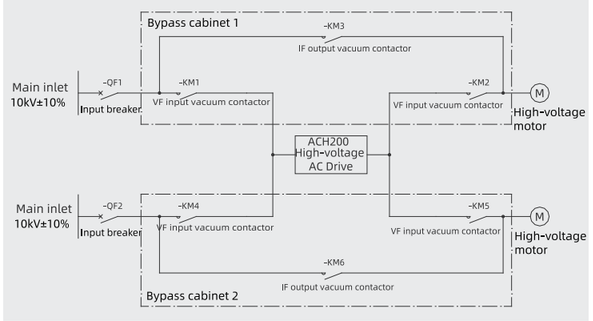

## One-drive-two-motor manual bypass

It consists of two one-drive-one-motor manual bypass cabinets, and both motors can be operated by variable frequency or industrial frequency. During operation, QS1 and QS3 are interlocked with each other, and QS2 and QS4 are interlocked with each other. During drive failures or overhaul, the high-voltage output isolating knife gate QS2-b and QS4-b are closed, and the high-voltage input isolating knife gate QS1 and QS3 are open to isolate the drive and enable the motor to run normally at industrial frequency.




## One-drive-two-motor auto bypass

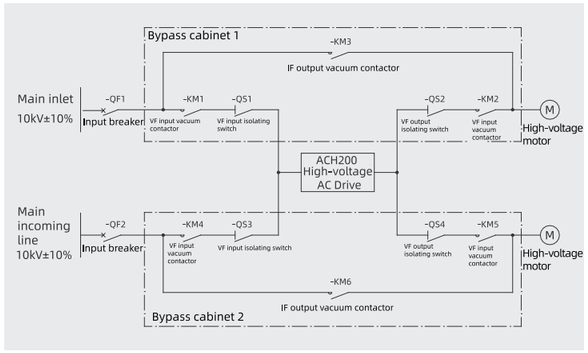
It consists of two one-drive-one-motor auto bypass cabinets, and both motors can be operated by variable frequency or industrial frequency. During operation, KM1/KM4, KM2/KM5, KM2/KM3 and KM5/KM6 are interlocked with each other for safety.




Note:IF: Industrial frequency; VF: Variable frequency

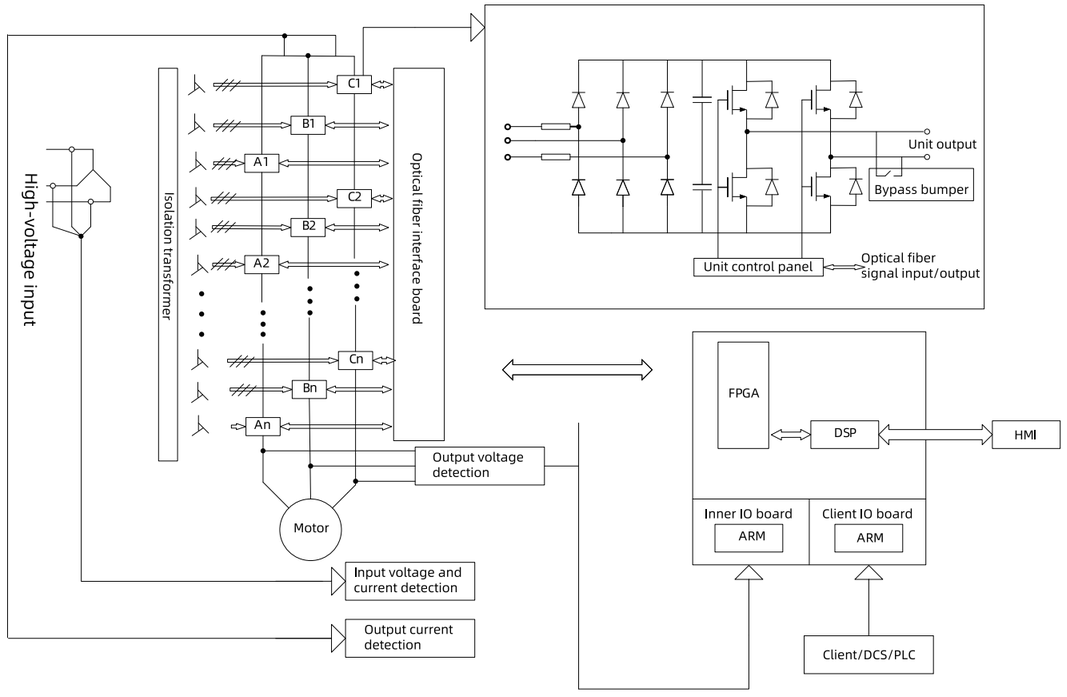
## One-drive-two-motor manual/auto bypass

It consists of two one-drive-one-motor auto bypass cabinets. During operation, KM1/KM4, KM2/KM5, KM1/KM2, KM3/KM4, and KM5/KM6. are electrically interlocked. During drive failures or overhaul, the isolating knife gate QS1, QS2, QS3, QS4 are open and KM3 or KM6 is closed for safety.

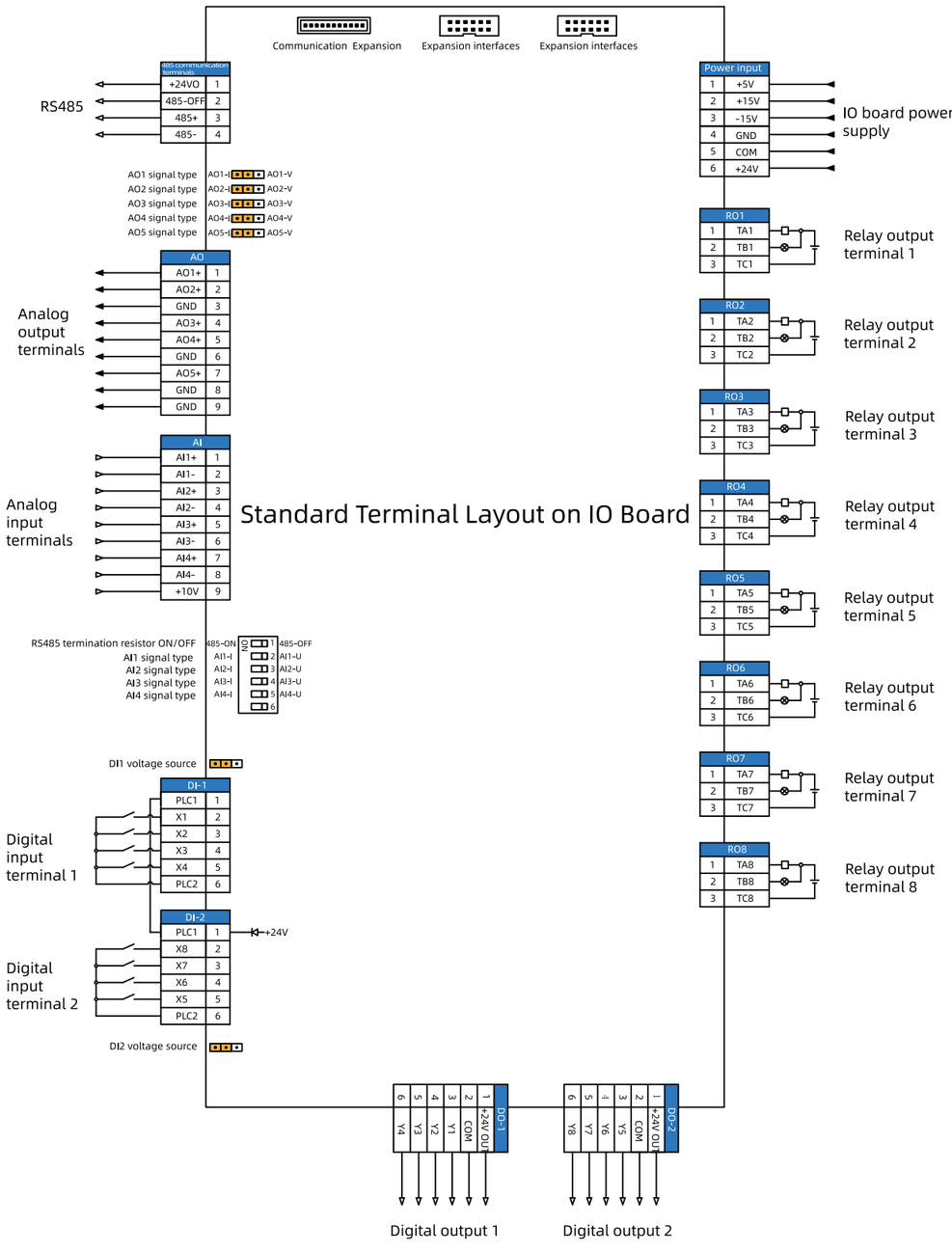



Note: IF: Industrial frequency; VF: Variable frequency

## System Topology



## Standard IO Interface



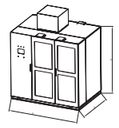
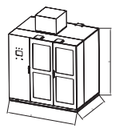

## Technical Parameters

| Item | | Specification |
|---|---|---|
| **Input** | Voltage level | 3kV/3.3kV/6kV/6.6kV/10kV/11kV |
| | Voltage fluctuation range | -15%~+10% |
| | Voltage frequency | 50/60Hz；±5% |
| | Power factor | ≥ 0.97（at full load） |
| | System efficiency | ≥ 96%（at full load） |
| | Current harmonics | ≤4% |
| **Output** | Voltage range | 0~rated input voltage |
| | Frequency range | 0Hz~120Hz(customizable) |
| | Current harmonics | ≤4% |
| **Control power** | Voltage range | Three-phase four-wire 380V，±10%，50/60Hz |
| | Rated capacity | ≥10kVA |
| **Control performance** | Control mode | V/F control; SFC, FVC |
| | Speed ratio | 1:50（VF）, 1:100（SVC）, 1:200（FVC） |
| | Speed control accuracy | ±1%（VF）, ±0.4%（SVC）, ±0.2%（FVC） |
| | Torque response time | ＜200ms（SVC），＜100ms（FVC） |
| | Starting torque | 150% rated torque at 0.5Hz (SVC) , 180% rated torque at 0Hz (FVC) |
| | Overload capacity | 120%: 60s |
| | Acceleration/deceleration time | 0s~3600s(customizable) |
| **User terminal** | DI | 8×DI, expandable and programmable, one for high-speed pulse(0Hz~50kHz) |
| | DO | 8×DO, expandable and programmable, one for high-speed pulse(0Hz~50kHz) |
| | RO | 8×RO, expandable and programmable |
| | AI | 4: -10V~+10V, 0mA~20mA |
| | AO | 5: 0V~+10V, 0mA~20mA |
| **Protection** | System protection | Overcurrent, overvoltage, undervoltage, motor overload, drive overload, phase loss, overheat, temperature controller failure, access control failure, communication failure, etc. |
| | Unit protection | Undervoltage, overvoltage, power supply, overheat, input phase failure, module failure, power supply failure, communication failure, bypass failure, etc. |
| **Others** | HMI | Touch screen |
| | Communication method | Modbus protocol (standard RS485 interface), CANopen, Profibus DP, Profinet and Ethernet optional |
| | Installation method | Cabinet installation |
| | Protection level | IP30 |
| | Noise level | ≤75dB |
| | In/Out Line Method | Bottom in and bottom out, other methods optional |
| | Cooling method | Forced air cooling |
| | Control power | AC 380V±10% |
| | MTBF | 50000h |
| | Ambient temperature | -5℃~+40℃, derate 1% of rated current for every 1 ℃ increase above 40 ℃, 50 ℃ max |
| | Ambient humidity | 5%~95%，no condensation |
| | Altitude Below | 1000m, derate 1% of rated current for every 100 increase above 1000m |
| | Storage environment | No dust, direct sunlight, combustible or corrosive gases, oil, water vapor and vibration |
| | Vibration range | <0.59g |

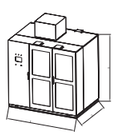
# Product Specification(Standard)

- ◆ The following dimensions and weight are just for reference, please see specific values in the technical agreement.
- ◆ The overall size does not include the height of the top fan, so it needs to be increased by 300mm-600mm, please see specific values in the technical agreement.
- ◆ The front distance from the wall/other equipment is recommended not less than 1500mm, and the back distance, 1000mm, the side distance, 800mm, the top distance, 1000mm.

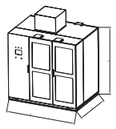
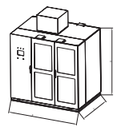
## 6KV

| Look | Model | Rated power(kW) | Rated capacity(kVA) | Rated current(A) | W*D*H(mm) | Weight(kg) |
|---|---|---|---|---|---|---|
|  | ACH200-D06-0400-D | 315 | 400 | 38 | 2100X1450X2000 | 1740 |
| | ACH200-D06-0450-D | 355 | 450 | 43 | 2100X1450X2000 | 1800 |
| | ACH200-D06-0500-D | 400 | 500 | 48 | 2100X1450X2000 | 1920 |
| | ACH200-D06-0560-D | 450 | 560 | 54 | 2100X1450X2000 | 1970 |
| | ACH200-D06-0630-D | 500 | 630 | 61 | 2100X1450X2000 | 2060 |
| | ACH200-D06-0710-D | 560 | 710 | 68 | 2100X1450X2000 | 2150 |
|  | ACH200-D06-0800-D | 630 | 800 | 77 | 2400X1450X2000 | 2200 |
| | ACH200-D06-0900-D | 710 | 900 | 87 | 2400X1450X2000 | 2320 |
| | ACH200-D06-1000-D | 800 | 1000 | 96 | 2400X1450X2000 | 2950 |
| | ACH200-D06-1120-D | 900 | 1120 | 108 | 2400X1450X2000 | 3010 |
| | ACH200-D06-1250-D | 1000 | 1250 | 120 | 2400X1450X2000 | 3100 |
| | ACH200-D06-1400-D | 1120 | 1400 | 135 | 2400X1450X2000 | 3310 |
| | ACH200-D06-1600-D | 1250 | 1600 | 154 | 4300X1450X2200 | 4170 |
| | ACH200-D06-1800-D | 1400 | 1800 | 173 | 4300X1450X2200 | 4250 |
| | ACH200-D06-2000-D | 1600 | 2000 | 192 | 4300X1450X2200 | 4330 |
| | ACH200-D06-2240-D | 1800 | 2240 | 216 | 4300X1450X2200 | 4410 |
| | ACH200-D06-2500-D | 2000 | 2500 | 241 | 4300X1450X2200 | 4490 |

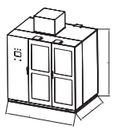
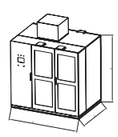
## 6.6KV

| Look | Model | Rated power(kW) | Rated capacity(kVA) | Rated current(A) | W*D*H(mm) | Weight(kg) |
|---|---|---|---|---|---|---|
|  | ACH200-E66-0400-D | 315 | 400 | 35 | 2100X1450X2000 | 1790 |
| | ACH200-E66-0450-D | 355 | 450 | 39 | 2100X1450X2000 | 1850 |
| | ACH200-E66-0500-D | 400 | 500 | 44 | 2100X1450X2000 | 1980 |
| | ACH200-E66-0560-D | 450 | 560 | 49 | 2100X1450X2000 | 2090 |
| | ACH200-E66-0630-D | 500 | 630 | 55 | 2100X1450X2000 | 2120 |
| | ACH200-E66-0710-D | 560 | 710 | 62 | 2100X1450X2000 | 2210 |
| | ACH200-E66-0800-D | 630 | 800 | 70 | 2100×1450×2000 | 2260 |
|  | ACH200-E66-0900-D | 710 | 900 | 79 | 2400X1450X2000 | 2390 |
| | ACH200-E66-1000-D | 800 | 1000 | 87 | 2400X1450X2000 | 2480 |
| | ACH200-E66-1120-D | 900 | 1120 | 98 | 2400X1450X2000 | 3030 |
| | ACH200-E66-1250-D | 1000 | 1250 | 109 | 2400X1450X2000 | 3160 |
| | ACH200-E66-1400-D | 1120 | 1400 | 122 | 2400X1450X2000 | 3400 |
| | ACH200-E66-1600-D | 1250 | 1600 | 140 | 2400X1450X2000 | 3550 |
| | ACH200-E66-1800-D | 1400 | 1800 | 157 | 4300X1450X2200 | 4780 |
| | ACH200-E66-2000-D | 1600 | 2000 | 175 | 4300X1450X2200 | 4900 |
| | ACH200-E66-2240-D | 1800 | 2240 | 196 | 4300X1450X2200 | 5020 |
| | ACH200-E66-2500-D | 2000 | 2500 | 219 | 4300X1450X2200 | 5140 |

## 10KV

| Look | Model | Rated power(kW) | Rated capacity(kVA) | Rated current(A) | W*D*H(mm) | Weight(kg) |
|---|---|---|---|---|---|---|
|  | ACH200-G10-0500-D | 400 | 500 | 29 | 2100X1450X2000 | 2270 |
| | ACH200-G10-0560-D | 450 | 560 | 32 | 2100X1450X2000 | 2320 |
| | ACH200-G10-0630-D | 500 | 630 | 36 | 2100X1450X2000 | 2370 |
| | ACH200-G10-0710-D | 560 | 710 | 40 | 2100X1450X2000 | 2420 |
| | ACH200-G10-0800-D | 630 | 800 | 46 | 2100X1450X2000 | 2520 |
| | ACH200-G10-0900-D | 710 | 900 | 52 | 2100X1450X2000 | 2570 |
| | ACH200-G10-1000-D | 800 | 1000 | 58 | 2100X1450X2000 | 2620 |
| | ACH200-G10-1120-D | 900 | 1120 | 65 | 2100X1450X2000 | 2770 |
| | ACH200-G10-1250-D | 1000 | 1250 | 72 | 2100X1450X2000 | 2820 |
|  | ACH200-G10-1400-D | 1120 | 1400 | 81 | 2400X1450X2000 | 3420 |
| | ACH200-G10-1600-D | 1250 | 1600 | 92 | 2400X1450X2000 | 3620 |
| | ACH200-G10-1800-D | 1400 | 1800 | 100 | 2400X1450X2000 | 3770 |
| | ACH200-G10-2000-D | 1600 | 2000 | 115 | 2400X1450X2000 | 3920 |
| | ACH200-G10-2240-D | 1800 | 2240 | 129 | 2400X1450X2000 | 4170 |
| | ACH200-G10-2500-D | 2000 | 2500 | 144 | 2400X1450X2000 | 4370 |
| | ACH200-G10-2800-D | 2240 | 2800 | 162 | 4900x1600x2200 | 5300 |
| | ACH200-G10-3150-D | 2500 | 3150 | 182 | 4900x1600x2200 | 6500 |
| | ACH200-G10-3550-D | 2800 | 3550 | 205 | 4900x1600x2200 | 7150 |
| | ACH200-G10-4000-D | 3150 | 4000 | 231 | 4900x1600x2200 | 7800 |
| | ACH200-G10-4500-D | 3550 | 4500 | 260 | 4900x1600x2200 | 8900 |
| | ACH200-G10-5000-D | 4000 | 5000 | 289 | 4900x1600x2200 | 10500 |

## 11KV

| Look | Model | Rated power(kW) | Rated capacity(kVA) | Rated current(A) | W*D*H(mm) | Weight(kg) |
|---|---|---|---|---|---|---|
|  | ACH200-H11-0500-D | 400 | 500 | 26 | 2100X1450X2000 | 2330 |
| | ACH200-H11-0560-D | 450 | 560 | 29 | 2100X1450X2000 | 2390 |
| | ACH200-H11-0630-D | 500 | 630 | 33 | 2100X1450X2000 | 2440 |
| | ACH200-H11-0710-D | 560 | 710 | 37 | 2100X1450X2000 | 2500 |
| | ACH200-H11-0800-D | 630 | 800 | 42 | 2100X1450X2000 | 2600 |
| | ACH200-H11-0900-D | 710 | 900 | 47 | 2100X1450X2000 | 2650 |
| | ACH200-H11-1000-D | 800 | 1000 | 52 | 2100X1450X2000 | 2700 |
| | ACH200-H11-1120-D | 900 | 1120 | 59 | 2100X1450X2000 | 2850 |
| | ACH200-H11-1250-D | 1000 | 1250 | 66 | 2100X1450X2000 | 2900 |
|  | ACH200-H11-1400-D | 1120 | 1400 | 73 | 2400X1450X2000 | 3520 |
| | ACH200-H11-1600-D | 1250 | 1600 | 84 | 2400X1450X2000 | 3720 |
| | ACH200-H11-1800-D | 1400 | 1800 | 94 | 2400X1450X2000 | 3880 |
| | ACH200-H11-2000-D | 1600 | 2000 | 105 | 2400X1450X2000 | 4000 |
| | ACH200-H11-2240-D | 1800 | 2240 | 118 | 2400X1450X2000 | 4300 |
| | ACH200-H11-2500-D | 2000 | 2500 | 131 | 2400X1450X2000 | 4500 |
| | ACH200-H11-2800-D | 2240 | 2800 | 147 | 4900x1600x2200 | 6830 |
| | ACH200-H11-3150-D | 2500 | 3150 | 165 | 4900x1600x2200 | 7630 |
| | ACH200-H11-3550-D | 2800 | 3550 | 186 | 4900x1600x2200 | 8830 |
| | ACH200-H11-4000-D | 3150 | 4000 | 210 | 4900x1600x2200 | 10330 |
| | ACH200-H11-4500-D | 3550 | 4500 | 236 | 4900x1600x2200 | 11830 |
| | ACH200-H11-5000-D | 4000 | 5000 | 262 | 4900x1600x2200 | 13330 |

# Product Specification (with Bypass Cabinet)

- ◆ The following dimensions and weight are just for reference, please see specific values in the technical agreement.
- ◆ The overall size does not include the height of the top fan, so it needs to be increased by 300mm-600mm, please see specific values in the technical agreement.
- ◆ The front distance from the wall/other equipment is recommended not less than 1500mm, and the back distance, 1000mm, the side distance, 800mm, the top distance, 1000mm.

## 6KV

| Look | Model | Rated power (kW) | Rated current (A) | Dimension W*D*H(mm) | One-drive-one-motor manual bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
|  | ACH200-D06-0400-D | 315 | 38 | 400 | 2800X1450X2000 | 2340 | 2800X1450X2000 | 2440 | 3300X1450X2000 | 2640 |
| | ACH200-D06-0450-D | 355 | 43 | 450 | 2800X1450X2000 | 2400 | 2800X1450X2000 | 2500 | 3300X1450X2000 | 2700 |
| | ACH200-D06-0500-D | 400 | 48 | 500 | 2800X1450X2000 | 2520 | 2800X1450X2000 | 2620 | 3300X1450X2000 | 2820 |
| | ACH200-D06-0560-D | 450 | 54 | 560 | 2800X1450X2000 | 2570 | 2800X1450X2000 | 2670 | 3300X1450X2000 | 2870 |
| | ACH200-D06-0630-D | 500 | 61 | 630 | 2800X1450X2000 | 2660 | 2800X1450X2000 | 2760 | 3300X1450X2000 | 2960 |
| | ACH200-D06-0710-D | 560 | 68 | 710 | 2800X1450X2000 | 2750 | 2800X1450X2000 | 2850 | 3300X1450X2000 | 3050 |
|  | ACH200-D06-0800-D | 630 | 77 | 800 | 3100X1450X2000 | 2800 | 3100X1450X2000 | 2900 | 3600X1450X2000 | 3100 |
| | ACH200-D06-0900-D | 710 | 87 | 900 | 3100X1450X2000 | 2920 | 3100X1450X2000 | 3020 | 3600X1450X2000 | 3220 |
| | ACH200-D06-1000-D | 800 | 96 | 1000 | 3100X1450X2000 | 3010 | 3100X1450X2000 | 3110 | 3600X1450X2000 | 3310 |
| | ACH200-D06-1120-D | 900 | 108 | 1120 | 3100X1450X2000 | 3550 | 3100X1450X2000 | 3650 | 3600X1450X2000 | 3850 |
| | ACH200-D06-1250-D | 1000 | 120 | 1250 | 3100X1450X2000 | 3700 | 3100X1450X2000 | 3700 | 3600X1450X2000 | 4000 |
| | ACH200-D06-1400-D | 1120 | 135 | 1400 | 3100X1450X2000 | 3910 | 3100X1450X2000 | 4010 | 3600X1450X2000 | 4210 |
| | ACH200-D06-1600-D | 1250 | 154 | 1600 | 4300X1450X2200 | 4030 | 4300X1450X2200 | 5030 | 4800X1450X2200 | 5130 |
| | ACH200-D06-1800-D | 1400 | 173 | 1800 | 4300X1450X2200 | 4910 | 4300X1450X2200 | 5110 | 4800X1450X2200 | 5210 |
| | ACH200-D06-2000-D | 1600 | 192 | 2000 | 4300X1450X2200 | 4990 | 4300X1450X2200 | 5190 | 4800X1450X2200 | 5290 |
| | ACH200-D06-2240-D | 1800 | 216 | 2240 | 4300X1450X2200 | 5070 | 4300X1450X2200 | 5270 | 4800X1450X2200 | 5370 |
| | ACH200-D06-2500-D | 2000 | 241 | 2500 | 4300X1450X2200 | 5150 | 4300X1450X2200 | 5350 | 4800X1450X2200 | 5450 |

## 6.6KV

| Look | Model | Rated power (kW) | Rated current (A) | Dimension W*D*H(mm) | One-drive-one-motor manual bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
|  | ACH200-E66-0400-D | 315 | 35 | 400 | 2800X1450X2000 | 2390 | 2800X1450X2000 | 2490 | 3300X1450X2000 | 2690 |
| | ACH200-E66-0450-D | 355 | 39 | 450 | 2800X1450X2000 | 2450 | 2800X1450X2000 | 2550 | 3300X1450X2000 | 2750 |
| | ACH200-E66-0500-D | 400 | 44 | 500 | 2800X1450X2000 | 2580 | 2800X1450X2000 | 2680 | 3300X1450X2000 | 2880 |
| | ACH200-E66-0560-D | 450 | 49 | 560 | 2800X1450X2000 | 2690 | 2800X1450X2000 | 2790 | 3300X1450X2000 | 2990 |
| | ACH200-E66-0630-D | 500 | 55 | 630 | 2800X1450X2000 | 2720 | 2800X1450X2000 | 2820 | 3300X1450X2000 | 3010 |
| | ACH200-E66-0710-D | 560 | 62 | 710 | 2800X1450X2000 | 2810 | 2800X1450X2000 | 2910 | 3300X1450X2000 | 3050 |
| | ACH200-E66-0800-D | 630 | 70 | 800 | 2800X1450X2000 | 2860 | 2800X1450X2000 | 2960 | 3300X1450X2000 | 3160 |
|  | ACH200-E66-0900-D | 710 | 79 | 900 | 3100X1450X2000 | 2990 | 3100X1450X2000 | 3090 | 3600X1450X2000 | 3290 |
| | ACH200-E66-1000-D | 800 | 87 | 1000 | 3100X1450X2000 | 3080 | 3100X1450X2000 | 3180 | 3600X1450X2000 | 3380 |
| | ACH200-E66-1120-D | 900 | 98 | 1120 | 3100X1450X2000 | 3630 | 3100X1450X2000 | 3730 | 3600X1450X2000 | 3930 |
| | ACH200-E66-1250-D | 1000 | 109 | 1250 | 3100X1450X2000 | 3760 | 3100X1450X2000 | 3860 | 3600X1450X2000 | 4060 |
| | ACH200-E66-1400-D | 1120 | 122 | 1400 | 3100X1450X2000 | 4000 | 3100X1450X2000 | 4100 | 3600X1450X2000 | 4300 |
| | ACH200-E66-1600-D | 1250 | 140 | 1600 | 3100X1450X2000 | 4150 | 3100X1450X2000 | 4250 | 3600X1450X2000 | 4450 |
| | ACH200-E66-1800-D | 1400 | 157 | 1800 | 4300X1450X2200 | 5440 | 4300X1450X2200 | 5540 | 4800X1450X2200 | 5740 |
| | ACH200-E66-2000-D | 1600 | 175 | 2000 | 4300X1450X2200 | 5560 | 4300X1450X2200 | 5660 | 4800X1450X2200 | 5860 |
| | ACH200-E66-2240-D | 1800 | 196 | 2240 | 4300X1450X2200 | 5680 | 4300X1450X2200 | 5780 | 4800X1450X2200 | 5980 |
| | ACH200-E66-2500-D | 2000 | 219 | 2500 | 4300X1450X2200 | 5800 | 4300X1450X2200 | 5900 | 4800X1450X2200 | 6100 |

## 10KV

| Look | Model | Rated power (kW) | Rated current (A) | Dimension W*D*H(mm) | One-drive-one-motor manual bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
|  | ACH200-G10-0500-D | 400 | 29 | 500 | 2800X1450X2000 | 2870 | 2800X1450X2000 | 2970 | 3300X1450X2000 | 3170 |
| | ACH200-G10-0560-D | 450 | 32 | 560 | 2800X1450X2000 | 2920 | 2800X1450X2000 | 3020 | 3300X1450X2000 | 3220 |
| | ACH200-G10-0630-D | 500 | 36 | 630 | 2800X1450X2000 | 2970 | 2800X1450X2000 | 3070 | 3300X1450X2000 | 3270 |
| | ACH200-G10-0710-D | 560 | 40 | 710 | 2800X1450X2000 | 3020 | 2800X1450X2000 | 3120 | 3300X1450X2000 | 3320 |
| | ACH200-G10-0800-D | 630 | 46 | 800 | 2800X1450X2000 | 3120 | 2800X1450X2000 | 3220 | 3300X1450X2000 | 3420 |
| | ACH200-G10-0900-D | 710 | 52 | 900 | 2800X1450X2000 | 3170 | 2800X1450X2000 | 3270 | 3300X1450X2000 | 3470 |
| | ACH200-G10-1000-D | 800 | 58 | 1000 | 2800X1450X2000 | 3220 | 2800X1450X2000 | 3320 | 3300X1450X2000 | 3520 |
| | ACH200-G10-1120-D | 900 | 65 | 1120 | 2800X1450X2000 | 3370 | 2800X1450X2000 | 3470 | 3300X1450X2000 | 3670 |
| | ACH200-G10-1250-D | 1000 | 72 | 1250 | 2800X1450X2000 | 3420 | 2800X1450X2000 | 3520 | 3300X1450X2000 | 3720 |
|  | ACH200-G10-1400-D | 1120 | 81 | 1400 | 3100X1450X2000 | 4020 | 3100X1450X2000 | 4120 | 3600X1450X2000 | 4320 |
| | ACH200-G10-1600-D | 1250 | 92 | 1600 | 3100X1450X2000 | 4220 | 3100X1450X2000 | 4320 | 3600X1450X2000 | 4520 |
| | ACH200-G10-1800-D | 1400 | 100 | 1800 | 3100X1450X2000 | 4370 | 3100X1450X2000 | 4470 | 3600X1450X2000 | 4670 |
| | ACH200-G10-2000-D | 1600 | 115 | 2000 | 3100X1450X2000 | 4520 | 3100X1450X2000 | 4620 | 3600X1450X2000 | 4820 |
| | ACH200-G10-2240-D | 1800 | 129 | 2240 | 3100X1450X2000 | 4770 | 3100X1450X2000 | 4870 | 3600X1450X2000 | 5070 |
| | ACH200-G10-2500-D | 2000 | 144 | 2500 | 3100X1450X2000 | 4970 | 3100X1450X2000 | 5070 | 3600X1450X2000 | 5270 |
| | ACH200-G10-2800-D | 2240 | 162 | 2800 | 4900X1600X2200 | 5970 | 4900X1600X2200 | 6070 | 5400X1600X2200 | 6270 |
| | ACH200-G10-3150-D | 2500 | 182 | 3150 | 4900X1600X2200 | 7160 | 4900X1600X2200 | 7260 | 5400X1600X2200 | 7460 |
| | ACH200-G10-3550-D | 2800 | 205 | 3150 | 4900X1600X2200 | 7810 | 4900X1600X2200 | 7910 | 5400X1600X2200 | 8110 |
| | ACH200-G10-4000-D | 3150 | 231 | 4000 | 4900X1600X2200 | 8460 | 4900X1600X2200 | 8560 | 5400X1600X2200 | 8760 |
| | ACH200-G10-4500-D | 3550 | 260 | 4500 | 4900X1600X2200 | 9560 | 4900X1600X2200 | 9660 | 5400X1600X2200 | 9860 |
| | ACH200-G10-5000-D | 4000 | 289 | 5000 | 4900X1600X2200 | 11160 | 4900X1600X2200 | 11260 | 5400X1600X2200 | 11460 |

## 11KV

| Look | Model | Rated power (kW) | Rated current (A) | Dimension W*D*H(mm) | One-drive-one-motor manual bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) | One-drive-one-motor auto bypass W*D*H(mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
|  | ACH200-H11-0500-D | 400 | 26 | 500 | 2800X1450X2000 | 2930 | 2800X1450X2000 | 3030 | 3300X1450X2000 | 3230 |
| | ACH200-H11-0560-D | 450 | 29 | 560 | 2800X1450X2000 | 2990 | 2800X1450X2000 | 3090 | 3300X1450X2000 | 3290 |
| | ACH200-H11-0630-D | 500 | 33 | 630 | 2800X1450X2000 | 3040 | 2800X1450X2000 | 3140 | 3300X1450X2000 | 3340 |
| | ACH200-H11-0710-D | 560 | 37 | 710 | 2800X1450X2000 | 3100 | 2800X1450X2000 | 3200 | 3300X1450X2000 | 3400 |
| | ACH200-H11-0800-D | 630 | 42 | 800 | 2800X1450X2000 | 3200 | 2800X1450X2000 | 3300 | 3300X1450X2000 | 3500 |
| | ACH200-H11-0900-D | 710 | 47 | 900 | 2800X1450X2000 | 3250 | 2800X1450X2000 | 3350 | 3300X1450X2000 | 3550 |
| | ACH200-H11-1000-D | 800 | 52 | 1000 | 2800X1450X2000 | 3300 | 2800X1450X2000 | 3400 | 3300X1450X2000 | 3600 |
| | ACH200-H11-1120-D | 900 | 59 | 1120 | 2800X1450X2000 | 3450 | 2800X1450X2000 | 3550 | 3300X1450X2000 | 3750 |
| | ACH200-H11-1250-D | 1000 | 66 | 1250 | 2800X1450X2000 | 3500 | 2800X1450X2000 | 3600 | 3300X1450X2000 | 3800 |
|  | ACH200-H11-1400-D | 1120 | 73 | 1400 | 3100X1450X2000 | 4120 | 3100X1450X2000 | 4220 | 3600X1450X2000 | 4420 |
| | ACH200-H11-1600-D | 1250 | 84 | 1600 | 3100X1450X2000 | 4320 | 3100X1450X2000 | 4420 | 3600X1450X2000 | 4620 |
| | ACH200-H11-1800-D | 1400 | 94 | 1800 | 3100X1450X2000 | 4480 | 3100X1450X2000 | 4580 | 3600X1450X2000 | 4780 |
| | ACH200-H11-2000-D | 1600 | 105 | 2000 | 3100X1450X2000 | 4600 | 3100X1450X2000 | 4700 | 3600X1450X2000 | 4900 |
| | ACH200-H11-2240-D | 1800 | 118 | 2240 | 3100X1450X2000 | 4900 | 3100X1450X2000 | 5000 | 3600X1450X2000 | 5200 |
| | ACH200-H11-2500-D | 2000 | 131 | 2500 | 3100X1450X2000 | 5100 | 3100X1450X2000 | 5200 | 3600X1450X2000 | 5400 |
| | ACH200-H11-2800-D | 2240 | 147 | 2800 | 4900X1600X2200 | 7490 | 4900X1600X2200 | 7590 | 5400X1600X2200 | 7790 |
| | ACH200-H11-3150-D | 2500 | 165 | 3150 | 4900X1600X2200 | 8290 | 4900X1600X2200 | 8390 | 5400X1600X2200 | 8590 |
| | ACH200-H11-3550-D | 2800 | 186 | 3150 | 4900X1600X2200 | 9490 | 4900X1600X2200 | 9590 | 5400X1600X2200 | 9790 |
| | ACH200-H11-4000-D | 3150 | 210 | 4000 | 4900X1600X2200 | 10990 | 4900X1600X2200 | 11090 | 5400X1600X2200 | 11290 |
| | ACH200-H11-4500-D | 3550 | 236 | 4500 | 4900X1600X2200 | 12490 | 4900X1600X2200 | 12590 | 5400X1600X2200 | 12790 |
| | ACH200-H11-5000-D | 4000 | 262 | 5000 | 4900X1600X2200 | 13990 | 4900X1600X2200 | 14090 | 5400X1600X2200 | 14290 |

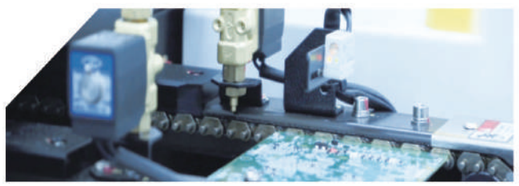
# Research and Production

## R&D and Technology Platform

- Consolidating a dynamic force of top-tier professionals and technical experts in domestic industrial control, our R&D team represents 37.16% of our workforce, with 74.62% of our technical staff boasting bachelor's degrees or higher.
- Guided by philosophy of "Innovate with technology and strive for excellence," VEICHI is deeply customer-centric by providing stable and reliable products and technologies designed to the evolving needs of our clients.
- Investing 10% of our revenue into R&D, VEICHI has crafted advanced labs for EMC, safety, reliability, and performance testing to ensure product quality.
- In-depth cooperation with many famous universities and research institutions in China has been established and "Jiangsu Postdoctoral Innovation Practice Base" and "Jiangsu Postgraduate Workstation" are set up successively.

## Intelligent Automation

- Digitally driven from inception to production, VEICHI boasts an annual capacity of 914,600 units with streamlined efficiency.
- 5 imported SMT placement lines, 5 automated coating lines, 4 DIP test lines, a robotic arm-equipped automated line, and 12 production lines are equipped with the latest intelligent manufacturing tools.
- All of the product checks are carried out automatically by the management mode of 3 (tri-inspection system)+ 1(proportional inspection) during the whole process for standard performance.
- Three major production management system WMS, MES and ERP together ensure that the unique code of each product is traceable in the system to manage product quality.





# Service Scope

## Pioneering Technology , Unmatched Service

VEICHI Electric has established an integrated global service network through its innovative "Region + Industry" marketing strategy, which synergizes cross-sector resources and distribution channels to deliver comprehensive solutions. With permanent business and technical support teams strategically located across 22 major Chinese cities and overseas operations including Indian subsidiaries, the company is supported by an extensive network of 334 domestic and international distributors that ensure seamless market coverage. By consistently delivering superior product quality backed by professional technical support and service excellence, VEICHI Electric continues to enhance its global brand reputation while driving sustainable international growth through reliable, customer-centric solutions.


**International Presence**

Offices/service centers in South-East Asia, South Asia, CIS, Middle East, Europe, Africa and the Americas

**China Coverage**

21 local service centers nationwide, 22 provinces/municipalities and Hong Kong/Macau/Taiwan covered distribution network

**22** domestic stations

**6** overseas offices

**300+** dealers