VEICHI

ACH200 Series
High-voltage AC Drive



About us



VEICHI Electric (stock code: 688698) is a high-tech company focused on electrical drive and industrial control, offering a full range of industrial automation products. With facilities in Suzhou, Shenzhen, Xi'an, and a subsidiary in India, VEICHI serves customers worldwide with reliable and competitive offerings.

The company boasts an extensive portfolio of products, encompassing AC drives, servo systems, and control systems, which are widely utilized across various sectors such as heavy industry, light industry, and high-end equipment, providing scenario-based solutions that support the digital and intelligent transformation of the manufacturing industry. Moreover, the company is in lockstep with the zeitgeist, expanding its reach into burgeoning fields like robotics, renewable energy, and healthcare with a suite of innovative products, including hollow cup motors, frameless motors, hybrid inverters, and surgical power systems. These cutting-edge offerings significantly enhance the prosperity and advancement of the industries they serve.

Years of R&D efforts have led to mastery in the core technologies of motor control such as vector control of PMSM, V/F control, high-frequency pulse injection control, field-weakening control for higher speed etc, and of silicon carbide application, motor auto tuning, motor protection and fly track start-up. And it has also successfully cultivated a series of patented technologies with independent intellectual property rights. As of June 30, 2024, a total of 221 patents have been granted, including 51 patents for inventions.

Over the course of 19 years, VEICHI has earned recognition and certifications from national and authoritative bodies like the third batch of specialized, high-end and innovation-driven SMEs that provide distinctive products or services, "high-tech enterprise", "Jiangsu Provincial Engineering Technology Research Center", "Jiangsu Provincial Enterprise Technology Center", and "Jiangsu Industrial Internet Development Demonstration Enterprise (Benchmarking Factory Category)".

Steadfast in its commitment to the business philosophy of "guided by market demand and driven by technological innovation", VEICHI will fortify its research in key core technologies and enhance product iteration to expand relentlessly across the spectrum of high-performance and quality applications. This strategic focus will enable us to make significant contributions to the evolution of electrical drive and industrial control systems, propelling the industry forward with determination and vigor.

2005
- Beginning in Shenzhen
- First-generation of AC drives launched

2013
- Suzhou VEICHI Electric established
- First generation servo system launched

2014
- Suzhou VEICHI Phase I groundbreaking

2016
- Suzhou VEICHI Phase I project put into operation
- First generation control system launched

2019
- Strategic restructure to a joint stock company VEICHI
- India subsidiary established

2020
- SSE STAR Market landing
- Specialized, high-end and innovation-driven SMEs that provide distinctive products or services

2021
- VEICHI subsidiary established
- Third batch of specialized, high-end and innovation-driven SMEs that provide distinctive products or services

2022
- Xi'an R&D Center established
- VEICHI digital energy subsidiary established

2023
- Suzhou VEICHI Phase II put into operation
- Suzhou VEICHI Phase III put into operation
- VEICHI medical subsidiary established

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

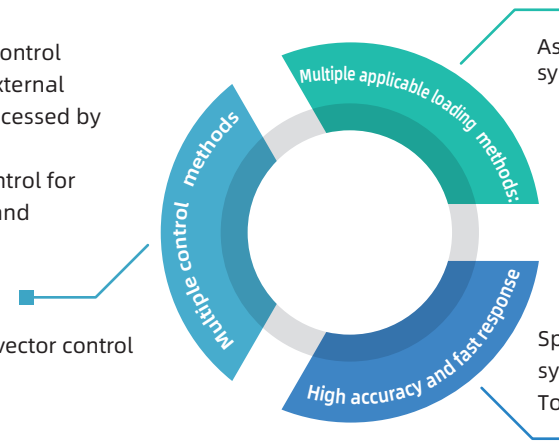
Aeration blowers, water supply pumps, water feeding pumps, induced draft fans, air feeders, etc.

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

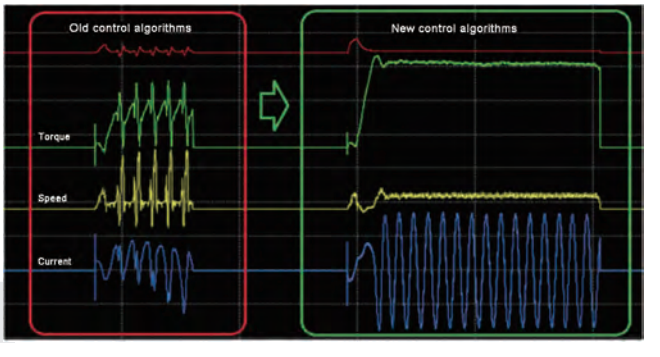
VF control, open/closed loop vector control

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

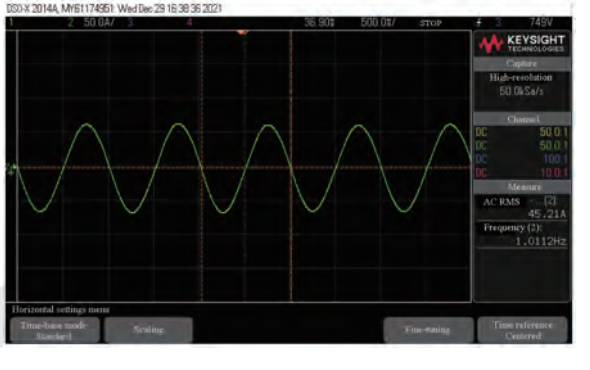


Excellent low frequency control performance

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

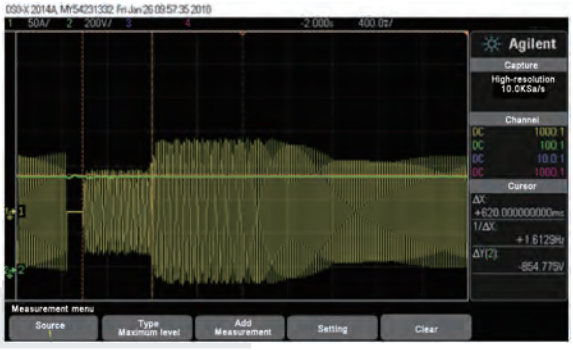


Fly track startup for full frequency scale

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

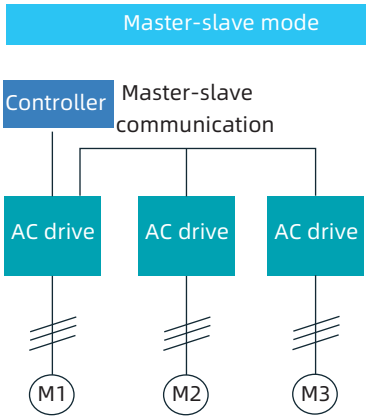
Fast response within 200ms from starting to target

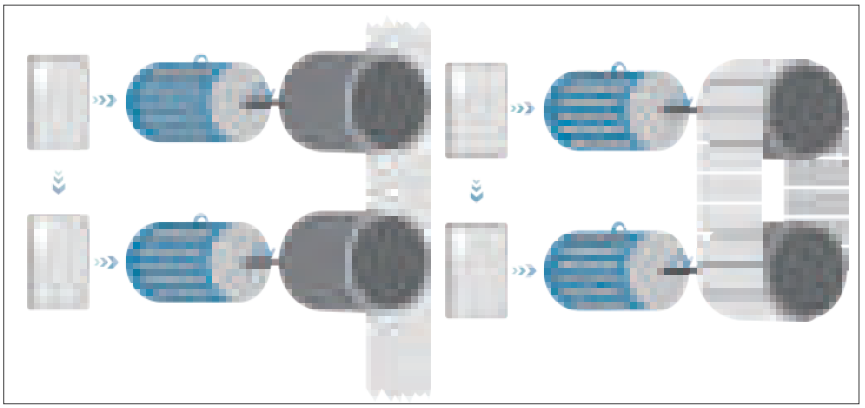
Large inertia equipment downtime remanent magnetization voltage is large, and when restarting, the corresponding amount and phase can be directly estimated to rotatory pre-excitation and then accelerate.



Master-slave control technology

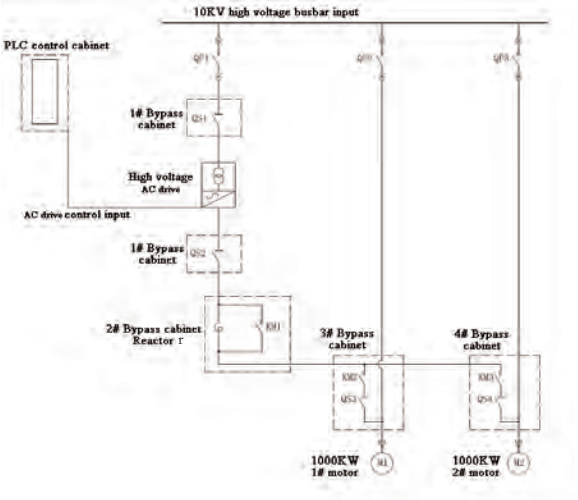
CAN or fiber optic communication are adopted to ensure real-time communication and output consistency among multiple machines regardless of mechanical load and fluid load.





Advanced interfere-free switching technology

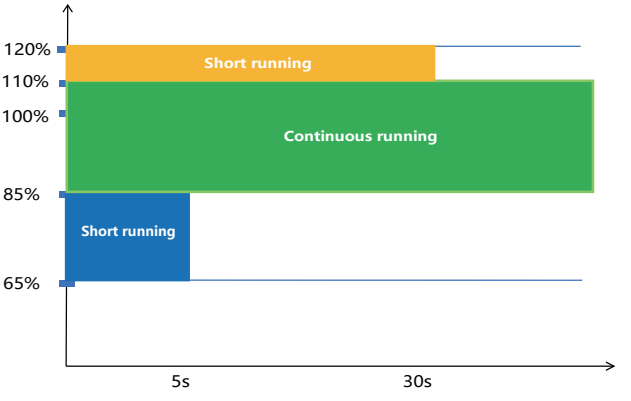
Phase-locked technology enables motor to start and run without interfere between industrial power and variable frequency, so it's suitable for switching between multiple pumps.
The impact current of the switching process does not exceed 1.5 times of the rated motor current.



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

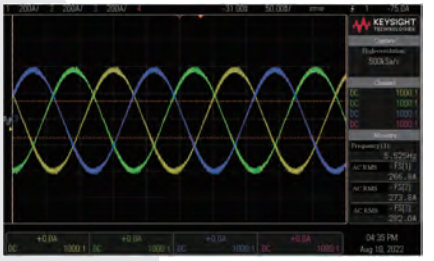
Motor nonstop during instantaneous power cut
No shutdowns during sudden power cut



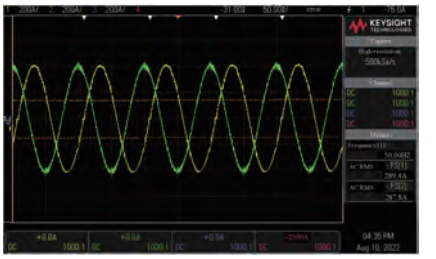
Perfect harmonic-free design

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%



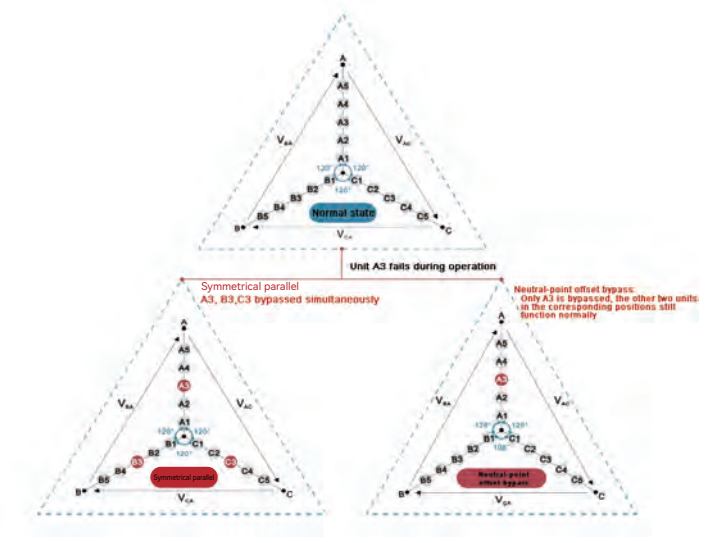
Harmonics to the motor <2% at rated load



Harmonics to the grid <2% at rated load

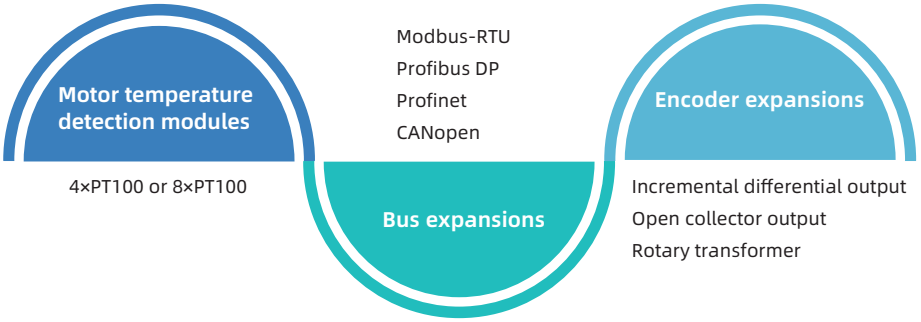
Multiple unit bypass methods

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



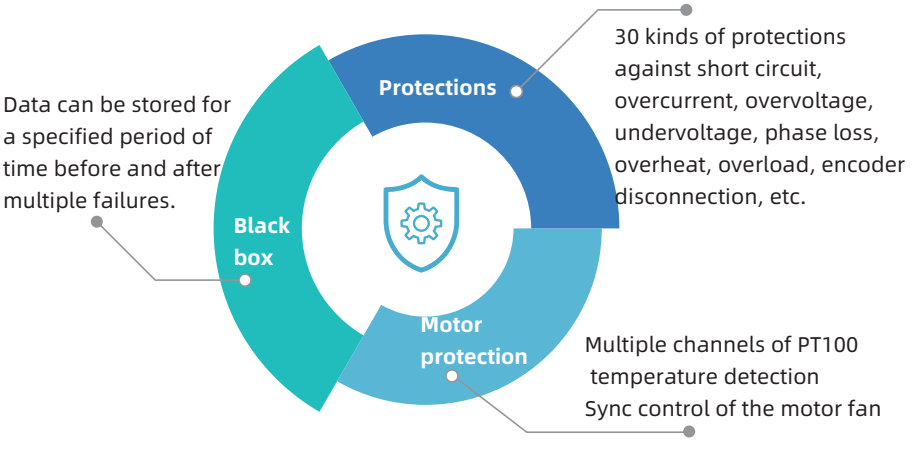
Multiple expansions

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



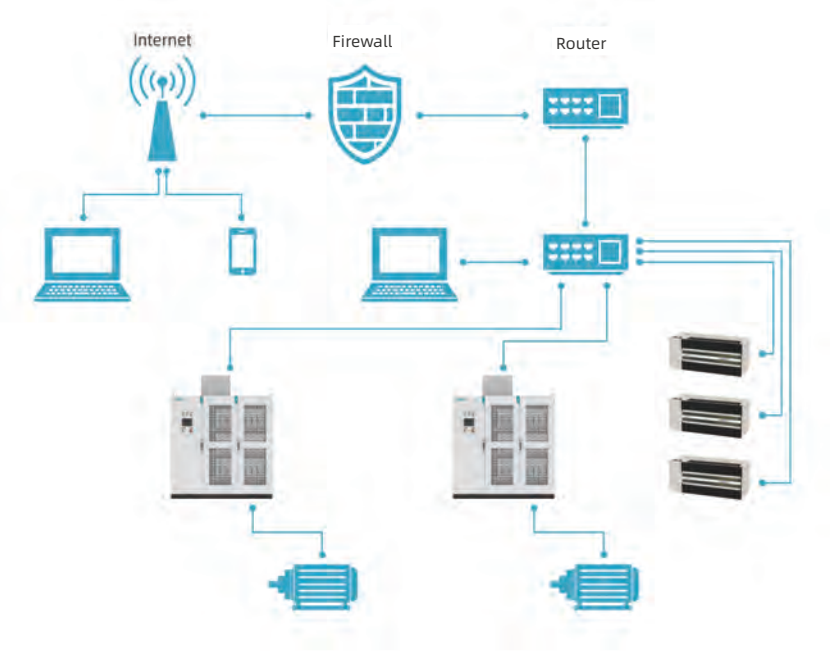
Multiple and comprehensive protections

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
A: 3kV
B: 3.3kV
C: 4.16kV
D: 6kV
E: 6.6kV
F: 7.2kV
G: 10kV
H: 11kV
J: 13.8kV

Output Voltage
03: 3kV
33: 3.3kV
04: 4.16kV
06: 6kV
66: 6.6kV
72: 7.2kV
10: 10kV
11: 11kV
13: 13.8kV

Rated Capacity
0500(500kVA)

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

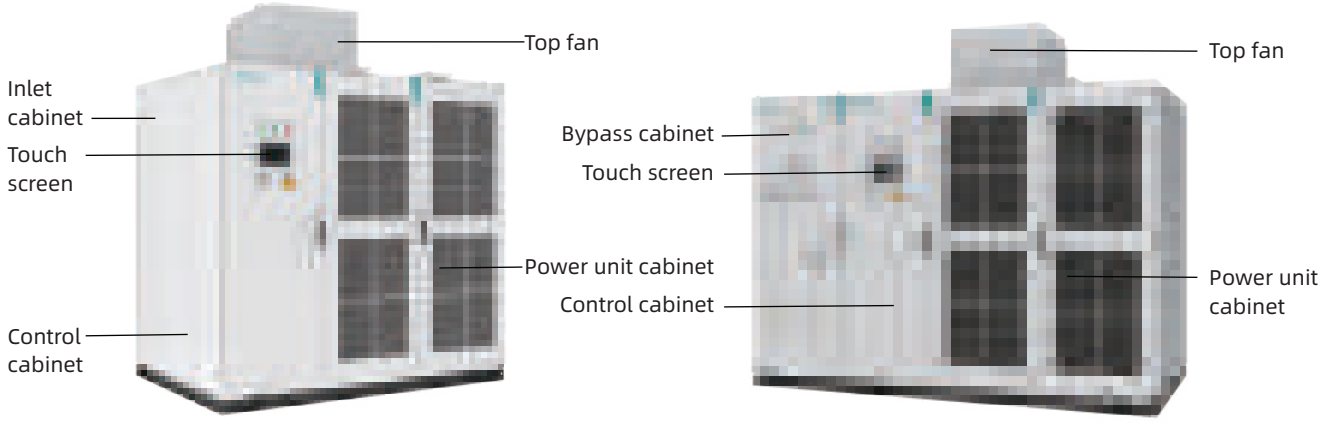
B: Built-in mechanical bypass in power unit
Empty: No built-in mechanical bypass in power unit

L: Bypass cabinet available
Empty: Bypass cabinet unavailable

Product Management No.
Customized version



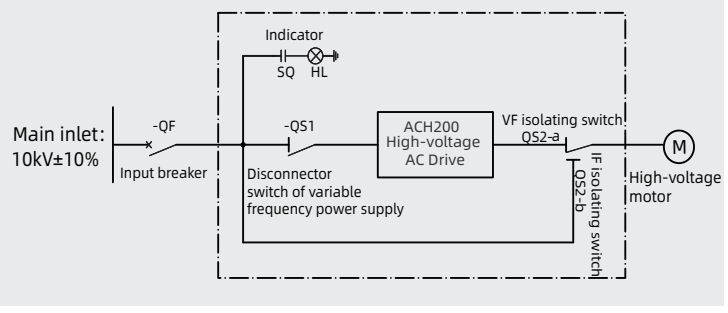
Cabinet Structure



Bypass Solutions

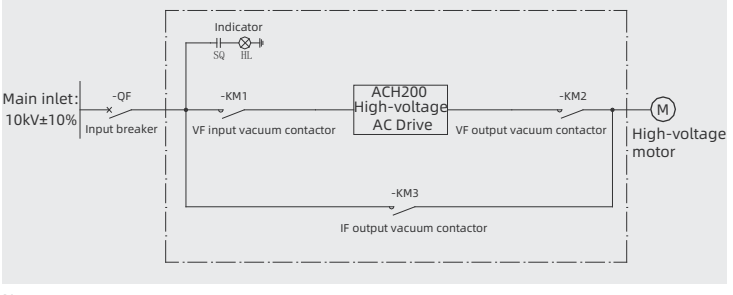
One-drive-one-motor manual bypass

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

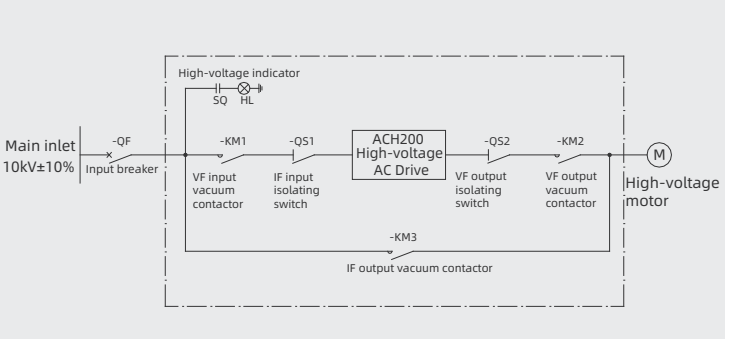
It consists of three high-voltage vacuum contactors KM1, KM2 and KM3. KM1 and KM2 are not allowed to close at the same time with KM3 to realize electrical interlock. During variable-frequency operation, KM1 and KM2 are closed and KM3 is open; during power frequency operation, KM3 is closed and KM1 and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



Note:
IF: Industrial frequency; VF: Variable frequency

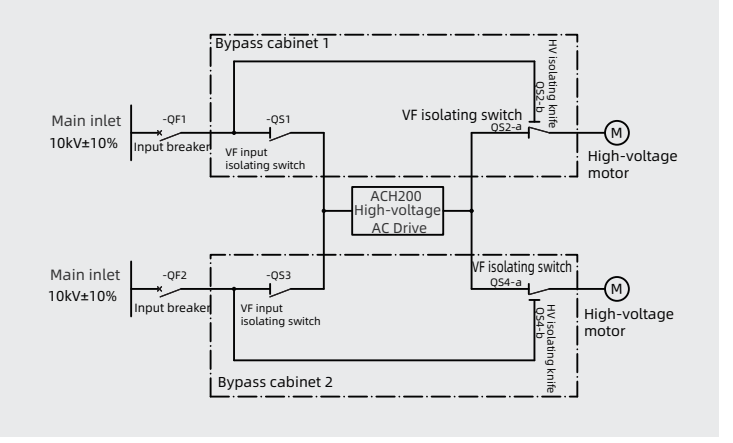
One-drive-one-motor manual/auto bypass

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.



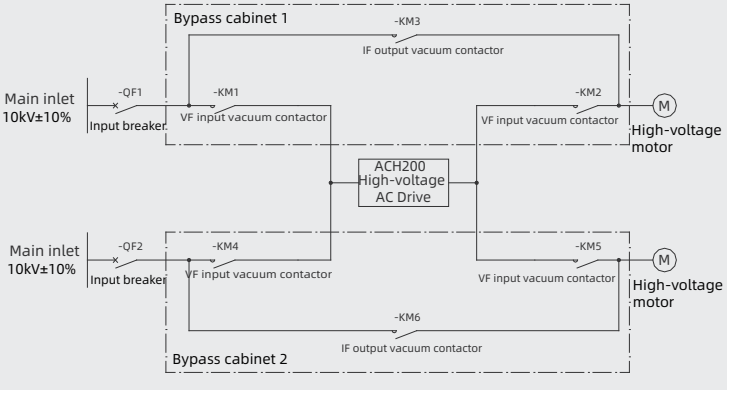
One-drive-two-motor manual bypass

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

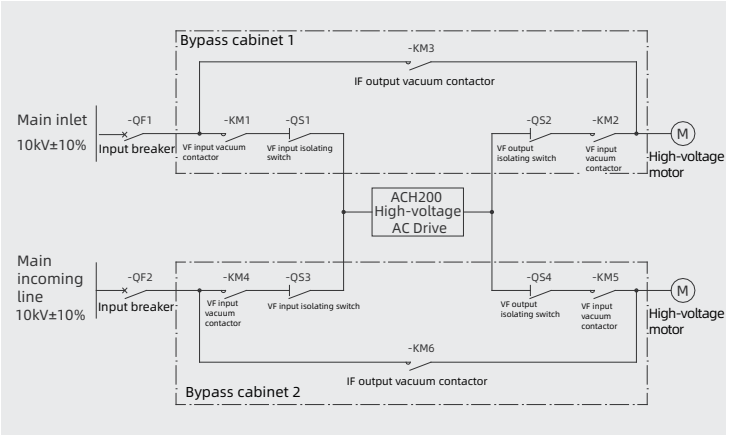
It consists of two one-drive-one-motor auto bypass cabinets, and both motors can be operated by variable frequency or industrial frequency. During operation, KM1/KM4, KM2/KM5, KM2/KM3 and KM5/KM6 are interlocked with each other for safety.



Note:IF: Industrial frequency; VF: Variable frequency

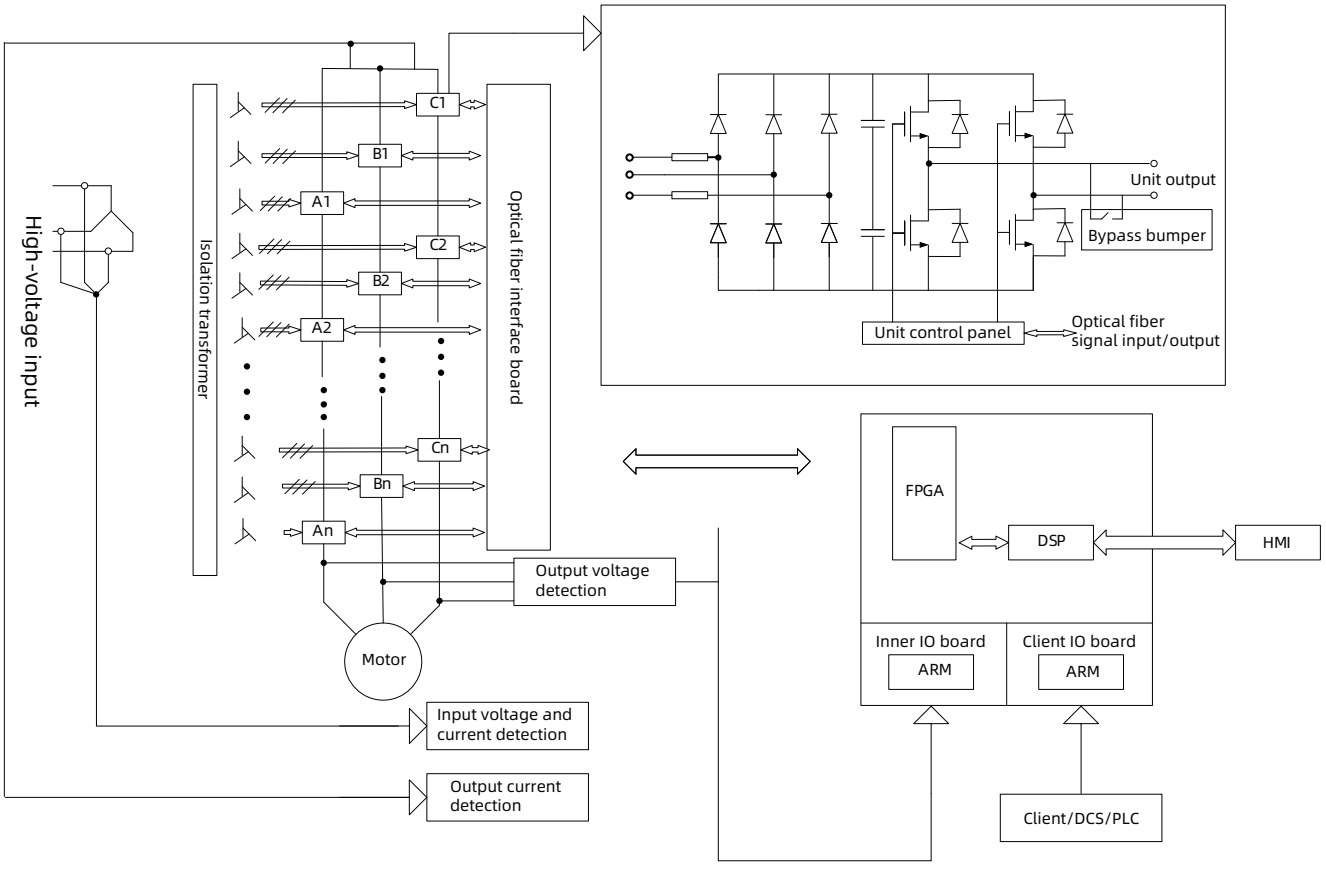
One-drive-two-motor manual/auto bypass

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.

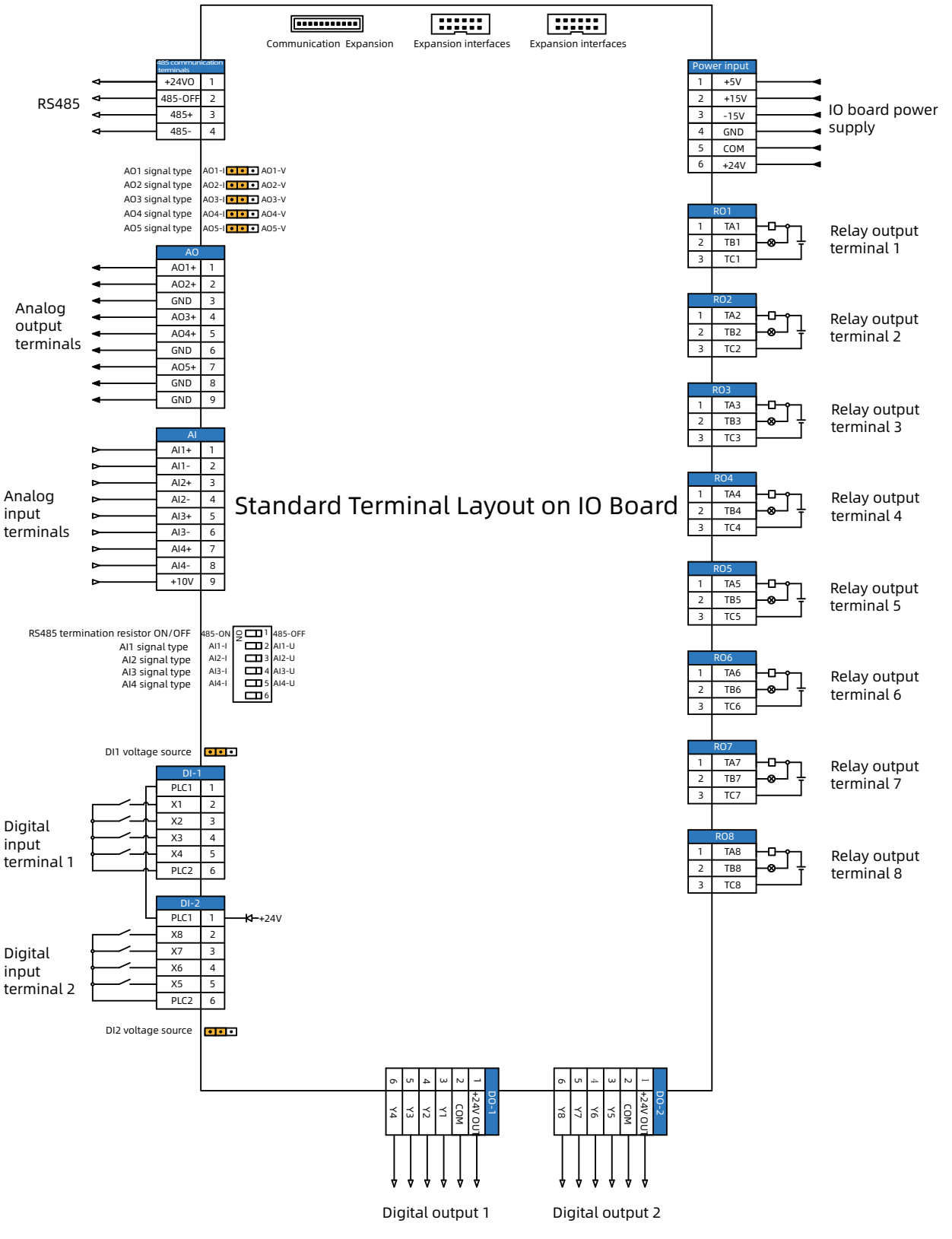


Note: IF: Industrial frequency; VF: Variable frequency

System Topology



Standard IO Interface



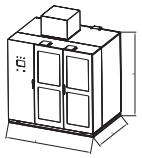
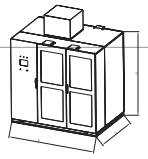
Technical Parameters

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

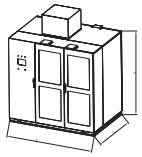
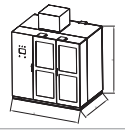
Product Specification(Standard)

- 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.

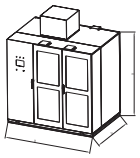
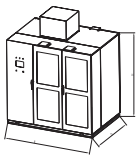
3KV

Look	Model	Rated power(kW)	Rated capacity(kVA)	Rated current(A)	W*D*H(mm)	Weight(kg)
	ACH200-A03-0280-D	220	280	54	2100X1450X2000	1310
	ACH200-A03-0315-D	250	315	61	2100X1450X2000	1350
	ACH200-A03-0355-D	280	355	68	2100X1450X2000	1380
	ACH200-A03-0400-D	315	400	77	2400×1450×2000	1400
	ACH200-A03-0450-D	355	450	87	2400×1450×2000	1450
	ACH200-A03-0500-D	400	500	96	2400×1450×2000	1550
	ACH200-A03-0560-D	450	560	108	2400×1450×2000	1600
	ACH200-A03-0630-D	500	630	121	2400×1450×2000	1680
	ACH200-A03-0710-D	560	710	137	2400×1450×2000	1750
	ACH200-A03-0800-D	630	800	154	3900X1450X2200	2640
	ACH200-A03-0900-D	710	900	173	3900X1450X2200	2690
	ACH200-A03-1000-D	800	1000	192	3900X1450X2200	2740
	ACH200-A03-1120-D	900	1120	216	3900X1450X2200	2790
	ACH200-A03-1250-D	1000	1250	241	3900X1450X2200	2840

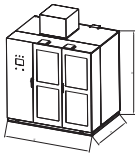
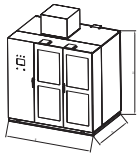
3.3KV

Look	Model	Rated power(kW)	Rated capacity(kVA)	Rated current(A)	W*D*H(mm)	Weight(kg)
	ACH200-B33-0280-D	220	280	49	2100X1450X2000	1330
	ACH200-B33-0315-D	250	315	55	2100X1450X2000	1370
	ACH200-B33-0355-D	280	355	62	2100X1450X2000	1400
	ACH200-B33-0400-D	315	400	70	2100X1450X2000	1430
	ACH200-B33-0450-D	355	450	79	2400X1450X2000	1480
	ACH200-B33-0500-D	400	500	87	2400X1450X2000	1580
	ACH200-B33-0560-D	450	560	98	2400X1450X2000	1630
	ACH200-B33-0630-D	500	630	110	2400X1450X2000	1710
	ACH200-B33-0710-D	560	710	124	2400X1450X2000	1790
	ACH200-B33-0800-D	630	800	140	2400X1450X2000	1890
	ACH200-B33-0900-D	710	900	157	3900X1450X2200	2860
	ACH200-B33-1000-D	800	1000	175	3900X1450X2200	2910
	ACH200-B33-1120-D	900	1120	196	3900X1450X2200	2960
	ACH200-B33-1250-D	1000	1250	219	3900X1450X2200	3010

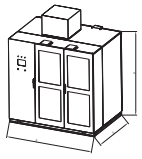
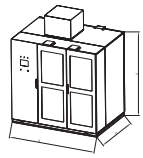
6KV

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	3900X1450X2200	4170
	ACH200-D06-1800-D	1400	1800	173	3900X1450X2200	4250
	ACH200-D06-2000-D	1600	2000	192	3900X1450X2200	4330
	ACH200-D06-2240-D	1800	2240	216	3900X1450X2200	4410
	ACH200-D06-2500-D	2000	2500	241	3900X1450X2200	4490

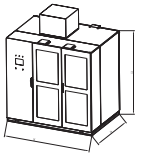
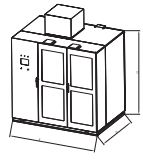
6.6KV

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	3900X1450X2200	4780
	ACH200-E66-2000-D	1600	2000	175	3900X1450X2200	4900
	ACH200-E66-2240-D	1800	2240	196	3900X1450X2200	5020
	ACH200-E66-2500-D	2000	2500	219	3900X1450X2200	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	4200X1600X2000	5300
	ACH200-G10-3150-D	2500	3150	182	4200X1600X2000	6500
	ACH200-G10-3550-D	2800	3550	205	4200X1600X2000	7150
	ACH200-G10-4000-D	3150	4000	231	4200X1600X2000	7800
	ACH200-G10-4500-D	3550	4500	260	4200X1600X2000	8900
	ACH200-G10-5000-D	4000	5000	289	4200X1600X2000	10500

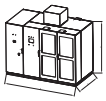
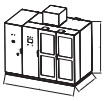
11KV

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	4200X1600X2000	6830
	ACH200-H11-3150-D	2500	3150	165	4200X1600X2000	7630
	ACH200-H11-3550-D	2800	3550	186	4200X1600X2000	8830
	ACH200-H11-4000-D	3150	4000	210	4200X1600X2000	10330
	ACH200-H11-4500-D	3550	4500	236	4200X1600X2000	11830
	ACH200-H11-5000-D	4000	5000	262	4200X1600X2000	13330

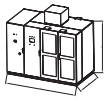
Product Specification (with Bypass Cabinet)

- 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.

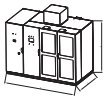
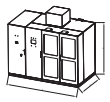
3KV

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-A03-0280-D	220	54	280	2800X1450X2000	1910	2800X1450X2000	2010	3300X1450X2000	2210
	ACH200-A03-0315-D	250	61	315	2800X1450X2000	1950	2800X1450X2000	2050	3300X1450X2000	2250
	ACH200-A03-0355-D	280	68	355	2800X1450X2000	1980	2800X1450X2000	2080	3300X1450X2000	2280
	ACH200-A03-0400-D	315	77	400	3100X1450X2000	2000	3100X1450X2000	2100	3600X1450X2000	2300
	ACH200-A03-0450-D	355	87	450	3100X1450X2000	2050	3100X1450X2000	2150	3600X1450X2000	2350
	ACH200-A03-0500-D	400	96	500	3100X1450X2000	2150	3100X1450X2000	2250	3600X1450X2000	2450
	ACH200-A03-0560-D	450	108	560	3100X1450X2000	2200	3100X1450X2000	2300	3600X1450X2000	2500
	ACH200-A03-0630-D	500	121	630	3100X1450X2000	2280	3100X1450X2000	2380	3600X1450X2000	2580
	ACH200-A03-0710-D	560	137	710	3100X1450X2000	2350	3100X1450X2000	2450	3600X1450X2000	2650
	ACH200-A03-0800-D	630	154	800	4600X1450X2200	3300	4600X1450X2200	3400	5100X1450X2000	3600
	ACH200-A03-0900-D	710	173	900	4600X1450X2200	3350	4600X1450X2200	3450	5100X1450X2000	3650
	ACH200-A03-1000-D	800	192	1000	4600X1450X2200	3400	4600X1450X2200	3500	5100X1450X2000	3700
	ACH200-A03-1120-D	900	216	1120	4600X1450X2200	3450	4600X1450X2200	3550	5100X1450X2000	3750
	ACH200-A03-1250-D	1000	241	1250	4600X1450X2200	3500	4600X1450X2200	3600	5100X1450X2000	3800

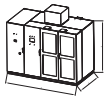
3.3KV

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-B33-0280-D	220	49	280	2800X1450X2000	1930	2800X1450X2000	2030	3300X1450X2000	2230
	ACH200-B33-0315-D	250	55	315	2800X1450X2000	1970	2800X1450X2000	2070	3300X1450X2000	2270
	ACH200-B33-0355-D	280	62	355	2800X1450X2000	2000	2800X1450X2000	2100	3300X1450X2000	2300
	ACH200-B33-0400-D	315	70	400	2800X1450X2000	2030	2800X1450X2000	2130	3300X1450X2000	2330
	ACH200-B33-0450-D	355	79	450	3100X1450X2000	2080	3100X1450X2000	2180	3600X1450X2000	2380
	ACH200-B33-0500-D	400	87	500	3100X1450X2000	2180	3100X1450X2000	2280	3600X1450X2000	2480
	ACH200-B33-0560-D	450	98	560	3100X1450X2000	2230	3100X1450X2000	2330	3600X1450X2000	2530
	ACH200-B33-0630-D	500	110	630	3100X1450X2000	2310	3100X1450X2000	2410	3600X1450X2000	2610
	ACH200-B33-0710-D	560	124	710	3100X1450X2000	2390	3100X1450X2000	2490	3600X1450X2000	2690
	ACH200-B33-0800-D	630	140	800	3100X1450X2000	2490	3100X1450X2000	2590	3600X1450X2000	2790
	ACH200-B33-0900-D	710	157	900	4600X1450X2200	3520	4600X1450X2200	3620	5100X1450X2000	3820
	ACH200-B33-1000-D	800	175	1000	4600X1450X2200	3570	4600X1450X2200	3670	5100X1450X2000	3870
	ACH200-B33-1120-D	900	196	1120	4600X1450X2200	3620	4600X1450X2200	3720	5100X1450X2000	3920
	ACH200-B33-1250-D	1000	219	1250	4600X1450X2200	3670	4600X1450X2200	3770	5100X1450X2000	3970

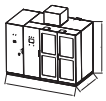
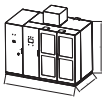
6KV

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	4600X1450X2200	4030	4600X1450X2200	5030	5100X1450X2000	5130
	ACH200-D06-1800-D	1400	173	1800	4600X1450X2200	4910	4600X1450X2200	5110	5100X1450X2000	5210
	ACH200-D06-2000-D	1600	192	2000	4600X1450X2200	4990	4600X1450X2200	5190	5100X1450X2000	5290
	ACH200-D06-2240-D	1800	216	2240	4600X1450X2200	5070	4600X1450X2200	5270	5100X1450X2000	5370
	ACH200-D06-2500-D	2000	241	2500	4600X1450X2200	5150	4600X1450X2200	5350	5100X1450X2000	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	4600X1450X2200	5440	4600X1450X2200	5540	5100X1450X2000	5740
	ACH200-E66-2000-D	1600	175	2000	4600X1450X2200	5560	4600X1450X2200	5660	5100X1450X2000	5860
	ACH200-E66-2240-D	1800	196	2240	4600X1450X2200	5680	4600X1450X2200	5780	5100X1450X2000	5980
	ACH200-E66-2500-D	2000	219	2500	4600X1450X2200	5800	4600X1450X2200	5900	5100X1450X2000	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	4900X1600X2000	5970	4900X1600X2000	6070	5400X1600X2000	6270
	ACH200-G10-3150-D	2500	182	3150	4900X1600X2000	7160	4900X1600X2000	7260	5400X1600X2000	7460
	ACH200-G10-3550-D	2800	205	3150	4900X1600X2000	7810	4900X1600X2000	7910	5400X1600X2000	8110
	ACH200-G10-4000-D	3150	231	4000	4900X1600X2000	8460	4900X1600X2000	8560	5400X1600X2000	8760
	ACH200-G10-4500-D	3550	260	4500	4900X1600X2000	9560	4900X1600X2000	9660	5400X1600X2000	9860
	ACH200-G10-5000-D	4000	289	5000	4900X1600X2000	11160	4900X1600X2000	11260	5400X1600X2000	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	4900X1600X2000	7490	4900X1600X2000	7590	5400X1600X2000	7790
	ACH200-H11-3150-D	2500	165	3150	4900X1600X2000	8290	4900X1600X2000	8390	5400X1600X2000	8590
	ACH200-H11-3550-D	2800	186	3150	4900X1600X2000	9490	4900X1600X2000	9590	5400X1600X2000	9790
	ACH200-H11-4000-D	3150	210	4000	4900X1600X2000	10990	4900X1600X2000	11090	5400X1600X2000	11290
	ACH200-H11-4500-D	3550	236	4500	4900X1600X2000	12490	4900X1600X2000	12590	5400X1600X2000	12790
	ACH200-H11-5000-D	4000	262	5000	4900X1600X2000	13990	4900X1600X2000	14090	5400X1600X2000	14290

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