

Altivar 1200

315 ... 16200 kVA

Catalogue

English

11/2012



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Altivar 1200
Medium Voltage Drive Systems

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Altivar 1200

Medium Voltage Drive Systems

Type of drive	Pumps, fans and compressors														
															
Type	ATV 1200														
Brief description	Medium Voltage Drive System with multi-pulse transformer and low voltage inverter cascade provides a sinusoidal sine wave at both input and output with low THD(i).														
Power ranges	315 ... 16200 kVA														
Voltage ranges	<table border="1"> <tr><td>2.4 kV</td><td><i>on request</i></td></tr> <tr><td>3.3 kV</td><td></td></tr> <tr><td>4.16 kV</td><td></td></tr> <tr><td>5.5 / 6.0 kV</td><td></td></tr> <tr><td>6.3 / 6.6 kV</td><td></td></tr> <tr><td>10 kV</td><td></td></tr> <tr><td>11 kV</td><td><i>on request</i></td></tr> </table>	2.4 kV	<i>on request</i>	3.3 kV		4.16 kV		5.5 / 6.0 kV		6.3 / 6.6 kV		10 kV		11 kV	<i>on request</i>
2.4 kV	<i>on request</i>														
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4.16 kV															
5.5 / 6.0 kV															
6.3 / 6.6 kV															
10 kV															
11 kV	<i>on request</i>														
Output frequency	<table border="1"> <tr><td>0.5 ... 120 Hz for V/f characteristic</td></tr> <tr><td>0.5 ... 70 Hz for vector control</td></tr> </table>	0.5 ... 120 Hz for V/f characteristic	0.5 ... 70 Hz for vector control												
0.5 ... 120 Hz for V/f characteristic															
0.5 ... 70 Hz for vector control															
Control method	<table border="1"> <tr><td>V/f characteristic,</td></tr> <tr><td>flux vector control</td></tr> <tr><td>sensorless flux vector control</td></tr> <tr><td>closed-loop control with encoder</td></tr> </table>	V/f characteristic,	flux vector control	sensorless flux vector control	closed-loop control with encoder										
V/f characteristic,															
flux vector control															
sensorless flux vector control															
closed-loop control with encoder															
Interfaces	<table border="1"> <tr><td>10 inch LCD touch screen as operating panel in the enclosure door,</td></tr> <tr><td>I/O ports analog logic,</td></tr> <tr><td>Connection via Modbus, Modbus TCP, Ethernet IP, Profibus or DeviceNet</td></tr> </table>	10 inch LCD touch screen as operating panel in the enclosure door,	I/O ports analog logic,	Connection via Modbus, Modbus TCP, Ethernet IP, Profibus or DeviceNet											
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Protection degree	<table border="1"> <tr><td>IP31 design of the enclosure</td></tr> <tr><td>IP41 enclosure design optional available</td></tr> <tr><td>IP42 enclosure design optional available</td></tr> </table>	IP31 design of the enclosure	IP41 enclosure design optional available	IP42 enclosure design optional available											
IP31 design of the enclosure															
IP41 enclosure design optional available															
IP42 enclosure design optional available															
Further reading	Information about project planning and order can be found in this document.														

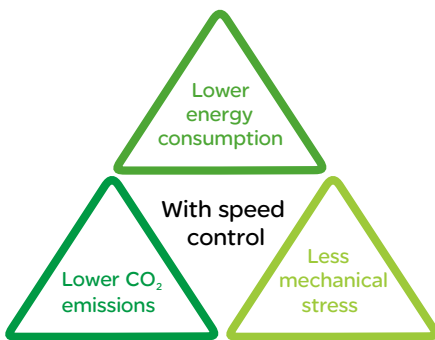
Altivar 1200

Medium Voltage Drive Systems

Type of drive	Pumps and fans	Drives with high performance in industry, machine building and automation
 		
Type	ATV 61 Plus	ATV 71 Plus
Brief description	Altivar Drive Systems with increased protection degree, alternatively in the standard design, with additionally installed options or as a customized solution	Altivar Drive Systems with increased protection degree, alternatively in the standard design, with additionally installed options or as a customized solution
Power ranges	<p>ATV61ES5●●●N4 90...630 kW</p> <p>ATV61EX●●●●●N4 90...1400 kW</p> <p>ATV61EX●●●●●N 90...1800 kW</p> <p>ATV61EX●●●●●Y 110...2400 kW</p>	<p>ATV71ES5●●●N4 90...500 kW</p> <p>ATV71EX●●●●●N4 90...1300 kW</p> <p>ATV71EX●●●●●N 90...1500 kW</p> <p>ATV71EX●●●●●Y 110...2000 kW</p>
Voltage ranges	<p>ATV61ES5●●●N4 380...415 V</p> <p>ATV61EX●●●●●N4 400 (380, 415) V</p> <p>ATV61EX●●●●●N 500 (525) V</p> <p>ATV61EX●●●●●Y 690 V</p> <p>Other voltages are available on request.</p>	<p>ATV71ES5●●●N4 380...415 V</p> <p>ATV71EX●●●●●N4 400 (380, 415) V</p> <p>ATV71EX●●●●●N 500 (525) V</p> <p>ATV71EX●●●●●Y 690 V</p> <p>Other voltages are available on request.</p>
Output frequency	0.1 ... 500 Hz	0.1 ... 500 Hz
Control method	V/f characteristic (2 or 5 points), vector-oriented flux control without feedback, energy saving system	V/f characteristic (2 or 5 points), vector-oriented flux control with/without encoder, ENA system
Interfaces	Operating panel in the enclosure door with a transparent cover, control terminals either directly in the inverter or in the enclosure, control terminals can be extended, fieldbus connection via Modbus or CANopen	Operating panel in the enclosure door with a transparent cover, control terminals either directly in the inverter or in the enclosure, control terminals can be extended, fieldbus connection via Modbus or CANopen
Protection degree	IP23 design of the enclosure IP54 design of the enclosure IP54 design of the enclosure with separated air flow	IP23 design of the enclosure IP54 design of the enclosure IP54 design of the enclosure with separated air flow
Further reading	Information about project planning and order can be found in the product catalogue "Variable speed drives for asynchronous motors Altivar 61".	Information about project planning and order can be found in the product catalogue "Variable speed drives for asynchronous motors Altivar 71".

Altivar 1200

Medium Voltage Drive Systems



ATV1200 - Preference of energy-saving and efficiency-improving

Schneider Electric, your energy management expert, can help you to identify potential energy savings according to your installation by performing an audit of your power distribution, motor control and control system etc. The results are presented by an audit report as well as recommendations to improve efficiency of your system.

The audit

- Identify opportunities for saving energy
- Fine-tune a selection of solutions for achievable savings
- Calculate the return on investment

Associated services available

- Measurement and analysis of your consumption (before and after modifications)
- Installation of variable speed drives
- Power factor correction
- Setup and training of your teams
- Follow-up and commitment on achievable savings

Energy demand is on the rise and so are federal and international regulations requiring the reduction in our global carbon footprint.

To do this, a variable energy management solution is paramount. This starts by better managing motors that control pump, fan and compressor. Research shows that these motors consume 70% of the energy of industries and infrastructures.

With Altivar® variable frequency drives from Schneider Electric you can achieve energy savings of up to 40%, depending on the type of installation.



Applications

Cement

- Kiln head exhaust fan
- Preheater fan
- Kiln filter fan
- Rotary kiln (single drive, multiple drives)
- Cement mill (multiple drives)

Water Industry

- Water suction pump
- Water supply pump
- Primary suction pump
- Secondary clean water pump

Coal Mine

- Belt conveyor (single drive, multiple drives)
- Mine ventilator

Power Plant

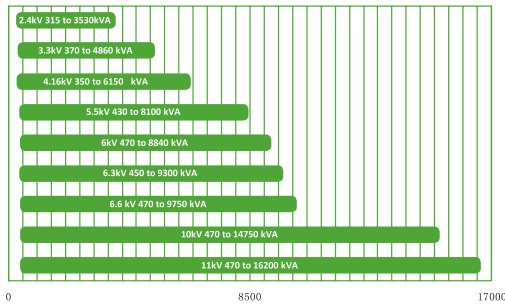
- Boiler induced draught fan
- Boiler forced draught fan
- Primary fan
- Condensate pump
- Sewage pump etc.

Petroleum and Petrifications

- Kiln head exhaust fan
- Air compressor
- Water injection pump
- Submersible pump
- Desolvent raw material pump
- Distillation tower bottom pump
- Coking furnace radiation pump
- Diesel oil transfer pump

Metallurgy

- Kiln head exhaust fan
- Blast-furnace blower
- Primary dedusting fan
- Dry quenching circulating fan
- Main exhaust fan for sintering
- High-pressure phosphorous removal pump



Range overview

Introduction

Altivar 1200 Medium Voltage Drive System is designed with high reliability, easy to use and good performance.

The Altivar 1200 can be applied to three-phase medium-voltage asynchronous motors (sensor/sensorless vector control mode) as well as synchronous motors (V/f mode). With the latest IGBT type, our drive can be used in applications which need higher precision requirements.

Benefits / features

Optimized cabinet

- Up to 30% size reduction on the footprint thanks to combined cabinet
- Front access enables an easy access to the control and transformer cabinet. It makes the installation and maintenance operations easier to save time.
- Certified IP31, IP41 & IP42 cabinet (even on top cooling fans)

Well equipped as standard

The ATV1200 proposes high performance in the standard execution offering comfort and reliability such as:

- Protection: Interlocks system (according to customer requirements), special tool to open the door is needed, power off signal, handle lock
- Comfort: Large 10" HMI, new easy software configuration, internal lightning, free I/O
- Reliability: UPS
- CE marking

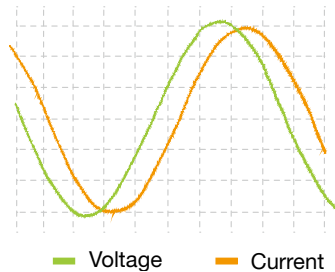
Simple and well proven core design

Multi-level technology

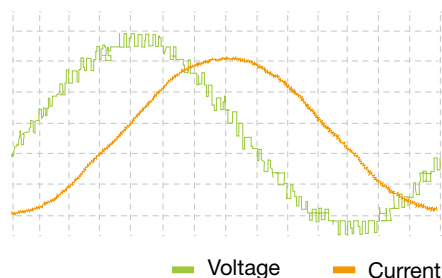
- Flexibility: This technology enables to operate very old direct on line motors without additional components. It allows to achieve significant energy saving as well as a quick return on investment.

Improve OPEX and CAPEX

- The low harmonics THDI<2% is obtained thanks to the multi-level technology that provides a clean sinusoidal waveform fulfilling major standards
- The quality of the output voltage creates no stress on motor shaft and terminals avoiding special isolation of the motor
- Long motor cable - up to 2000m without additional components
- No special motor cable required
- Increased motor lifetime due to low dv/dt and voltage steps



Input waveform



Output waveform

Efficient cooling system

- Well arranged sharing of cooling air flow managed only by main cooling fans avoids bottom transformer fans and cooling fans on the electronic compartments.
- Improved Total Drive Efficiency as transformer bottom fans are removed. The energy savings are significant and the drive efficiency is improved by up to 0.3%

Inverter stage

- The drive's inverter is based on a modular architecture using low voltage IGBT which are widely used and proven for its reliability in the industry. The inverter stage is composed with modular that can be removed within a few minutes for maintenance
- Separated air flow in control cabinet: The conception of the control cabinet avoids any local fans inside the cabinet. The air flow circulates efficiently due to the ATV1200 design to cool down the control cabinet components. It avoids the need of maintenance operation and increase the reliability of drive

Standards and regulations

The entire ATV1200 range conforms to international requirements in order to provide efficient and appropriate usage of products by the end user, machine manufacturer or system integrator.

Low voltage directive (LCD)

As declared by the CE mark, the mechanical and electrical design of the Low voltage cabinet (control cabinet) meets the European Directive LVD 2006/95/EC IEC with regards to the IEC standards 61800-5-1.

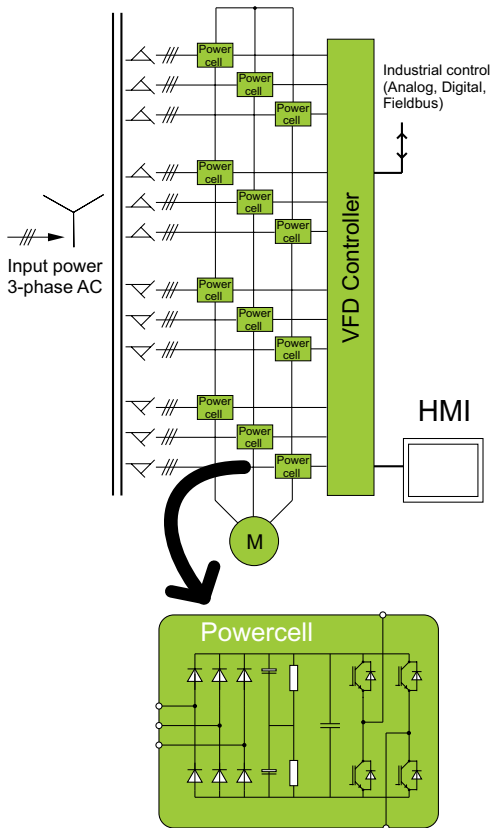
Electromagnetic compatibility directive (EMC)

As declared by a Schneider Electric manufacturing certification, qualified testing lab and certification authority, the ATV1200 range fullfills the conformity to electromagnetic directive EMC 2004/108/EC with regards to the IEC standards 61800-3.

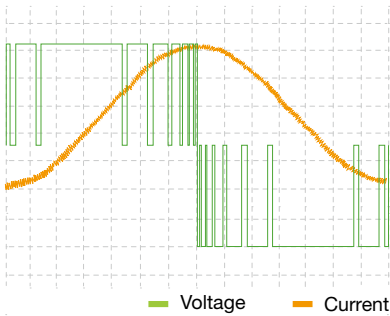
Machine directive

The ATV1200 drive is to be installed as a part of a machine, system or plant. The responsibility of the machine manufacturer or system integrator is involved as it refers to the method of installation. An appropriate usage of products ensures the compliance to the machine directive with regards to the IEC standards 61800-5-1, 60204-1, 60204-11. Drive operation remains totally prohibited without prior establishment of conformity by the machine manufacturer or integrator.





ATV1200 multilevel architecture



Typical output waveform of a single power cell

Drive topology

Its simple two level power cell design takes away the complexity of multilevel architecture and makes it into a clear and easy understandable technology. This saves your maintenance cost because the crew will easily understand Altivar 1200.

The core component of ATV1200 is the “Power cell”. This “Power cell” is a single phase, two level output switching device, supplied by a 700V low voltage winding of a transformer.

The big advantage of this is, that the switching elements are state-of-the-art LV components. By putting this AC - supplies in series, higher voltages are achieved. The number of “Power cells” determines the output voltage. Every cell provides a small step of motor supply, resulting in a smooth waveform. Phase shifting can be done on the secondary windings of transformer, allowing an elimination of harmonics of input.

The cells create the right part of the drive and the transformer the left section of the drive. The drives regulation system and control is installed in front of the drive to provide an optimized footprint. The transformer and cell section can be separated for easy installation. Adequate cooling fans on top of the panel are supplied by additional secondary windings of the integrated transformer. This avoids additional 3phase supplies for the drive.

Schneider Electric offers this transformer in a standard efficiency as well as in increased high efficiency.

Benefits

- Easy understandable multilevel architecture saves money in case of maintenance
- Less spare parts because only one power cell design is needed for the whole drive
- Smooth output voltage because each power cell provides only a small step of the voltage

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Medium Voltage Drive Systems



Control- and transformer cabinet

Control- and Transformer cabinet

Clever and modular arrangement of control section in front of transformer. This section with independent access allows the integration of additional components according to your personal needs.

Benefits

- Space optimized dimensions without squeezing components in small compartments, granting you a very long lifetime avoiding any hot spot inside the system
- The integrated transformer and multilevel structure helps to avoid bearing currents in existing motors. This results in a capability to run your very old motor on a very new MV drive, leading to a drastic reduction of energy costs where your damper controlled fan or throttle controlled pump is concerned



Power cells cabinet

Power cells cabinet

The power cells cabinet contains the inverter function of the ATV1200. It is a modular cabinet that can be used with the transformer cabinet according to the implementation requirements. The power cells are placed onto a fast-rack system providing a convenient access to it.

Benefits

- Clear arrangement of components helping your team in maintenance and service
- Compact and low weight cell design saving maintenance shutdown time
- Easier installation to save time



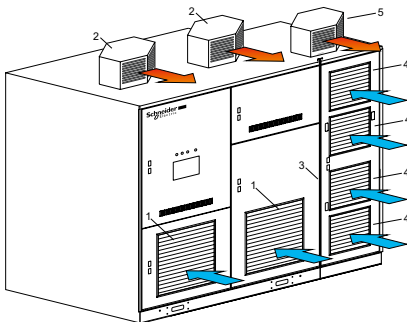
Power cell



Cooling concept

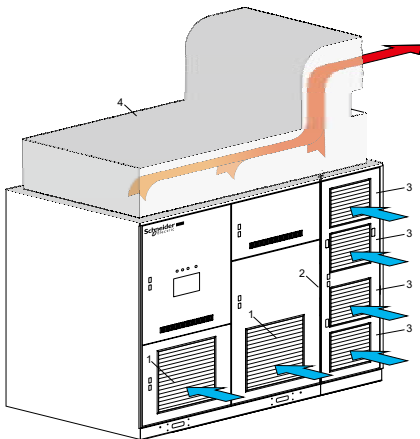
Innovative transformer design with optimized cooling arrangement without the need of additional bottom blowers, keeping maintenance costs very low and increasing the availability due to reduced number of fans. A reduced number of fans in ATV1200 also improves the total efficiency. Small fans should be avoided.

The bottom transformer blowers are replaced by an innovative air duct system for a better cooling system. The airflow circulation inside the transformer cabinet becomes more efficient avoiding hotspots. This increases the transformer lifetime.



Standard cooling

- 1.....Air inlet grid for transformer cabinet
- 2.....Air outlet with fans
- 3.....Guided air flow to avoid internal air short-circuit between transformer- and power cell cabinet
- 4.....Air inlet grid for power cell cabinet
- 5.....Air outlet with fans

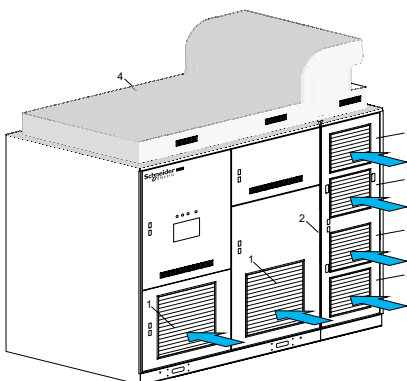


Cooling with air duct channel (as an option)

The ATV1200 can be equipped with the air duct system to exhaust losses outside the electrical room. This solution optimizes the design of the air conditioning system. Clean air has to be provided in the drive air inlets.

- 1.....Air inlet grid for transformer cabinet
- 2.....Guided air flow to avoid internal air short-circuit between transformer- and power cell cabinet
- 3.....Air inlet grid for power cell cabinet
- 4.....Air duct channel

Drive with air duct channel



Audible noise silencer (as an option)

The ATV1200 can be equipped with a silencer to reduce the audible noise generated by the drive. This solution mitigates the noise generated by the fan cooling system (on the top) and provides a better comfort to the surroundings. With this option the audible noise reaches 76db(A) during drive operation.

- 1.....Air inlet grid for transformer cabinet
- 2.....Guided air flow to avoid internal air short-circuit between transformer- and power cell cabinet
- 3.....Air inlet grid for power cell cabinet
- 4.....Air duct channel with audible noise silencer

Drive with air duct channel

Altivar 1200

Medium Voltage Drive Systems



Friendly user interface



Intuitive windows arrangement

Control features

Friendly and easy-to-use interface with LCD touch-screen. Windows arrangement to guide you in few touches to the required result.

- Motor control mode
 - V/f control, sensor/sensorless flux vector control, closed-loop control with encoder
- Number of quadrant
 - 2Q
- Steady operation
 - Speed precision in steady state: $\pm 0.5\%$
 - Closed-loop speed precision: $\pm 0.1\%$
- Protection
 - Overcurrent, overvoltage, undervoltage, controller shutdown, cooling fan stop, overload, overtemperature, communication interruption, ground fault, phase lose
- Interface
 - 10 inch large LCD touch-screen
 - Visual and audible alarm for drive status
- Communication
 - Modbus, Modbus TCP, Ethernet IP, Profibus or DeviceNet
- PID function
 - Integrated PID regulator, and parameters can be set
- I/O function
 - I/O ports can be expanded according to user's requirements
- Operation mode
 - Local / remote
- Frequency setting
 - Manual operation, analogue/digital reference setting
- Human-Machine interface display
 - Output frequency, voltage, current, power and input voltage, current, power, power factor, parameters setting, voltage and current waveform, transformer temperature, drive status and records.

Key functions

- Soft start function (including synchronization and bypass)
- Multi pump (cascade mode)
- Multi motors control (cascade motors)
- Catch on fly (low and high inertia)
- Simulation mode for commissioning
- Master slave function up to 3 drives (1 master, 2 slaves)
- Speed synchronized control (load sharing)
- Motor autotuning
- Auto restart (after input voltage drop)

SM6 - Modular units (as option)

SM6 switchgear has been specifically designed on the basis of that extensive experience.

The SM6 can easily integrate the captive key of interlock system which employed by ATV1200 into its system.

A comprehensive solution

SM6 switchgear is fully compatible with

- Power Meter metering units.
- Sepam multi-function protection relays for protection, measurements and diagnosis.
- VIP protection self powered relay for protection.



SM6 modular units

Altivar 1200

Medium Voltage Drive Systems

The product designation of the Altivar frequency inverters consists of several points of reference (characters and figures). The meaning of each point is illustrated in the following example.

ATV1200 -A 470 - 66 66 A 3 S

Serial Name	Cooling type:	Drive(kVA)	Input voltage*):	Output voltage:	Style:	IP:	Drive efficiency:
	"A" for air cooled		"24"...2.4 kV "33"...3.3 kV "55"...5.5 kV "63"...6.3 kV "66"...6.6 kV "11"...11 kV	"24"...2.4 kV "33"...3.3 kV "55"...5.5 kV "63"...6.3 kV "66"...6.6 kV "11"...11 kV	"S"... Sync. motor control "A"... Async. motor control "B"... Async. motor control with Powercell bypass "Y"... Sync. motor control with Powercell bypass	"3"...IP31 "4"...IP41 "5"...IP42	Drive efficiency "S"... Standard efficiency (≥96%) "H"... High efficiency (≥96.5%)
			"30"...3.0 kV "42"...4.16 kV "60"...6.0 kV "69"...6.9 kV "10"...10 kV	"30"...3.0 kV "42"...4.16 kV "60"...6.0 kV "69"...6.9 kV "10"...10 kV			

**) input voltage must be higher than or equal to the output voltage*

Power specifications for output voltage 3.3 kV

Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 3.3 kV								
ATV1200-A370-3333●●●	370	309	65	52	65	9	18	2200
ATV1200-A470-3333●●●	470	393	82	66	100	9	18	2400
ATV1200-A570-3333●●●	570	477	100	80	100	9	18	2600
ATV1200-A660-3333●●●	660	552	116	93	135	9	18	3200
ATV1200-A770-3333●●●	770	644	135	108	135	9	18	3200
ATV1200-A860-3333●●●	860	719	150	120	150	9	18	3400
ATV1200-A1000-3333●●●	1000	836	175	140	200	9	18	4300
ATV1200-A1140-3333●●●	1140	953	200	160	200	9	18	4600
ATV1200-A1250-3333●●●	1250	1045	220	176	220	9	18	4700
ATV1200-A1400-3333●●●	1400	1170	245	196	280	9	18	5000
ATV1200-A1600-3333●●●	1600	1338	280	224	280	9	18	5400
ATV1200-A1830-3333●●●	1830	1530	320	256	320	9	18	6400
ATV1200-A2000-3333●●●	2000	1672	350	280	410	9	18	6500
ATV1200-A2340-3333●●●	2340	1956	410	328	410	9	18	7100
ATV1200-A2800-3333●●●	2800	2341	490	392	490	9	18	7800
ATV1200-A3150-3333●●●	3150	2633	550	440	550	9	18	9800
ATV1200-A3500-3333●●●	3500	2926	612	490	720	9	18	10200
ATV1200-A3780-3333●●●	3780	3160	661	529	720	9	18	10600
ATV1200-A4120-3333●●●	4120	3444	720	576	720	9	18	11100
ATV1200-A4460-3333●●●	4460	3729	780	624	850	9	18	11800
ATV1200-A4860-3333●●●	4860	4063	850	680	850	9	18	12400

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

3)... Values are calculated with a power factor of 0.88 and efficiency of 95%. The real value must come from the used equipment.

4)... Values valid only for standard efficiency.

Power specifications for output voltage 4.16 kV

Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 4.16 kV								
ATV1200-A350-4242●●●	350	293	49	39	65	12	24	2400
ATV1200-A470-4242●●●	470	393	65	52	65	12	24	2600
ATV1200-A560-4242●●●	560	468	78	62	100	12	24	2800
ATV1200-A720-4242●●●	720	602	100	80	100	12	24	3100
ATV1200-A790-4242●●●	790	660	109	87	150	12	24	3800
ATV1200-A940-4242●●●	940	786	130	104	150	12	24	4000
ATV1200-A1080-4242●●●	1080	903	150	120	150	12	24	4400
ATV1200-A1190-4242●●●	1190	995	165	132	200	12	24	5000
ATV1200-A1450-4242●●●	1450	1212	200	160	200	12	24	5300
ATV1200-A1585-4242●●●	1585	1325	220	176	220	12	24	5600
ATV1200-A1750-4242●●●	1750	1463	243	194	280	12	24	5800
ATV1200-A2020-4242●●●	2020	1689	280	224	280	12	24	6300
ATV1200-A2310-4242●●●	2310	1931	320	256	320	12	24	7700
ATV1200-A2500-4242●●●	2500	2090	347	278	410	12	24	7900
ATV1200-A2960-4242●●●	2960	2475	410	328	410	12	24	8500
ATV1200-A3130-4242●●●	3130	2617	434	347	490	12	24	8800
ATV1200-A3530-4242●●●	3530	2951	490	392	490	12	24	9600
ATV1200-A4000-4242●●●	4000	3344	550	440	550	12	24	12100
ATV1200-A4400-4242●●●	4400	3678	611	489	720	12	24	12500
ATV1200-A4760-4242●●●	4760	3979	661	529	720	12	24	13000
ATV1200-A5200-4242●●●	5200	4347	720	576	720	12	24	13800
ATV1200-A5650-4242●●●	5650	4723	784	627	850	12	24	14200
ATV1200-A6150-4242●●●	6150	5141	850	680	850	12	24	14700

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

3)... Values are calculated with a power factor of 0.88 and efficiency of 95%. The real value must come from the used equipment.

4)... Values valid only for standard efficiency.

Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Power specifications for output voltage 5.5 kV

Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 5.5 kV								
ATV1200-A430-5555●●●	430	359	45	36	65	15	30	2900
ATV1200-A520-5555●●●	520	435	55	44	65	15	30	2900
ATV1200-A620-5555●●●	620	518	65	52	65	15	30	3300
ATV1200-A730-5555●●●	730	610	76	61	100	15	30	3300
ATV1200-A860-5555●●●	860	719	90	72	100	15	30	3600
ATV1200-A960-5555●●●	960	803	100	80	100	15	30	3800
ATV1200-A1090-5555●●●	1090	911	114	91	135	15	30	4100
ATV1200-A1290-5555●●●	1290	1078	135	108	135	15	30	5100
ATV1200-A1430-5555●●●	1430	1195	150	120	150	15	30	5300
ATV1200-A1610-5555●●●	1610	1346	168	135	200	15	30	5500
ATV1200-A1910-5555●●●	1910	1597	200	160	200	15	30	6600
ATV1200-A2100-5555●●●	2100	1756	220	176	220	15	30	6900
ATV1200-A2300-5555●●●	2300	1923	241	192	280	15	30	7200
ATV1200-A2670-5555●●●	2670	2232	280	224	280	15	30	7800
ATV1200-A2870-5555●●●	2870	2399	301	241	320	15	30	8100
ATV1200-A3050-5555●●●	3050	2550	320	256	320	15	30	10000
ATV1200-A3210-5555●●●	3210	2684	337	269	410	15	30	10300
ATV1200-A3610-5555●●●	3610	3018	379	303	410	15	30	10900
ATV1200-A3910-5555●●●	3910	3269	410	328	410	15	30	11100
ATV1200-A4100-5555●●●	4100	3428	430	344	490	15	30	11300
ATV1200-A4680-5555●●●	4680	3912	490	392	490	15	30	12500
ATV1200-A5250-5555●●●	5250	4389	550	440	550	15	30	15300
ATV1200-A5810-5555●●●	5810	4857	611	489	720	15	30	15600
ATV1200-A6300-5555●●●	6300	5267	660	528	720	15	30	16500
ATV1200-A6900-5555●●●	6900	5768	720	576	720	15	30	18400
ATV1200-A7450-5555●●●	7450	6228	780	624	850	15	30	19900
ATV1200-A8100-5555●●●	8100	6772	850	680	850	15	30	20300

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

3)... Values are calculated with a power factor of 0.88 and efficiency of 95%. The real value must come from the used equipment.

4)... Values valid only for standard efficiency.

Power specifications for output voltage 6.0 kV								
Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 6.0 kV								
ATV1200-A470-6060●●●	470	393	45	36	65	15	30	2900
ATV1200-A570-6060●●●	570	477	55	44	65	15	30	2900
ATV1200-A670-6060●●●	670	560	65	52	65	15	30	3300
ATV1200-A790-6060●●●	790	660	76	61	100	15	30	3300
ATV1200-A940-6060●●●	940	786	90	72	100	15	30	3600
ATV1200-A1040-6060●●●	1040	869	100	80	100	15	30	3800
ATV1200-A1190-6060●●●	1190	995	114	91	135	15	30	4100
ATV1200-A1400-6060●●●	1400	1170	135	108	135	15	30	5100
ATV1200-A1560-6060●●●	1560	1304	150	120	150	15	30	5300
ATV1200-A1750-6060●●●	1750	1463	168	135	200	15	30	5500
ATV1200-A2080-6060●●●	2080	1739	200	160	200	15	30	6600
ATV1200-A2290-6060●●●	2290	1914	220	176	220	15	30	6900
ATV1200-A2500-6060●●●	2500	2090	241	192	280	15	30	7200
ATV1200-A2910-6060●●●	2910	2433	280	224	280	15	30	7800
ATV1200-A3130-6060●●●	3130	2617	301	241	320	15	30	8100
ATV1200-A3325-6060●●●	3325	2780	320	256	320	15	30	10000
ATV1200-A3500-6060●●●	3500	2926	337	269	410	15	30	10300
ATV1200-A3940-6060●●●	3940	3294	379	303	410	15	30	10900
ATV1200-A4260-6060●●●	4260	3561	410	328	410	15	30	11100
ATV1200-A4470-6060●●●	4470	3737	430	344	490	15	30	11300
ATV1200-A5100-6060●●●	5100	4264	490	392	490	15	30	12500
ATV1200-A5720-6060●●●	5720	4782	550	440	550	15	30	15300
ATV1200-A6350-6060●●●	6350	5309	611	489	720	15	30	15600
ATV1200-A6860-6060●●●	6860	5735	660	528	720	15	30	16500
ATV1200-A7500-6060●●●	7500	6270	720	576	720	15	30	18400
ATV1200-A8110-6060●●●	8110	6780	780	624	850	15	30	19900
ATV1200-A8840-6060●●●	8840	7390	850	680	850	15	30	20300

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

3)... Values are calculated with a power factor of 0.88 and efficiency of 95%. The real value must come from the used equipment.

4)... Values valid only for standard efficiency.

Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

Power specifications for output voltage 6.3 kV

Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 6.3 kV								
ATV1200-A450-6363●●●	450	376	41	33	65	18	36	3100
ATV1200-A530-6363●●●	530	443	49	39	65	18	36	3300
ATV1200-A720-6363●●●	720	602	65	52	65	18	36	3500
ATV1200-A820-6363●●●	820	686	75	60	100	18	36	3600
ATV1200-A900-6363●●●	900	752	82	66	100	18	36	3800
ATV1200-A1020-6363●●●	1020	853	93	74	100	18	36	4100
ATV1200-A1100-6363●●●	1100	920	100	80	100	18	36	4200
ATV1200-A1190-6363●●●	1190	995	109	87	135	18	36	5000
ATV1200-A1480-6363●●●	1480	1237	135	108	135	18	36	5500
ATV1200-A1640-6363●●●	1640	1371	150	120	150	18	36	5800
ATV1200-A1970-6363●●●	1970	1647	180	144	200	18	36	7200
ATV1200-A2190-6363●●●	2190	1831	200	160	200	18	36	7500
ATV1200-A2400-6363●●●	2400	2006	220	176	220	18	36	7800
ATV1200-A2670-6363●●●	2670	2232	245	196	280	18	36	8300
ATV1200-A3050-6363●●●	3050	2550	280	224	280	18	36	8700
ATV1200-A3490-6363●●●	3490	2918	320	256	320	18	36	11200
ATV1200-A3760-6363●●●	3760	3143	344	276	410	18	36	11800
ATV1200-A4240-6363●●●	4240	3545	388	311	410	18	36	12400
ATV1200-A4470-6363●●●	4470	3737	410	328	410	18	36	12400
ATV1200-A4770-6363●●●	4770	3988	437	350	490	18	36	13300
ATV1200-A5350-6363●●●	5350	4473	490	392	490	18	36	13800
ATV1200-A6000-6363●●●	6000	5016	550	440	550	18	36	16700
ATV1200-A6660-6363●●●	6660	5568	612	490	720	18	36	18300
ATV1200-A7200-6363●●●	7200	6019	660	528	720	18	36	19000
ATV1200-A7860-6363●●●	7860	6571	720	576	720	18	36	20800
ATV1200-A8550-6363●●●	8550	7148	783	626	850	18	36	21400
ATV1200-A9300-6363●●●	9300	7775	850	680	850	18	36	22300

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

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4)... Values valid only for standard efficiency.

Power specifications for output voltage 6.6 kV								
Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 6.6 kV								
ATV1200-A470-6666●●●	470	393	41	33	65	18	36	3100
ATV1200-A560-6666●●●	560	468	49	39	65	18	36	3300
ATV1200-A750-6666●●●	750	627	65	52	65	18	36	3500
ATV1200-A860-6666●●●	860	719	69	55	100	18	36	3600
ATV1200-A940-6666●●●	940	786	82	66	100	18	36	3800
ATV1200-A1070-6666●●●	1070	895	93	74	100	18	36	4100
ATV1200-A1150-6666●●●	1150	961	100	80	100	18	36	4200
ATV1200-A1250-6666●●●	1250	1045	109	87	135	18	36	5000
ATV1200-A1550-6666●●●	1550	1296	135	108	135	18	36	5500
ATV1200-A1715-6666●●●	1715	1434	150	120	150	18	36	5800
ATV1200-A2060-6666●●●	2060	1722	180	144	200	18	36	7200
ATV1200-A2290-6666●●●	2290	1914	200	160	200	18	36	7500
ATV1200-A2515-6666●●●	2515	2103	220	176	220	18	36	7800
ATV1200-A2800-6666●●●	2800	2341	245	196	280	18	36	8300
ATV1200-A3200-6666●●●	3200	2675	280	224	280	18	36	8700
ATV1200-A3660-6666●●●	3660	3060	320	256	320	18	36	11200
ATV1200-A3940-6666●●●	3940	3294	344	276	410	18	36	11800
ATV1200-A4440-6666●●●	4440	3712	388	311	410	18	36	12400
ATV1200-A4685-6666●●●	4685	3917	410	328	410	18	36	12400
ATV1200-A5000-6666●●●	5000	4180	437	350	490	18	36	13300
ATV1200-A5600-6666●●●	5600	4682	490	392	490	18	36	13800
ATV1200-A6300-6666●●●	6300	5267	550	440	550	18	36	16700
ATV1200-A7000-6666●●●	7000	5852	612	490	720	18	36	18300
ATV1200-A7550-6666●●●	7550	6312	660	528	720	18	36	19000
ATV1200-A8250-6666●●●	8250	6897	720	576	720	18	36	20800
ATV1200-A8950-6666●●●	8950	7482	783	626	850	18	36	21400
ATV1200-A9750-6666●●●	9750	8151	850	680	850	18	36	22300

1)... Please contact Schneider Electric for other combinations of input and output voltage.

2)... For higher drive capacity please contact Schneider Electric.

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4)... Values valid only for standard efficiency.

Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

Power specifications for output voltage 10 kV

Model ¹⁾	Type rating ²⁾ [kVA]	Motor power ³⁾ [kW]	Nominal Continuous current [A]		Power cell current [A]	Number of Power cells	Number of Input Pulses	Weight ⁴⁾ [kg]
			Standard overload 120%	High overload 150%				
Voltage class: 10 kV								
ATV1200-A470-1010●●●	470	393	27	22	35	24	48	4100
ATV1200-A610-1010●●●	610	510	35	28	35	24	48	4300
ATV1200-A700-1010●●●	700	585	40	32	65	24	48	4400
ATV1200-A790-1010●●●	790	660	46	36	65	24	48	4500
ATV1200-A940-1010●●●	940	786	54	43	65	24	48	4700
ATV1200-A1070-1010●●●	1070	895	62	49	65	24	48	4900
ATV1200-A1130-1010●●●	1130	945	65	52	65	24	48	5000
ATV1200-A1250-1010●●●	1250	1045	72	58	100	24	48	5100
ATV1200-A1570-1010●●●	1570	1313	91	73	100	24	48	5500
ATV1200-A1730-1010●●●	1730	1446	100	80	100	24	48	5700
ATV1200-A2000-1010●●●	2000	1672	115	92	135	24	48	6900
ATV1200-A2340-1010●●●	2340	1956	135	108	135	24	48	7300
ATV1200-A2600-1010●●●	2600	2174	150	120	150	24	48	7900
ATV1200-A2800-1010●●●	2800	2341	162	129	200	24	48	9100
ATV1200-A3130-1010●●●	3130	2617	181	145	200	24	48	9400
ATV1200-A3470-1010●●●	3470	2901	200	160	200	24	48	9900
ATV1200-A3810-1010●●●	3810	3185	220	176	220	24	48	10300
ATV1200-A4440-1010●●●	4440	3712	256	205	280	24	48	11500
ATV1200-A4850-1010●●●	4850	4055	280	224	280	24	48	12000
ATV1200-A5000-1010●●●	5000	4180	289	231	320	24	48	14800
ATV1200-A5540-1010●●●	5540	4631	320	256	320	24	48	15200
ATV1200-A6250-1010●●●	6250	5225	361	289	410	24	48	16700
ATV1200-A7100-1010●●●	7100	5936	410	328	410	24	48	18300
ATV1200-A7900-1010●●●	7900	6604	456	365	490	24	48	20100
ATV1200-A8500-1010●●●	8500	7106	490	393	490	24	48	20100
ATV1200-A9530-1010●●●	9530	7967	550	440	660	24	48	26200
ATV1200-A10600-1010●●●	10600	8862	612	490	734	24	48	26700
ATV1200-A11500-1010●●●	11500	9614	664	531	797	24	48	28400
ATV1200-A12500-1010●●●	12500	10450	720	576	864	24	48	30400
ATV1200-A13500-1010●●●	13500	11286	779	624	935	24	48	32000
ATV1200-A14750-1010●●●	14750	12331	850	680	1020	24	48	37400

1)... Please contact Schneider Electric for other combinations of input and output voltage.

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4)... Values valid only for standard efficiency.

General technical data	
Input	18-54 pulse diode rectifier bridge
Output	Multilevel PWM with 2 level low-voltage IGBT inverter cells
Input voltage	<ul style="list-style-type: none"> ■ 2.4kV, 3.0kV, 3.3kV, 4.16kV, 5.5kV, 6.0kV, 6.3kV, 6.6kV, 6.9kV, 10kV, 11kV, 13.8 kV ■ Variation: standard\pm10%
Allowable voltage fluctuation	The drive is subject to de-rating operation when the voltage drop of power supply is within -25%
Input frequency	50/60 Hz \pm 5%
Acceleration / deceleration time	0-3200 s
Overload capability	<ul style="list-style-type: none"> ■ Standard overload 120% 60s/10 min and 150% 3s/10 min, instant trip threshold 200% ■ High overload 150% 60s/10 min, 185% 3s/10 min, instant trip threshold 250%
Total harmonics THD(i)	Comply with the requirements of power quality standard of IEEE519-1992
Frequency resolution	0.01 Hz
Trigger signal transmission	Fiber optic transmission
Input power factor	\geq 0.96 from 20 % to 100 % of speed
Efficiency at rated power	The efficiency of the drive including input transformer 96% or over 96.5% depending on product Inverter efficiency without transformer is 98.5%
Type of motor	Asynchronous motor, synchronous motor
Three-phase output voltage for motor connection	0...2400V - 0...3000V - 0...3300V - 0...4160V - 0...5500V - 0...6000V 0...6300V - 0...6600V - 0...6900V - 0...10000V - 0...11000V
Output frequency	120Hz for V/f, 70Hz for Vector Control
Input transformer	Indoor type integrated in the frequency variable device, the dry phase-shifting transformer can be supplied with 18 – 54 pulse rectifier
Control power supply	220 VAC, 3 kVA capacity, other voltage on request, with UPS 30 min autonomy
Protection class	<ul style="list-style-type: none"> ■ Standard: IP31 ■ Option: IP41, IP42
Cooling fan power supply	Internal from the drive transformer secondary (does not require additional auxiliary supply)
Paint	RAL 7032
Cooling	Forced air ventilation
Reference standard	IEC EN 61800-3, IEC EN 61800-4, IEC EN 61800-5-1, IEC EN 60204-11, IEC EN 60529, IEEE 519 and other optional ones
Environment features	
Storage temperature	-10°C to 60°C
Working temperature	0-40°C, up to 50°C possible with derating
Cooling method	Forced air cooling
Relative humidity	90% (without condensate), Optional: maximum up to 95%
Altitude	\leq 1000 m without derating. With derating of 0.6% every 100m up to 2000 meters, can be customized for high altitude
Vibration	Acceleration: 4.9 m/s ² acceptable (10-50 Hz)
Noise level	\leq 80 dB (A) (including the noise of the cooling fans on the cabinet top)
Pollution Degree	Degree 2 of IEC61800 (Adjustable speed electrical power drive systems – Part 5-1:Safety requirements –Electrical, thermal and energy)
Over Voltage Category	Category II of IEC61800 (Adjustable speed electrical power drive systems – Part 5-1:Safety requirements –Electrical, thermal and energy)

Power derating of output current (motor capacity)

Depending on the maximum ambient temperature and the altitude a power derating is possible or a power reduction is necessary. This can be determined by means of the diagrams.

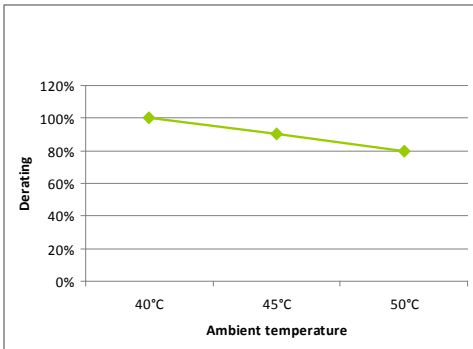
Temperature derating

In case of ambient temperature above 40 degree C the drive rated current shall be derated by 10% every 5 degrees. The maximum working condition limit is 50 degrees C.

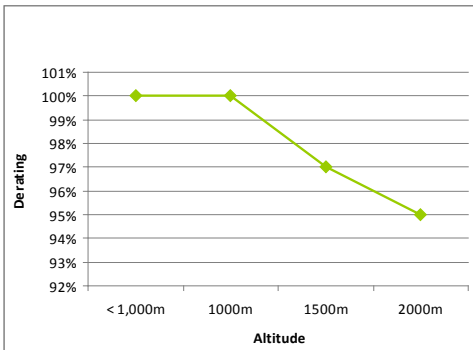
Altitude derating

In addition to temperature derating mentioned above, an altitude derating is to be applied above 1000 meters.

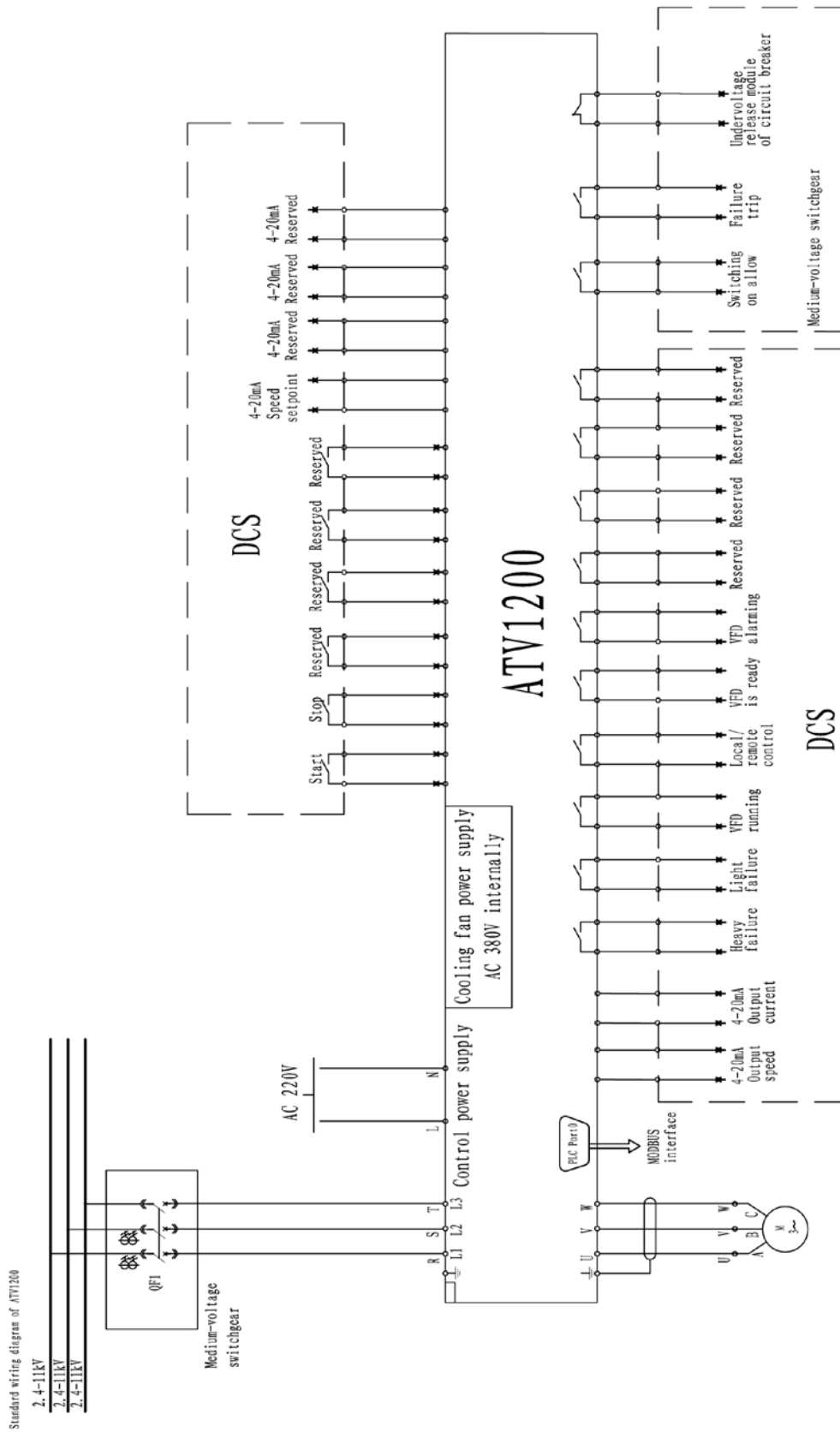
Available continuous output current decreases by 0.6% per 100 meters up to 2000 meters. Contact Schneider Electric for higher altitude.



Derating at higher ambient temperature



Derating at higher altitude
(Above 2000 m on request)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 3.3 kV

Technical data for output voltage 3.3 kV			
ATV1200	A370–3333●●●	A470–3333●●●	A570–3333●●●
Nominal data			
Type rating [kVA]			
	370	470	570
Motor power [kW]			
	309	393	477
Continuous output current [A]			
With 120 % overload	65	82	100
With 150 % overload	52	66	80
Max. output current [A]			
1 min/10 min	78	98	120
Power cells			
Number of cells per phase			
	3	3	3
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 12 <i>(incl. fan power)</i>	≤ 16 <i>(incl. fan power)</i>	≤ 19 <i>(incl. fan power)</i>
High efficiency	≤ 11 <i>(incl. fan power)</i>	≤ 14 <i>(incl. fan power)</i>	≤ 17 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	9900	9900	9900
High efficiency	13200	13200	13200
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	2200	2400	2600
High efficiency	3300	3500	3800
Dimension[mm] W*D*H			
Standard efficiency	2460x1400x2520	2460x1400x2520	2460x1400x2520
High efficiency	2760x1500x2670	2760x1500x2670	2760x1500x2670
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

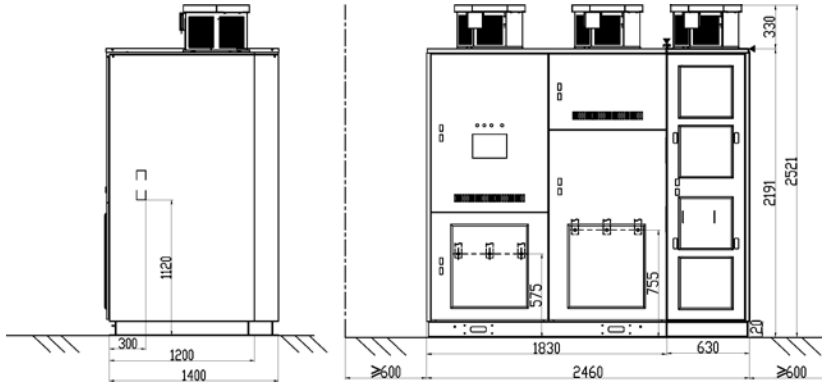
Altivar 1200

Medium Voltage Drive Systems

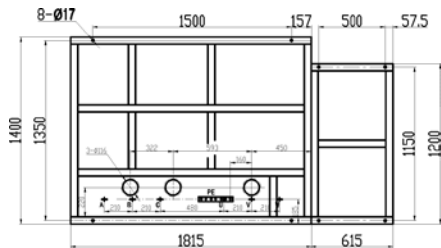
Output voltage 3.3 kV

ATV1200-A370-3333●●S ... A570-3333●●S

Front view



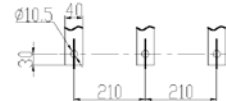
Footprint



Cable connection

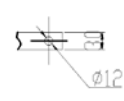
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



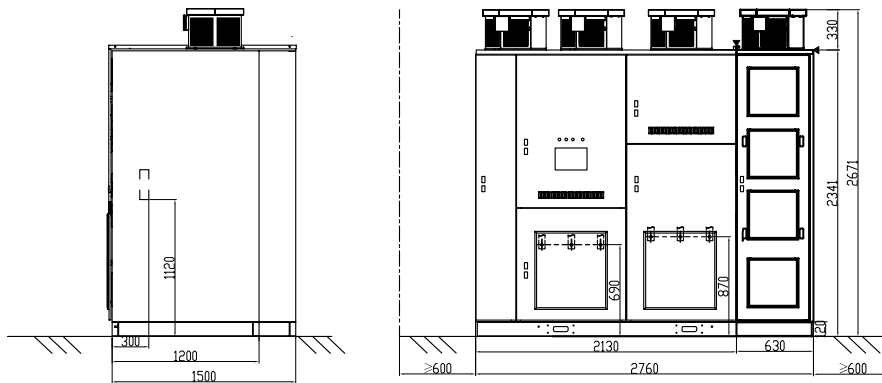
Earthing Busbar

PE
(Cu 3x30)

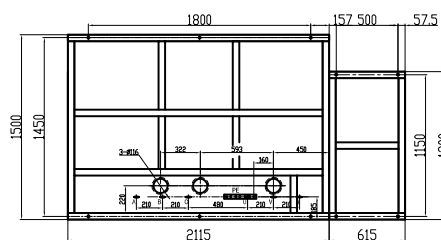


ATV1200-A370-3333●●H ... A570-3333●●H

Front view



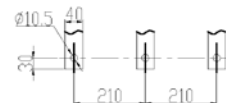
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A660-3333●●●
Nominal data	
Type rating [kVA]	
	660
Motor power [kW]	
	552
Continuous output current [A]	
With 120 % overload	116
With 150 % overload	93
Max. output current [A]	
1 min/10 min	139
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 22 <i>(incl. fan power)</i>
High efficiency	≤ 19 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	9900
High efficiency	13200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3200
High efficiency	4100
Dimension[mm] W*D*H	
Standard efficiency	2760x1400x2520
High efficiency	3060x1500x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

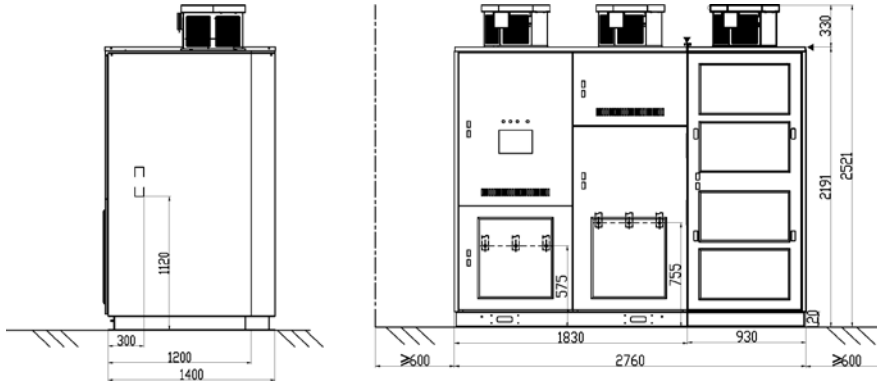
Altivar 1200

Medium Voltage Drive Systems

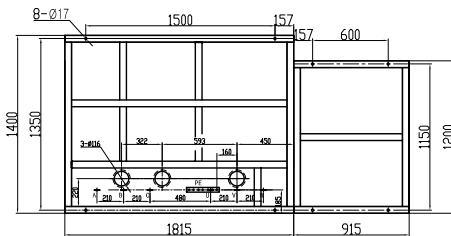
Output voltage 3.3 kV

ATV1200-A660-3333●●S

Front view



Footprint



Cable connection

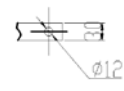
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



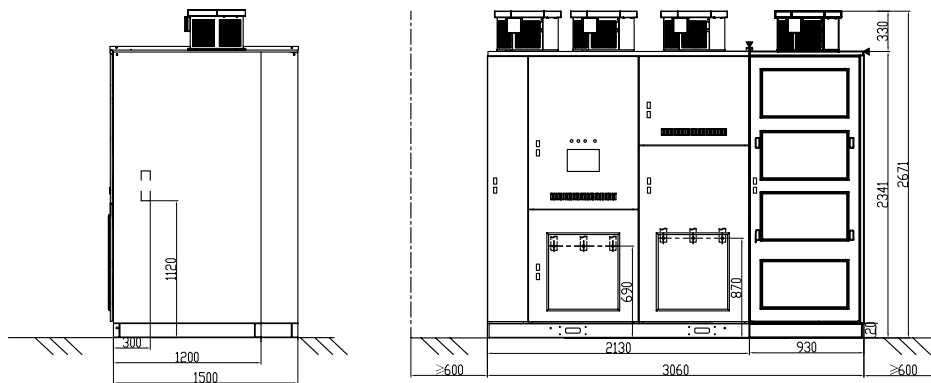
Earthing Busbar

PE
(Cu 3x30)

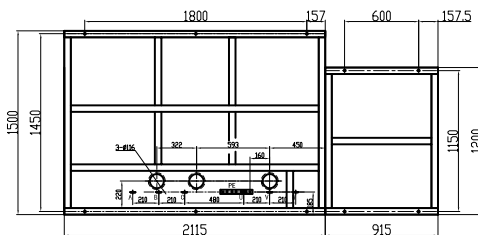


ATV1200-A660-3333●●H

Front view



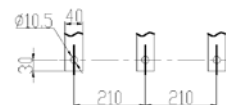
Footprint



Cable connection

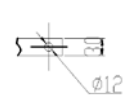
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

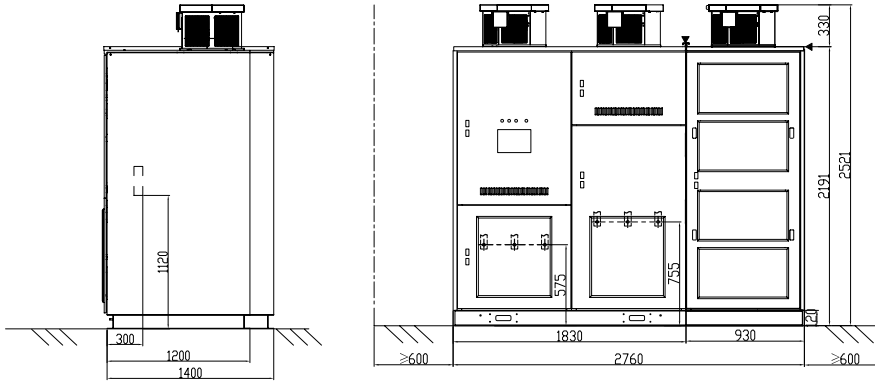
Technical data for output voltage 3.3 kV	
ATV1200	A770-3333●●●
Nominal data	
Type rating [kVA]	
	770
Motor power [kW]	
	644
Continuous output current [A]	
With 120 % overload	135
With 150 % overload	108
Max. output current [A]	
1 min/10 min	162
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 26 <i>(incl. fan power)</i>
High efficiency	≤ 23 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	9900
High efficiency	16500
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3200
High efficiency	4400
Dimension[mm] W*D*H	
Standard efficiency	2760x1400x2520
High efficiency	3360x1500x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

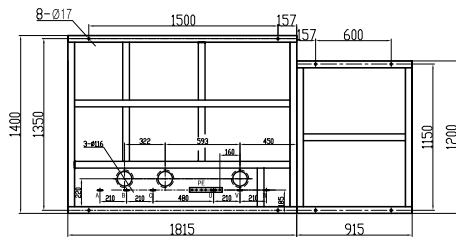
Medium Voltage Drive Systems
Output voltage 3.3 kV

ATV1200-A770-3333●●S

Front view



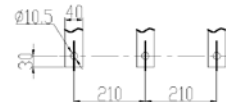
Footprint



Cable connection

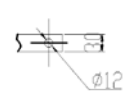
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



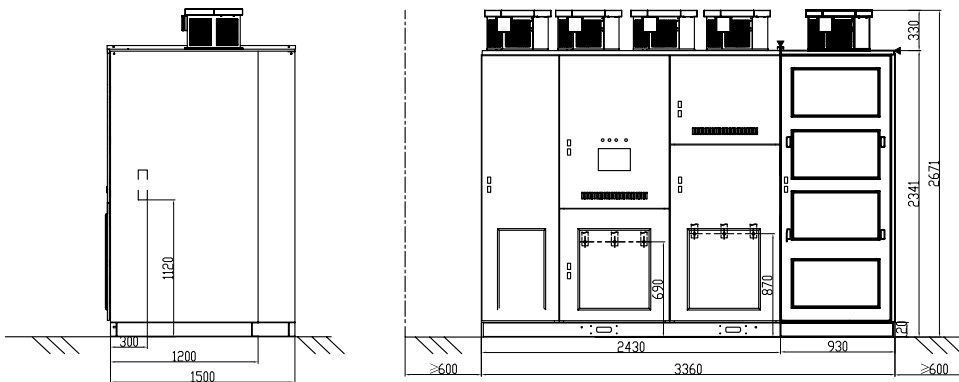
Earthing Busbar

PE
(Cu 3x30)

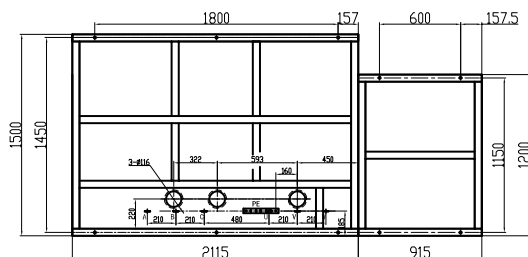


ATV1200-A770-3333●●H

Front view



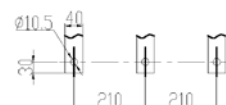
Footprint



Cable connection

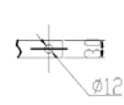
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



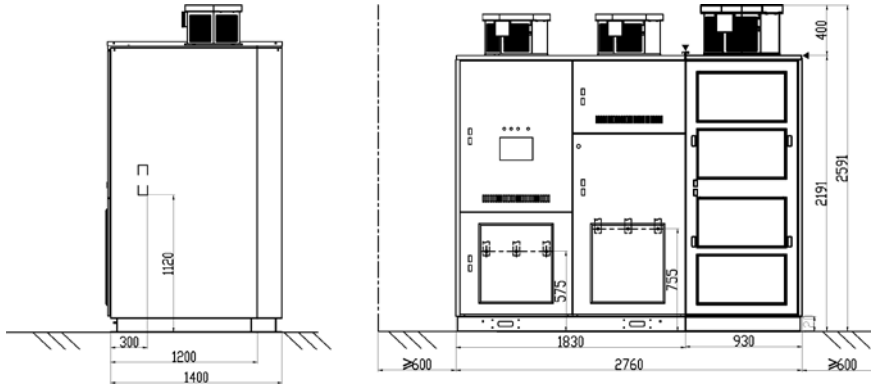
Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

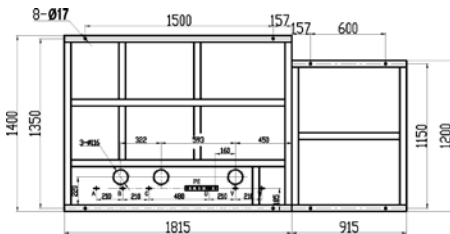
Technical data for output voltage 3.3 kV	
ATV1200	A860-3333●●●
Nominal data	
Type rating [kVA]	
	860
Motor power [kW]	
	719
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 29 <i>(incl. fan power)</i>
High efficiency	≤ 25 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16600
High efficiency	23200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3400
High efficiency	4500
Dimension[mm] W*D*H	
Standard efficiency	2760x1400x2590
High efficiency	3360x1500x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A860-3333●●S

Front view



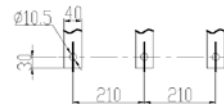
Footprint



Cable connection

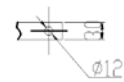
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



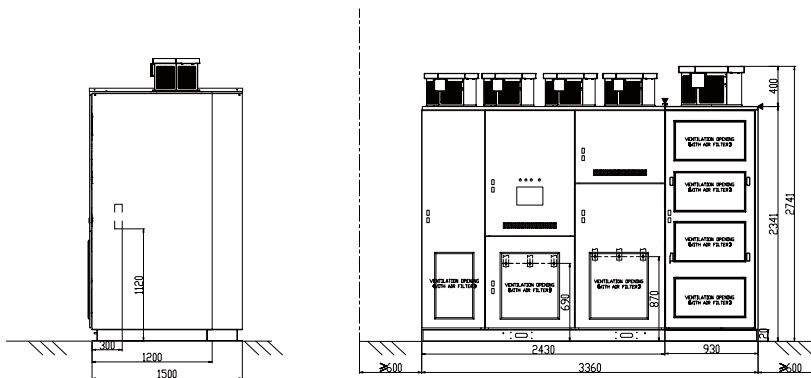
Earthing Busbar

PE
(Cu 3x30)

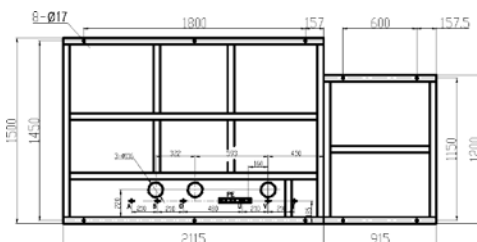


ATV1200-A860-3333●●H

Front view



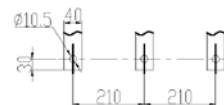
Footprint



Cable connection

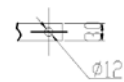
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A1000-3333●●●
Nominal data	
Type rating [kVA]	
	1000
Motor power [kW]	
	836
Continuous output current [A]	
With 120 % overload	175
With 150 % overload	140
Max. output current [A]	
1 min/10 min	210
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 33 <i>(incl. fan power)</i>
High efficiency	≤ 29 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	13200
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	4300
High efficiency	5200
Dimension[mm] W*D*H	
Standard efficiency	3560x1400x2670
High efficiency	3860x1500x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

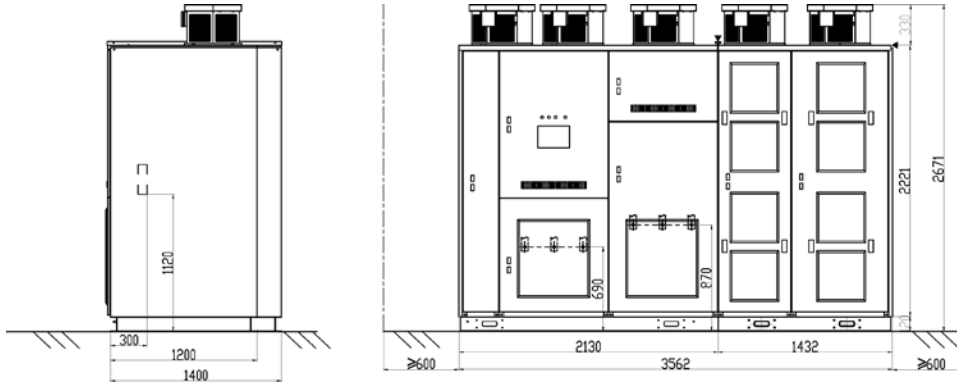
Altivar 1200

Medium Voltage Drive Systems

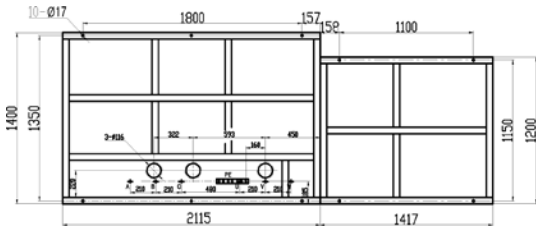
Output voltage 3.3 kV

ATV1200-A1000-3333●●S

Front view



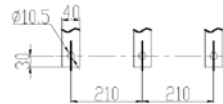
Footprint



Cable connection

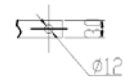
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



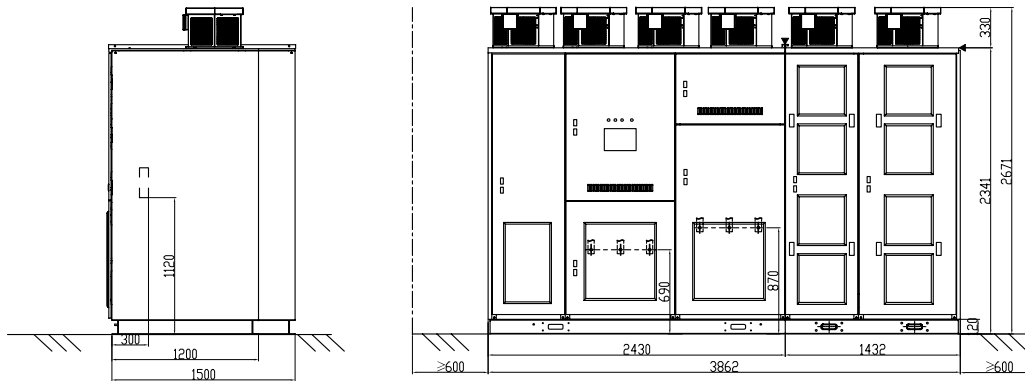
Earthing Busbar

PE
(Cu 3x30)

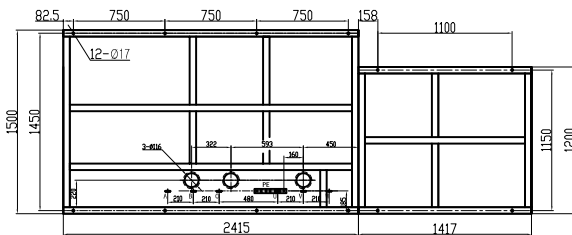


ATV1200-A1000-3333●●H

Front view



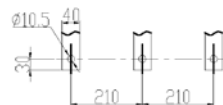
Footprint



Cable connection

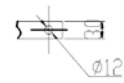
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

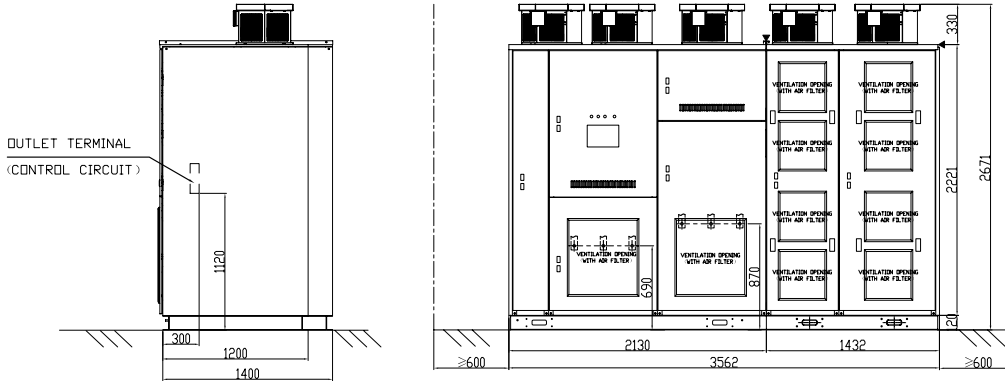
Technical data for output voltage 3.3 kV		
ATV1200	A1140-3333●●●	A1250-3333●●●
Nominal data		
Type rating [kVA]		
	1140	1250
Motor power [kW]		
	953	1045
Continuous output current [A]		
With 120 % overload	200	220
With 150 % overload	160	176
Max. output current [A]		
1 min/10 min	240	264
Power cells		
Number of cells per phase		
	3	3
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 38 <i>(incl. fan power)</i>	≤ 42 <i>(incl. fan power)</i>
High efficiency	≤ 33 <i>(incl. fan power)</i>	≤ 37 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	4600	4700
High efficiency	5500	5800
Dimension[mm] W*D*H		
Standard efficiency	3560x1400x2670	3560x1400x2670
High efficiency	3860x1600x2670	3860x1600x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

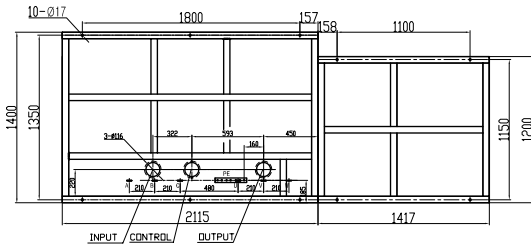
Medium Voltage Drive Systems
Output voltage 3.3 kV

ATV1200-A1150-3333●●S ... A1250-3333●●S

Front view



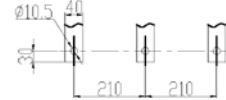
Footprint



Cable connection

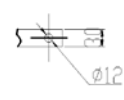
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



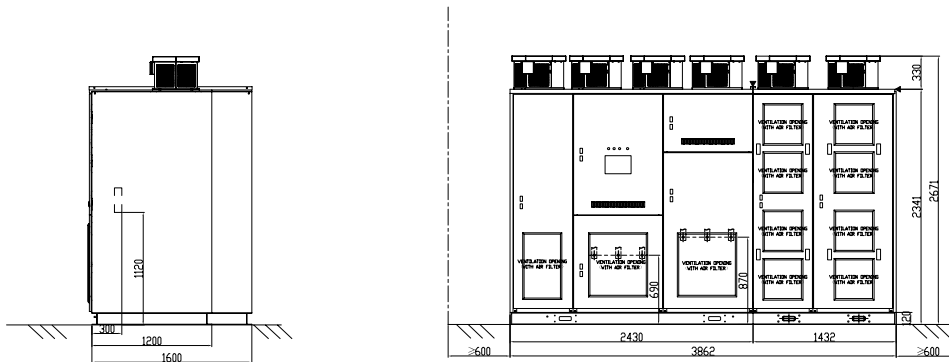
Earthing Busbar

PE
(Cu 3x30)

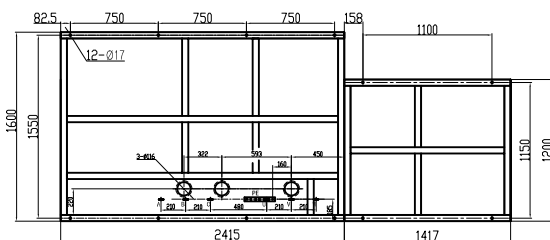


ATV1200-A1150-3333●●H ... A1250-3333●●H

Front view



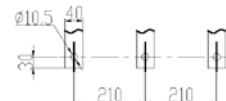
Footprint



Cable connection

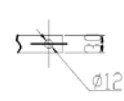
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A1400-3333●●●
Nominal data	
Type rating [kVA]	
	1400
Motor power [kW]	
	1170
Continuous output current [A]	
With 120 % overload	245
With 150 % overload	196
Max. output current [A]	
1 min/10 min	294
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 47 <i>(incl. fan power)</i>
High efficiency	≤ 41 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5000
High efficiency	6100
Dimension[mm] W*D*H	
Standard efficiency	3560x1400x2820
High efficiency	3860x1600x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

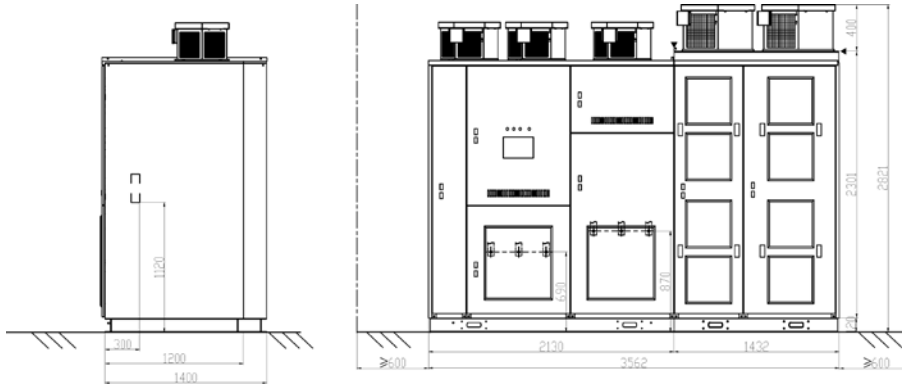
Altivar 1200

Medium Voltage Drive Systems

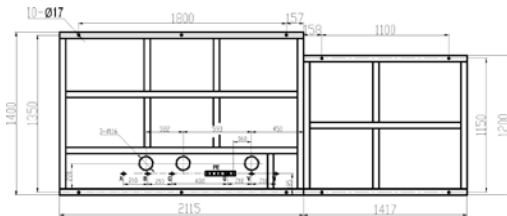
Output voltage 3.3 kV

ATV1200-A1400-3333●●S

Front view



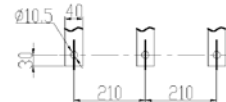
Footprint



Cable connection

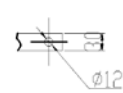
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



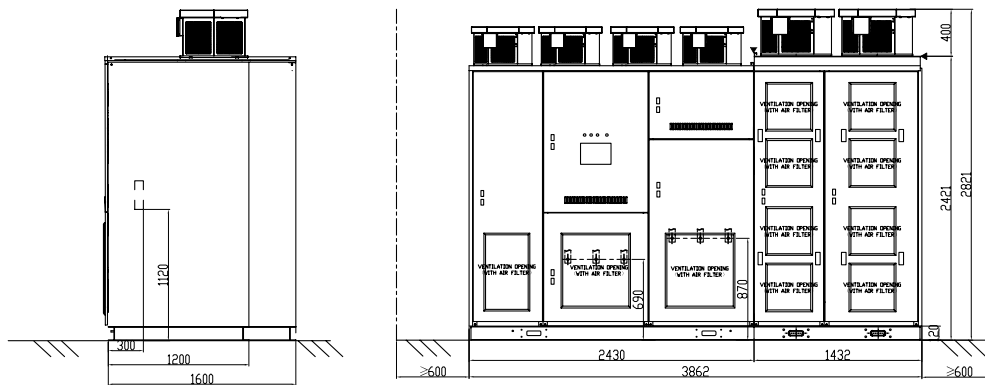
Earthing Busbar

PE
(Cu 3x30)

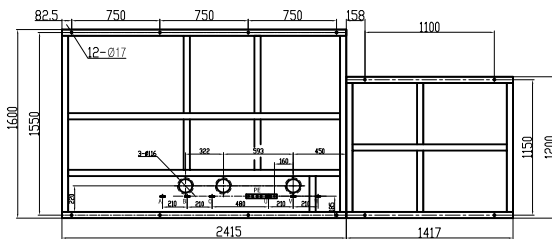


ATV1200-A1400-3333●●H

Front view



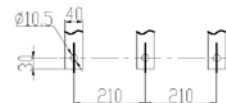
Footprint



Cable connection

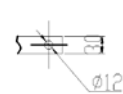
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A1600-3333●●●
Nominal data	
Type rating [kVA]	
	1600
Motor power [kW]	
	1338
Continuous output current [A]	
With 120 % overload	280
With 150 % overload	224
Max. output current [A]	
1 min/10 min	336
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 54 <i>(incl. fan power)</i>
High efficiency	≤ 47 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5400
High efficiency	6200
Dimension[mm] W*D*H	
Standard efficiency	3560x1500x2820
High efficiency	3860x1600x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

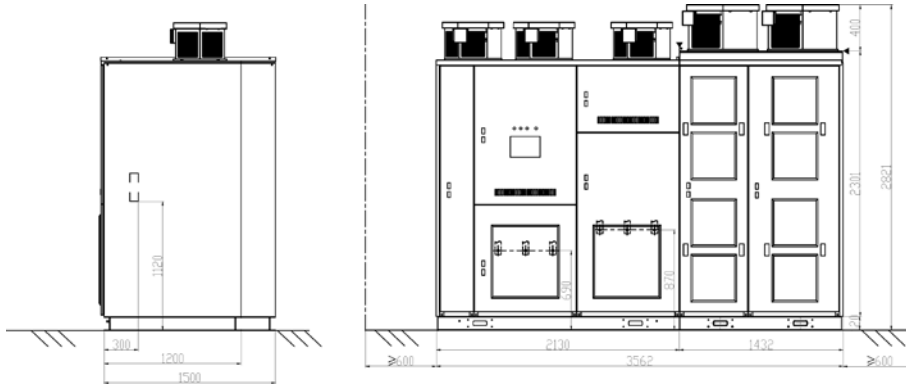
Altivar 1200

Medium Voltage Drive Systems

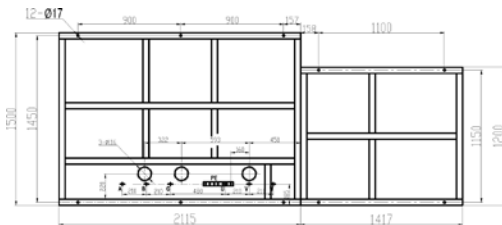
Output voltage 3.3 kV

ATV1200-A1600-3333●●S

Front view



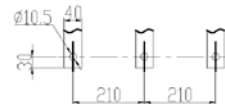
Footprint



Cable connection

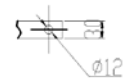
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



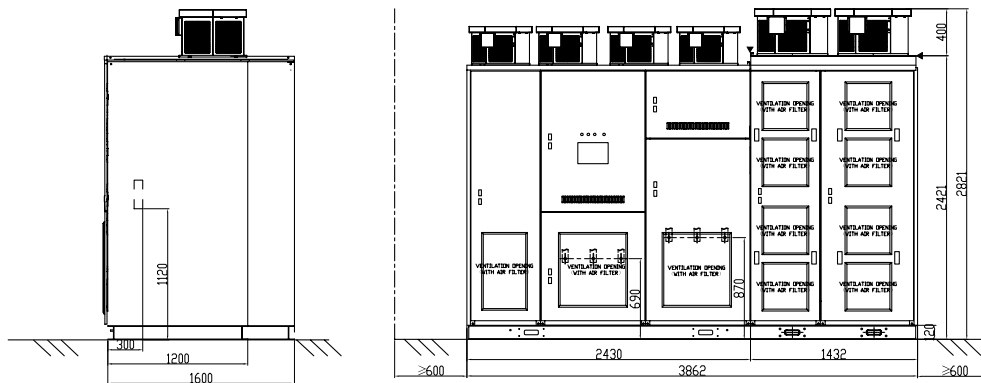
Earthing Busbar

PE
(Cu 3x30)

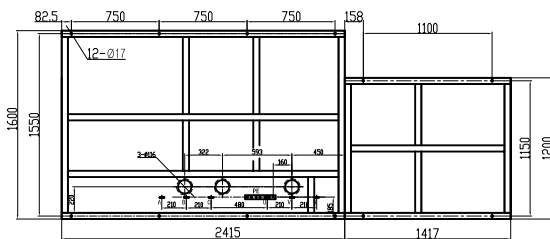


ATV1200-A1600-3333●●H

Front view



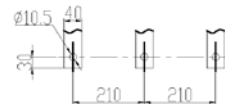
Footprint



Cable connection

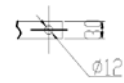
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 3.3 kV

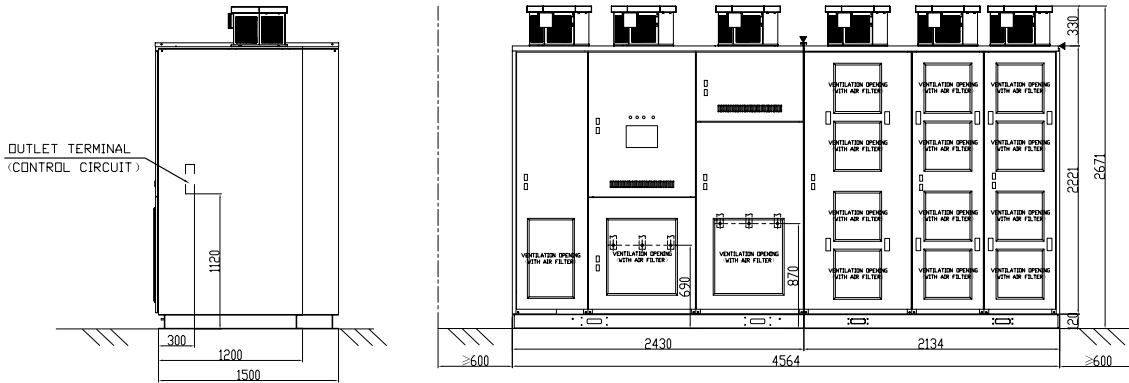
Technical data for output voltage 3.3 kV		
ATV1200	A1830–3333●●●	A2000–3333●●●
Nominal data		
Type rating [kVA]		
	1830	2000
Motor power [kW]		
	1530	1672
Continuous output current [A]		
With 120 % overload	320	350
With 150 % overload	256	280
Max. output current [A]		
1 min/10 min	384	420
Power cells		
Number of cells per phase		
	3	3
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 61 <i>(incl. fan power)</i>	≤ 67 <i>(incl. fan power)</i>
High efficiency	≤ 54 <i>(incl. fan power)</i>	≤ 59 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	19800	19800
High efficiency	23100	23100
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	6400	6500
High efficiency	7500	7700
Dimension[mm] W*D*H		
Standard efficiency	4560x1500x2670	4560x1500x2670
High efficiency	4860x1700x2670	4860x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

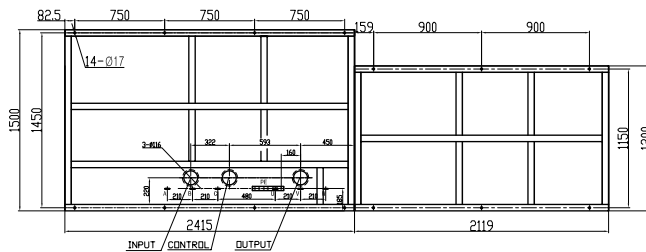
Medium Voltage Drive Systems
Output voltage 3.3 kV

ATV1200-A1830-3333●●S ... A2000-3333●●S

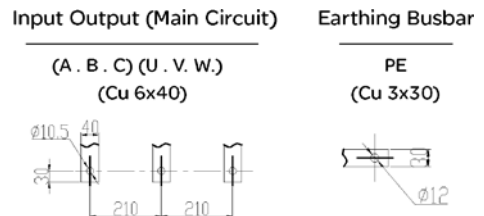
Front view



Footprint

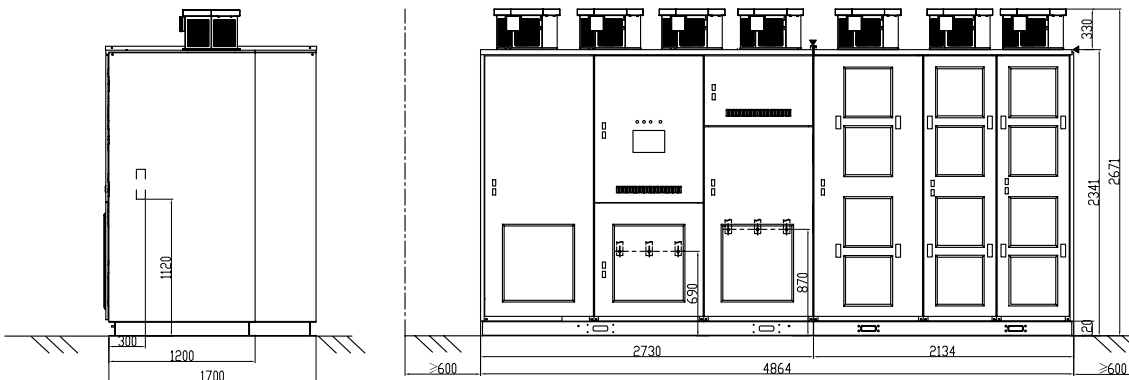


Cable connection

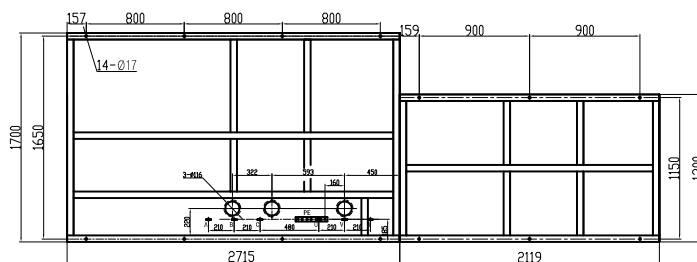


ATV1200-A1830-3333●●H ... A2000-3333●●H

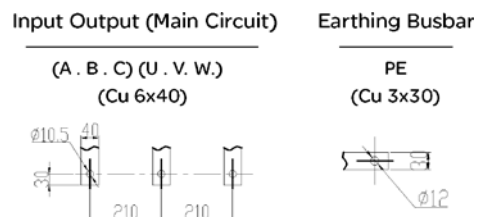
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A2340-3333●●●
Nominal data	
Type rating [kVA]	
	2340
Motor power [kW]	
	1956
Continuous output current [A]	
With 120 % overload	410
With 150 % overload	328
Max. output current [A]	
1 min/10 min	492
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 78 <i>(incl. fan power)</i>
High efficiency	≤ 68 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	23100
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7100
High efficiency	8200
Dimension[mm] W*D*H	
Standard efficiency	4560x1600x2670
High efficiency	4860x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

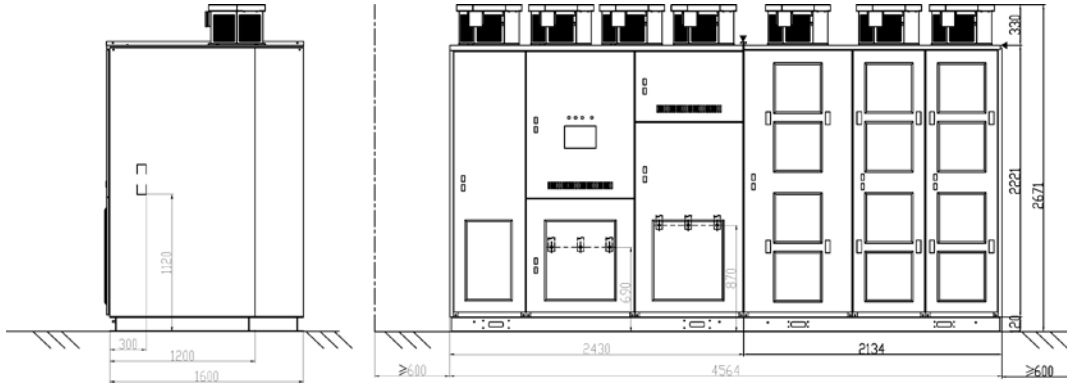
Altivar 1200

Medium Voltage Drive Systems

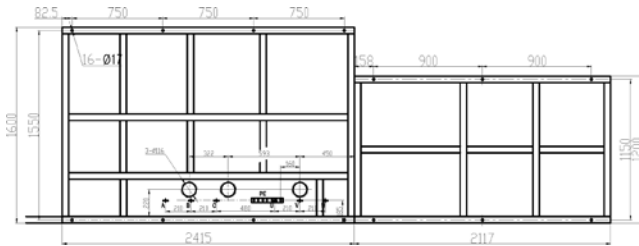
Output voltage 3.3 kV

ATV1200-A2340-3333●●S

Front view



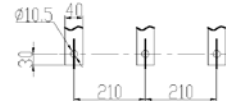
Footprint



Cable connection

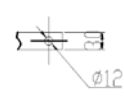
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



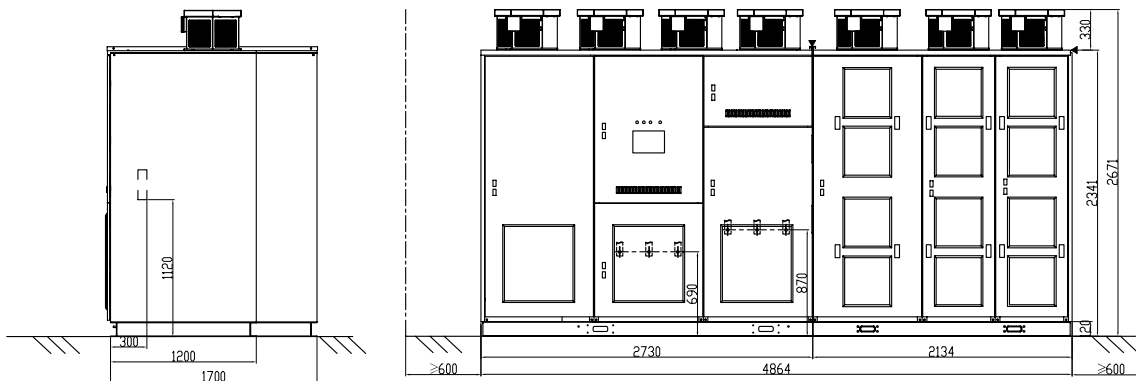
Earthing Busbar

PE
(Cu 3x30)

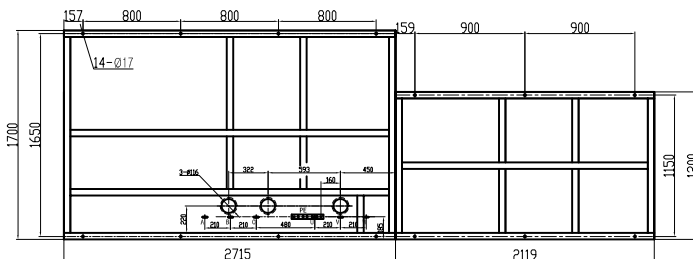


ATV1200-A2340-3333●●H

Front view



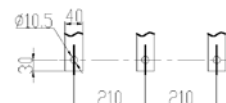
Footprint



Cable connection

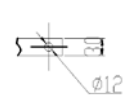
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 3.3 kV

Technical data for output voltage 3.3 kV	
ATV1200	A2800-3333●●●
Nominal data	
Type rating [kVA]	
	2800
Motor power [kW]	
	2341
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	3
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 94 <i>(incl. fan power)</i>
High efficiency	≤ 82 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	33200
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7800
High efficiency	9100
Dimension[mm] W*D*H	
Standard efficiency	4560x1600x2820
High efficiency	4860x1700x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

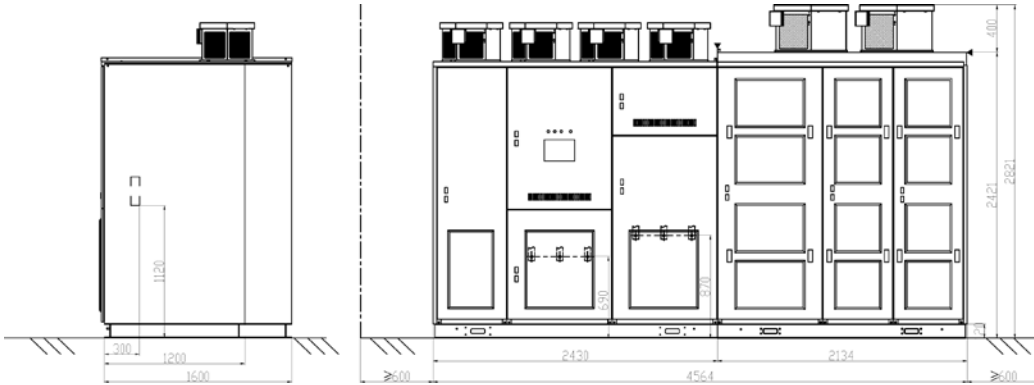
Altivar 1200

Medium Voltage Drive Systems

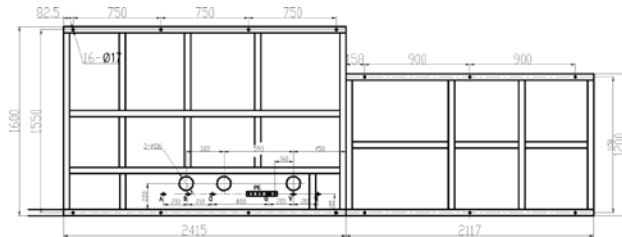
Output voltage 3.3 kV

ATV1200-A2800-3333●●S

Front view



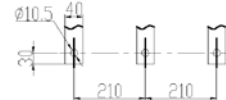
Footprint



Cable connection

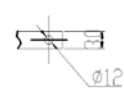
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



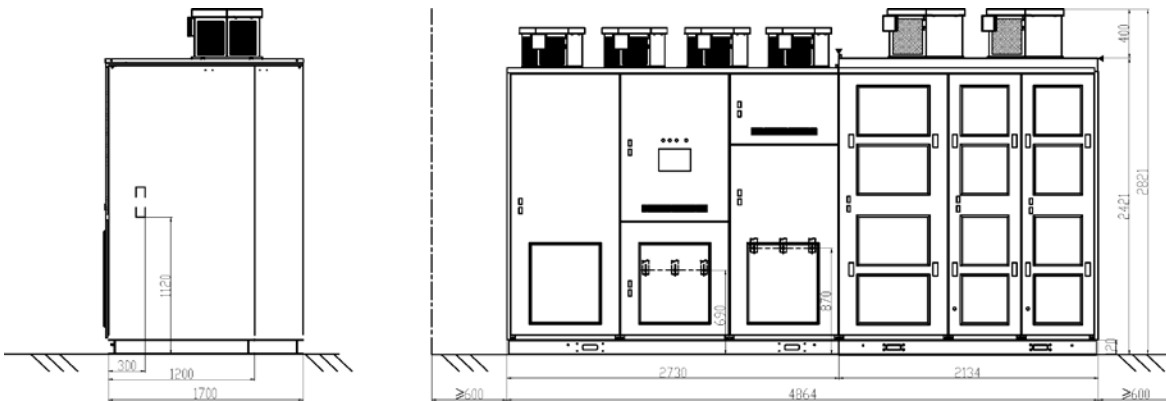
Earthing Busbar

PE
(Cu 3x30)

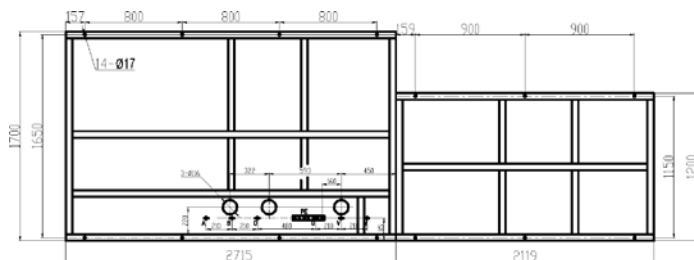


ATV1200-A2800-3333●●H

Front view



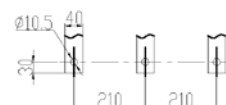
Footprint



Cable connection

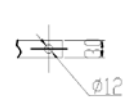
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 3.3 kV

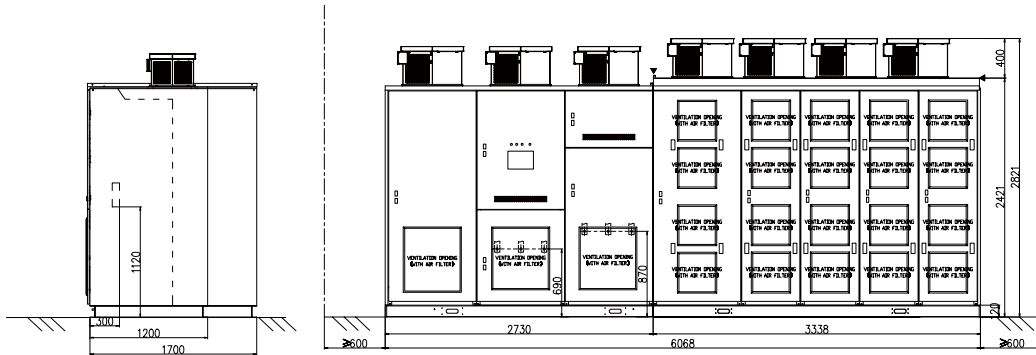
Technical data for output voltage 3.3 kV			
ATV1200	A3150-3333●●●	A3500-3333●●●	A3780-3333●●●
Nominal data			
Type rating [kVA]			
	3150	3500	3780
Motor power [kW]			
	2633	2926	3160
Continuous output current [A]			
With 120 % overload	550	612	661
With 150 % overload	440	490	529
Max. output current [A]			
1 min/10 min	660	735	794
Power cells			
Number of cells per phase			
	3	3	3
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 105 <i>(incl. fan power)</i>	≤ 117 <i>(incl. fan power)</i>	≤ 126 <i>(incl. fan power)</i>
High efficiency	≤ 92 <i>(incl. fan power)</i>	≤ 102 <i>(incl. fan power)</i>	≤ 111 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	60000	60000	60000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	9800	10200	10600
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	5870x1700x2740	5870x1700x2740	5870x1700x2740
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

Altivar 1200

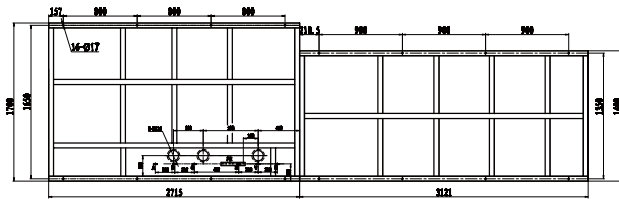
Medium Voltage Drive Systems
Output voltage 3.3 kV

ATV1200-A3150-3333...S...A3780-3333...S

Front view

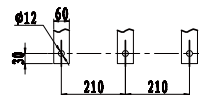


Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)
(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR
PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 3.3 kV

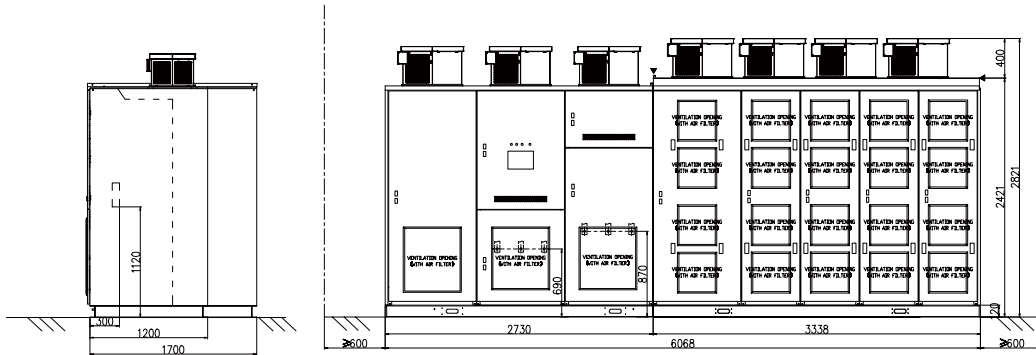
Technical data for output voltage 3.3 kV			
ATV1200	A4120-3333●●●	A4460-3333●●●	A4860-3333●●●
Nominal data			
Type rating [kVA]			
	4120	4460	4860
Motor power [kW]			
	3444	3729	4063
Continuous output current [A]			
With 120 % overload	720	780	850
With 150 % overload	576	624	680
Max. output current [A]			
1 min/10 min	864	936	1020
Power cells			
Number of cells per phase			
	3	3	3
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 138 <i>(incl. fan power)</i>	≤ 149 <i>(incl. fan power)</i>	≤ 163 <i>(incl. fan power)</i>
High efficiency	≤ 121 <i>(incl. fan power)</i>	≤ 130 <i>(incl. fan power)</i>	≤ 142 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	60000	60000	60000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	11100	11800	12400
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	5870x1700x2740	5870x1700x2740	5870x1700x2740
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

Altivar 1200

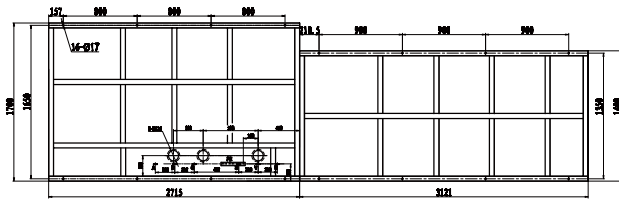
Medium Voltage Drive Systems
Output voltage 3.3 kV

ATV1200-A4120-3333●●S-A4860-3333●●S

Front view

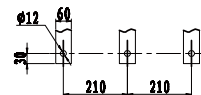


Footprint

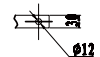


Cable connection

INPUT OUTPUT (MAIN CIRCUIT)
(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR
PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

Technical data for output voltage 4.16 kV			
ATV1200	A350–4242●●●	A470–4242●●●	A560–4242●●●
Nominal data			
Type rating [kVA]			
	350	470	560
Motor power [kW]			
	293	393	468
Continuous output current [A]			
With 120 % overload	49	65	78
With 150 % overload	39	52	62
Max. output current [A]			
1 min/10 min	58	78	94
Power cells			
Number of cells per phase			
	4	4	4
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 12 <i>(incl. fan power)</i>	≤ 16 <i>(incl. fan power)</i>	≤ 19 <i>(incl. fan power)</i>
High efficiency	≤ 10 <i>(incl. fan power)</i>	≤ 14 <i>(incl. fan power)</i>	≤ 16 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	9900	9900	9900
High efficiency	13200	13200	13200
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	2400	2600	2800
High efficiency	3400	3700	3900
Dimension[mm] W*D*H			
Standard efficiency	2660x1400x2520	2660x1400x2520	2660x1400x2520
High efficiency	2960x1500 x2670	2960x1500 x2670	2960x1500 x2670
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

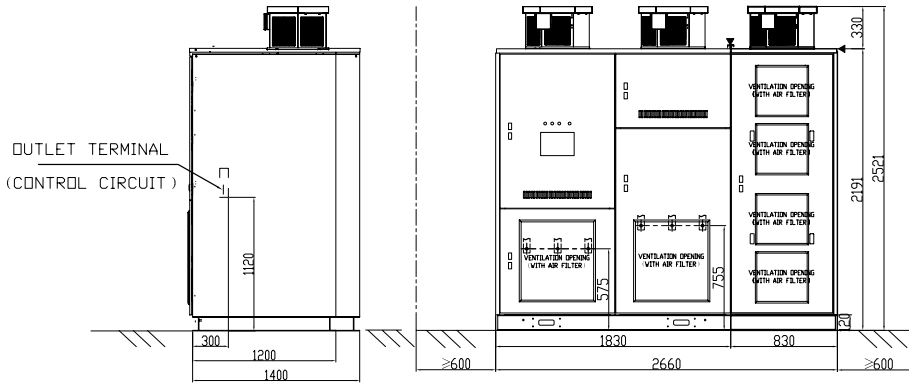
Altivar 1200

Medium Voltage Drive Systems

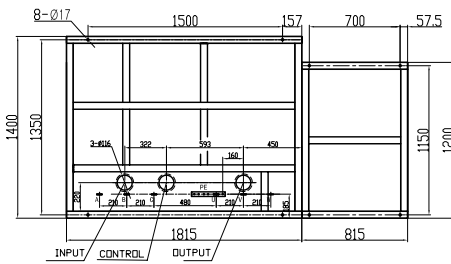
Output voltage 4.16 kV

ATV1200-A350-4242●●S ... A560-4242●●S

Front view



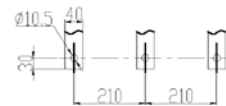
Footprint



Cable connection

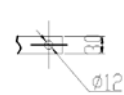
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



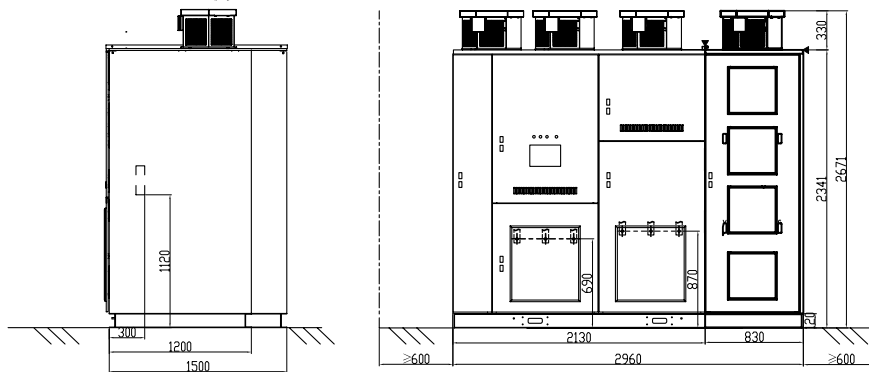
Earthing Busbar

PE
(Cu 3x30)

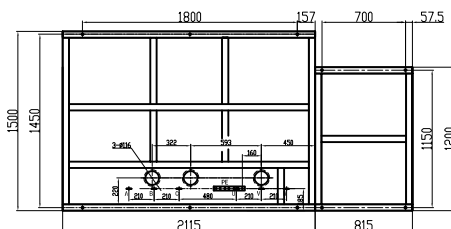


ATV1200-A350-4242●●H ... A560-4242●●H

Front view



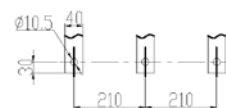
Footprint



Cable connection

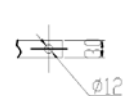
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

Technical data for output voltage 4.16 kV	
ATV1200	A720-4242●●●
Nominal data	
Type rating [kVA]	
	720
Motor power [kW]	
	602
Continuous output current [A]	
With 120 % overload	100
With 150 % overload	80
Max. output current [A]	
1 min/10 min	120
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 24 <i>(incl. fan power)</i>
High efficiency	≤ 21 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	9900
High efficiency	16500
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3100
High efficiency	4200
Dimension[mm] W*D*H	
Standard efficiency	2660x1400x2520
High efficiency	3260x1500 x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

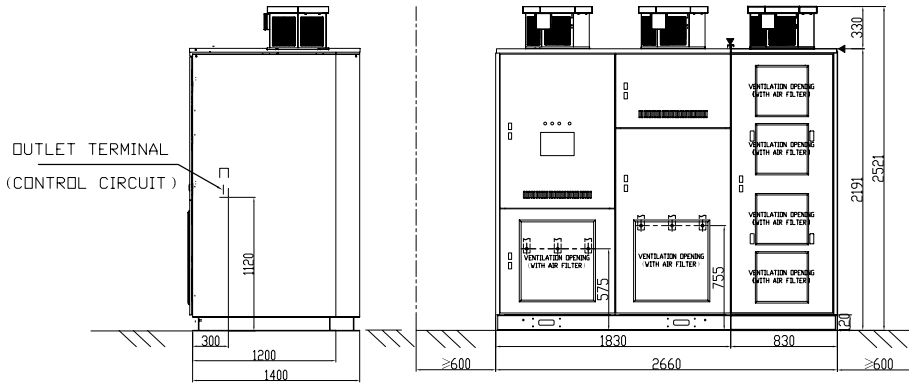
Altivar 1200

Medium Voltage Drive Systems

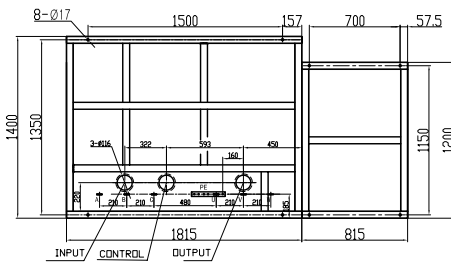
Output voltage 4.16 kV

ATV1200-A720-4242●●S

Front view



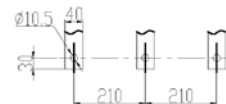
Footprint



Cable connection

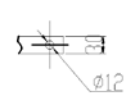
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



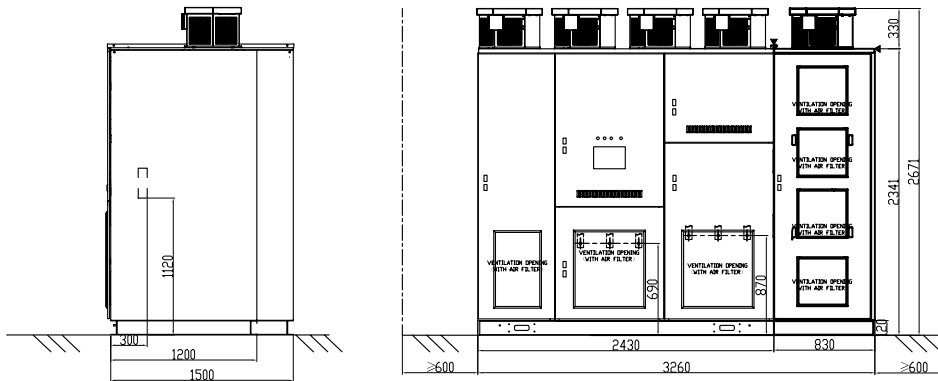
Earthing Busbar

PE
(Cu 3x30)

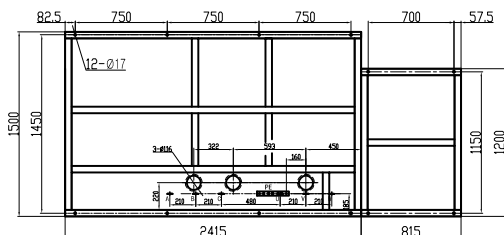


ATV1200-A720-4242●●H

Front view



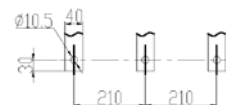
Footprint



Cable connection

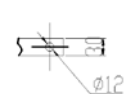
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

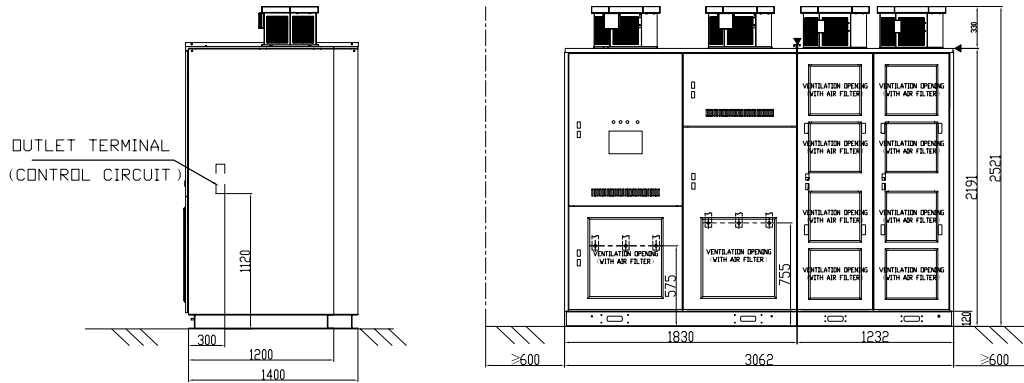
Medium Voltage Drive Systems

Output voltage 4.16 kV

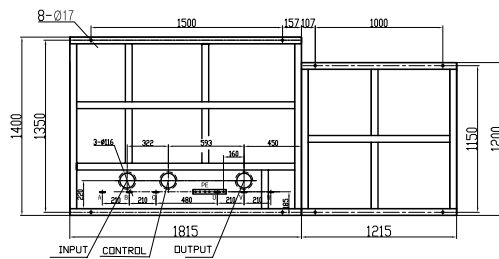
Technical data for output voltage 4.16 kV		
ATV1200	A790-4242●●●	A940-4242●●●
Nominal data		
Type rating [kVA]		
	790	940
Motor power [kW]		
	660	786
Continuous output current [A]		
With 120 % overload	109	130
With 150 % overload	87	104
Max. output current [A]		
1 min/10 min	131	156
Power cells		
Number of cells per phase		
	4	4
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 26 <i>(incl. fan power)</i>	≤ 31 <i>(incl. fan power)</i>
High efficiency	≤ 23 <i>(incl. fan power)</i>	≤ 28 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	13200	13200
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	3800	4000
High efficiency	4900	5000
Dimension[mm] W*D*H		
Standard efficiency	3060x1400x2520	3060x1400x2520
High efficiency	3660x1500 x2670	3660x1500 x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

ATV1200-A790-4242●●S ... A940-4242●●S

Front view



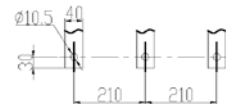
Footprint



Cable connection

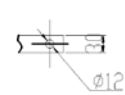
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



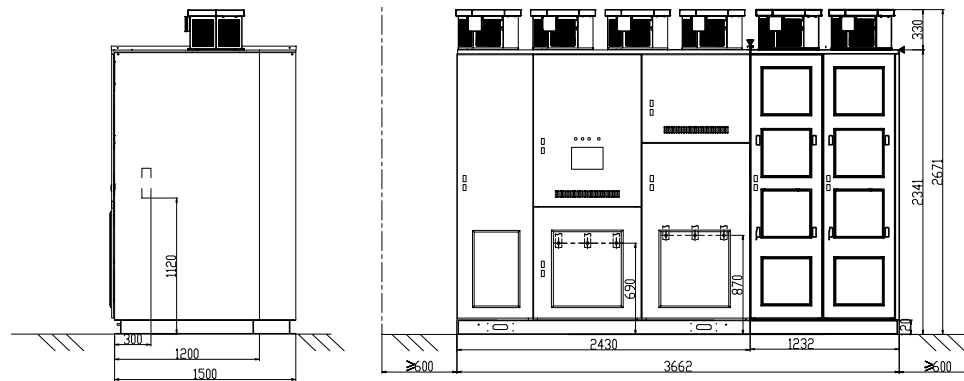
Earthing Busbar

PE
(Cu 3x30)

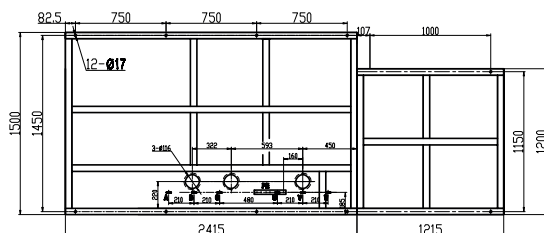


ATV1200-A790-4242●●H ... A940-4242●●H

Front view



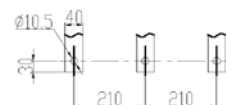
Footprint



Cable connection

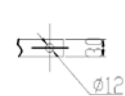
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

Technical data for output voltage 4.16 kV	
ATV1200	A1080-4242●●●
Nominal data	
Type rating [kVA]	
	1080
Motor power [kW]	
	903
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 36 <i>(incl. fan power)</i>
High efficiency	≤ 32 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	4400
High efficiency	5300
Dimension[mm] W*D*H	
Standard efficiency	3660x1400x2670
High efficiency	3960x1600 x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

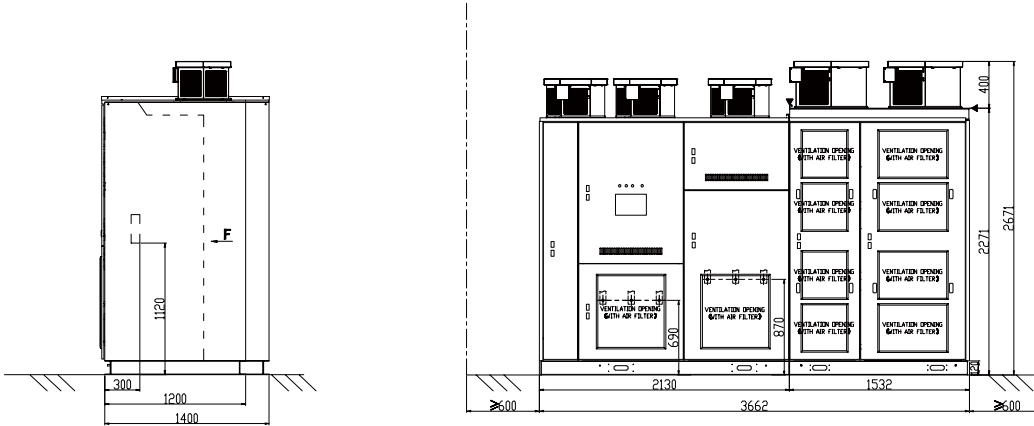
Altivar 1200

Medium Voltage Drive Systems

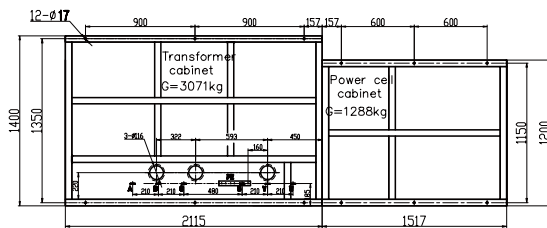
Output voltage 4.16 kV

ATV1200-A1080-4242●●S

Front view



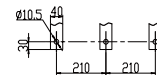
Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X40)



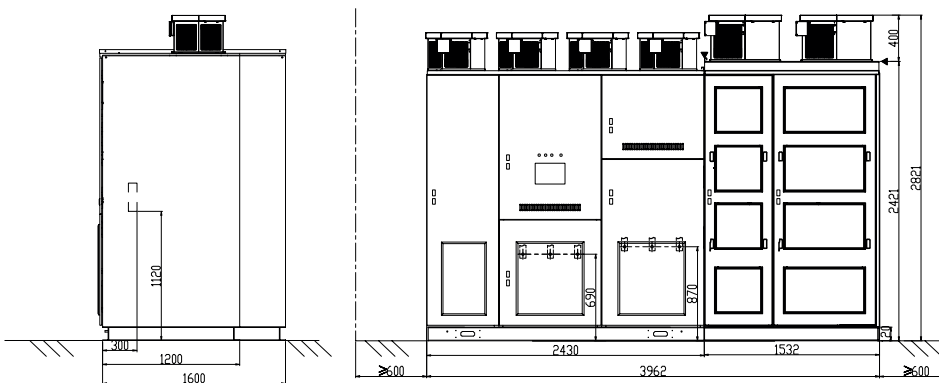
EARTHING BUSBAR

PE
(Cu 3X30)

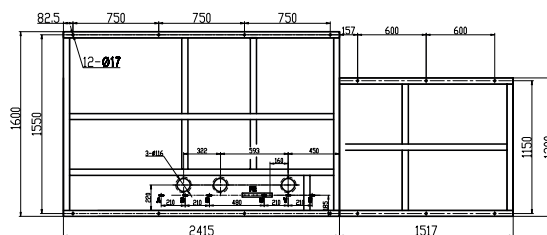


ATV1200-A1080-4242●●H

Front view



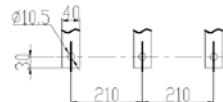
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

Technical data for output voltage 4.16 kV		
ATV1200	A1190–4242●●●	A1450–4242●●●
Nominal data		
Type rating [kVA]		
	1190	1450
Motor power [kW]		
	995	1212
Continuous output current [A]		
With 120 % overload	165	200
With 150 % overload	132	160
Max. output current [A]		
1 min/10 min	198	240
Power cells		
Number of cells per phase		
	4	4
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 40 <i>(incl. fan power)</i>	≤ 48 <i>(incl. fan power)</i>
High efficiency	≤ 35 <i>(incl. fan power)</i>	≤ 42 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	5000	5300
High efficiency	5900	6300
Dimension[mm] W*D*H		
Standard efficiency	4060x1400x2670	4060x1400x2670
High efficiency	4360x1600 x2670	4360x1600 x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

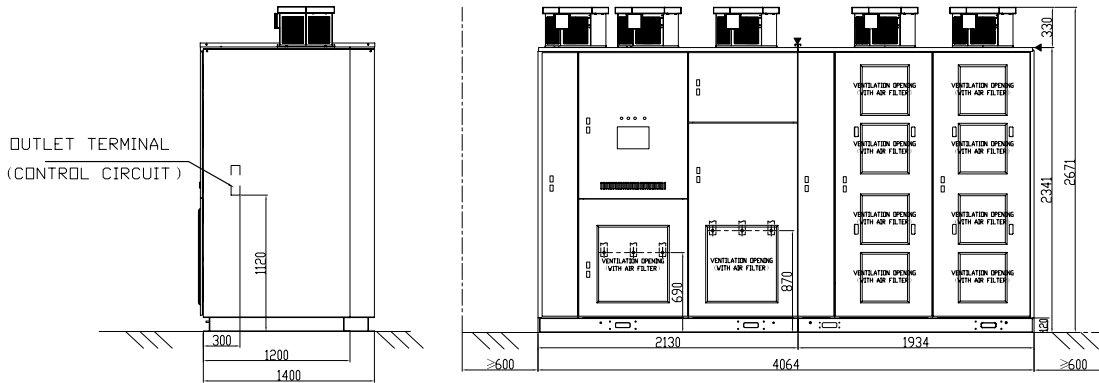
Altivar 1200

Medium Voltage Drive Systems

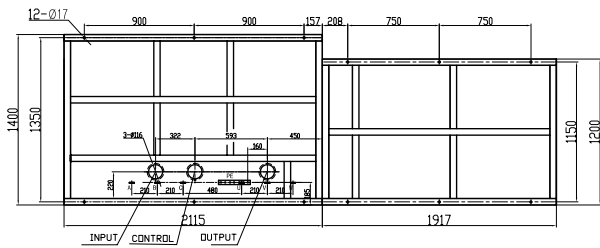
Output voltage 4.16 kV

ATV1200-A1190-4242●●S...A1450-4242●●S

Front view



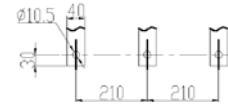
Footprint



Cable connection

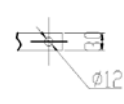
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



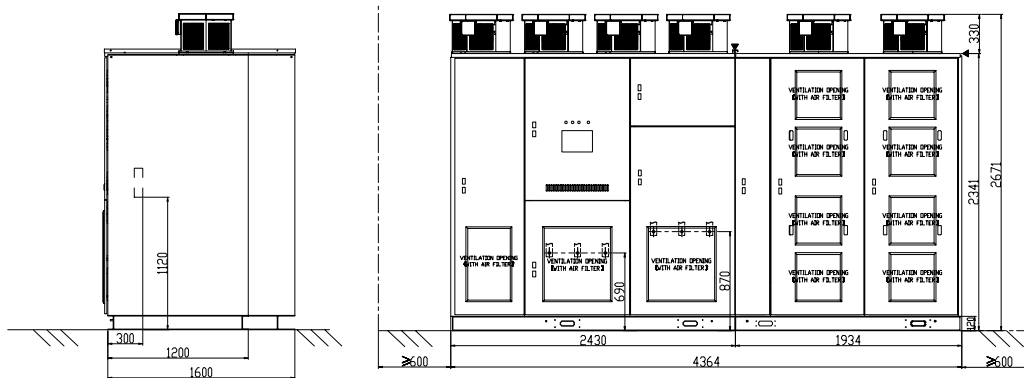
Earthing Busbar

PE
(Cu 3x30)

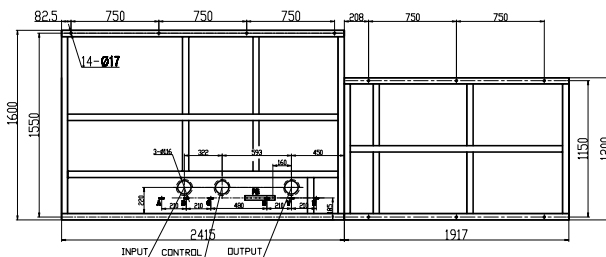


ATV1200-A1190-4242●●H

Front view



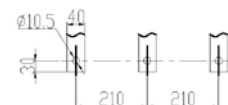
Footprint



Cable connection

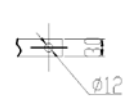
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

Technical data for output voltage 4.16 kV	
ATV1200	A1585-4242●●●
Nominal data	
Type rating [kVA]	
	1585
Motor power [kW]	
	1325
Continuous output current [A]	
With 120 % overload	220
With 150 % overload	176
Max. output current [A]	
1 min/10 min	264
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 53 <i>(incl. fan power)</i>
High efficiency	≤ 46 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16500
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5600
High efficiency	6500
Dimension[mm] W*D*H	
Standard efficiency	4060x1500x2670
High efficiency	4360x1600 x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

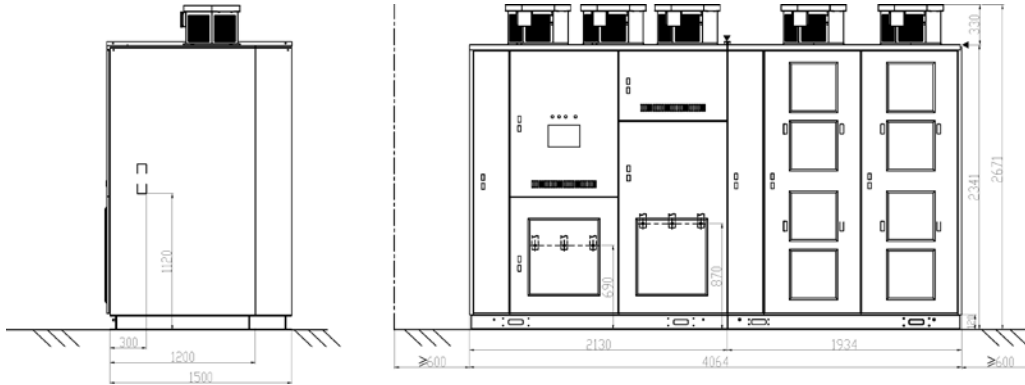
Altivar 1200

Medium Voltage Drive Systems

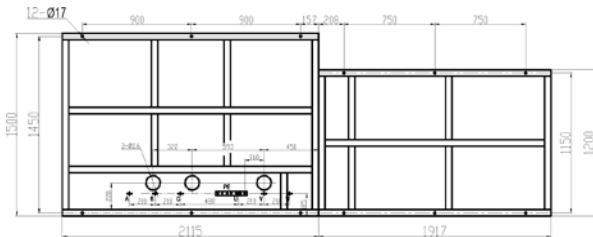
Output voltage 4.16 kV

ATV1200-A1585-4242●●S

Front view



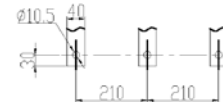
Footprint



Cable connection

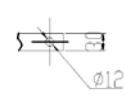
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



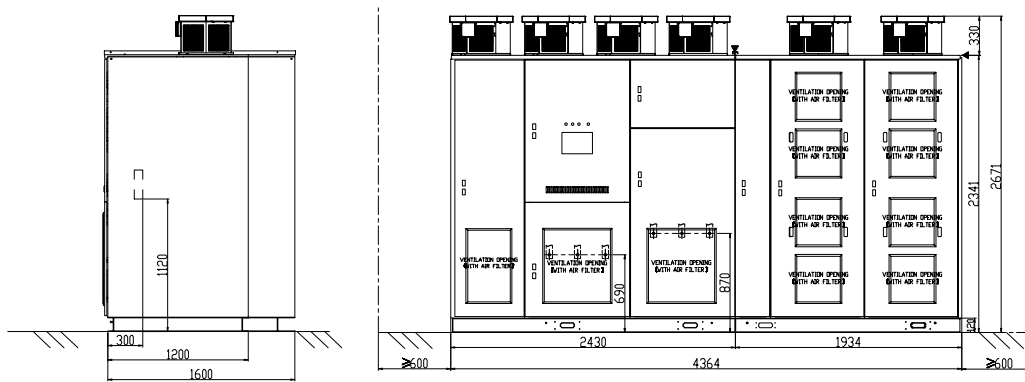
Earthing Busbar

PE
(Cu 3x30)

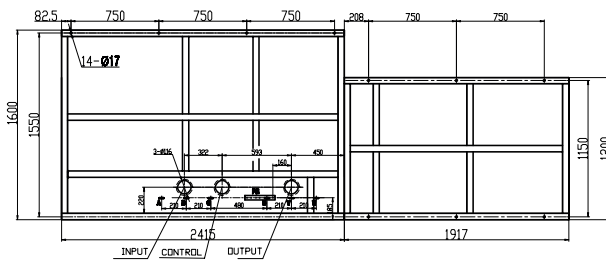


ATV1200-A1585-4242●●H

Front view



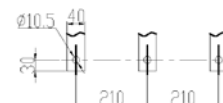
Footprint



Cable connection

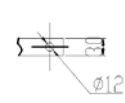
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

Technical data for output voltage 4.16 kV	
ATV1200	A1750-4242●●●
Nominal data	
Type rating [kVA]	
	1750
Motor power [kW]	
	1463
Continuous output current [A]	
With 120 % overload	243
With 150 % overload	194
Max. output current [A]	
1 min/10 min	291
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 59 <i>(incl. fan power)</i>
High efficiency	≤ 51 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5800
High efficiency	6800
Dimension[mm] W*D*H	
Standard efficiency	4060x1500x2740
High efficiency	4360x1600 x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

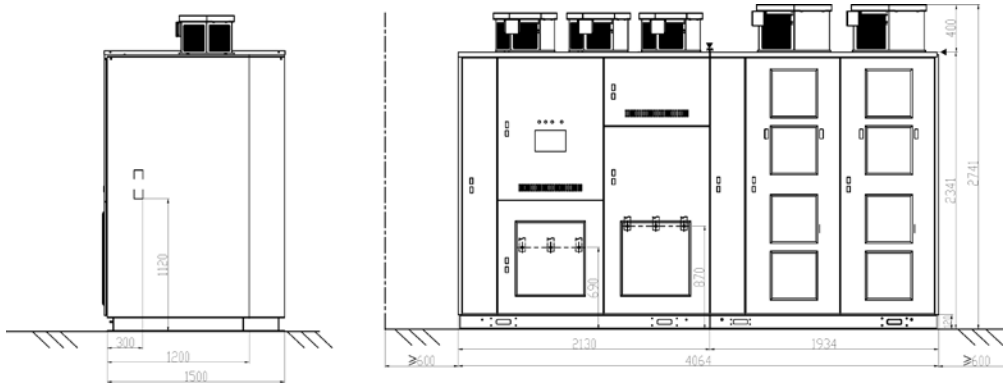
Altivar 1200

Medium Voltage Drive Systems

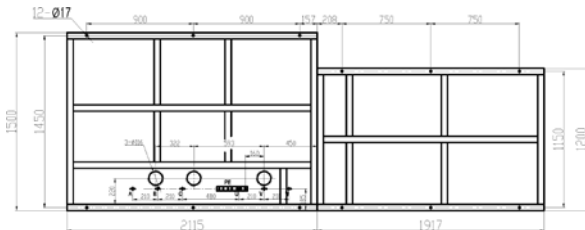
Output voltage 4.16 kV

ATV1200-A1750-4242●●S

Front view



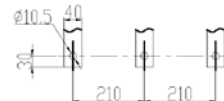
Footprint



Cable connection

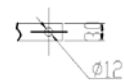
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



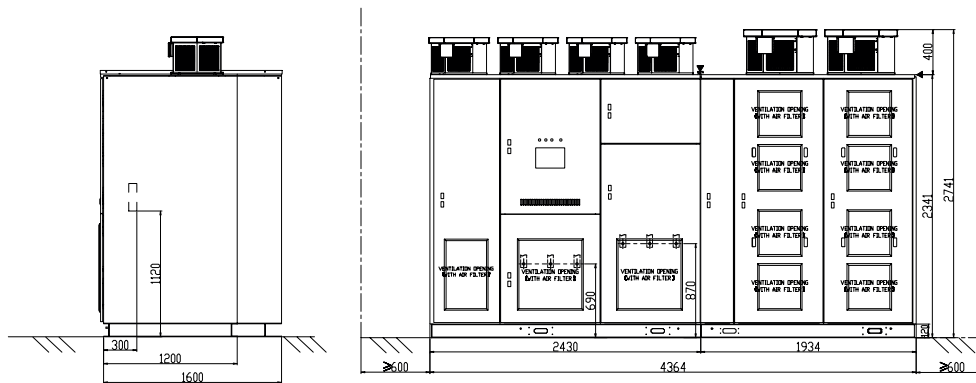
Earthing Busbar

PE
(Cu 3x30)

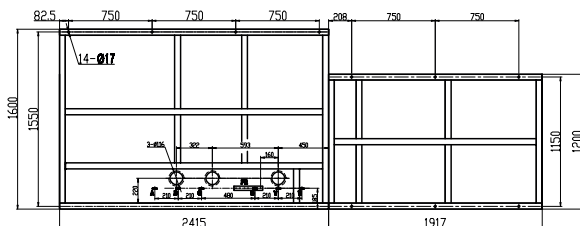


ATV1200-A1750-4242●●H

Front view



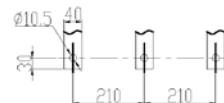
Footprint



Cable connection

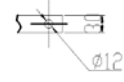
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

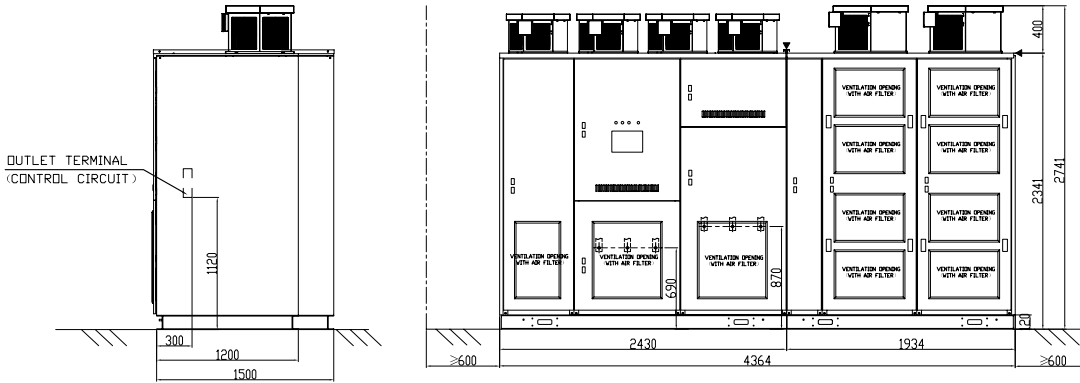
Technical data for output voltage 4.16 kV	
ATV1200	A2020-4242●●●
Nominal data	
Type rating [kVA]	
	2020
Motor power [kW]	
	1689
Continuous output current [A]	
With 120 % overload	280
With 150 % overload	224
Max. output current [A]	
1 min/10 min	336
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 68 <i>(incl. fan power)</i>
High efficiency	≤ 59 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	33200
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	6300
High efficiency	7200
Dimension[mm] W*D*H	
Standard efficiency	4360x1500x2740
High efficiency	4660x1700 x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

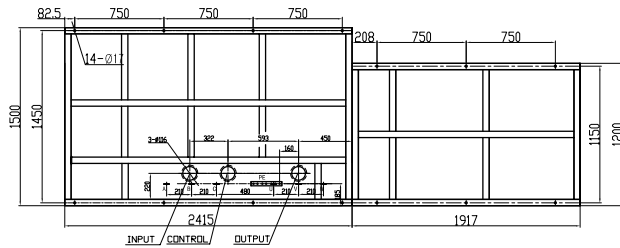
Medium Voltage Drive Systems
Output voltage 4.16 kV

ATV1200-A2020-4242●●S

Front view



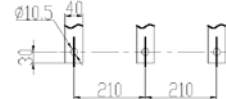
Footprint



Cable connection

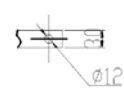
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



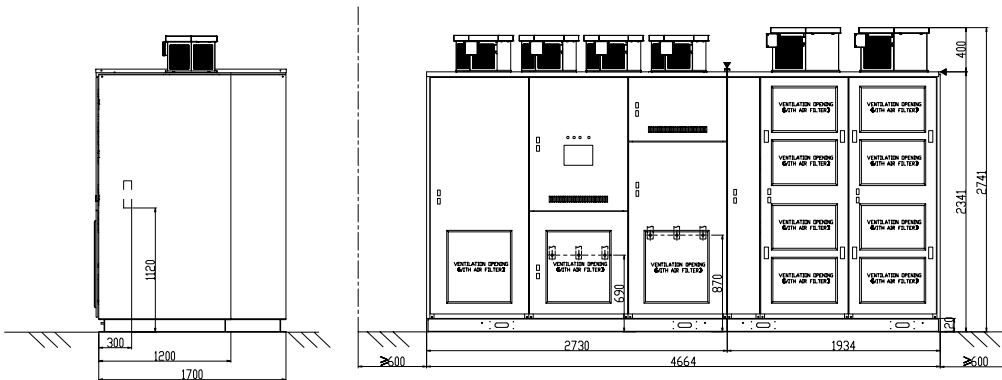
Earthing Busbar

PE
(Cu 3x30)

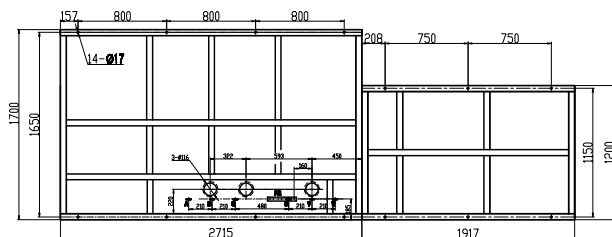


ATV1200-A2020-4242●●H

Front view



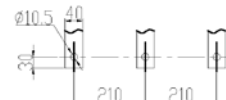
Footprint



Cable connection

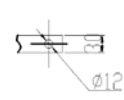
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

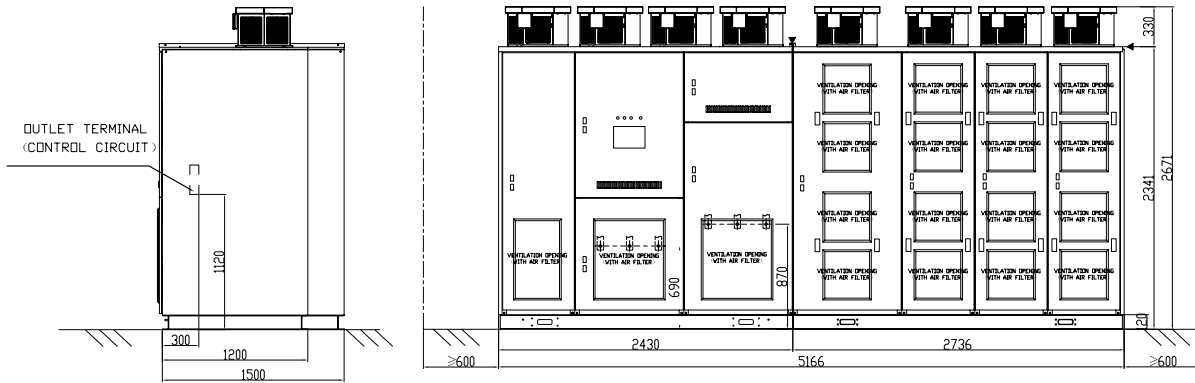
Technical data for output voltage 4.16 kV		
ATV1200	A2310–4242●●●	A2500–4242●●●
Nominal data		
Type rating [kVA]		
	2310	2500
Motor power [kW]		
	1931	2090
Continuous output current [A]		
With 120 % overload	320	347
With 150 % overload	256	278
Max. output current [A]		
1 min/10 min	384	416
Power cells		
Number of cells per phase		
	4	4
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 77 <i>(incl. fan power)</i>	≤ 84 <i>(incl. fan power)</i>
High efficiency	≤ 68 <i>(incl. fan power)</i>	≤ 73 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	26400	26400
High efficiency	26400	26400
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	7700	7900
High efficiency	8800	9300
Dimension[mm] W*D*H		
Standard efficiency	5170x1500x2670	5170x1500x2670
High efficiency	5470x1700 x2670	5470x1700 x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

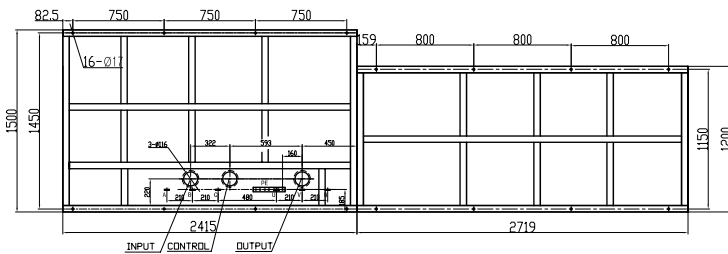
Medium Voltage Drive Systems
Output voltage 4.16 kV

ATV1200-A2310-4242●●S ... A2500-4242●●S

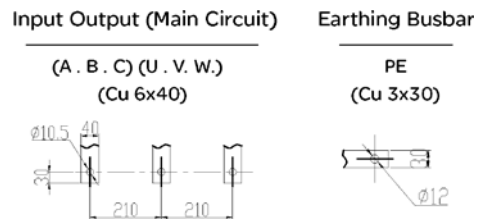
Front view



Footprint

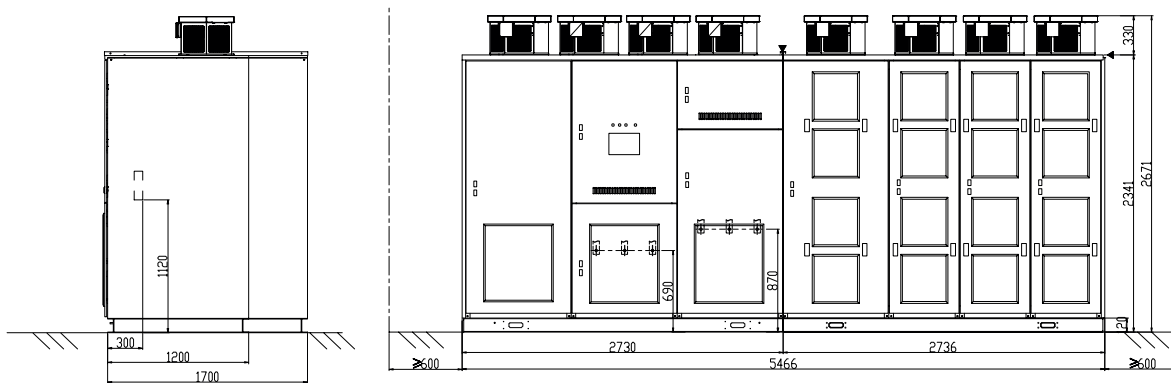


Cable connection

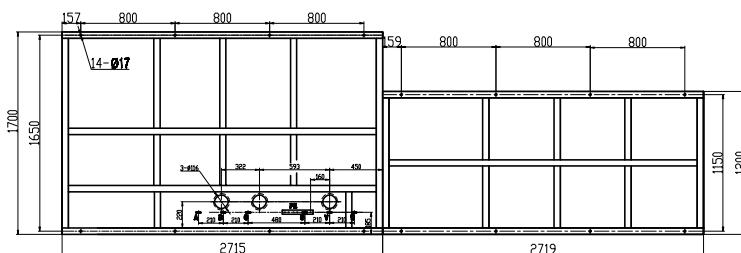


ATV1200-A2310-4242●●H ... A2500-4242●●H

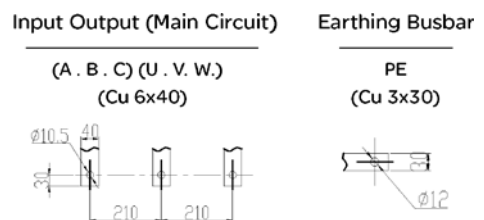
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

Technical data for output voltage 4.16 kV		
ATV1200	A2960–4242●●●	A3130–4242●●●
Nominal data		
Type rating [kVA]		
	2960	3130
Motor power [kW]		
	2475	2617
Continuous output current [A]		
With 120 % overload	410	434
With 150 % overload	328	347
Max. output current [A]		
1 min/10 min	492	520
Power cells		
Number of cells per phase		
	4	4
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 99 <i>(incl. fan power)</i>	≤ 105 <i>(incl. fan power)</i>
High efficiency	≤ 87 <i>(incl. fan power)</i>	≤ 92 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	26400	26400
High efficiency	26400	26400
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	8500	8800
High efficiency	9800	10100
Dimension[mm] W*D*H		
Standard efficiency	5170x1600x2670	5170x1600x2670
High efficiency	5470x1700 x2670	5470x1700 x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

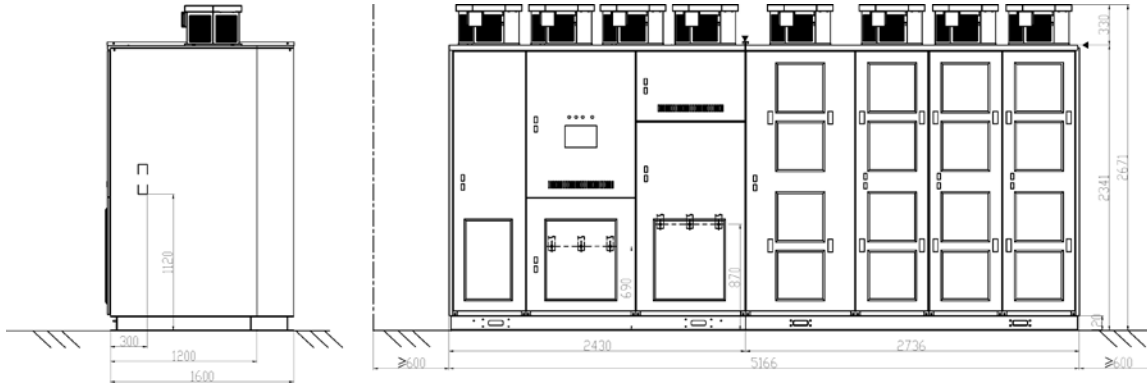
Altivar 1200

Medium Voltage Drive Systems

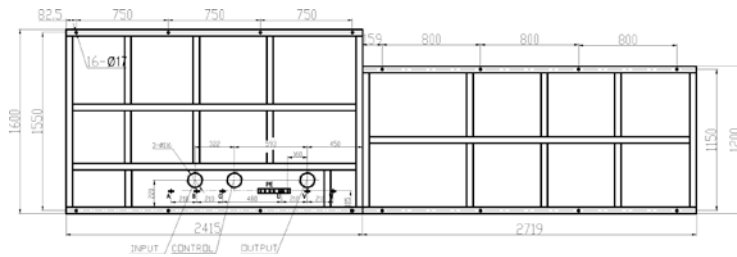
Output voltage 4.16 kV

ATV1200-A2960-4242●●S ... A3130-4242●●S

Front view



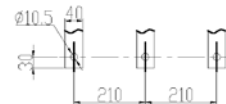
Footprint



Cable connection

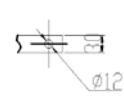
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



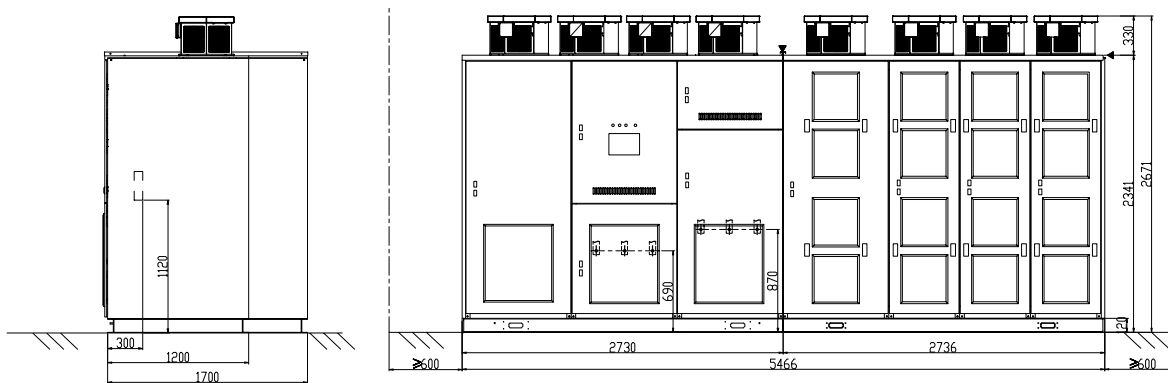
Earthing Busbar

PE
(Cu 3x30)

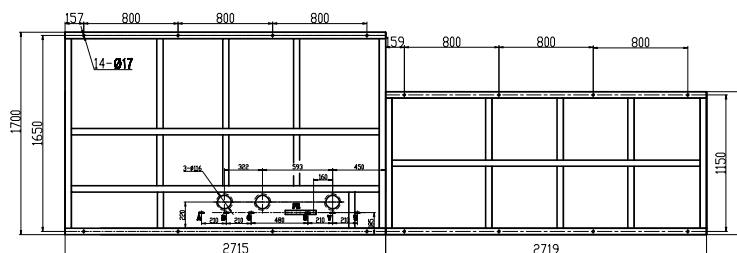


ATV1200-A2960-4242●●H ... A3130-4242●●H

Front view



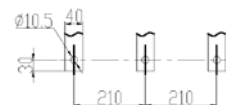
Footprint



Cable connection

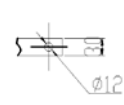
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



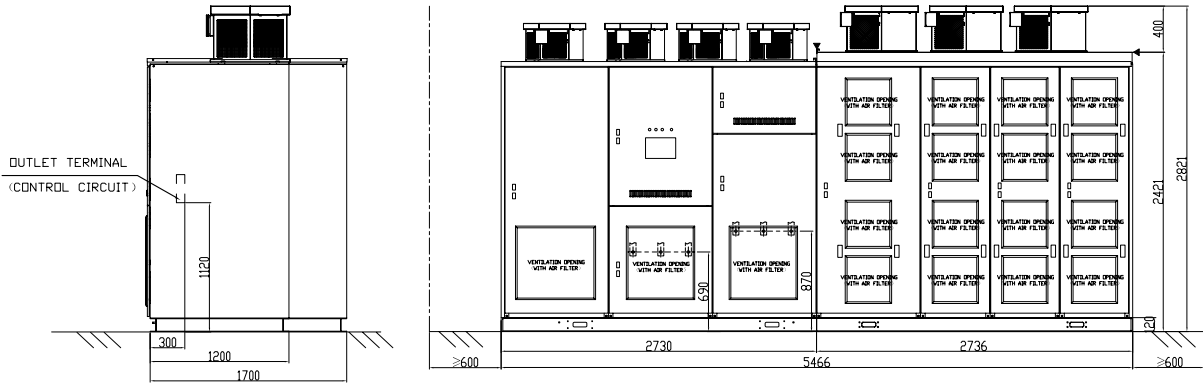
Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

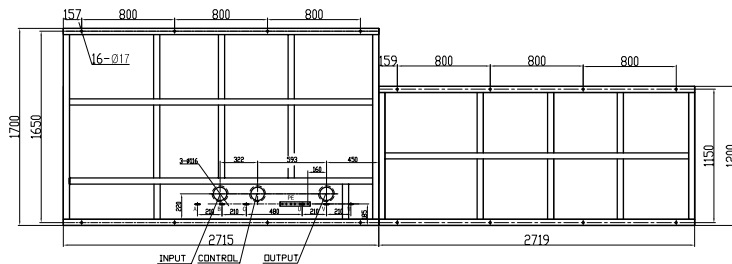
Technical data for output voltage 4.16 kV	
ATV1200	A3530–4242●●●
Nominal data	
Type rating [kVA]	
	3530
Motor power [kW]	
	2951
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 118 <i>(incl. fan power)</i>
High efficiency	≤ 103 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	43200
High efficiency	43200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	9600
High efficiency	10500
Dimension[mm] W*D*H	
Standard efficiency	5470x1700x2820
High efficiency	5470x1700 x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A3530-4242●●S

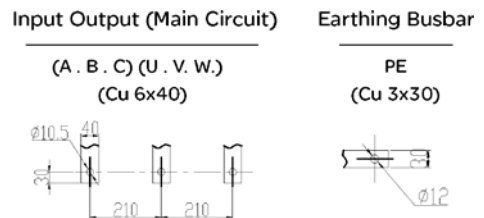
Front view



Footprint

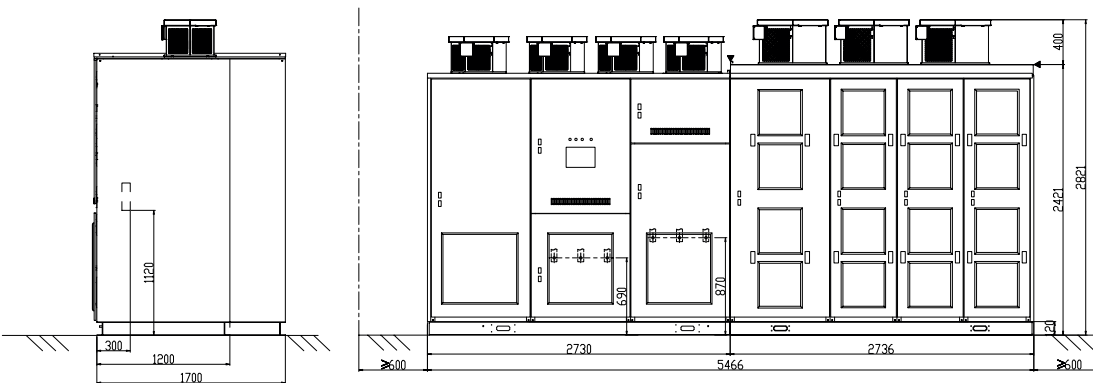


Cable connection

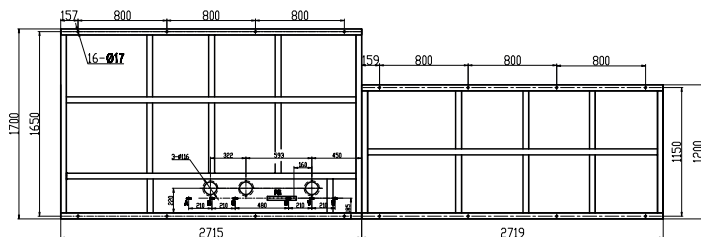


ATV1200-A3530-4242●●H

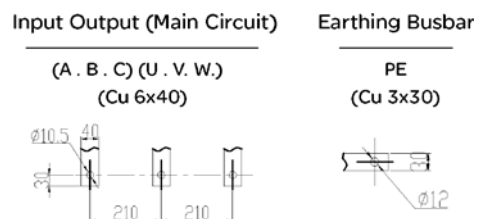
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

Technical data for output voltage 4.16 kV			
ATV1200	A4000-4242●●●	A4400-4242●●●	A4760-4242●●●
Nominal data			
Type rating [kVA]			
	4000	4400	4760
Motor power [kW]			
	3344	3678	3979
Continuous output current [A]			
With 120 % overload	550	611	661
With 150 % overload	440	489	529
Max. output current [A]			
1 min/10 min	660	733	793
Power cells			
Number of cells per phase			
	4	4	4
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 134 <i>(incl. fan power)</i>	≤ 147 <i>(incl. fan power)</i>	≤ 159 <i>(incl. fan power)</i>
High efficiency	≤ 117 <i>(incl. fan power)</i>	≤ 129 <i>(incl. fan power)</i>	≤ 139 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	70000	70000	70000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	12100	12500	13000
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	6670x1800x2740	6670x1800x2740	6670x1800x2740
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

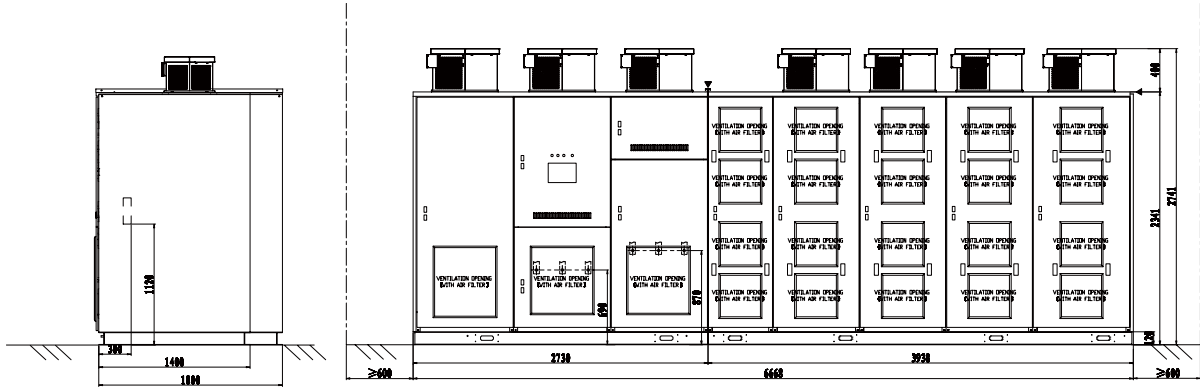
Altivar 1200

Medium Voltage Drive Systems

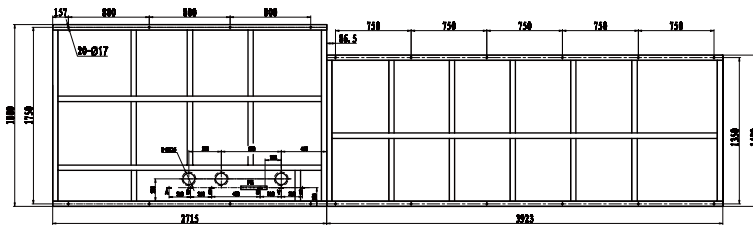
Output voltage 4.16 kV

ATV1200-A4000-4242●●S ... A4760-4242●●S

Front view



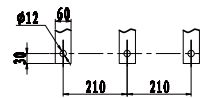
Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 4.16 kV

Technical data for output voltage 4.16 kV		
ATV1200	A5200–4242●●●	A5650–4242●●●
Nominal data		
Type rating [kVA]		
	5200	5650
Motor power [kW]		
	4347	4723
Continuous output current [A]		
With 120 % overload	720	784
With 150 % overload	576	627
Max. output current [A]		
1 min/10 min	864	941
Power cells		
Number of cells per phase		
	4	4
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 170 <i>(incl. fan power)</i>	≤ 184 <i>(incl. fan power)</i>
High efficiency	≤ 152 <i>(incl. fan power)</i>	≤ 165 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	70000	70000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	13800	14200
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	6670x1800x2740	6670x1800x2740
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

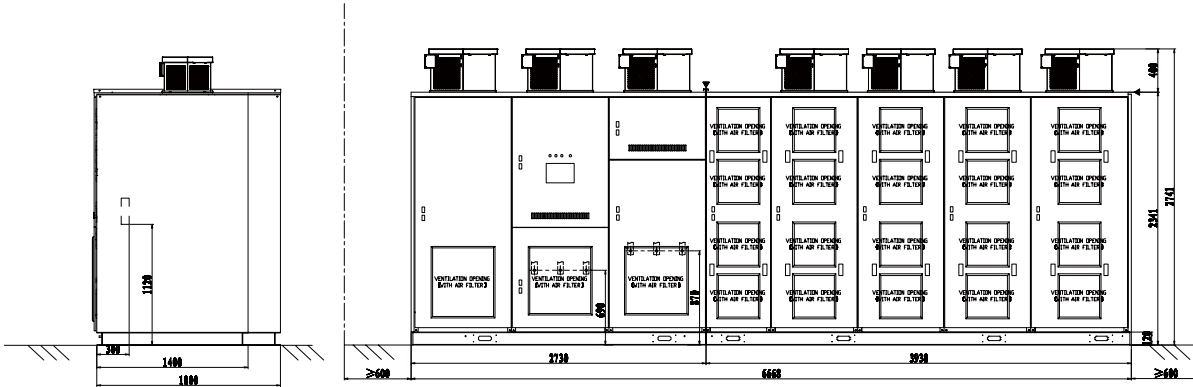
Altivar 1200

Medium Voltage Drive Systems

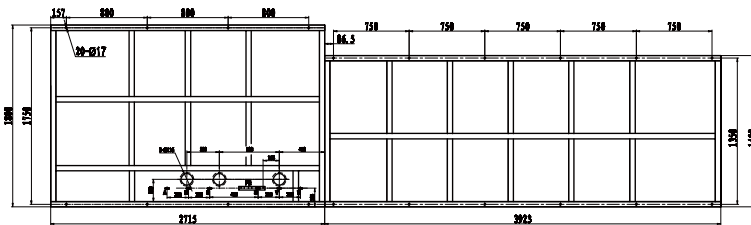
Output voltage 4.16 kV

ATV1200-A5200-4242●●S ... A5650-4242●●S

Front view



Footprint



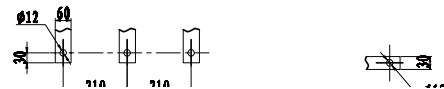
Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)

EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 4.16 kV

Technical data for output voltage 4.16 kV	
ATV1200	A6150-4242●●●
Nominal data	
Type rating [kVA]	
	6150
Motor power [kW]	
	5141
Continuous output current [A]	
With 120 % overload	850
With 150 % overload	680
Max. output current [A]	
1 min/10 min	1020
Power cells	
Number of cells per phase	
	4
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 195 <i>(incl. fan power)</i>
High efficiency	≤ 180 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	70000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	14700
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	6970x1800x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

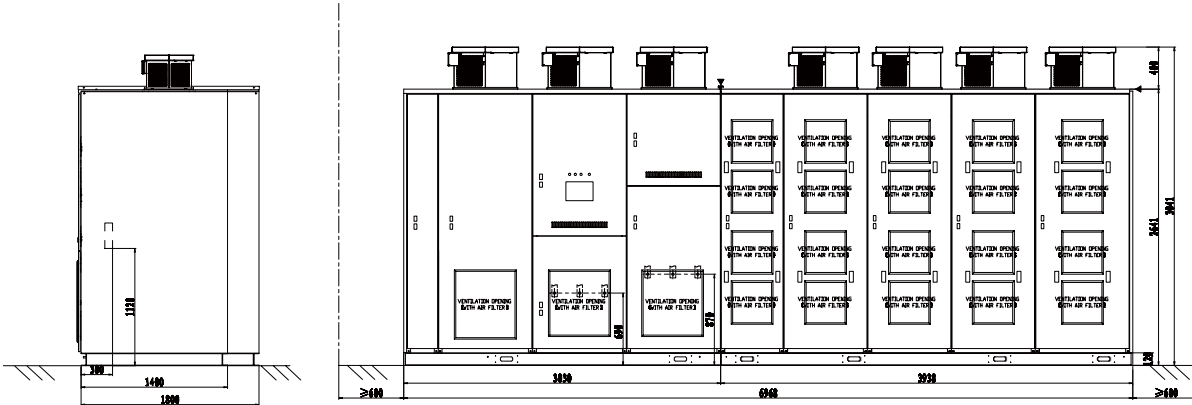
Altivar 1200

Medium Voltage Drive Systems

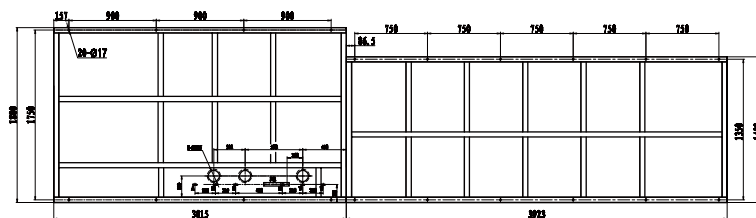
Output voltage 4.16 kV

ATV1200-A6150-4242●●S

Front view



Footprint



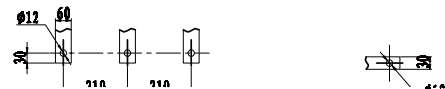
Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)

EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Technical data for output voltage 5.5 kV			
ATV1200	A430-5555●●●	A520-5555●●●	A620-5555●●●
Nominal data			
Type rating [kVA]			
	430	520	620
Motor power [kW]			
	359	435	518
Continuous output current [A]			
With 120 % overload	45	55	65
With 150 % overload	36	44	52
Max. output current [A]			
1 min/10 min	54	66	78
Power cells			
Number of cells per phase			
	5	5	5
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 14 <i>(incl. fan power)</i>	≤ 17 <i>(incl. fan power)</i>	≤ 21 <i>(incl. fan power)</i>
High efficiency	≤ 13 <i>(incl. fan power)</i>	≤ 15 <i>(incl. fan power)</i>	≤ 18 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	9900	9900	9900
High efficiency	19900	19900	19900
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	2900	2900	3300
High efficiency	3800	4100	4200
Dimension[mm] W*D*H			
Standard efficiency	2860x1400x2590	2860x1400x2590	2860x1400x2590
High efficiency	3160x1500x2740	3160x1500x2740	3160x1500x2740
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

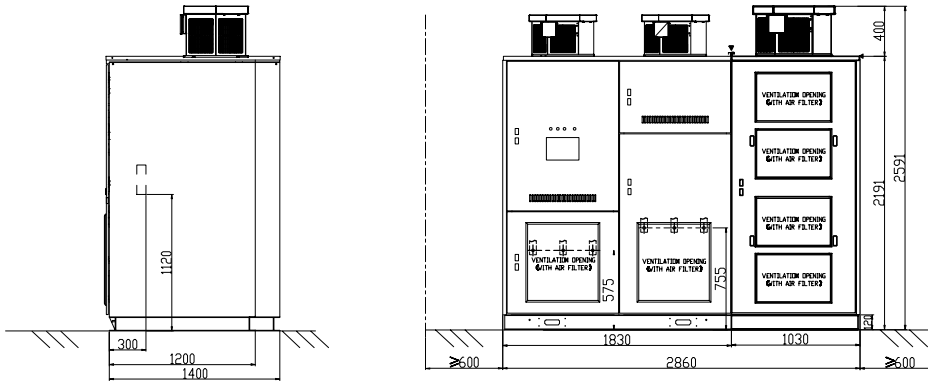
Altivar 1200

Medium Voltage Drive Systems

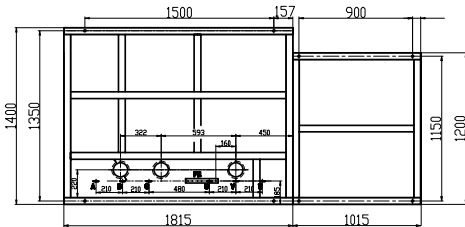
Output voltage 5.5 kV

ATV1200-A430-5555●●S ... A620-5555●●S

Front view



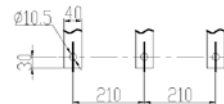
Footprint



Cable connection

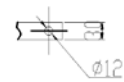
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



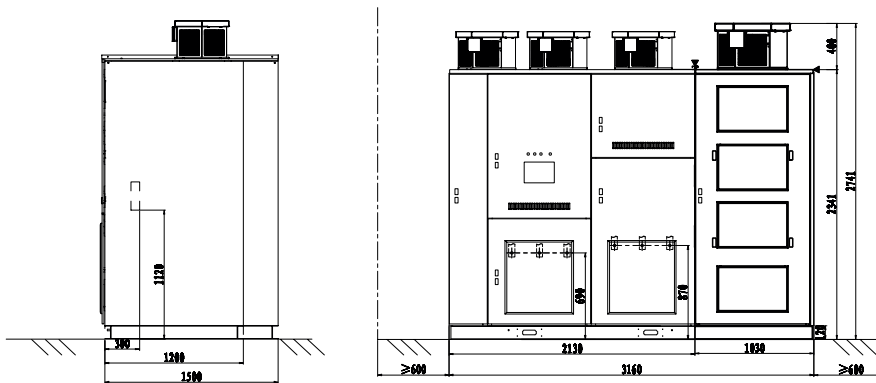
Earthing Busbar

PE
(Cu 3x30)

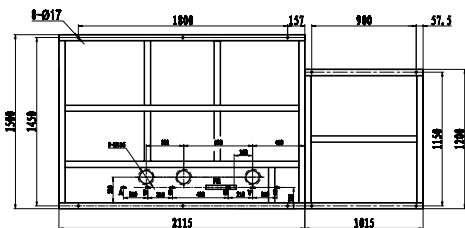


ATV1200-A430-5555●●H ... A620-5555●●H

Front view



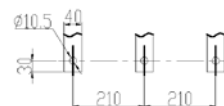
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Technical data for output voltage 5.5 kV		
ATV1200	A730–5555●●●	A860–5555●●●
Nominal data		
Type rating [kVA]		
	730	860
Motor power [kW]		
	610	719
Continuous output current [A]		
With 120 % overload	76	90
With 150 % overload	61	72
Max. output current [A]		
1 min/10 min	91	108
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 24 <i>(incl. fan power)</i>	≤ 29 <i>(incl. fan power)</i>
High efficiency	≤ 21 <i>(incl. fan power)</i>	≤ 25 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	9900	16600
High efficiency	23200	23200
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	3300	3600
High efficiency	4400	4600
Dimension[mm] W*D*H		
Standard efficiency	2860x1400x2590	2860x1400x2590
High efficiency	3460x1500x2740	3460x1500x2740
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

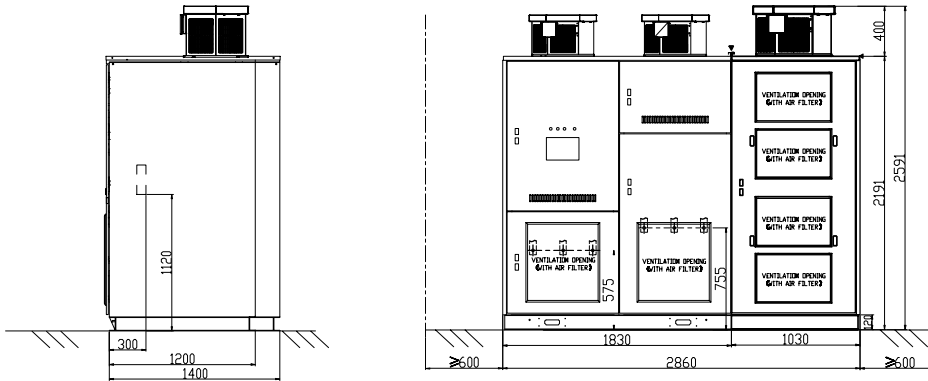
Altivar 1200

Medium Voltage Drive Systems

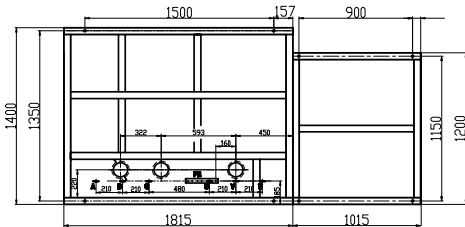
Output voltage 5.5 kV

ATV1200-A730-5555●●S ... A860-5555●●S

Front view



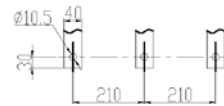
Footprint



Cable connection

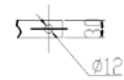
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



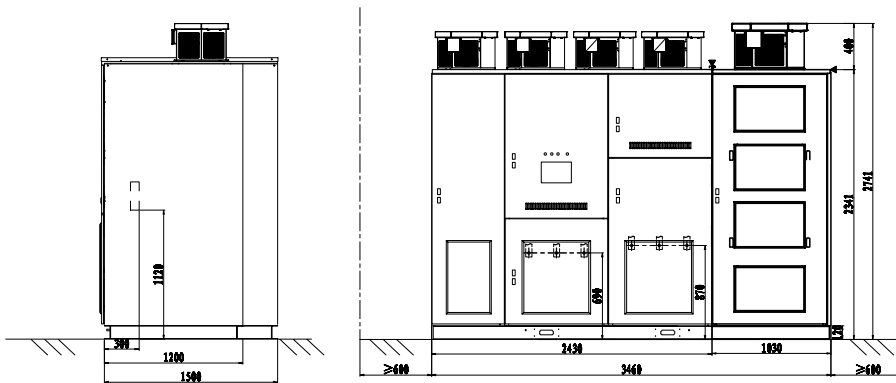
Earthing Busbar

PE
(Cu 3x30)

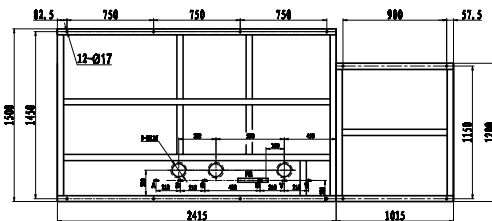


ATV1200-A730-5555●●H ... A860-5555●●H

Front view



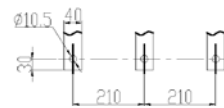
Footprint



Cable connection

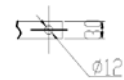
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

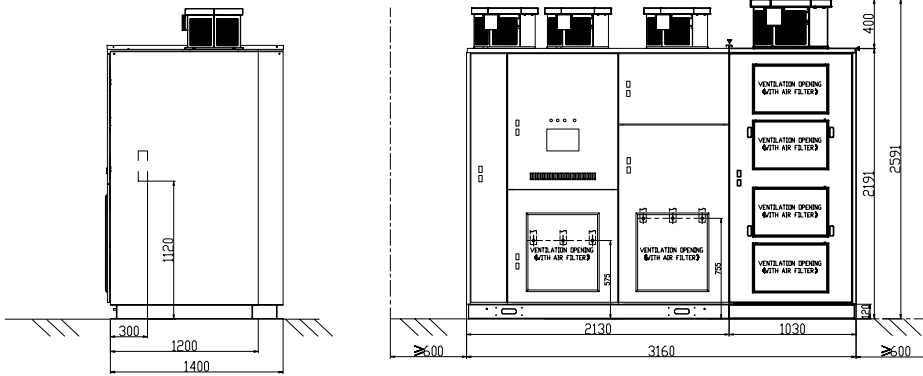
Technical data for output voltage 5.5 kV	
ATV1200	A960-5555●●●
Nominal data	
Type rating [kVA]	
	960
Motor power [kW]	
	803
Continuous output current [A]	
With 120 % overload	100
With 150 % overload	80
Max. output current [A]	
1 min/10 min	120
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 32 <i>(incl. fan power)</i>
High efficiency	≤ 28 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	19900
High efficiency	23200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3800
High efficiency	4800
Dimension[mm] W*D*H	
Standard efficiency	3160x1400x2590
High efficiency	3460x1600x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

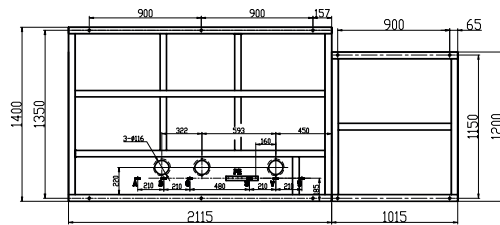
Medium Voltage Drive Systems
Output voltage 5.5 kV

ATV1200-A960-5555●●S

Front view



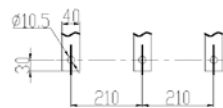
Footprint



Cable connection

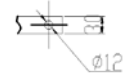
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



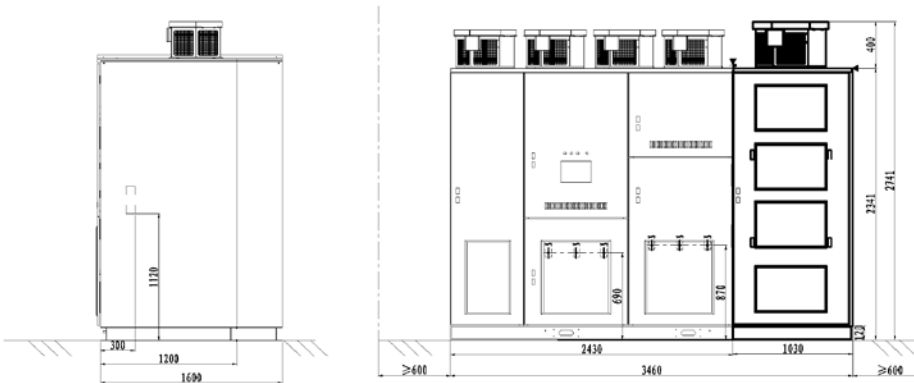
Earthing Busbar

PE
(Cu 3x30)

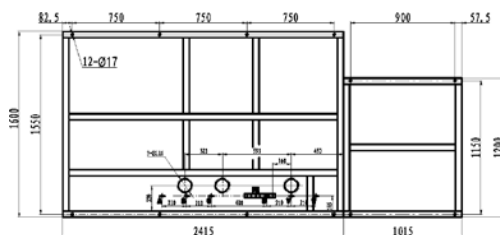


ATV1200-A960-5555●●H

Front view



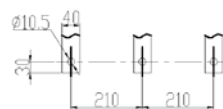
Footprint



Cable connection

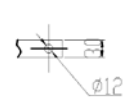
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A1090-5555●●●
Nominal data	
Type rating [kVA]	
	1090
Motor power [kW]	
	911
Continuous output current [A]	
With 120 % overload	114
With 150 % overload	91
Max. output current [A]	
1 min/10 min	137
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 36 <i>(incl. fan power)</i>
High efficiency	≤ 32 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16500
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	4100
High efficiency	5000
Dimension[mm] W*D*H	
Standard efficiency	3660x1400x2520
High efficiency	3960x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

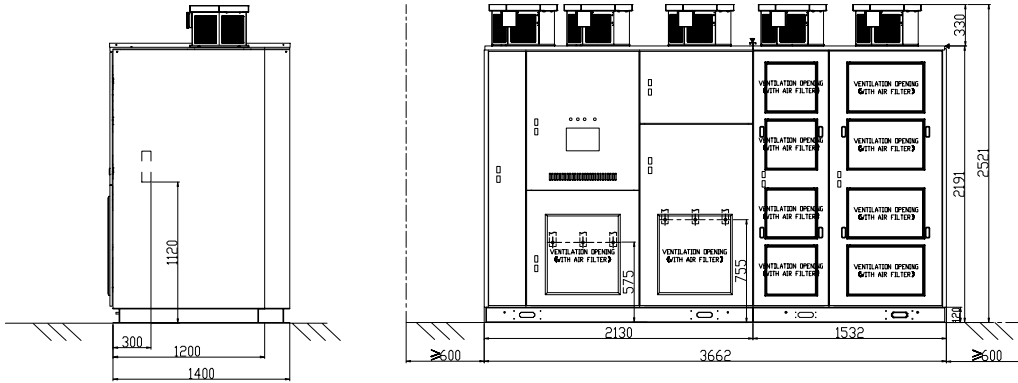
Altivar 1200

Medium Voltage Drive Systems

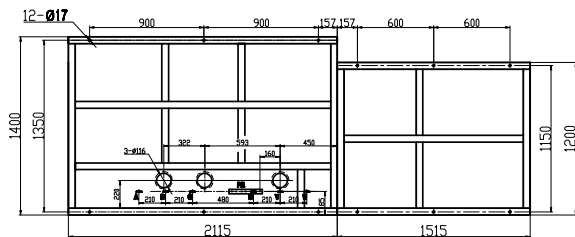
Output voltage 5.5 kV

ATV1200-A1090-5555●●S

Front view



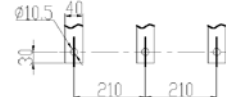
Footprint



Cable connection

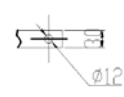
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



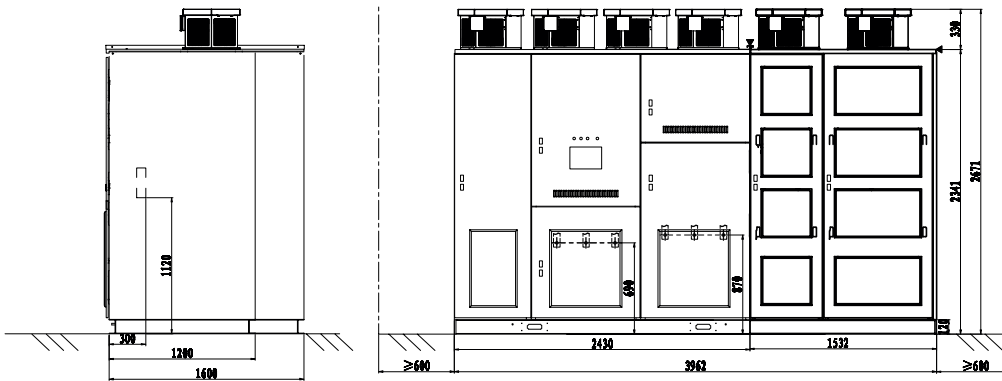
Earthing Busbar

PE
(Cu 3x30)

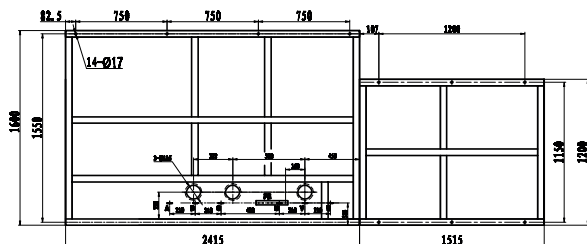


ATV1200-A1090-5555●●H

Front view



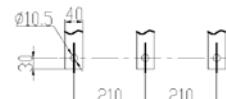
Footprint



Cable connection

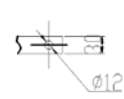
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A1290-5555●●●
Nominal data	
Type rating [kVA]	
	1290
Motor power [kW]	
	1078
Continuous output current [A]	
With 120 % overload	135
With 150 % overload	108
Max. output current [A]	
1 min/10 min	162
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 43 <i>(incl. fan power)</i>
High efficiency	≤ 38 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16500
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5100
High efficiency	5800
Dimension[mm] W*D*H	
Standard efficiency	3660x1500x2670
High efficiency	3960x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

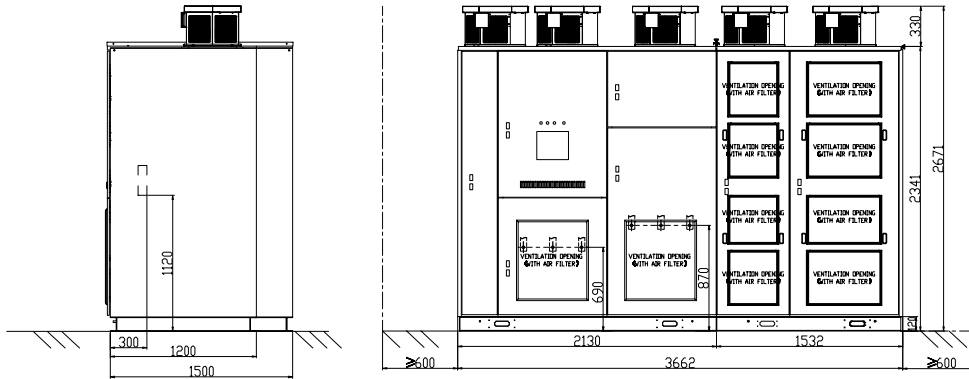
Altivar 1200

Medium Voltage Drive Systems

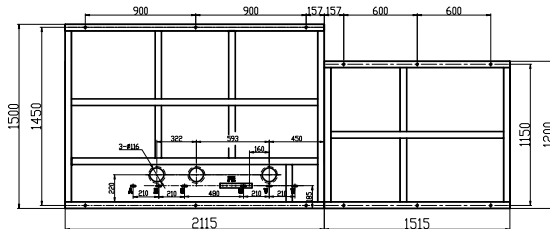
Output voltage 5.5 kV

ATV1200-A1290-5555●●S

Front view



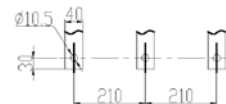
Footprint



Cable connection

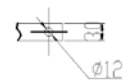
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



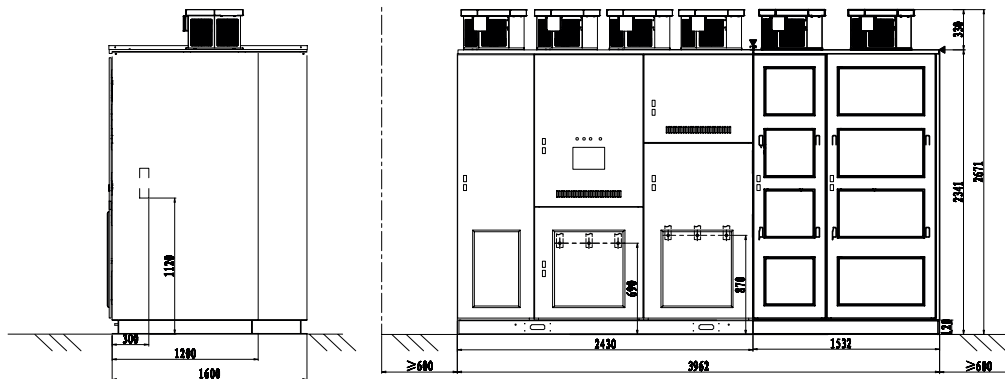
Earthing Busbar

PE
(Cu 3x30)

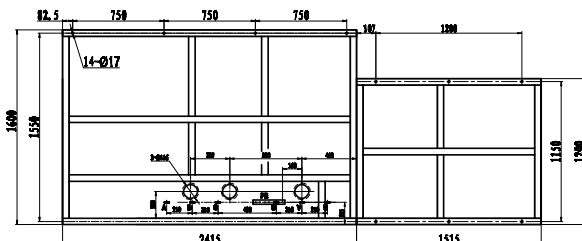


ATV1200-A1290-5555●●H

Front view



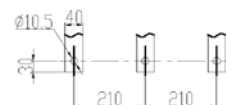
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



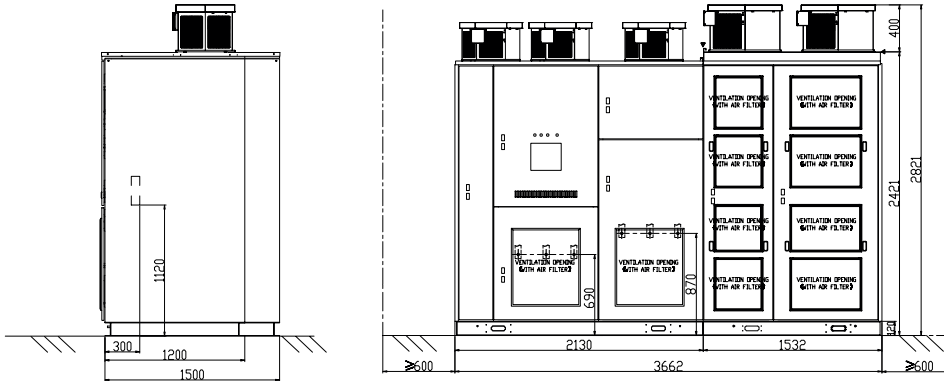
Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

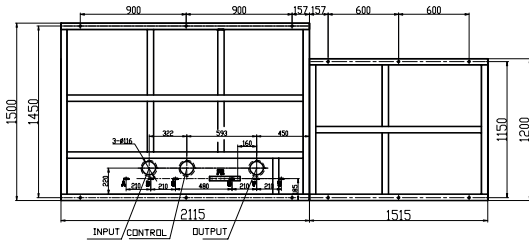
Technical data for output voltage 5.5 kV	
ATV1200	A1430–5555●●●
Nominal data	
Type rating [kVA]	
	1430
Motor power [kW]	
	1195
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 48 <i>(incl. fan power)</i>
High efficiency	≤ 42 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5300
High efficiency	6000
Dimension[mm] W*D*H	
Standard efficiency	3660x1500x2820
High efficiency	3960x1600x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A1430-5555●●S

Front view



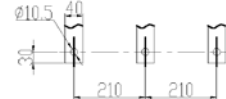
Footprint



Cable connection

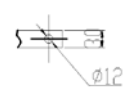
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



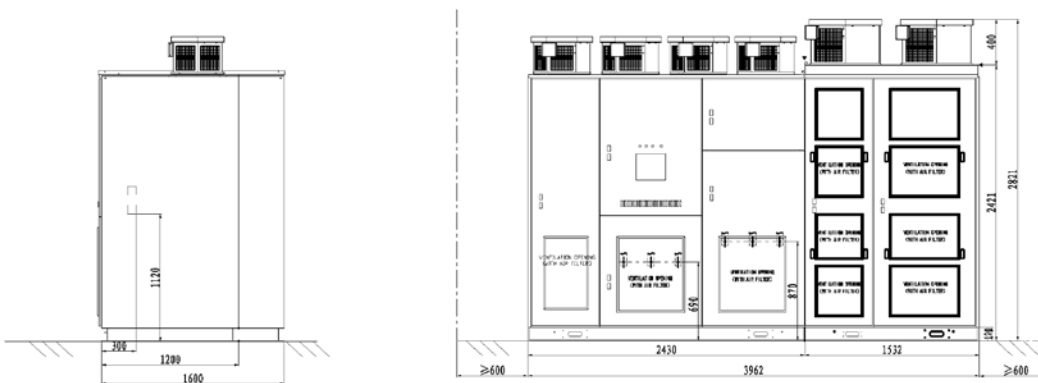
Earthing Busbar

PE
(Cu 3x30)

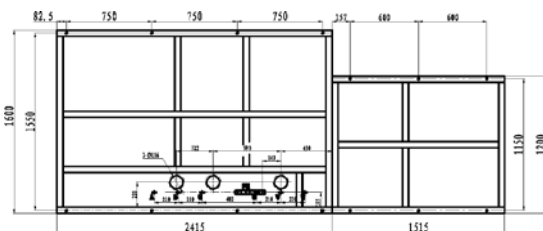


ATV1200-A1430-5555●●H

Front view



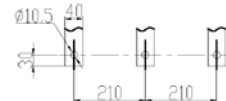
Footprint



Cable connection

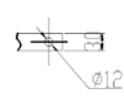
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A1610-5555●●●
Nominal data	
Type rating [kVA]	
	1610
Motor power [kW]	
	1346
Continuous output current [A]	
With 120 % overload	168
With 150 % overload	135
Max. output current [A]	
1 min/10 min	202
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 54 <i>(incl. fan power)</i>
High efficiency	≤ 47 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	19800
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5500
High efficiency	6600
Dimension[mm] W*D*H	
Standard efficiency	4360x1500x2670
High efficiency	4660x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

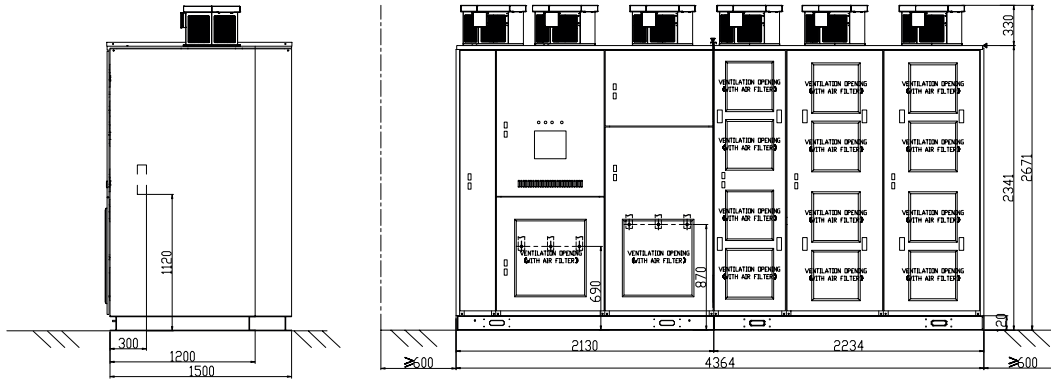
Altivar 1200

Medium Voltage Drive Systems

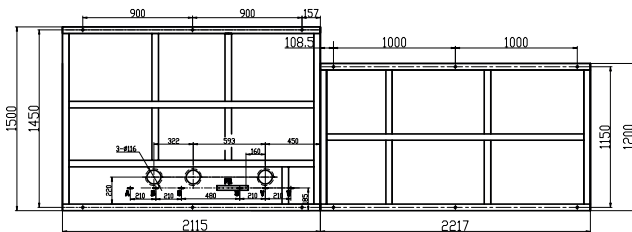
Output voltage 5.5 kV

ATV1200-A1610-5555●●S

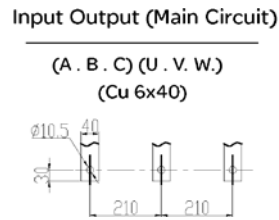
Front view



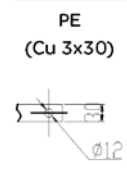
Footprint



Cable connection

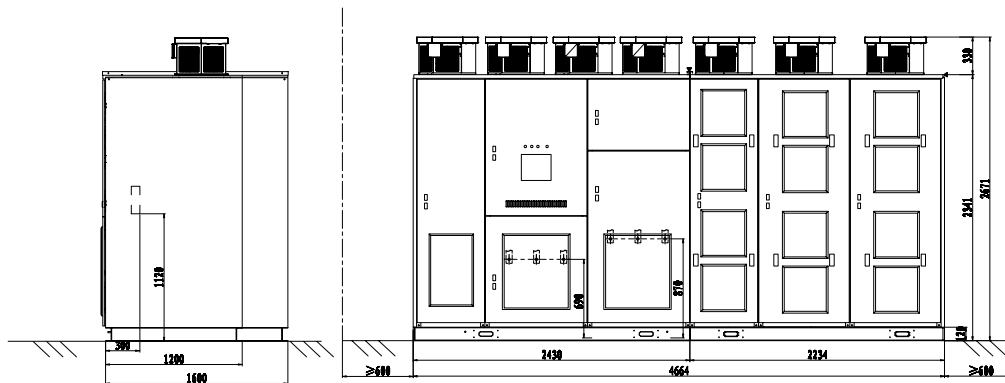


Earthing Busbar

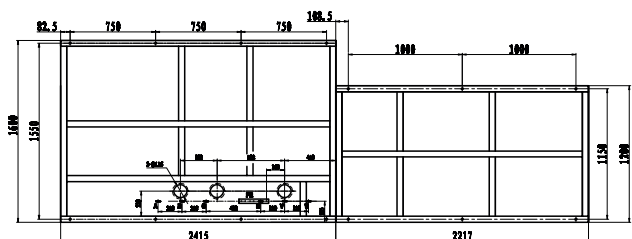


ATV1200-A1610-5555●●H

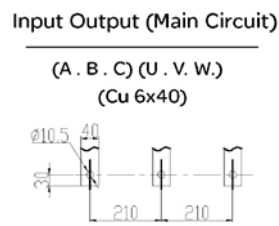
Front view



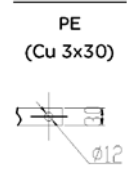
Footprint



Cable connection



Earthing Busbar



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

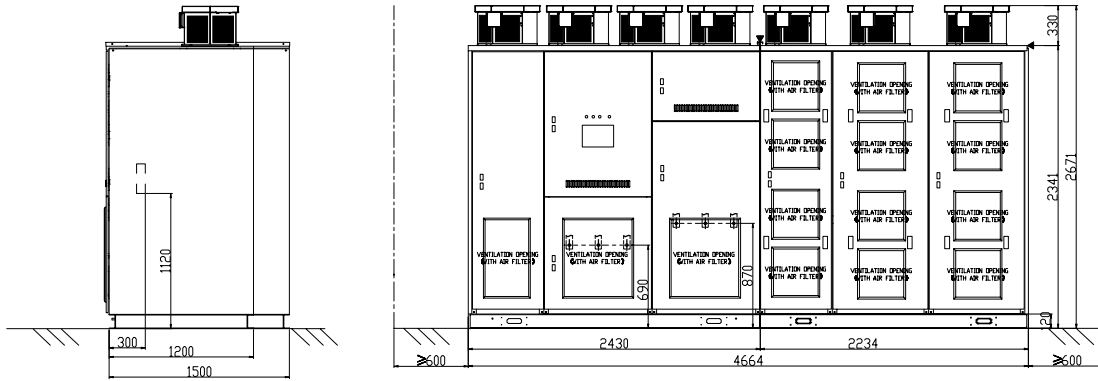
Technical data for output voltage 5.5 kV	
ATV1200	A1910-5555●●●
Nominal data	
Type rating [kVA]	
	1910
Motor power [kW]	
	1597
Continuous output current [A]	
With 120 % overload	200
With 150 % overload	160
Max. output current [A]	
1 min/10 min	240
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 64 <i>(incl. fan power)</i>
High efficiency	≤ 56 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	23100
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	6600
High efficiency	7500
Dimension[mm] W*D*H	
Standard efficiency	4660x1500x2670
High efficiency	4960x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

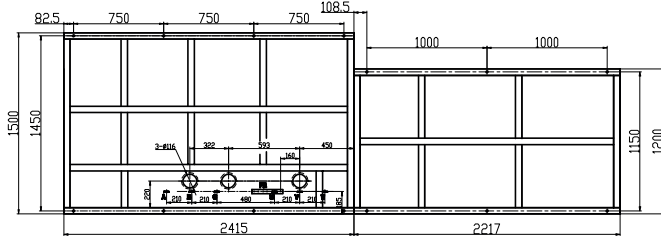
Medium Voltage Drive Systems
Output voltage 5.5 kV

ATV1200-A1910-5555●●S

Front view



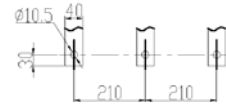
Footprint



Cable connection

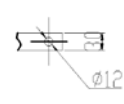
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



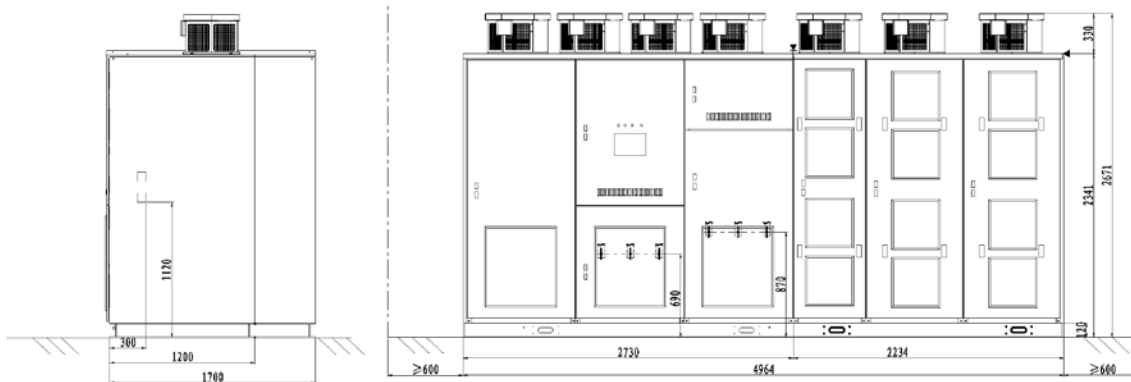
Earthing Busbar

PE
(Cu 3x30)

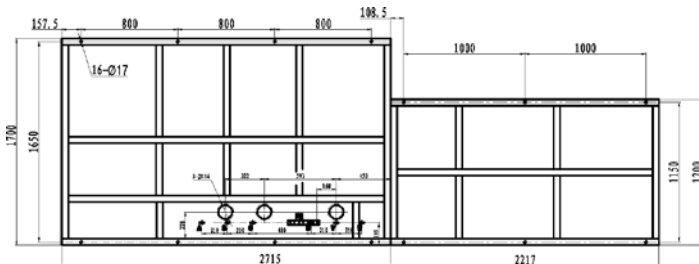


ATV1200-A1910-5555●●H

Front view



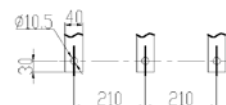
Footprint



Cable connection

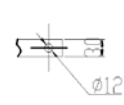
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Technical data for output voltage 5.5 kV		
ATV1200	A2100-5555●●●	A2300-5555●●●
Nominal data		
Type rating [kVA]		
	2100	2300
Motor power [kW]		
	1756	1923
Continuous output current [A]		
With 120 % overload	220	241
With 150 % overload	176	192
Max. output current [A]		
1 min/10 min	264	289
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 70 <i>(incl. fan power)</i>	≤ 77 <i>(incl. fan power)</i>
High efficiency	≤ 61 <i>(incl. fan power)</i>	≤ 67 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	23100	23100
High efficiency	23100	23100
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	6900	7200
High efficiency	7900	8400
Dimension[mm] W*D*H		
Standard efficiency	4660x1600x2670	4660x1600x2670
High efficiency	4960x1700x2670	4960x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

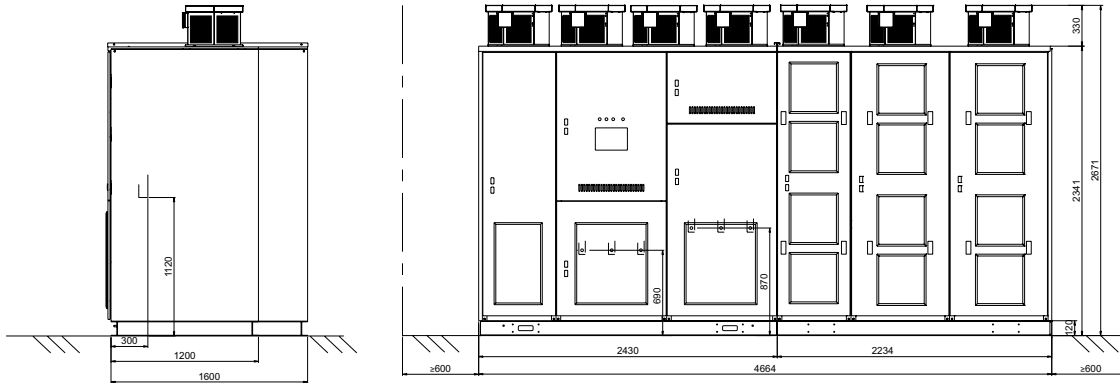
Altivar 1200

Medium Voltage Drive Systems

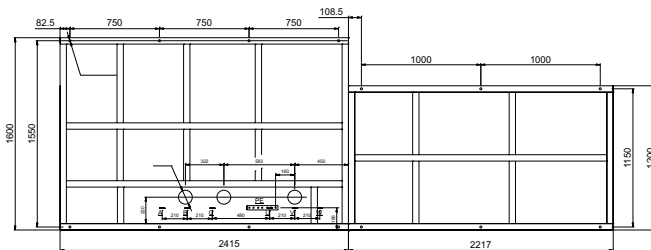
Output voltage 5.5 kV

ATV1200-A2100-5555●●S ... A2300-5555●●S

Front view



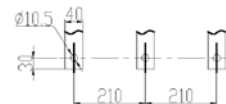
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



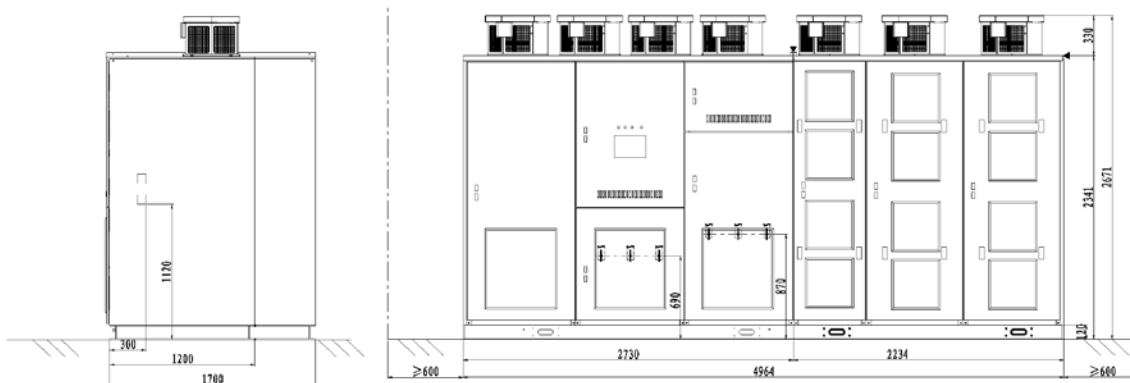
Earthing Busbar

PE
(Cu 3x30)

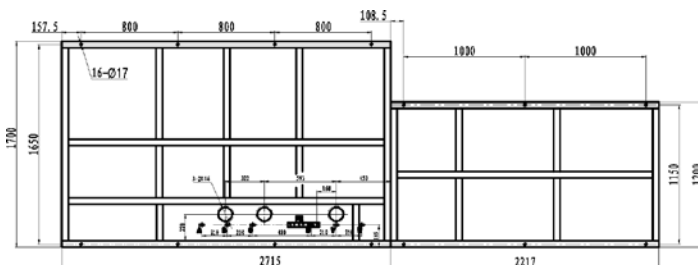


ATV1200-A2100-5555●●H ... A2300-5555●●H

Front view



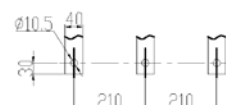
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A2670-5555●●●
Nominal data	
Type rating [kVA]	
	2670
Motor power [kW]	
	2232
Continuous output current [A]	
With 120 % overload	280
With 150 % overload	224
Max. output current [A]	
1 min/10 min	336
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 89 <i>(incl. fan power)</i>
High efficiency	≤ 78 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	43200
High efficiency	43200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7800
High efficiency	9000
Dimension[mm] W*D*H	
Standard efficiency	4660x1600x2820
High efficiency	4960x1700x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

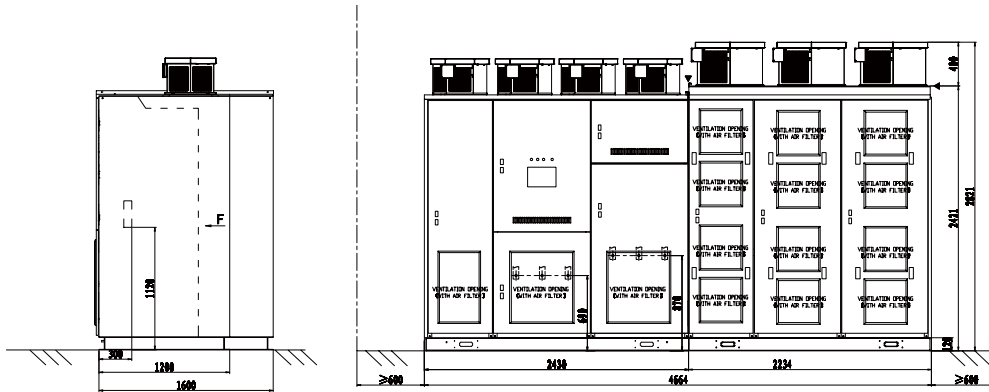
Altivar 1200

Medium Voltage Drive Systems

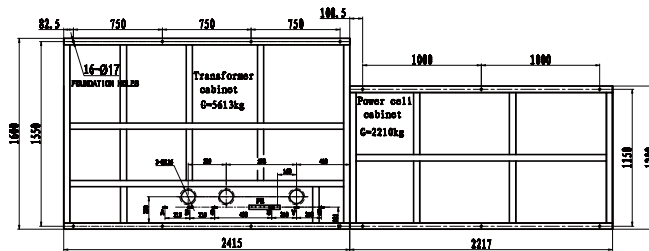
Output voltage 5.5 kV

ATV1200-A2670-5555●●S

Front view

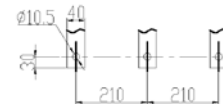


Footprint



Cable connection

Input Output (Main Circuit)
(A . B . C) (U . V . W.)
(Cu 6x40)

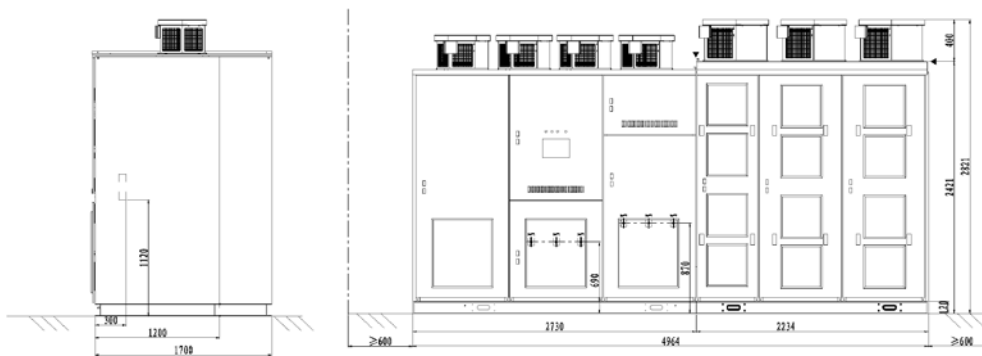


Earthing Busbar
PE
(Cu 3x30)

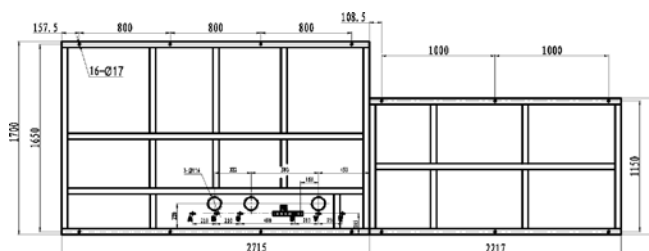


ATV1200-A2670-5555●●H

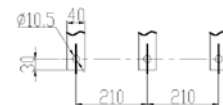
Front view



Footprint



Input Output (Main Circuit)
(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar
PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

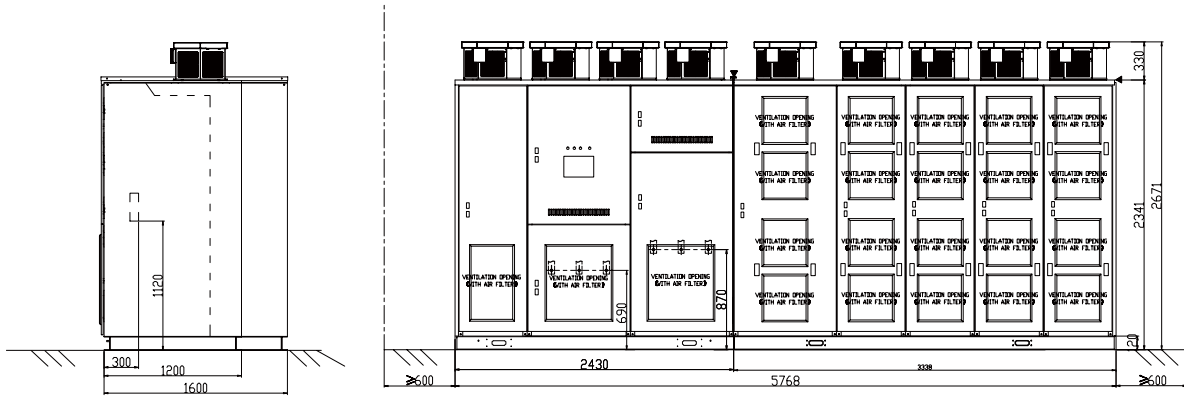
Technical data for output voltage 5.5 kV		
ATV1200	A2870–5555●●●	A3050–5555●●●
Nominal data		
Type rating [kVA]		
	2870	3050
Motor power [kW]		
	2399	2550
Continuous output current [A]		
With 120 % overload	301	320
With 150 % overload	241	256
Max. output current [A]		
1 min/10 min	361	384
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 96 <i>(incl. fan power)</i>	≤ 102 <i>(incl. fan power)</i>
High efficiency	≤ 84 <i>(incl. fan power)</i>	≤ 89 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	29700	29700
High efficiency	29700	29700
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	8100	10000
High efficiency	9200	10800
Dimension[mm] W*D*H		
Standard efficiency	5770x1600x2670	5770x1600x2670
High efficiency	6070x1700x2670	6070x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

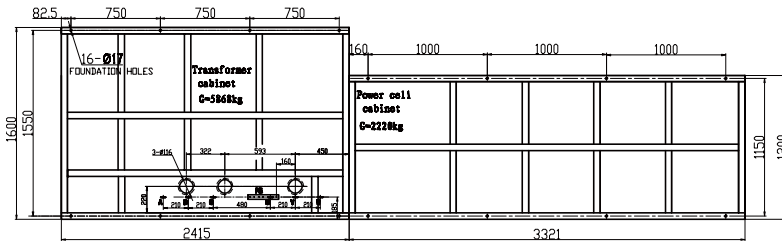
Medium Voltage Drive Systems
Output voltage 5.5 kV

ATV1200-A2870-5555●●S ... A3050-5555●●S

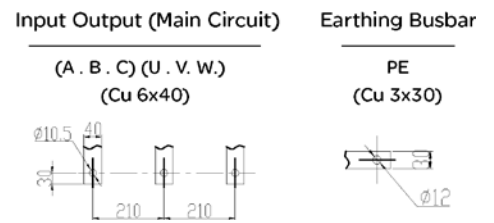
Front view



Footprint

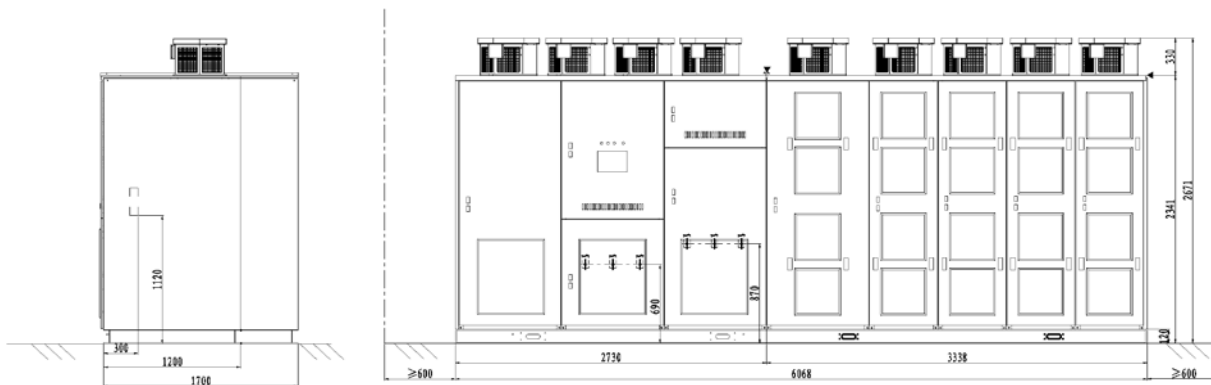


Cable connection

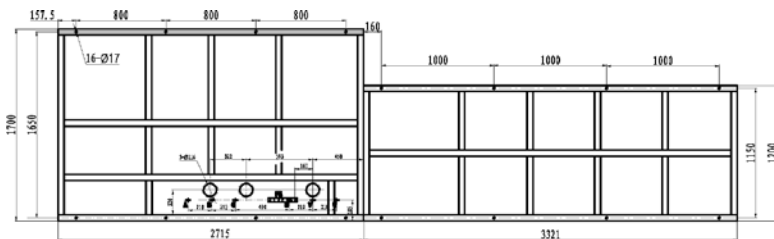


ATV1200-A2870-5555●●H ... A3050-5555●●H

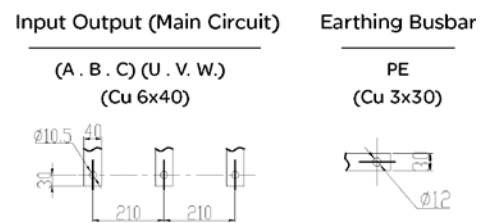
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A3210-5555●●●
Nominal data	
Type rating [kVA]	
	3210
Motor power [kW]	
	2684
Continuous output current [A]	
With 120 % overload	337
With 150 % overload	269
Max. output current [A]	
1 min/10 min	404
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 107 <i>(incl. fan power)</i>
High efficiency	≤ 94 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29700
High efficiency	29700
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	10300
High efficiency	11000
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2670
High efficiency	6070x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

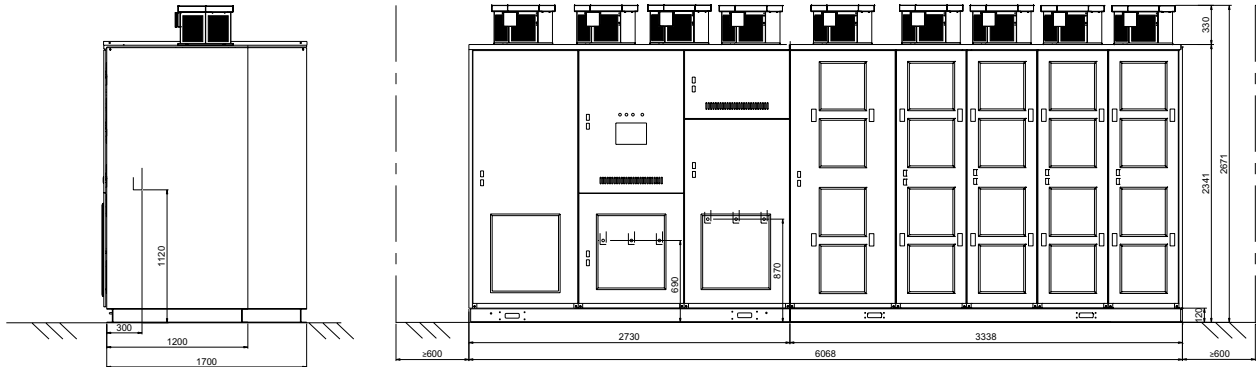
Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

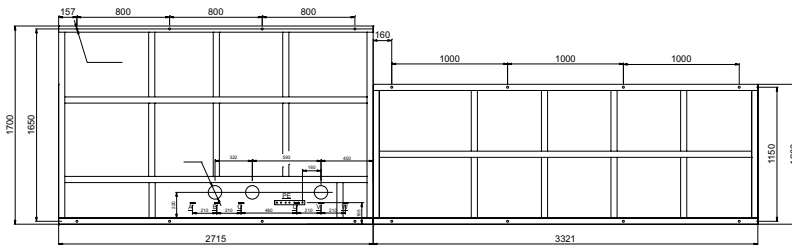
ATV1200-A3210-5555●●S

Front view



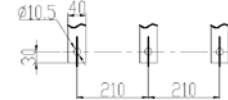
Footprint

Cable connection



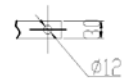
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



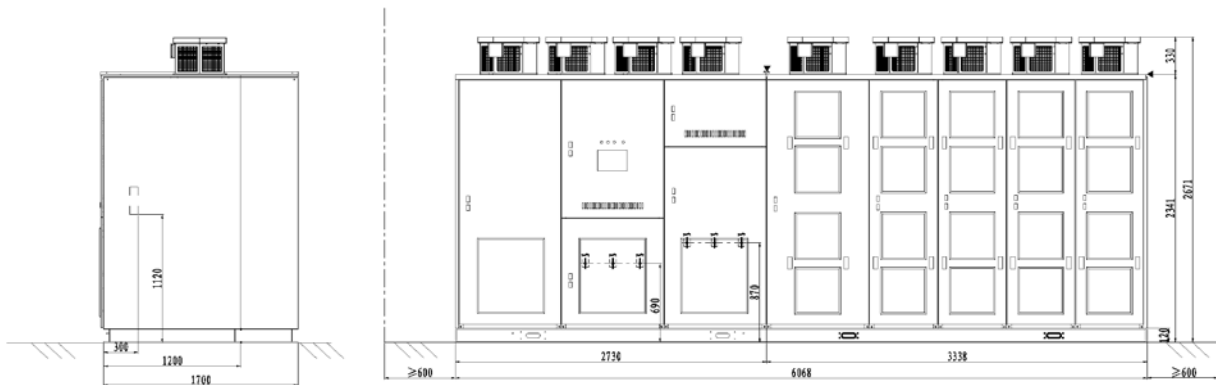
Earthing Busbar

PE
(Cu 3x30)



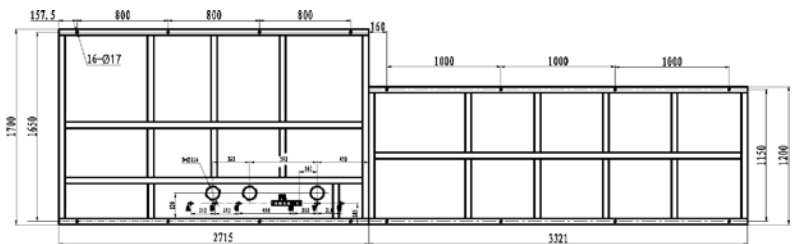
ATV1200-A3210-5555●●H

Front view



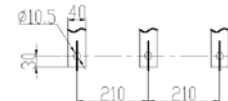
Footprint

Cable connection



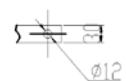
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A3610-5555●●●
Nominal data	
Type rating [kVA]	
	3610
Motor power [kW]	
	3018
Continuous output current [A]	
With 120 % overload	379
With 150 % overload	303
Max. output current [A]	
1 min/10 min	455
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 121 <i>(incl. fan power)</i>
High efficiency	≤ 106 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29700
High efficiency	29700
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	10900
High efficiency	11600
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2670
High efficiency	6070x1700x2970
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

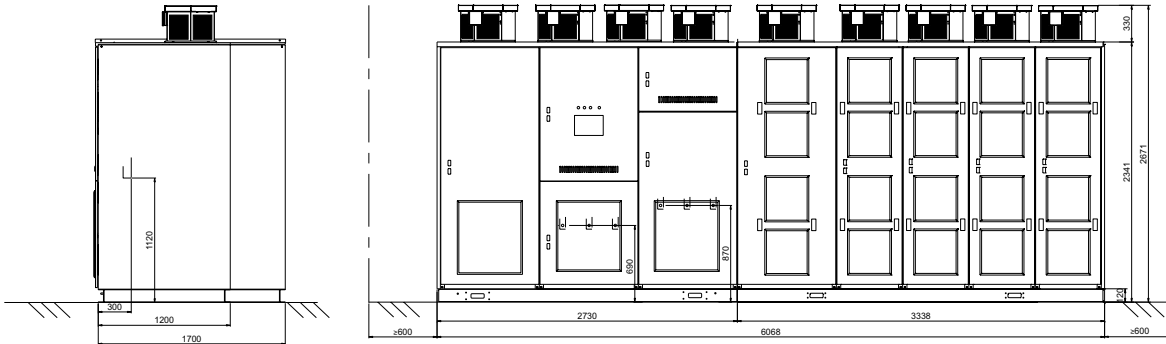
Altivar 1200

Medium Voltage Drive Systems

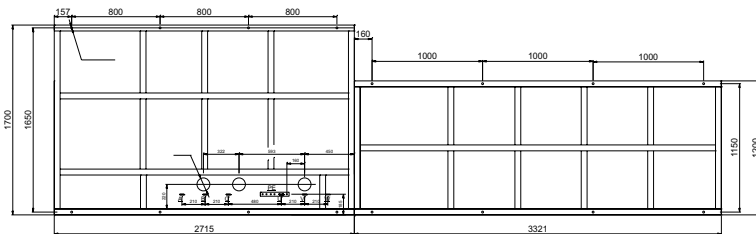
Output voltage 5.5 kV

ATV1200-A3610-5555●●S

Front view



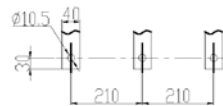
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



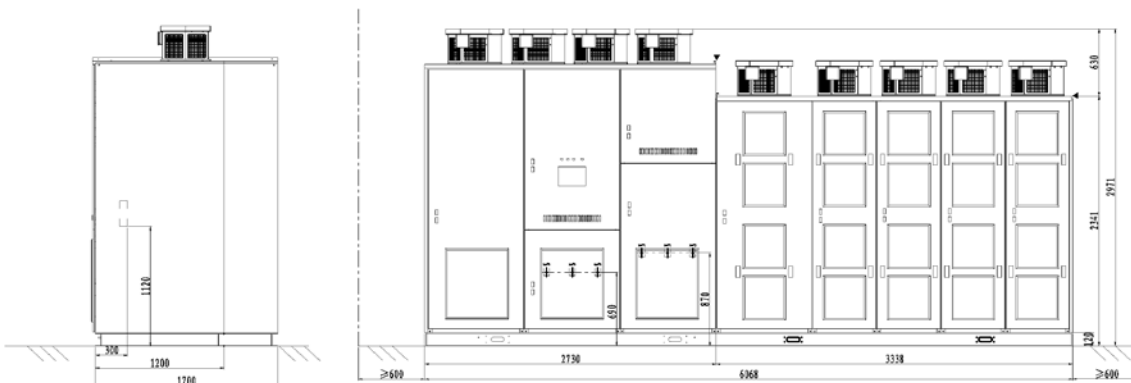
Earthing Busbar

PE
(Cu 3x30)

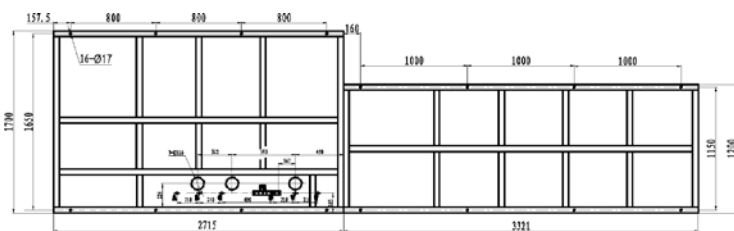


ATV1200-A3610-5555●●H

Front view



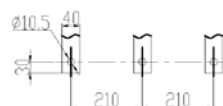
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Technical data for output voltage 5.5 kV		
ATV1200	A3910–5555●●●	A4100–5555●●●
Nominal data		
Type rating [kVA]		
	3910	4100
Motor power [kW]		
	3269	3428
Continuous output current [A]		
With 120 % overload	410	430
With 150 % overload	328	344
Max. output current [A]		
1 min/10 min	492	516
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 131 <i>(incl. fan power)</i>	≤ 137 <i>(incl. fan power)</i>
High efficiency	≤ 114 <i>(incl. fan power)</i>	≤ 120 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	46500	46500
High efficiency	46500	46500
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	11100	11300
High efficiency	12200	12400
Dimension[mm] W*D*H		
Standard efficiency	6070x1700x2740	6070x1700x2740
High efficiency	6370x1800x3040	6370x1800x3040
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

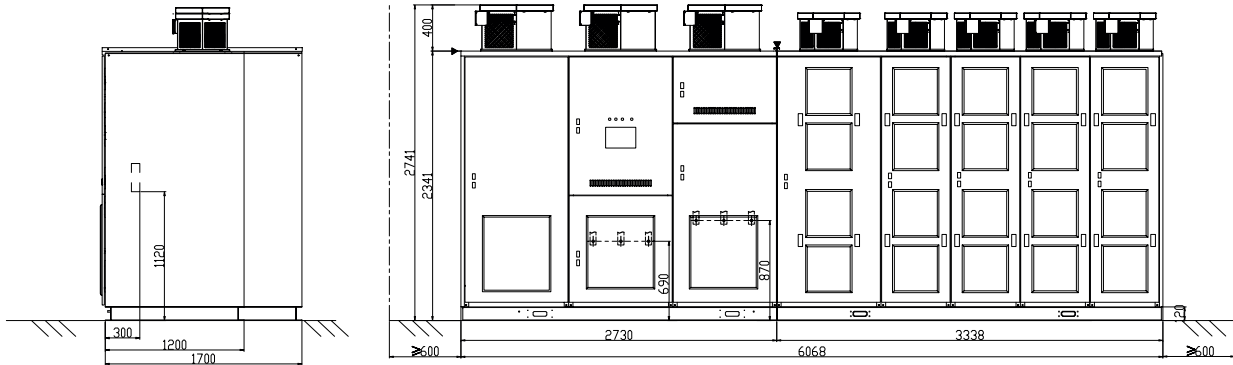
Altivar 1200

Medium Voltage Drive Systems

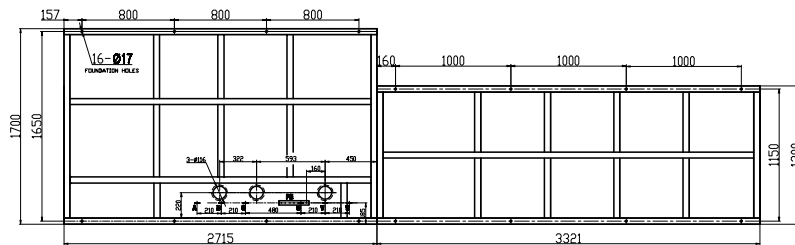
Output voltage 5.5 kV

ATV1200-A3910-5555●●S ... A4100-5555●●S

Front view



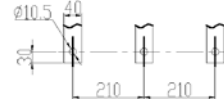
Footprint



Cable connection

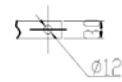
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



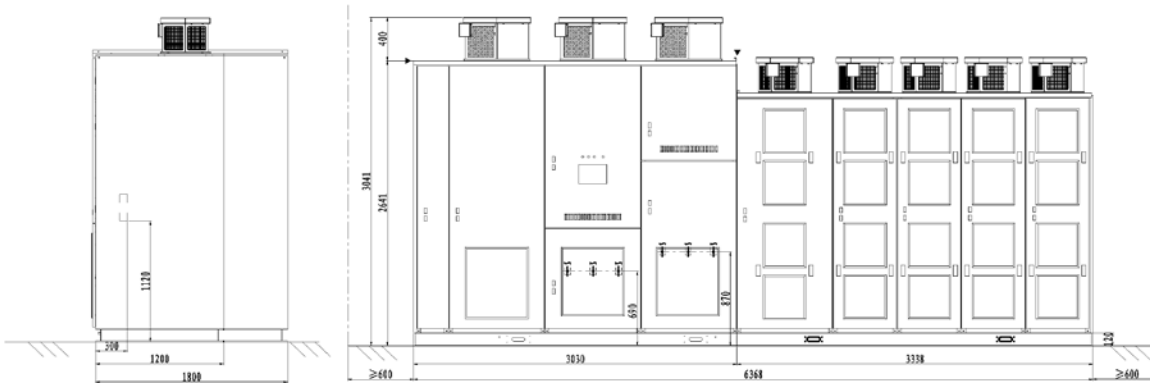
Earthing Busbar

PE
(Cu 3x30)

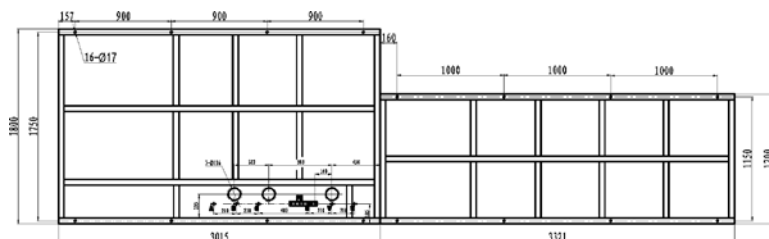


ATV1200-A3910-5555●●H ... A4100-5555●●H

Front view



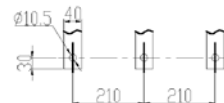
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

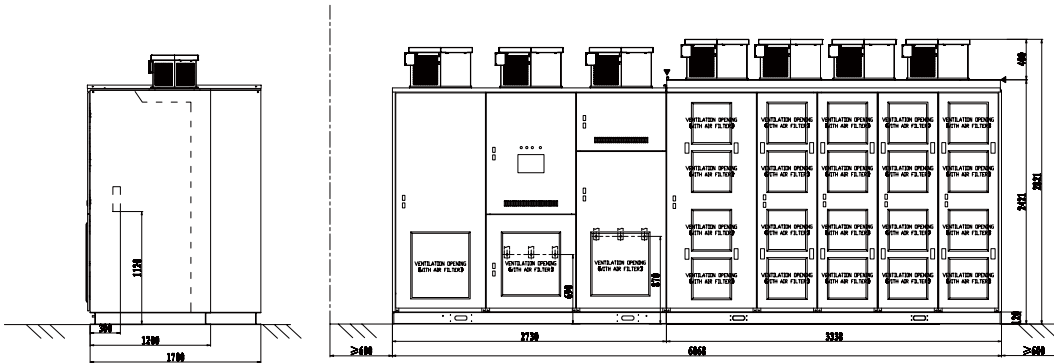
Technical data for output voltage 5.5 kV	
ATV1200	A4680-5555●●●
Nominal data	
Type rating [kVA]	
	4680
Motor power [kW]	
	3912
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 156 <i>(incl. fan power)</i>
High efficiency	≤ 137 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	70000
High efficiency	70000
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	12500
High efficiency	13100
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2820
High efficiency	6370x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

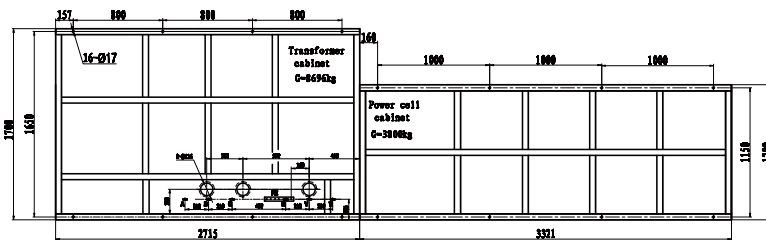
Medium Voltage Drive Systems
Output voltage 5.5 kV

ATV1200-A4680-5555●●S

Front view



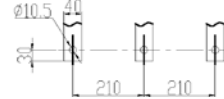
Footprint



Cable connection

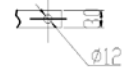
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



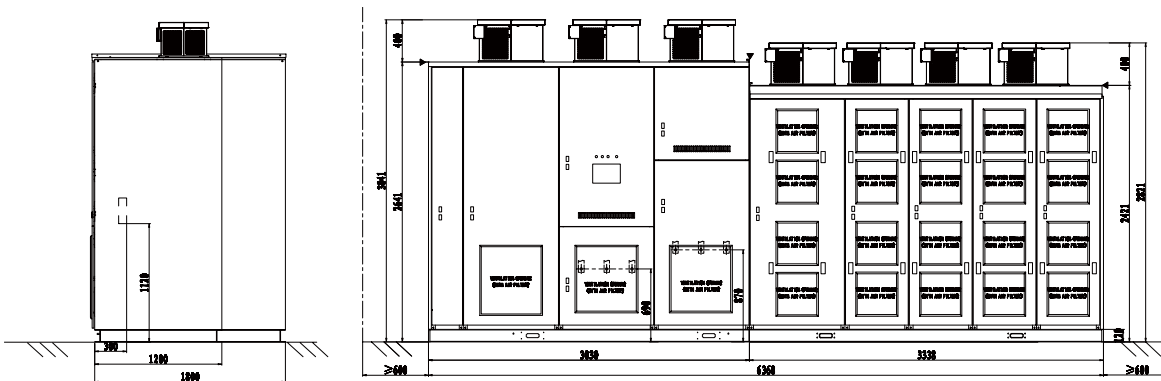
Earthing Busbar

PE
(Cu 3x30)

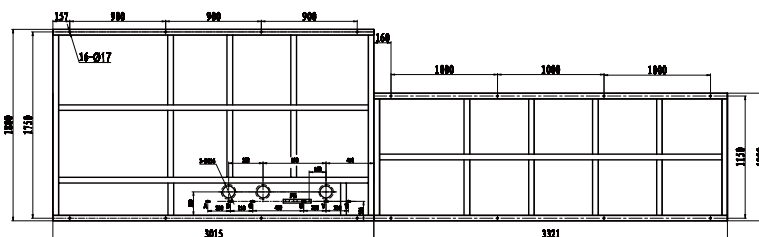


ATV1200-A4680-5555●●H

Front view



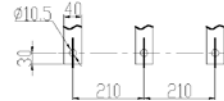
Footprint



Cable connection

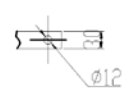
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

Technical data for output voltage 5.5 kV		
ATV1200	A5250–5555●●●	A5810–5555●●●
Nominal data		
Type rating [kVA]		
	5250	5810
Motor power [kW]		
	4389	4857
Continuous output current [A]		
With 120 % overload	550	611
With 150 % overload	440	489
Max. output current [A]		
1 min/10 min	661	733
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 171 <i>(incl. fan power)</i>	≤ 189 <i>(incl. fan power)</i>
High efficiency	≤ 154 <i>(incl. fan power)</i>	≤ 170 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	80000	80000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	15300	15600
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	7770x1800x3040	7770x1800x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

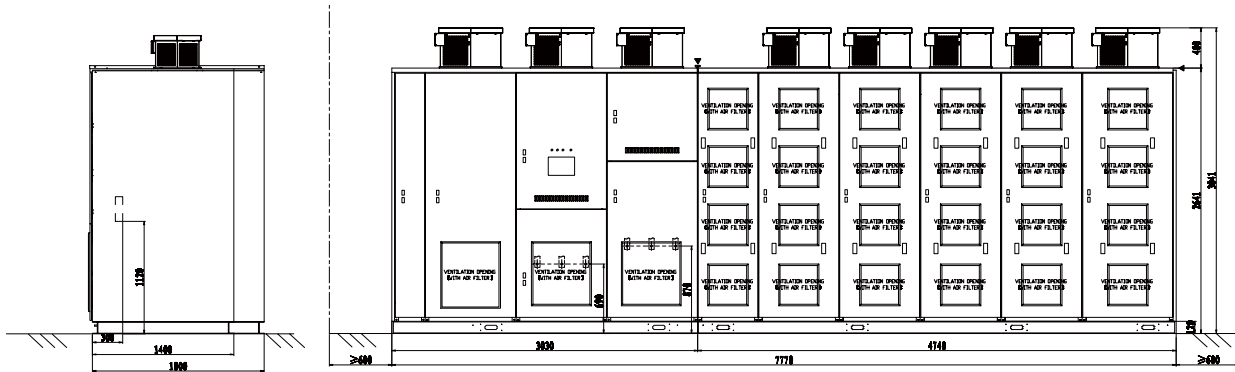
Altivar 1200

Medium Voltage Drive Systems

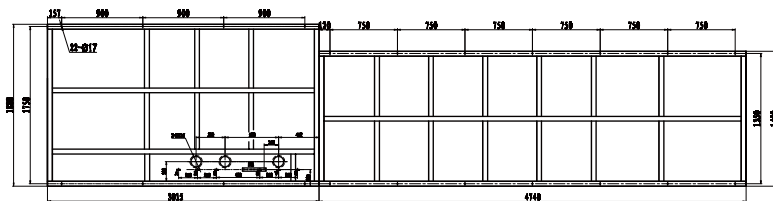
Output voltage 5.5 kV

ATV1200-A5250-5555●●S ... A5810-5555●●S

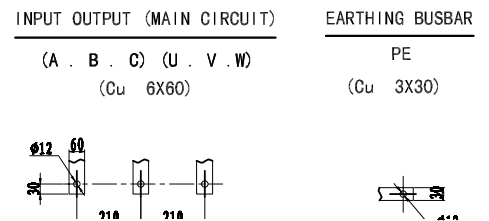
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 5.5 kV

Technical data for output voltage 5.5 kV	
ATV1200	A6300-5555●●●
Nominal data	
Type rating [kVA]	
	6300
Motor power [kW]	
	5267
Continuous output current [A]	
With 120 % overload	660
With 150 % overload	528
Max. output current [A]	
1 min/10 min	792
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 200 <i>(incl. fan power)</i>
High efficiency	≤ 184 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	80000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	16500
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	8670x1600x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

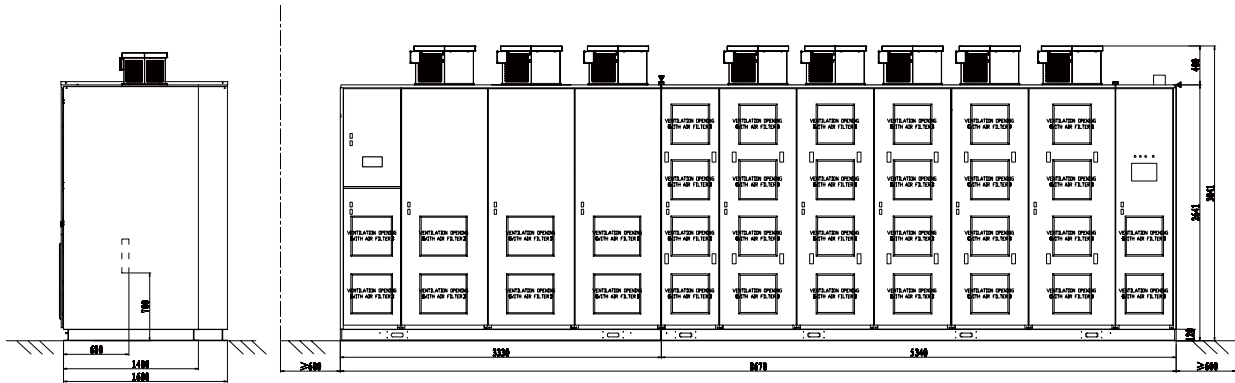
Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

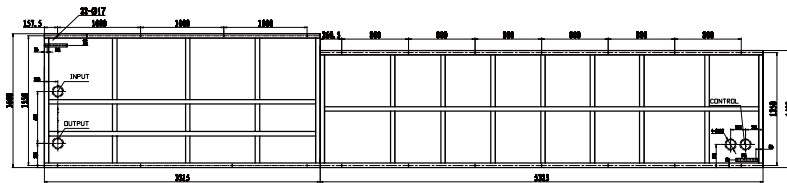
ATV1200-A6300-5555••S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 5.5 kV

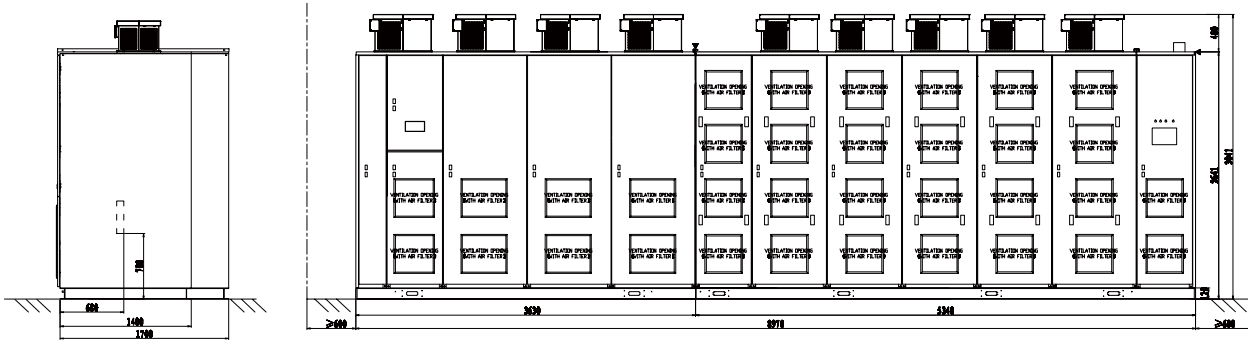
Technical data for output voltage 5.5 kV			
ATV1200	A6900–5555●●●	A7450–5555●●●	A8100–5555●●●
Nominal data			
Type rating [kVA]			
	6900	7450	8100
Motor power [kW]			
	5768	6228	6772
Continuous output current [A]			
With 120 % overload	720	780	850
With 150 % overload	576	624	680
Max. output current [A]			
1 min/10 min	864	936	1020
Power cells			
Number of cells per phase			
	5	5	5
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 213 <i>(incl. fan power)</i>	≤ 230 <i>(incl. fan power)</i>	≤ 251 <i>(incl. fan power)</i>
High efficiency	≤ 202 <i>(incl. fan power)</i>	≤ 218 <i>(incl. fan power)</i>	≤ 237 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	90000	90000	90000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	18400	19900	20300
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	8970x1700x3040	8970x1700x3040	8970x1700x3040
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

Altivar 1200

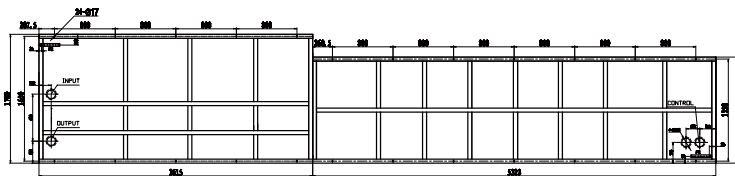
Medium Voltage Drive Systems
Output voltage 5.5 kV

ATV1200-A6900-5555... A8100-5555...S

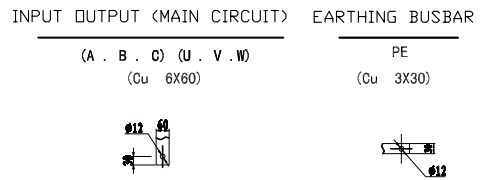
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.0 kV

Technical data for output voltage 6.0 kV			
ATV1200	A470–6060●●●	A570–6060●●●	A670–6060●●●
Nominal data			
Type rating [kVA]			
	470	570	670
Motor power [kW]			
	393	477	560
Continuous output current [A]			
With 120 % overload	45	55	65
With 150 % overload	36	44	52
Max. output current [A]			
1 min/10 min	54	66	78
Power cells			
Number of cells per phase			
	5	5	5
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 16 <i>(incl. fan power)</i>	≤ 19 <i>(incl. fan power)</i>	≤ 22 <i>(incl. fan power)</i>
High efficiency	≤ 14 <i>(incl. fan power)</i>	≤ 17 <i>(incl. fan power)</i>	≤ 20 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	9900	9900	9900
High efficiency	19900	19900	19900
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	2900	2900	3300
High efficiency	3800	4100	4200
Dimension[mm] W*D*H			
Standard efficiency	2860x1400x2590	2860x1400x2590	2860x1400x2590
High efficiency	3160x1500x2740	3160x1500x2740	3160x1500x2740
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

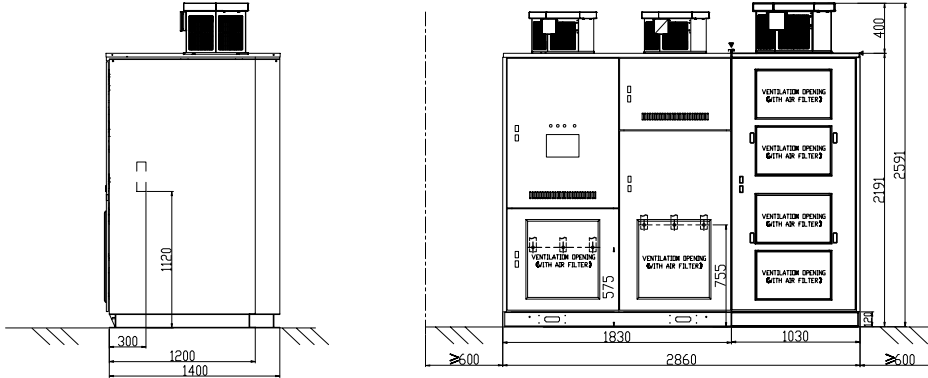
Altivar 1200

Medium Voltage Drive Systems

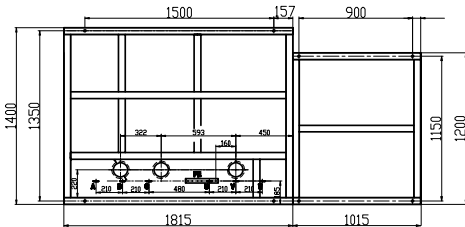
Output voltage 6.0 kV

ATV1200-A430-6060●●S ... A620-6060●●S

Front view



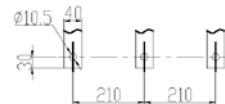
Footprint



Cable connection

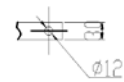
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



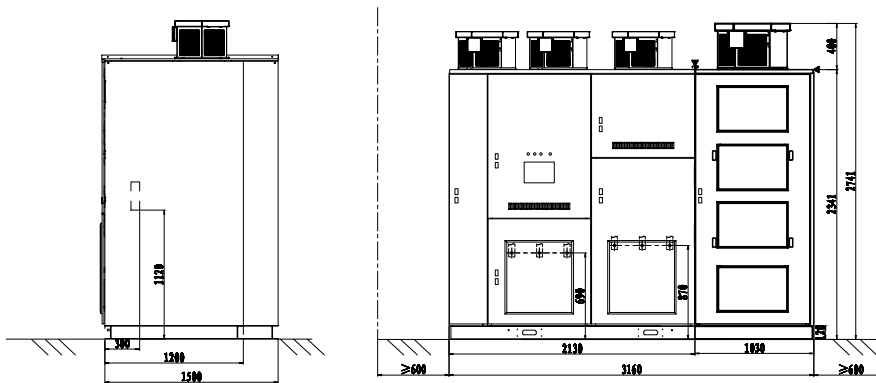
Earthing Busbar

PE
(Cu 3x30)

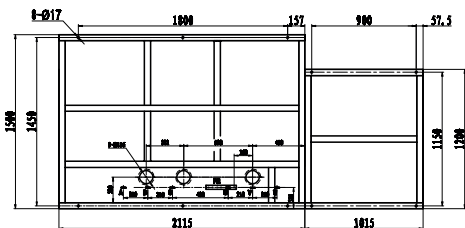


ATV1200-A430-6060●●H ... A620-6060●●H

Front view



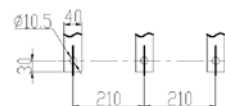
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.0 kV

Technical data for output voltage 6.0 kV		
ATV1200	A790–6060●●●	A940–6060●●●
Nominal data		
Type rating [kVA]		
	790	940
Motor power [kW]		
	660	786
Continuous output current [A]		
With 120 % overload	76	90
With 150 % overload	61	72
Max. output current [A]		
1 min/10 min	91	108
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 26 <i>(incl. fan power)</i>	≤ 31 <i>(incl. fan power)</i>
High efficiency	≤ 23 <i>(incl. fan power)</i>	≤ 28 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	9900	16600
High efficiency	23200	23200
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	3300	3600
High efficiency	4400	4600
Dimension[mm] W*D*H		
Standard efficiency	2860x1400x2590	2860x1400x2590
High efficiency	3460x1500x2740	3460x1500x2740
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

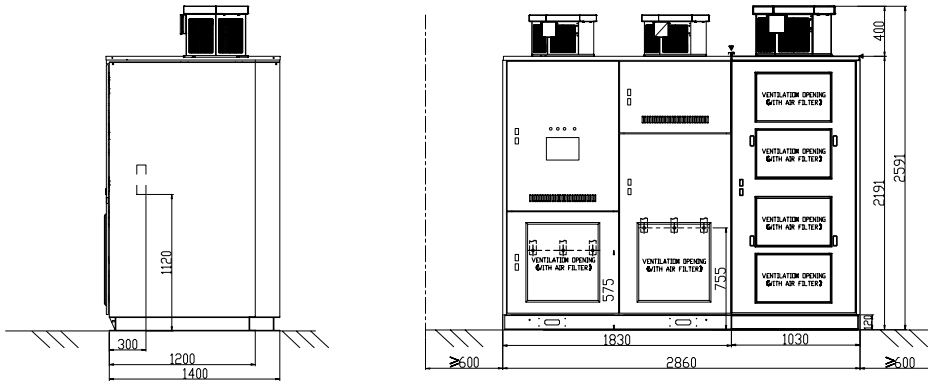
Altivar 1200

Medium Voltage Drive Systems

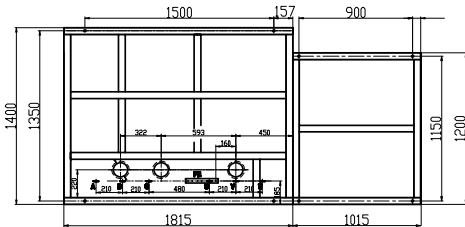
Output voltage 6.0 kV

ATV1200-A790-6060●●S ... A940-6060●●S

Front view



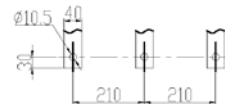
Footprint



Cable connection

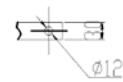
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



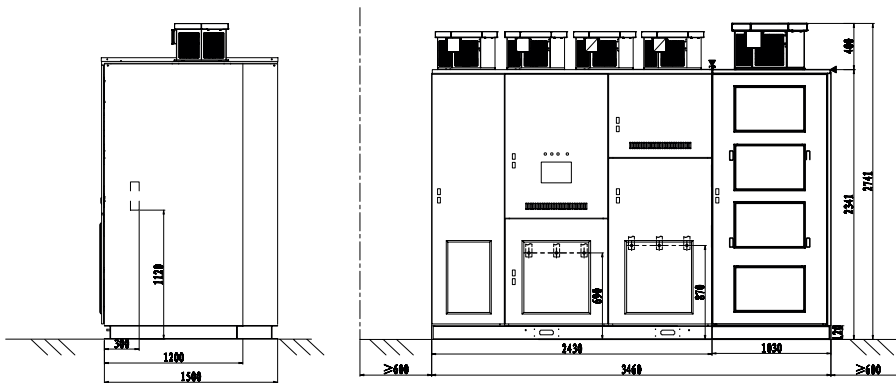
Earthing Busbar

PE
(Cu 3x30)

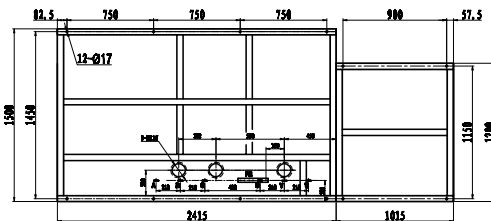


ATV1200-A790-6060●●H ... A940-6060●●H

Front view



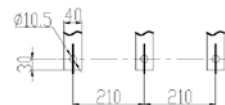
Footprint



Cable connection

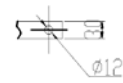
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



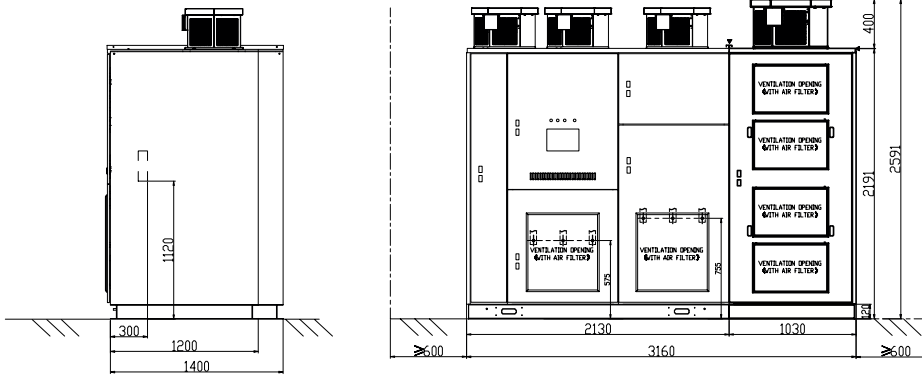
Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A1040–6060●●●
Nominal data	
Type rating [kVA]	
	1040
Motor power [kW]	
	869
Continuous output current [A]	
With 120 % overload	100
With 150 % overload	80
Max. output current [A]	
1 min/10 min	120
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 35 <i>(incl. fan power)</i>
High efficiency	≤ 30 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	19900
High efficiency	23200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	3800
High efficiency	4800
Dimension[mm] W*D*H	
Standard efficiency	3160x1400x2590
High efficiency	3460x1600x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

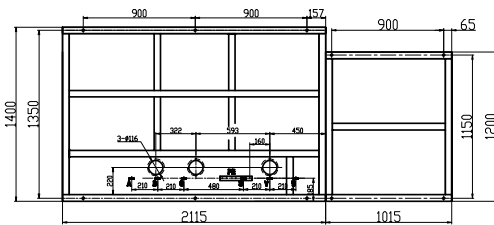
ATV1200-A1040-6060●●S

Front view



Footprint

Cable connection

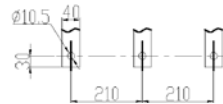


Input Output (Main Circuit)

Earthing Busbar

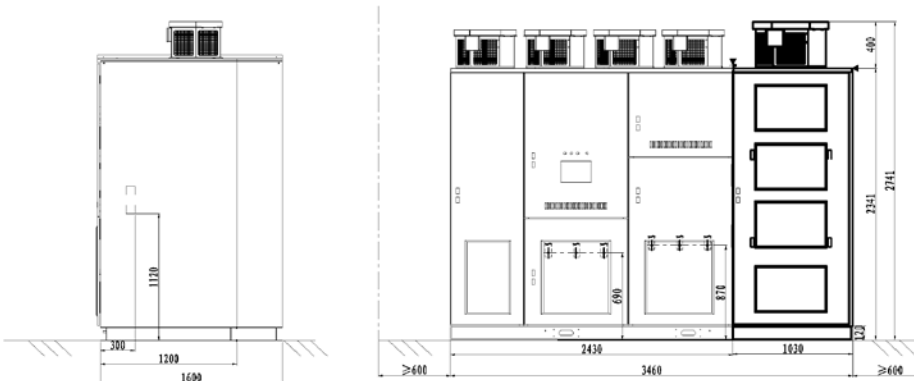
(A . B . C) (U . V . W.)
(Cu 6x40)

PE
(Cu 3x30)



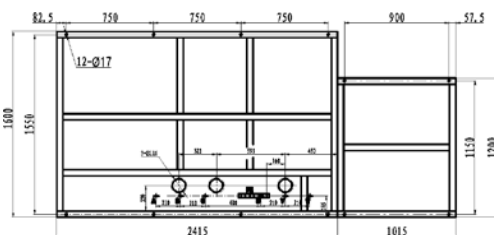
ATV1200-A1040-6060●●H

Front view



Footprint

Cable connection

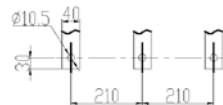


Input Output (Main Circuit)

Earthing Busbar

(A . B . C) (U . V . W.)
(Cu 6x40)

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A1190-6060●●●
Nominal data	
Type rating [kVA]	
	1190
Motor power [kW]	
	995
Continuous output current [A]	
With 120 % overload	114
With 150 % overload	91
Max. output current [A]	
1 min/10 min	137
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 40 <i>(incl. fan power)</i>
High efficiency	≤ 35 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16500
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	4100
High efficiency	5000
Dimension[mm] W*D*H	
Standard efficiency	3660x1400x2520
High efficiency	3960x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

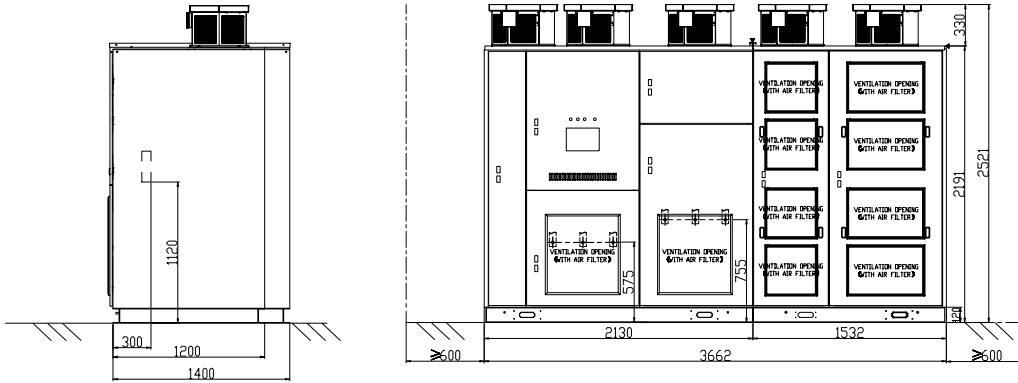
Altivar 1200

Medium Voltage Drive Systems

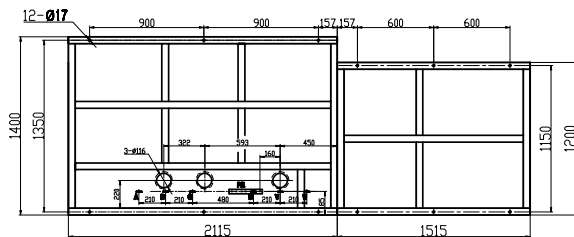
Output voltage 6.0 kV

ATV1200-A1190-6060●●S

Front view



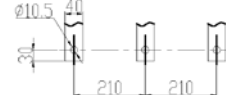
Footprint



Cable connection

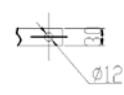
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



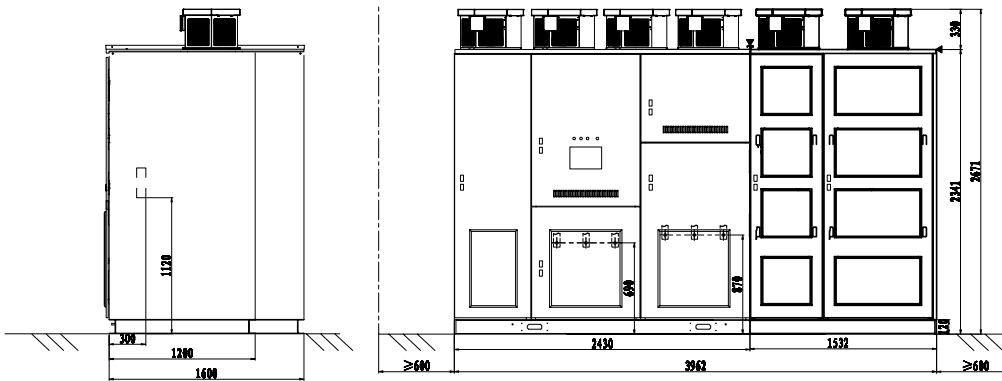
Earthing Busbar

PE
(Cu 3x30)

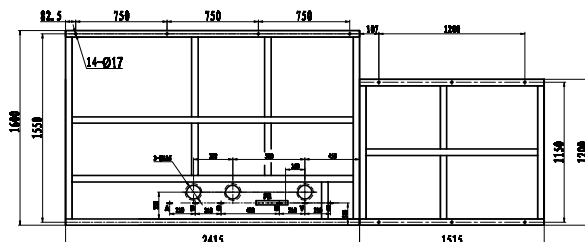


ATV1200-A1190-6060●●H

Front view



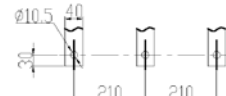
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A1400-6060●●●
Nominal data	
Type rating [kVA]	
	1400
Motor power [kW]	
	1170
Continuous output current [A]	
With 120 % overload	135
With 150 % overload	108
Max. output current [A]	
1 min/10 min	162
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 47 <i>(incl. fan power)</i>
High efficiency	≤ 41 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	16500
High efficiency	19800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5100
High efficiency	5800
Dimension[mm] W*D*H	
Standard efficiency	3660x1500x2670
High efficiency	3960x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

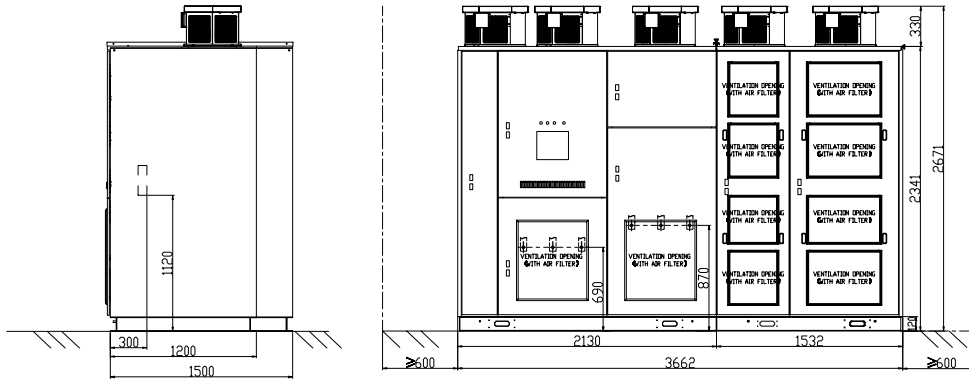
Altivar 1200

Medium Voltage Drive Systems

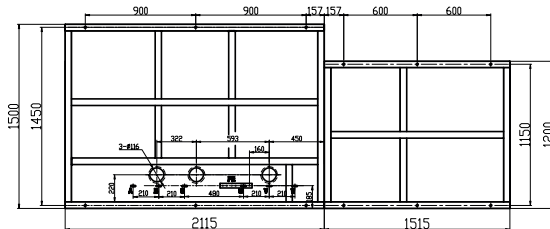
Output voltage 6.0 kV

ATV1200-A1400-6060●●S

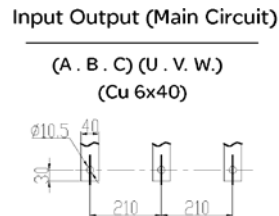
Front view



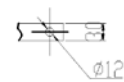
Footprint



Cable connection

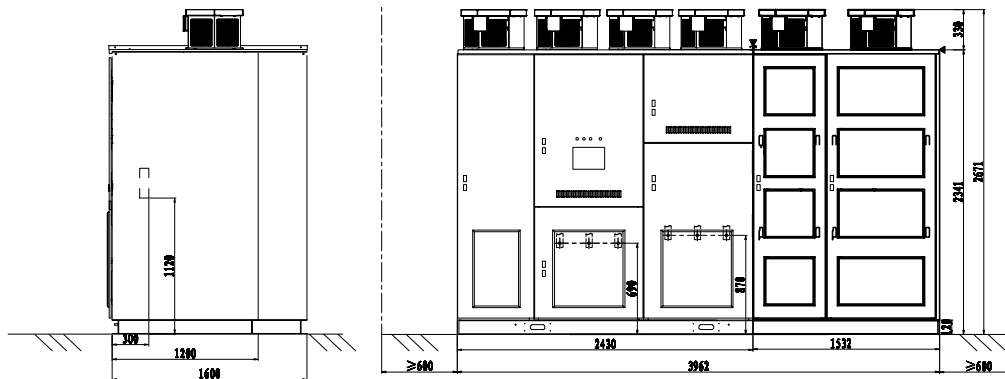


Earthing Busbar
PE
(Cu 3x30)

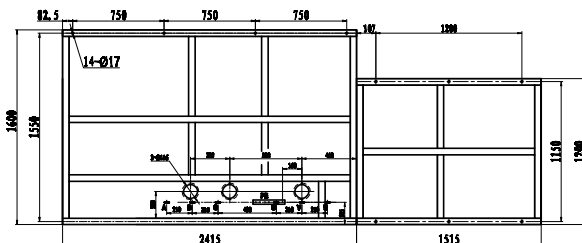


ATV1200-A1400-6060●●H

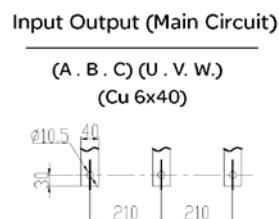
Front view



Footprint



Cable connection



Earthing Busbar
PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A1560-6060●●●
Nominal data	
Type rating [kVA]	
	1560
Motor power [kW]	
	1304
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 52 <i>(incl. fan power)</i>
High efficiency	≤ 46 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5300
High efficiency	6000
Dimension[mm] W*D*H	
Standard efficiency	3660x1500x2820
High efficiency	3960x1600x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

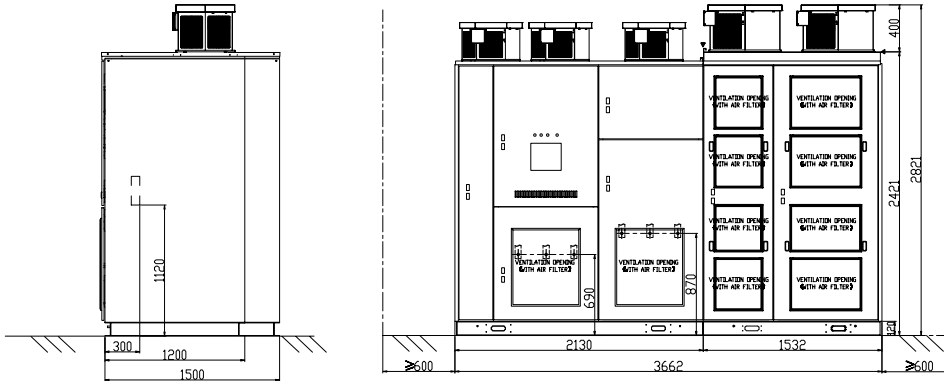
Altivar 1200

Medium Voltage Drive Systems

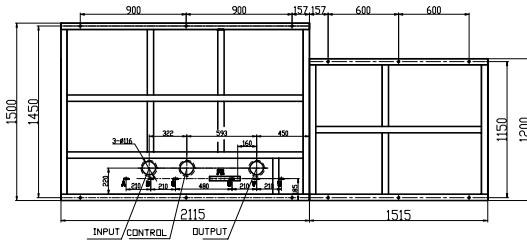
Output voltage 6.0 kV

ATV1200-A1560-6060●●S

Front view



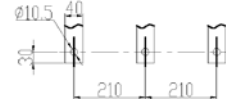
Footprint



Cable connection

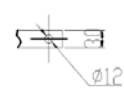
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



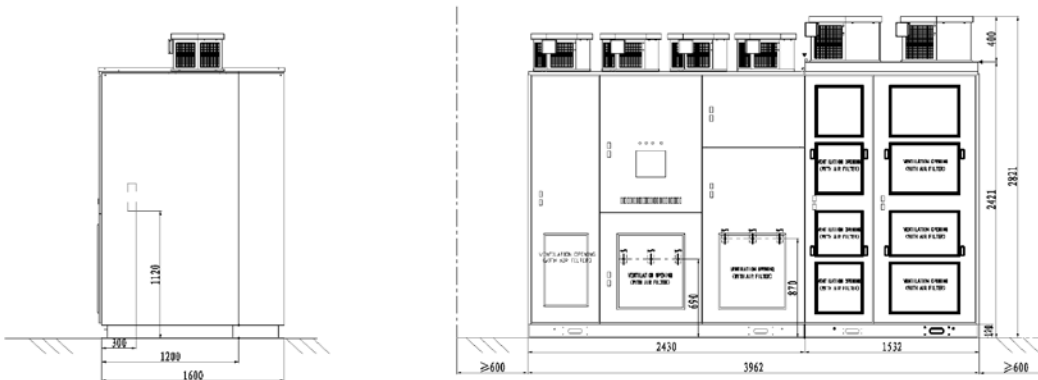
Earthing Busbar

PE
(Cu 3x30)

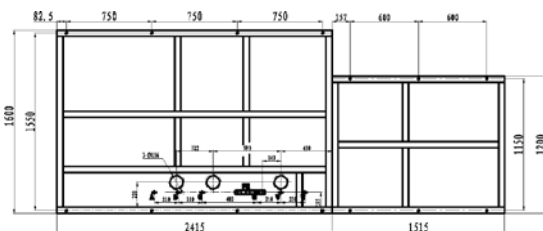


ATV1200-A1560-6060●●H

Front view



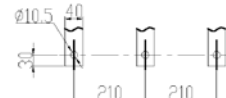
Footprint



Cable connection

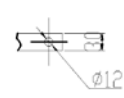
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A1750-6060●●●
Nominal data	
Type rating [kVA]	
	1750
Motor power [kW]	
	1463
Continuous output current [A]	
With 120 % overload	168
With 150 % overload	135
Max. output current [A]	
1 min/10 min	202
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 59 <i>(incl. fan power)</i>
High efficiency	≤ 51 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	19800
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5500
High efficiency	6600
Dimension[mm] W*D*H	
Standard efficiency	4360x1500x2670
High efficiency	4660x1600x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

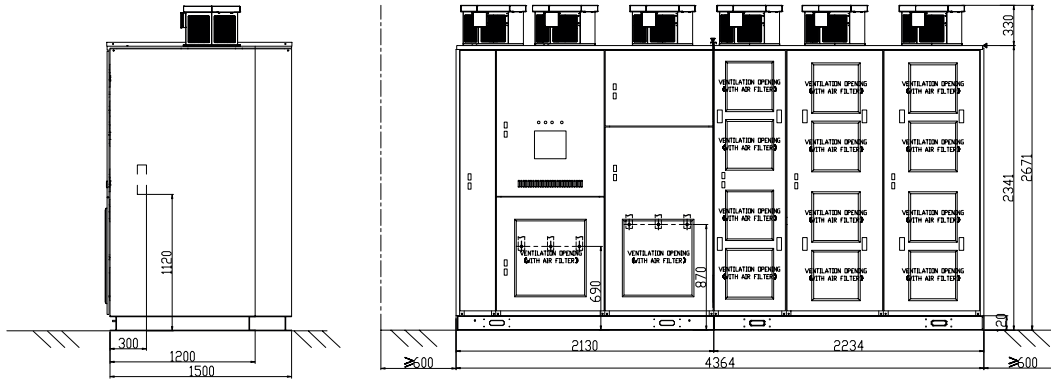
Altivar 1200

Medium Voltage Drive Systems

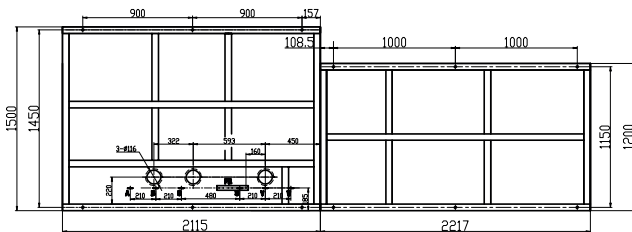
Output voltage 6.0 kV

ATV1200-A1750-6060●●S

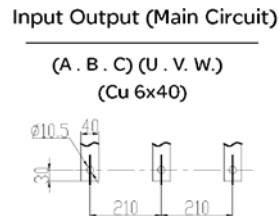
Front view



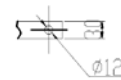
Footprint



Cable connection

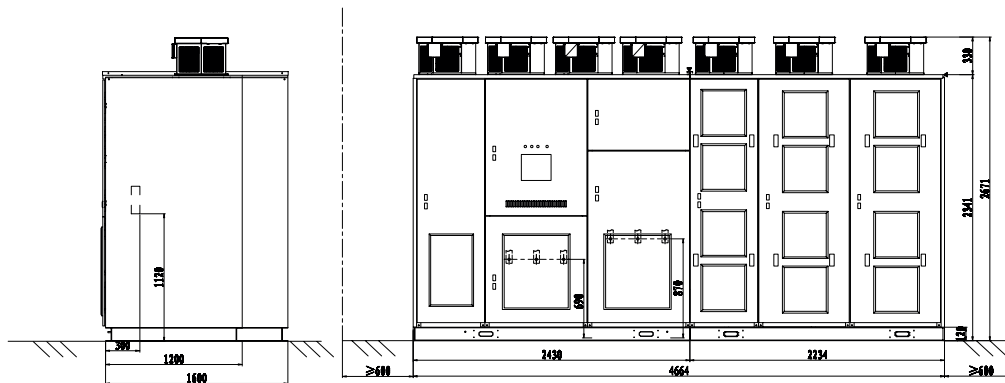


Earthing Busbar
PE
(Cu 3x30)

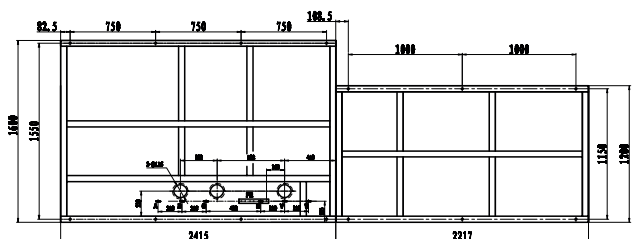


ATV1200-A1750-6060●●H

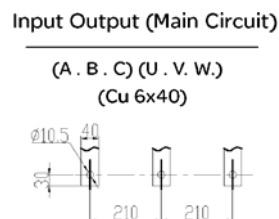
Front view



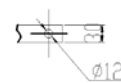
Footprint



Cable connection



Earthing Busbar
PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

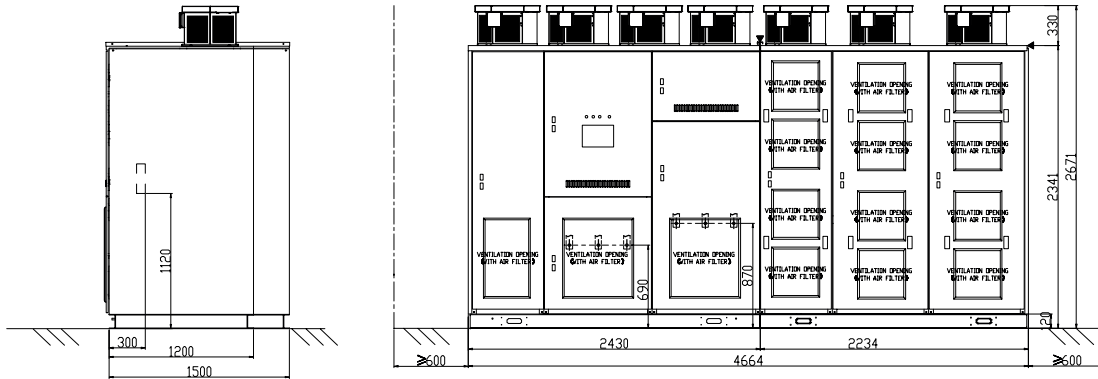
Technical data for output voltage 6.0 kV	
ATV1200	A2080-6060●●●
Nominal data	
Type rating [kVA]	
	2080
Motor power [kW]	
	1739
Continuous output current [A]	
With 120 % overload	200
With 150 % overload	160
Max. output current [A]	
1 min/10 min	240
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 70 <i>(incl. fan power)</i>
High efficiency	≤ 61 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	23100
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	6600
High efficiency	7500
Dimension[mm] W*D*H	
Standard efficiency	4660x1500x2670
High efficiency	4960x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

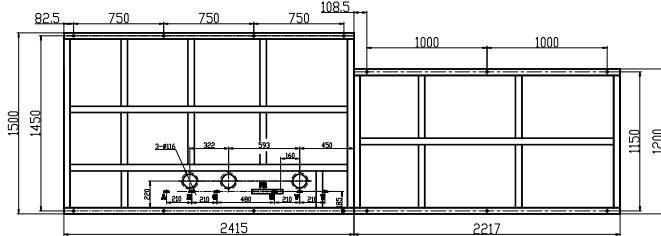
Medium Voltage Drive Systems
Output voltage 6.0 kV

ATV1200-A2080-6060●●S

Front view



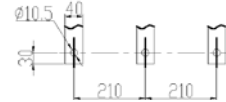
Footprint



Cable connection

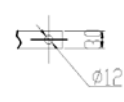
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



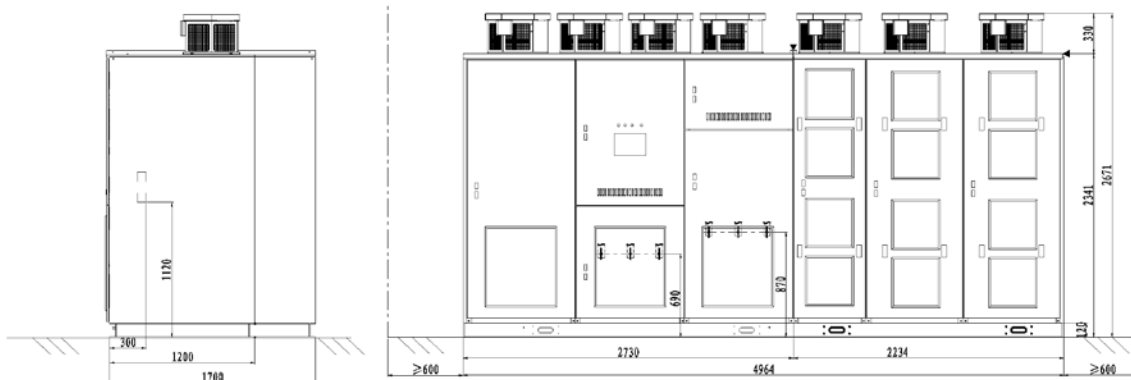
Earthing Busbar

PE
(Cu 3x30)

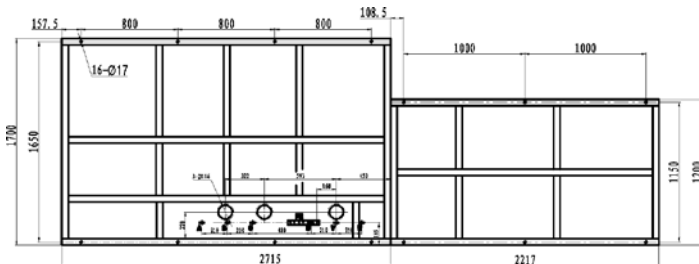


ATV1200-A2080-6060●●H

Front view



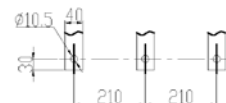
Footprint



Cable connection

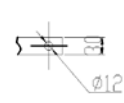
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV		
ATV1200	A2290–6060●●●	A2500–6060●●●
Nominal data		
Type rating [kVA]		
	2290	2500
Motor power [kW]		
	1914	2090
Continuous output current [A]		
With 120 % overload	220	241
With 150 % overload	176	192
Max. output current [A]		
1 min/10 min	264	289
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 77 <i>(incl. fan power)</i>	≤ 84 <i>(incl. fan power)</i>
High efficiency	≤ 67 <i>(incl. fan power)</i>	≤ 73 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	23100	23100
High efficiency	23100	23100
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	6900	7200
High efficiency	7900	8400
Dimension[mm] W*D*H		
Standard efficiency	4660x1600x2670	4660x1600x2670
High efficiency	4960x1700x2670	4960x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

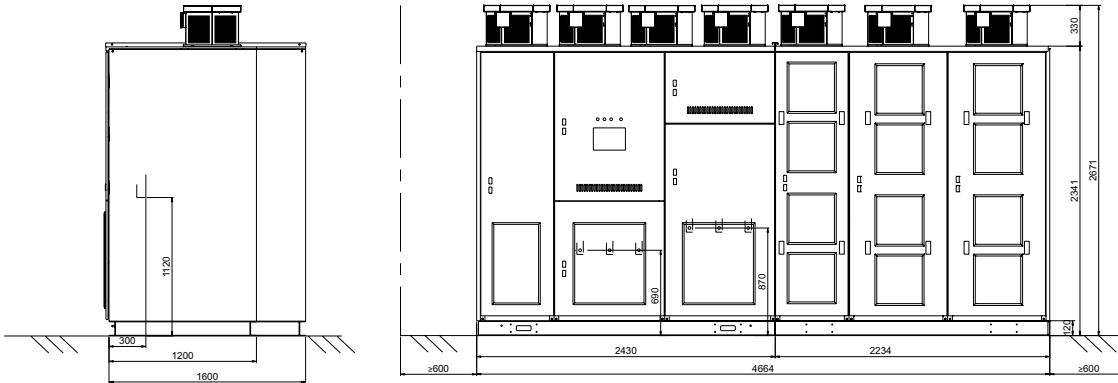
Altivar 1200

Medium Voltage Drive Systems

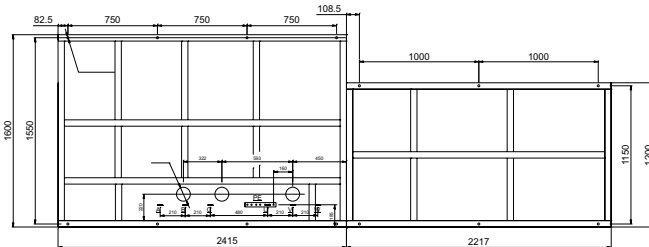
Output voltage 6.0 kV

ATV1200-A2290-6060●●S ... A2500-6060●●S

Front view



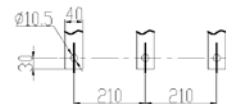
Footprint



Cable connection

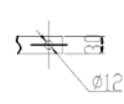
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



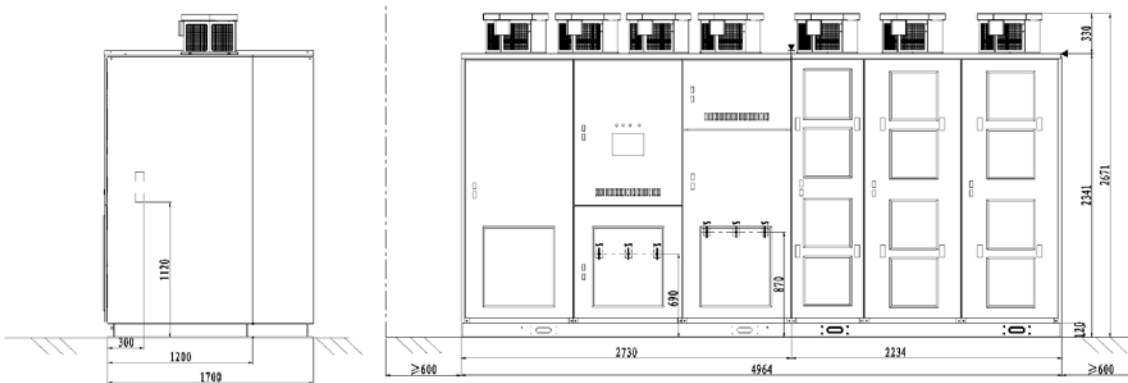
Earthing Busbar

PE
(Cu 3x30)

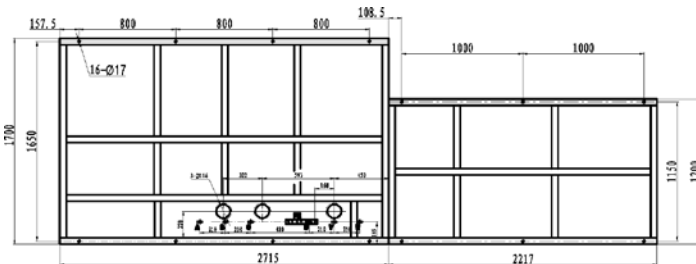


ATV1200-A2290-6060●●H ... A2500-6060●●H

Front view



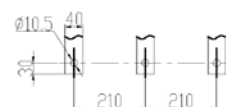
Footprint



Cable connection

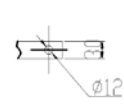
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



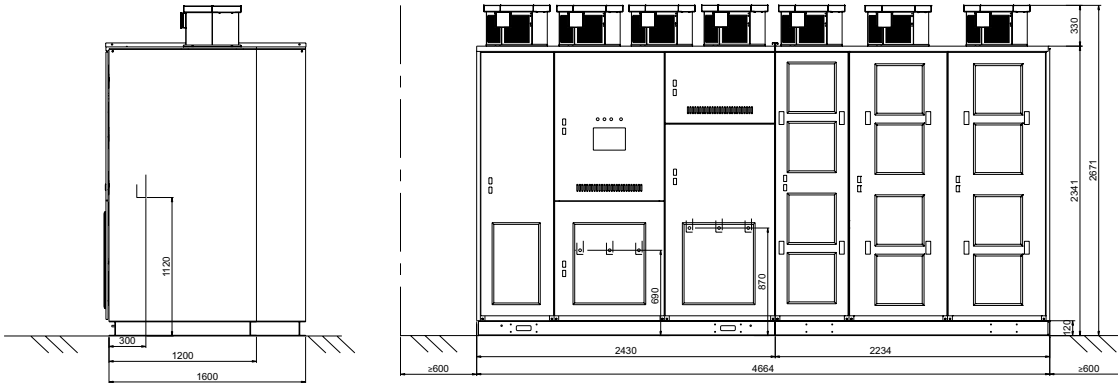
Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

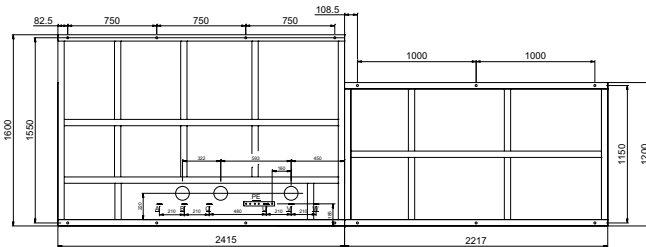
Technical data for output voltage 6.0 kV	
ATV1200	A2910-6060●●●
Nominal data	
Type rating [kVA]	
	2910
Motor power [kW]	
	2433
Continuous output current [A]	
With 120 % overload	280
With 150 % overload	224
Max. output current [A]	
1 min/10 min	336
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 97 <i>(incl. fan power)</i>
High efficiency	≤ 85 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	43200
High efficiency	43200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7800
High efficiency	9000
Dimension[mm] W*D*H	
Standard efficiency	4660x1600x2820
High efficiency	4960x1700x2820
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A2910-6060●●S

Front view



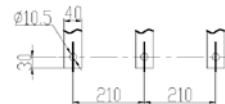
Footprint



Cable connection

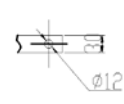
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



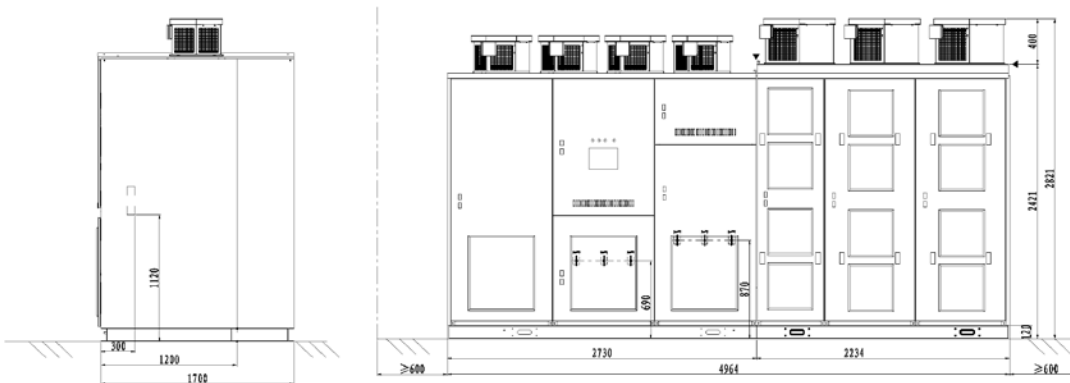
Earthing Busbar

PE
(Cu 3x30)

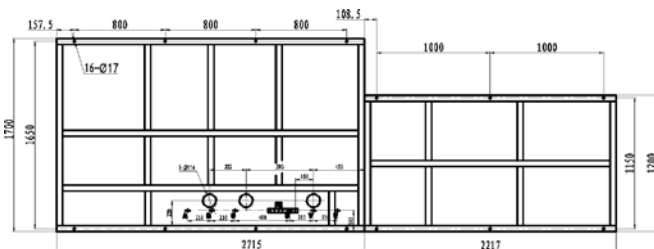


ATV1200-A2910-6060●●H

Front view



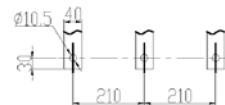
Footprint



Cable connection

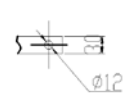
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV		
ATV1200	A3130–6060●●●	A3325–6060●●●
Nominal data		
Type rating [kVA]		
	3130	3325
Motor power [kW]		
	2617	2780
Continuous output current [A]		
With 120 % overload	301	320
With 150 % overload	241	256
Max. output current [A]		
1 min/10 min	361	384
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 105 <i>(incl. fan power)</i>	≤ 111 <i>(incl. fan power)</i>
High efficiency	≤ 92 <i>(incl. fan power)</i>	≤ 97 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	29700	29700
High efficiency	29700	29700
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	8100	10000
High efficiency	9200	10800
Dimension[mm] W*D*H		
Standard efficiency	5770x1600x2670	5770x1600x2670
High efficiency	6070x1700x2670	6070x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

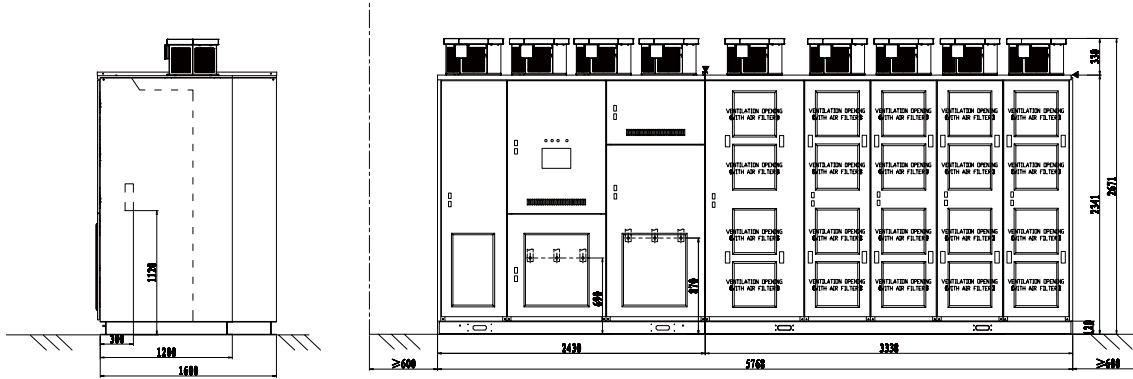
Altivar 1200

Medium Voltage Drive Systems

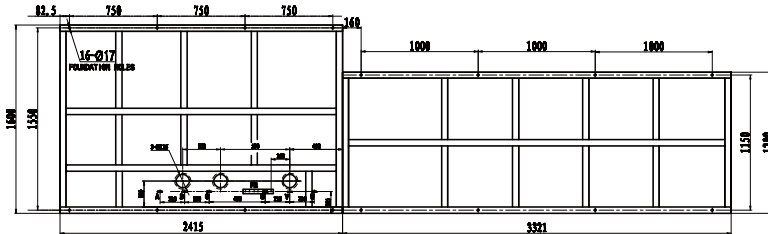
Output voltage 6.0 kV

ATV1200-A3130-6060●●S ... A3325-6060●●S

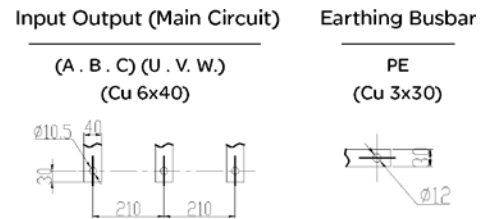
Front view



Footprint

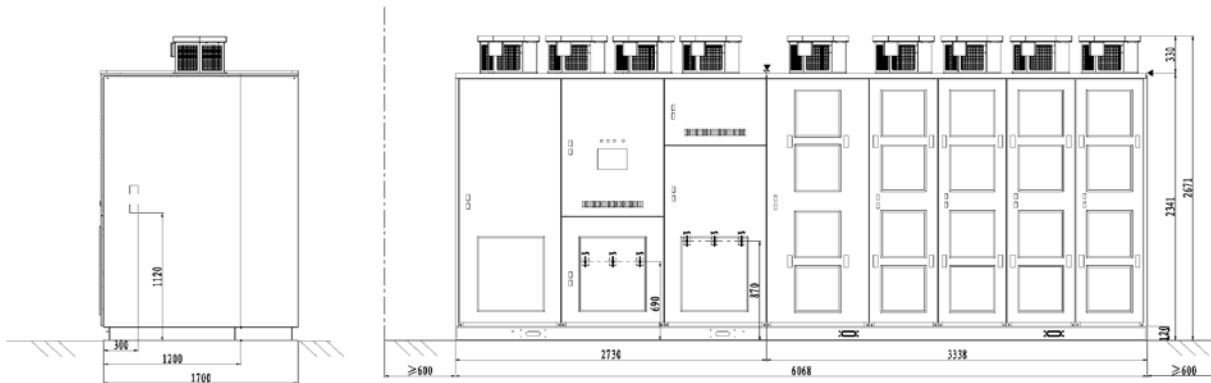


Cable connection

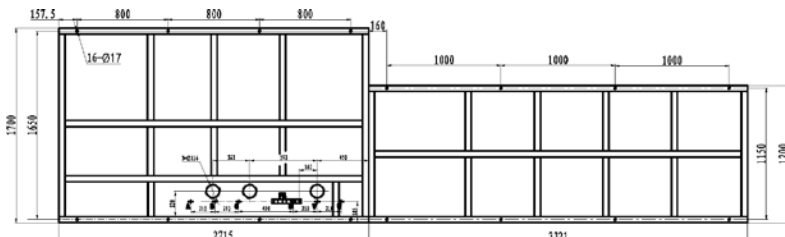


ATV1200-A3130-6060●●H ... A3325-6060●●H

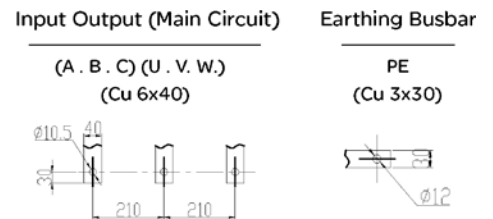
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A3500-6060●●●
Nominal data	
Type rating [kVA]	
	3500
Motor power [kW]	
	2926
Continuous output current [A]	
With 120 % overload	337
With 150 % overload	269
Max. output current [A]	
1 min/10 min	404
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 117 <i>(incl. fan power)</i>
High efficiency	≤ 102 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29700
High efficiency	29700
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	10300
High efficiency	11000
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2670
High efficiency	6070x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

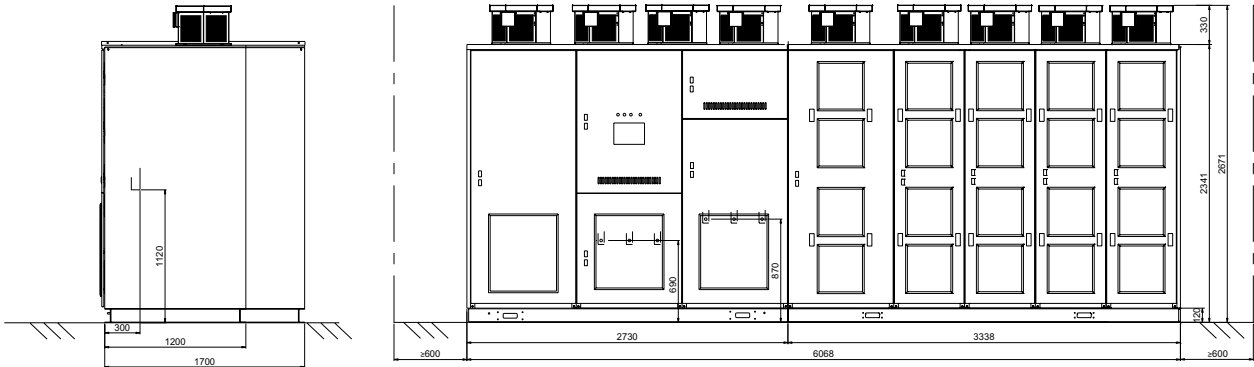
Altivar 1200

Medium Voltage Drive Systems

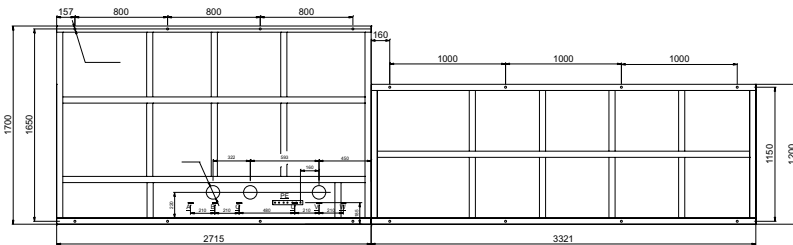
Output voltage 6.0 kV

ATV1200-A3500-6060●●S

Front view



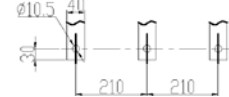
Footprint



Cable connection

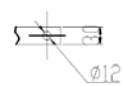
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



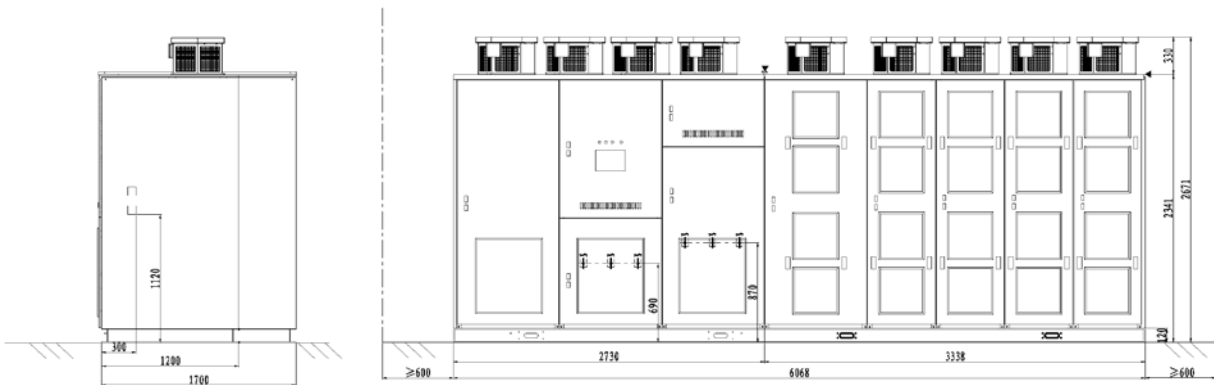
Earthing Busbar

PE
(Cu 3x30)

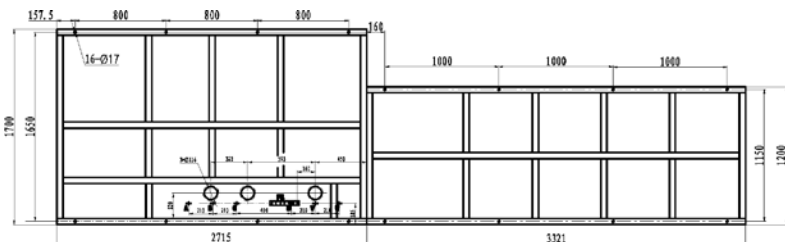


ATV1200-A3500-6060●●H

Front view



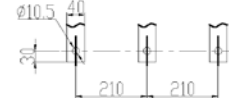
Footprint



Cable connection

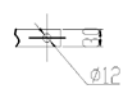
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

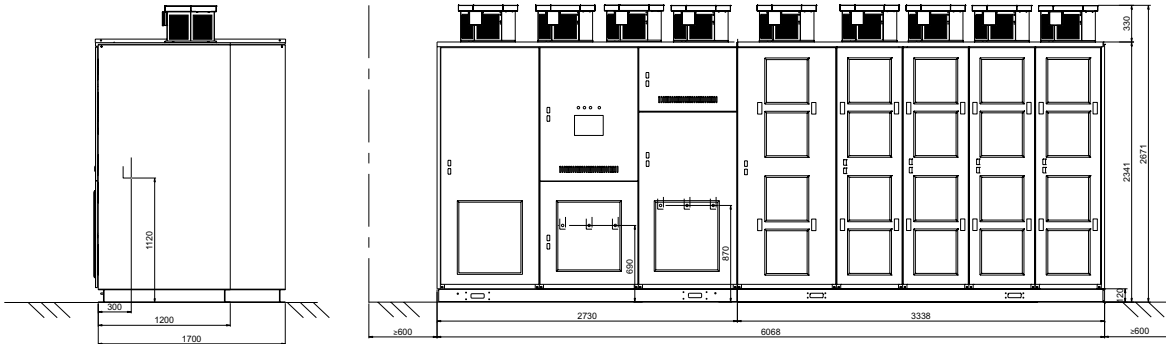
Technical data for output voltage 6.0 kV	
ATV1200	A3940-6060●●●
Nominal data	
Type rating [kVA]	
	3940
Motor power [kW]	
	3294
Continuous output current [A]	
With 120 % overload	379
With 150 % overload	303
Max. output current [A]	
1 min/10 min	455
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 132 <i>(incl. fan power)</i>
High efficiency	≤ 115 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29700
High efficiency	29700
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	10900
High efficiency	11600
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2670
High efficiency	6070x1700x2970
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

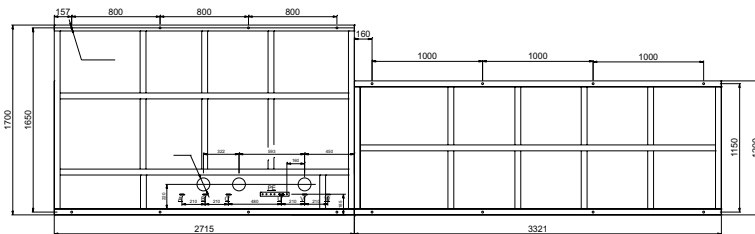
Medium Voltage Drive Systems
Output voltage 6.0 kV

ATV1200-A3940-6060●●S

Front view



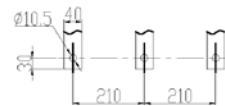
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



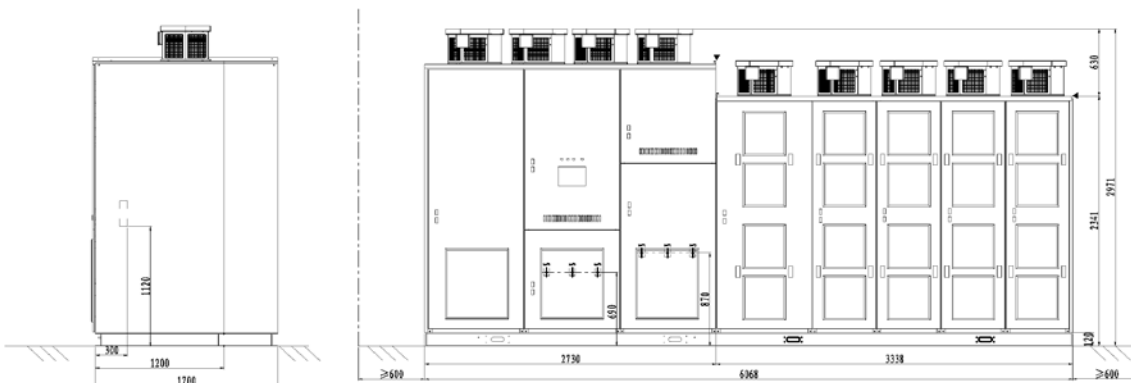
Earthing Busbar

PE
(Cu 3x30)

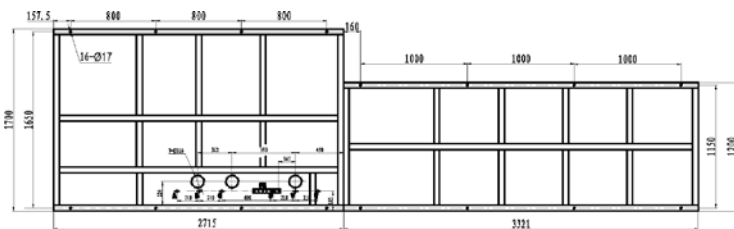


ATV1200-A3940-6060●●H

Front view



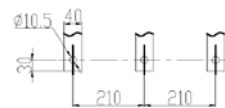
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.0 kV

Technical data for output voltage 6.0 kV		
ATV1200	A4260–6060●●●	A4470–6060●●●
Nominal data		
Type rating [kVA]		
	4260	4470
Motor power [kW]		
	3561	3737
Continuous output current [A]		
With 120 % overload	410	430
With 150 % overload	328	344
Max. output current [A]		
1 min/10 min	492	516
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 142 <i>(incl. fan power)</i>	≤ 149 <i>(incl. fan power)</i>
High efficiency	≤ 125 <i>(incl. fan power)</i>	≤ 131 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	46500	46500
High efficiency	46500	46500
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	11100	11300
High efficiency	12200	12400
Dimension[mm] W*D*H		
Standard efficiency	6070x1700x2740	6070x1700x2740
High efficiency	6370x1800x3040	6370x1800x3040
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

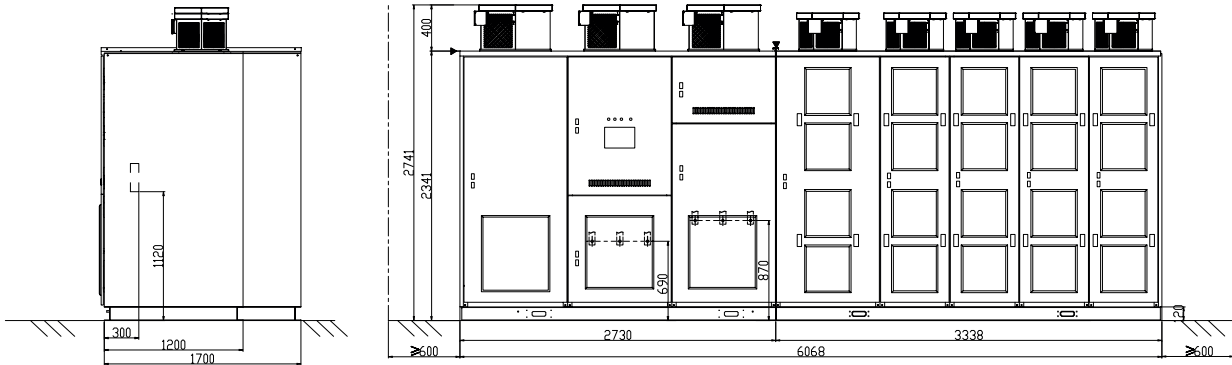
Altivar 1200

Medium Voltage Drive Systems

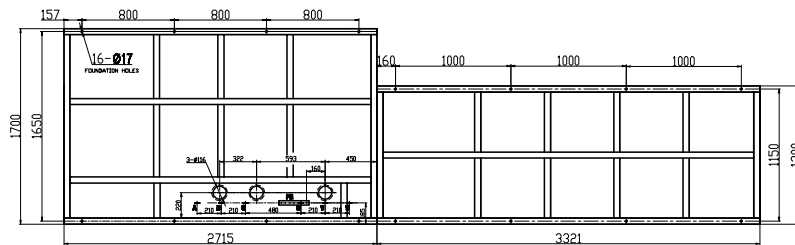
Output voltage 6.0 kV

ATV1200-A4260-6060●●S ... A4470-6060●●S

Front view



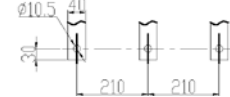
Footprint



Cable connection

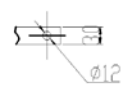
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



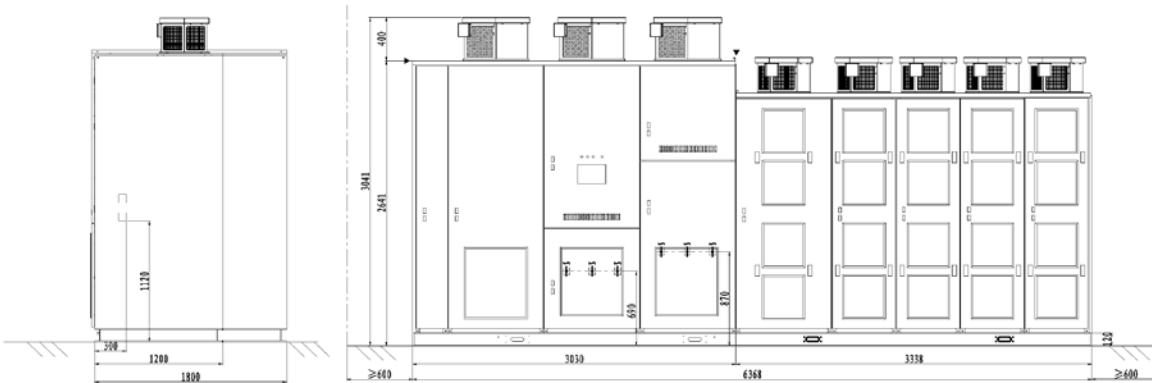
Earthing Busbar

PE
(Cu 3x30)

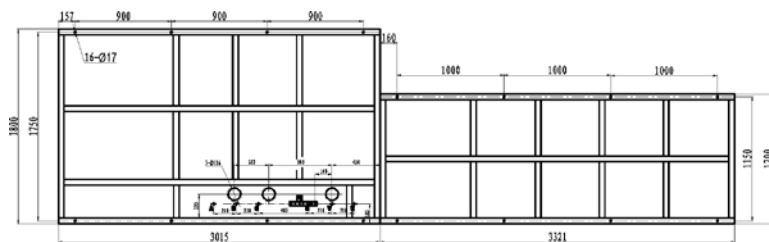


ATV1200-A4260-6060●●H ... A4470-6060●●H

Front view



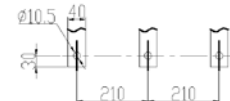
Footprint



Cable connection

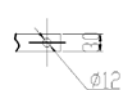
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A5100-6060●●●
Nominal data	
Type rating [kVA]	
	5100
Motor power [kW]	
	4264
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 171 <i>(incl. fan power)</i>
High efficiency	≤ 149 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	70000
High efficiency	70000
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	12500
High efficiency	13100
Dimension[mm] W*D*H	
Standard efficiency	6070x1700x2820
High efficiency	6370x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

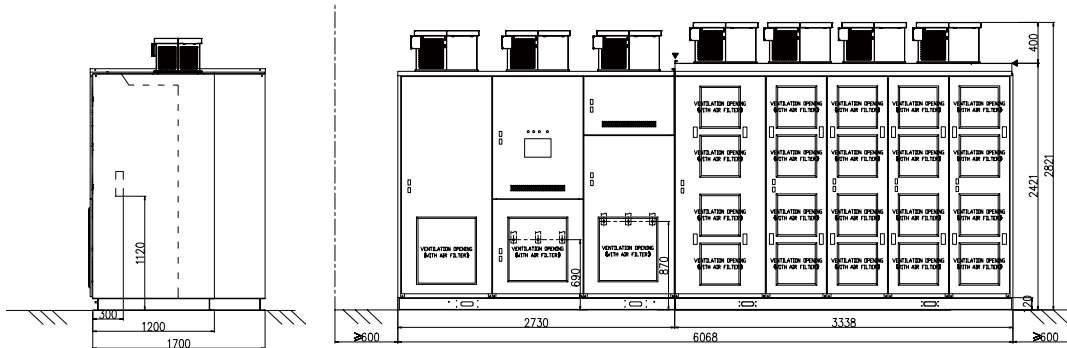
Altivar 1200

Medium Voltage Drive Systems

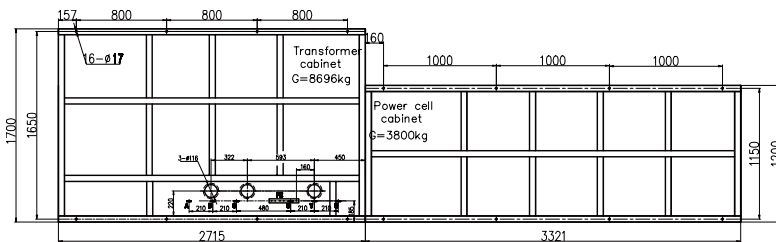
Output voltage 6.0 kV

ATV1200-A5100-6060●●S

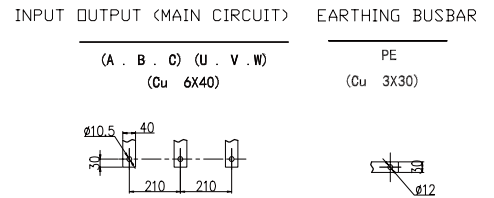
Front view



Footprint

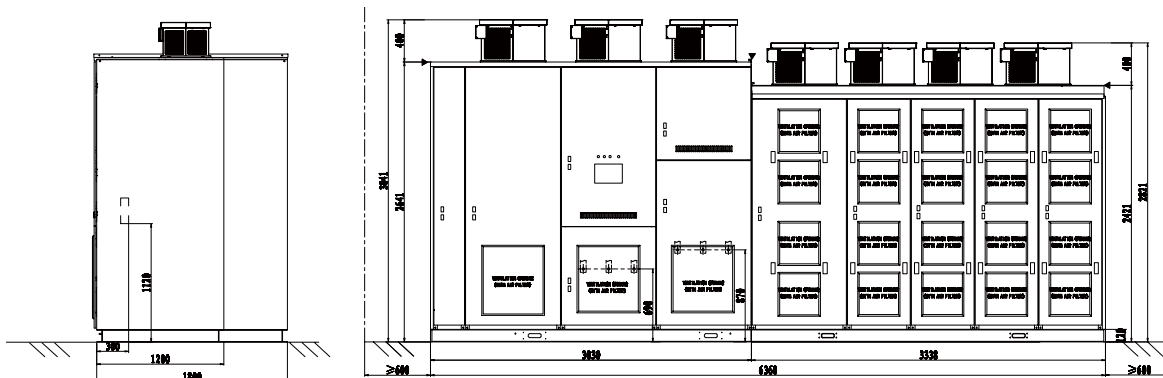


Cable connection

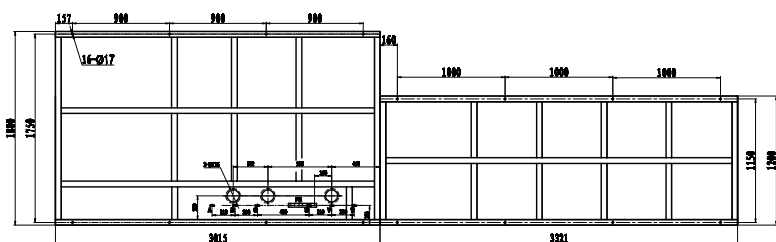


ATV1200-A5100-6060●●H

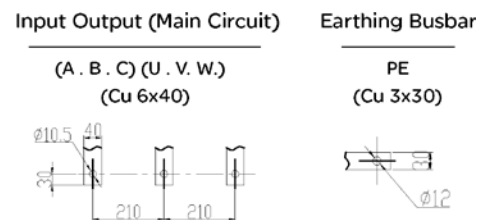
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV		
ATV1200	A5720–6060●●●	A6350–6060●●●
Nominal data		
Type rating [kVA]		
	5720	6350
Motor power [kW]		
	4782	5309
Continuous output current [A]		
With 120 % overload	550	611
With 150 % overload	440	489
Max. output current [A]		
1 min/10 min	661	733
Power cells		
Number of cells per phase		
	5	5
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 186 <i>(incl. fan power)</i>	≤ 207 <i>(incl. fan power)</i>
High efficiency	≤ 167 <i>(incl. fan power)</i>	≤ 186 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	80000	80000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	15300	15600
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	7770x1800x3040	7770x1800x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

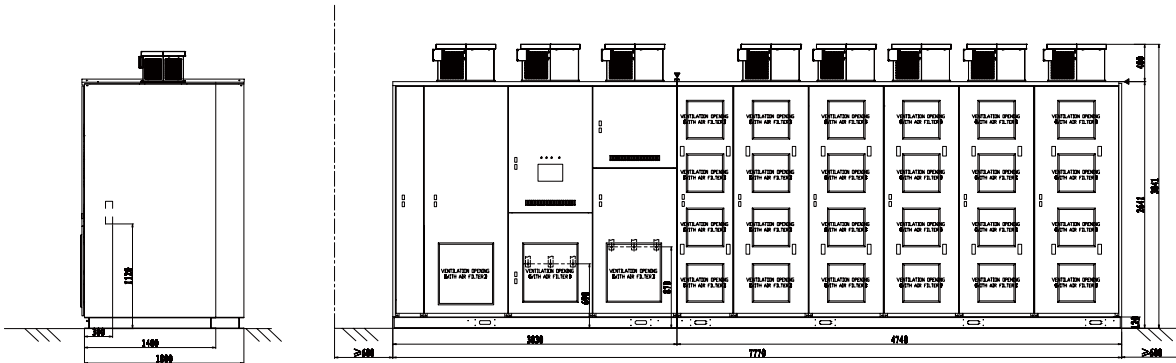
Altivar 1200

Medium Voltage Drive Systems

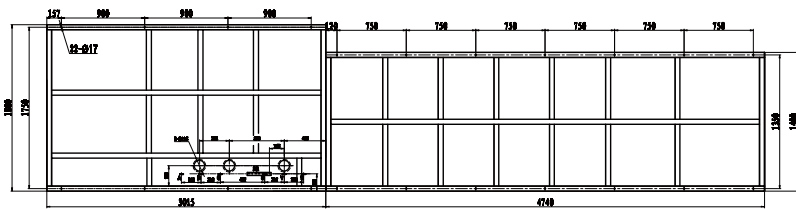
Output voltage 6.0 kV

ATV1200-A5720-6060●●S ... A6350-6060●●S

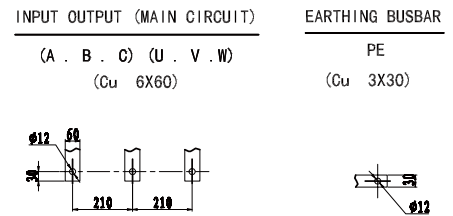
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.0 kV

Technical data for output voltage 6.0 kV	
ATV1200	A6860-6060●●●
Nominal data	
Type rating [kVA]	
	6860
Motor power [kW]	
	5735
Continuous output current [A]	
With 120 % overload	660
With 150 % overload	528
Max. output current [A]	
1 min/10 min	792
Power cells	
Number of cells per phase	
	5
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 218 <i>(incl. fan power)</i>
High efficiency	≤ 201 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	80000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	16500
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	8670x1600x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

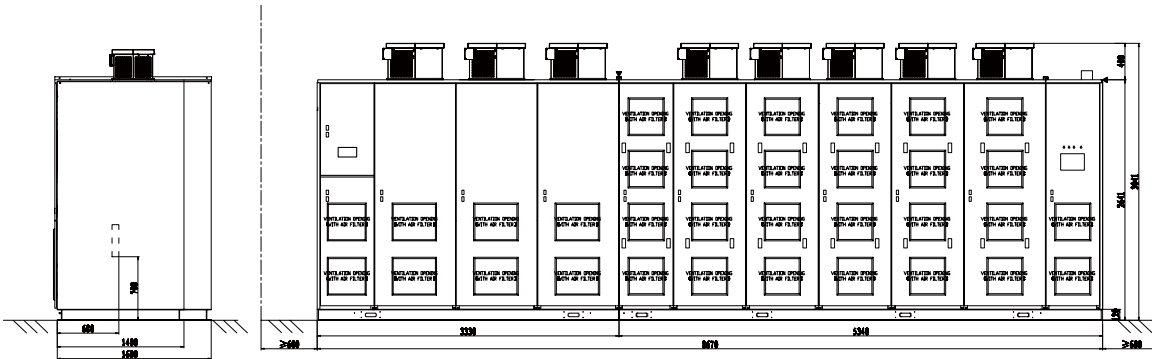
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.0 kV

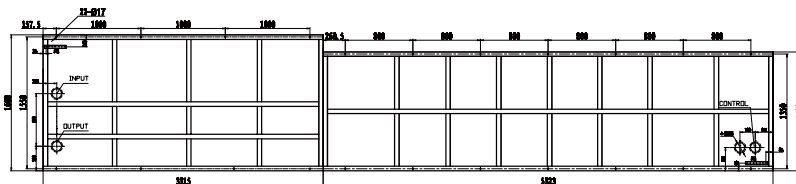
ATV1200-A6860-6060●●S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)

EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.0 kV

Technical data for output voltage 6.0 kV			
ATV1200	A7500-6060●●●	A8110-6060●●●	A8840-6060●●●
Nominal data			
Type rating [kVA]			
	7500	8110	8840
Motor power [kW]			
	6270	6780	7390
Continuous output current [A]			
With 120 % overload	720	780	850
With 150 % overload	576	624	1020
Max. output current [A]			
1 min/10 min	864	936	78
Power cells			
Number of cells per phase			
	5	5	5
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 232 <i>(incl. fan power)</i>	≤ 251 <i>(incl. fan power)</i>	≤ 273 <i>(incl. fan power)</i>
High efficiency	≤ 219 <i>(incl. fan power)</i>	≤ 237 <i>(incl. fan power)</i>	≤ 259 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	90000	90000	90000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	18400	19900	20300
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	8970x1700x3040	8970x1700x3040	8970x1700x3040
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

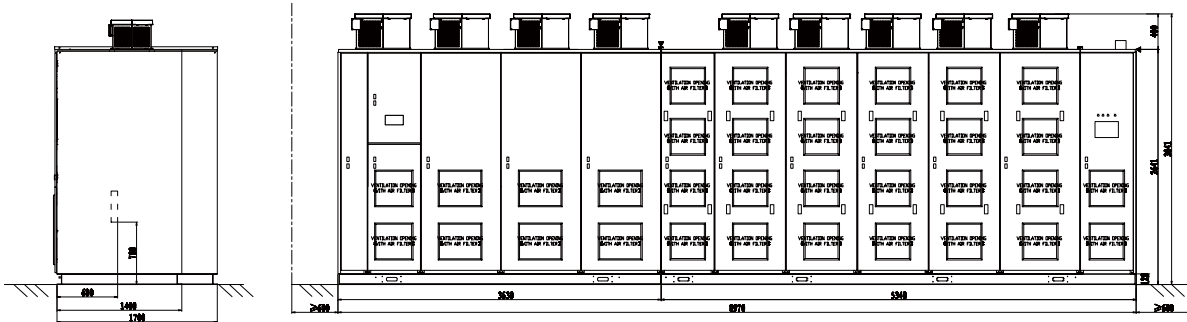
Altivar 1200

Medium Voltage Drive Systems

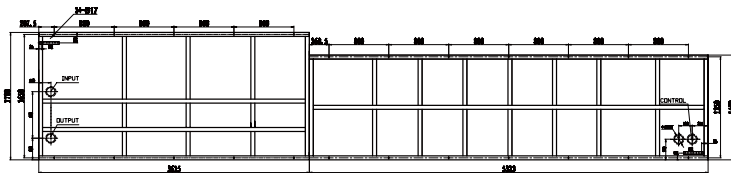
Output voltage 6.0 kV

ATV1200-A7500-6060...S ... A8840-6060...S

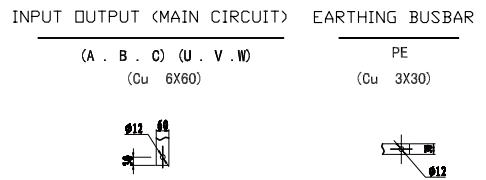
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A450–6363●●●	A530–6363●●●
Nominal data		
Type rating [kVA]		
	450	530
Motor power [kW]		
	376	443
Continuous output current [A]		
With 120 % overload	41	49
With 150 % overload	33	39
Max. output current [A]		
1 min/10 min	49	59
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 15 <i>(incl. fan power)</i>	≤ 18 <i>(incl. fan power)</i>
High efficiency	≤ 13 <i>(incl. fan power)</i>	≤ 16 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	13200	13200
High efficiency	16500	16500
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	3100	3300
High efficiency	4000	4200
Dimension[mm] W*D*H		
Standard efficiency	3060x1400x2520	3060x1400x2520
High efficiency	3360x1500x2670	3360x1500x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

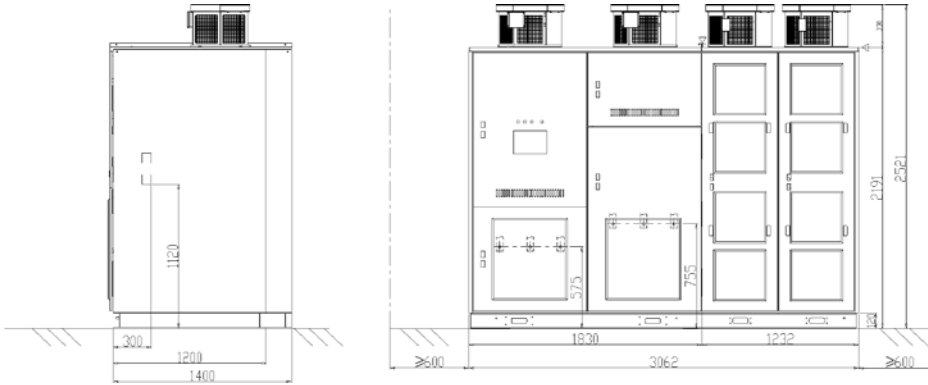
Altivar 1200

Medium Voltage Drive Systems

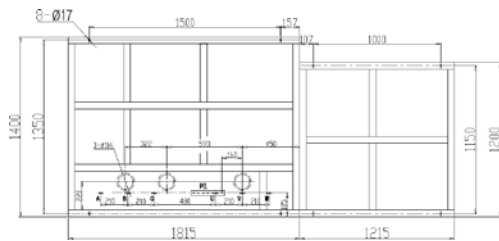
Output voltage 6.3 kV

ATV1200-A450-6363●●S ... A530-6363●●S

Front view



Footprint



Cable connection

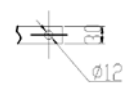
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



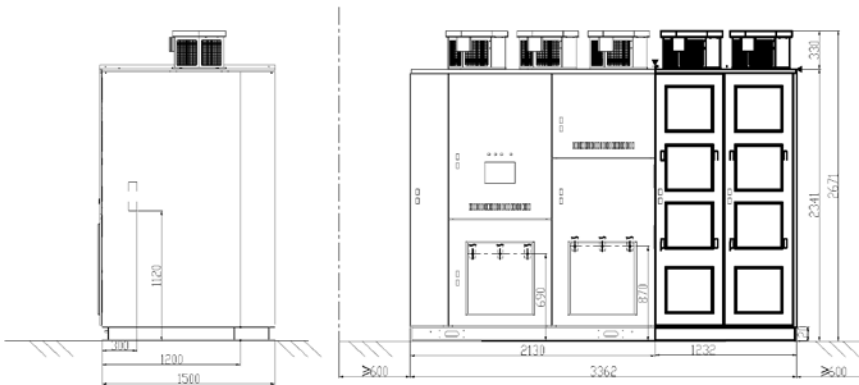
Earthing Busbar

PE
(Cu 3x30)

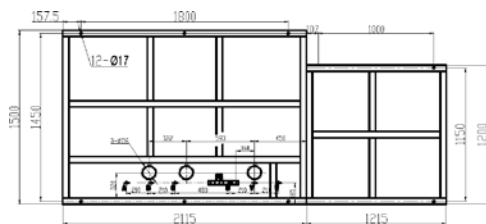


ATV1200-A450-6363●●H ... A530-6363●●H

Front view



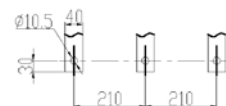
Footprint



Cable connection

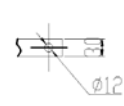
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

Technical data for output voltage 6.3 kV			
ATV1200	A720–6363●●●	A820–6363●●●	A900–6363●●●
Nominal data			
Type rating [kVA]			
	720	820	900
Motor power [kW]			
	602	686	752
Continuous output current [A]			
With 120 % overload	66	75	82
With 150 % overload	52	60	66
Max. output current [A]			
1 min/10 min	79	90	98
Power cells			
Number of cells per phase			
	6	6	6
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 24 <i>(incl. fan power)</i>	≤ 27 <i>(incl. fan power)</i>	≤ 30 <i>(incl. fan power)</i>
High efficiency	≤ 21 <i>(incl. fan power)</i>	≤ 24 <i>(incl. fan power)</i>	≤ 26 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	13200	13200	13200
High efficiency	19800	19800	19800
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	3500	3600	3800
High efficiency	4500	4600	4800
Dimension[mm] W*D*H			
Standard efficiency	3060x1400x2520	3060x1400x2520	3060x1400x2520
High efficiency	3660x1500x2670	3660x1500x2670	3660x1500x2670
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

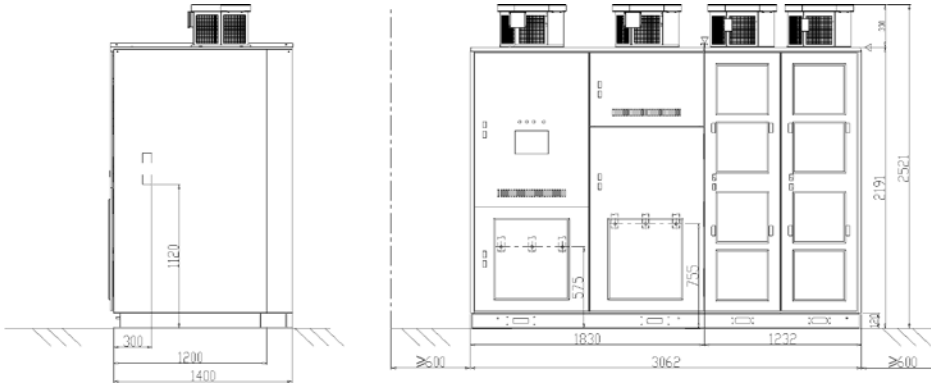
Altivar 1200

Medium Voltage Drive Systems

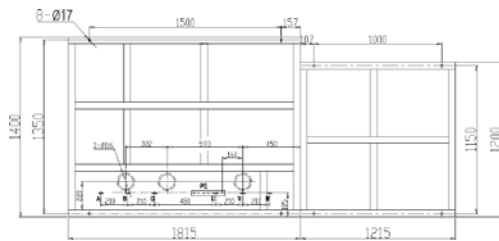
Output voltage 6.3 kV

ATV1200-A720-6363●●S ... A900-6363●●S

Front view



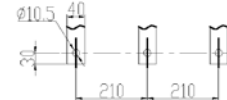
Footprint



Cable connection

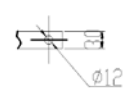
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



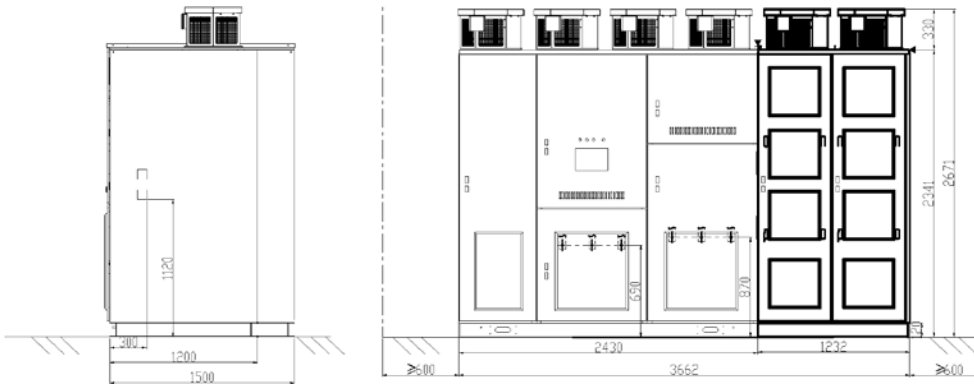
Earthing Busbar

PE
(Cu 3x30)

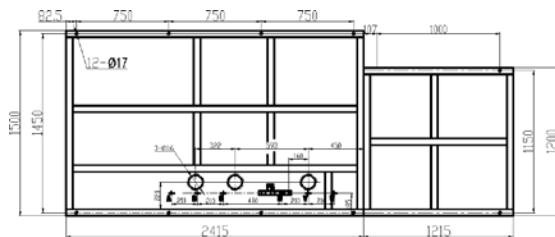


ATV1200-A720-6363●●H ... A900-6363●●H

Front view



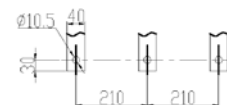
Footprint



Cable connection

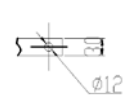
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A1020-6363●●●	A1100-6363●●●
Nominal data		
Type rating [kVA]		
	1020	1100
Motor power [kW]		
	853	920
Continuous output current [A]		
With 120 % overload	94	100
With 150 % overload	75	80
Max. output current [A]		
1 min/10 min	112	120
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 34 <i>(incl. fan power)</i>	≤ 37 <i>(incl. fan power)</i>
High efficiency	≤ 30 <i>(incl. fan power)</i>	≤ 32 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	4100	4200
High efficiency	5100	5200
Dimension[mm] W*D*H		
Standard efficiency	3360x1400x2520	3360x1400x2520
High efficiency	3660x1600x2670	3660x1600x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

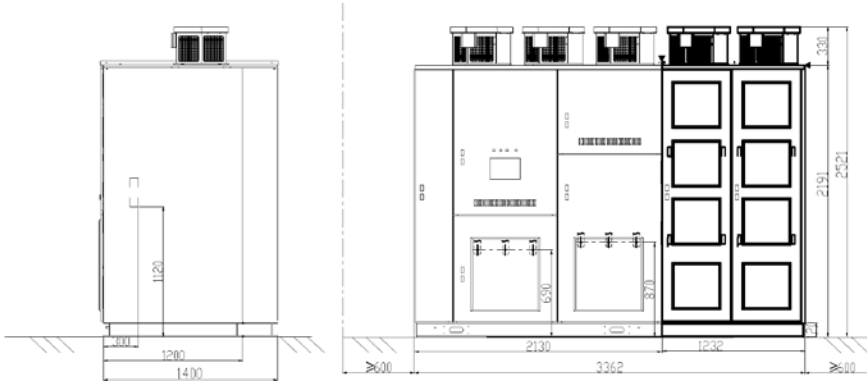
Altivar 1200

Medium Voltage Drive Systems

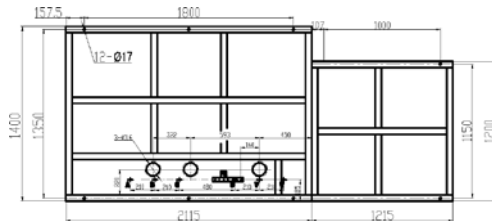
Output voltage 6.3 kV

ATV1200-A1020-6363●●S ... A1100-6363●●S

Front view



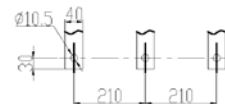
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



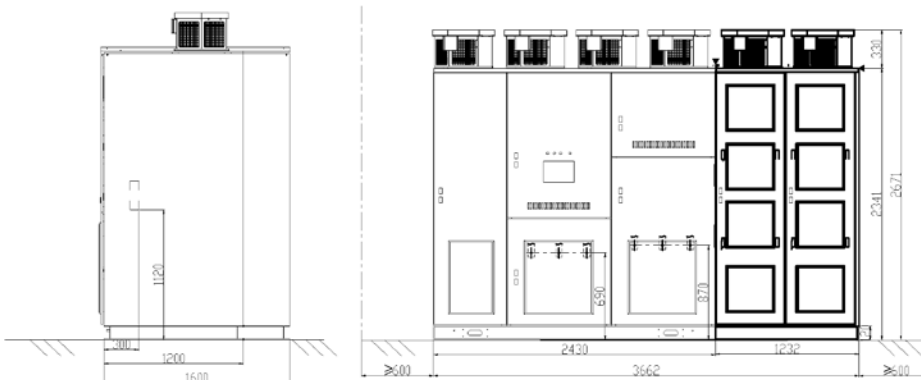
Earthing Busbar

PE
(Cu 3x30)

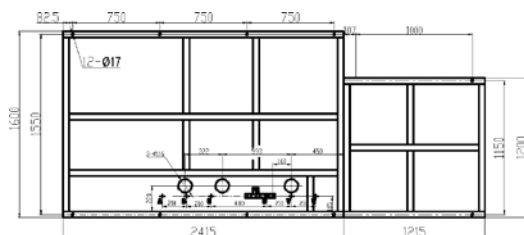


ATV1200-A1020-6363●●H ... A1100-6363●●H

Front view



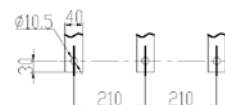
Footprint



Cable connection

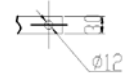
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A1190-6363●●●	A1480-6363●●●
Nominal data		
Type rating [kVA]		
	1190	1480
Motor power [kW]		
	995	1237
Continuous output current [A]		
With 120 % overload	109	135
With 150 % overload	87	108
Max. output current [A]		
1 min/10 min	131	162
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 15 <i>(incl. fan power)</i>	≤ 49 <i>(incl. fan power)</i>
High efficiency	≤ 13 <i>(incl. fan power)</i>	≤ 43 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	5000	5500
High efficiency	5900	6200
Dimension[mm] W*D*H		
Standard efficiency	3960x1500x2670	3960x1500x2670
High efficiency	4260x1600x2670	4260x1600x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

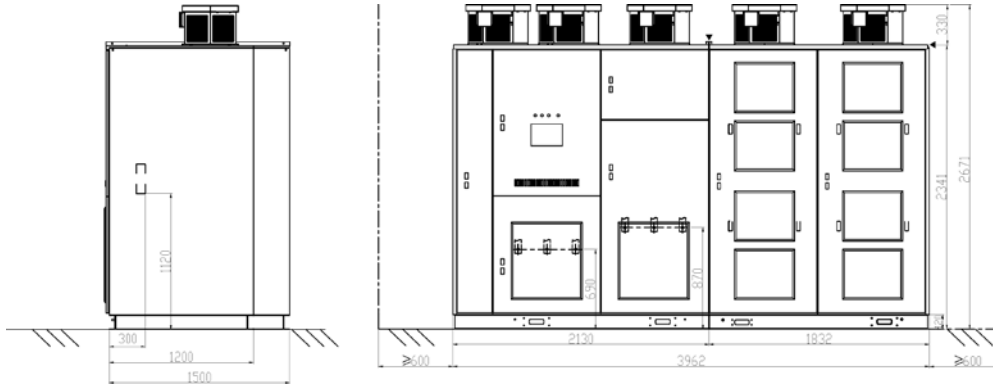
Altivar 1200

Medium Voltage Drive Systems

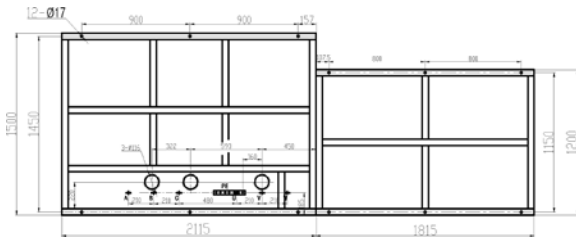
Output voltage 6.3 kV

ATV1200-A1190-6363●●S ... A1480-6363●●S

Front view



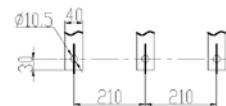
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



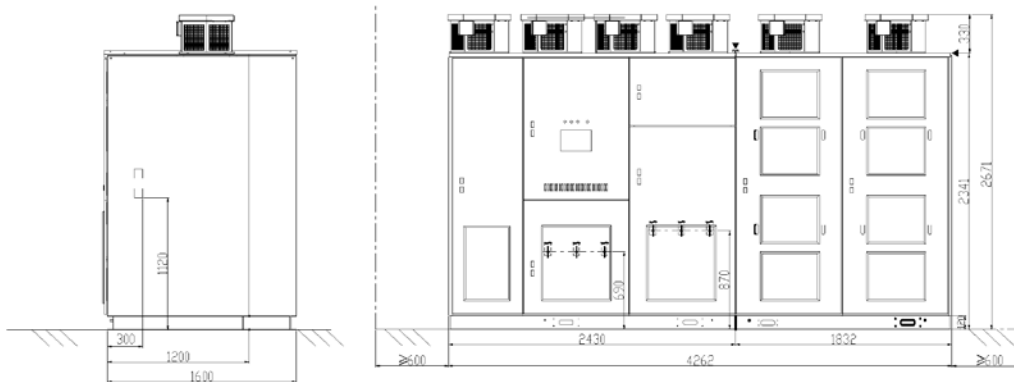
Earthing Busbar

PE
(Cu 3x30)

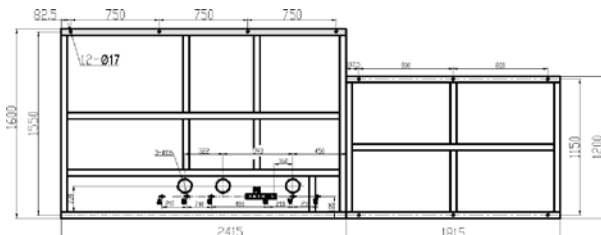


ATV1200-A1190-6363●●H ... A1480-6363●●H

Front view



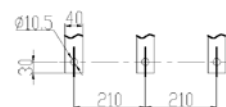
Footprint



Cable connection

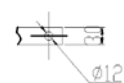
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV	
ATV1200	A1640-6363●●●
Nominal data	
Type rating [kVA]	
	1640
Motor power [kW]	
	1371
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 55 <i>(incl. fan power)</i>
High efficiency	≤ 48 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5800
High efficiency	6500
Dimension[mm] W*D*H	
Standard efficiency	3960x1500x2740
High efficiency	4260x1600x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

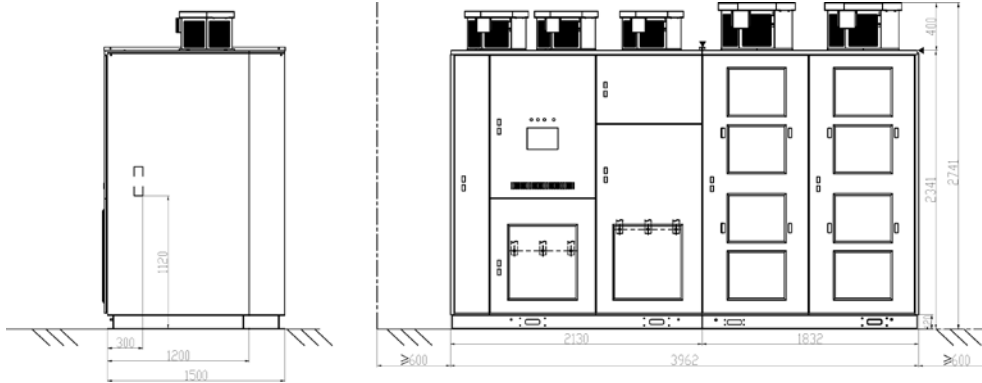
Altivar 1200

Medium Voltage Drive Systems

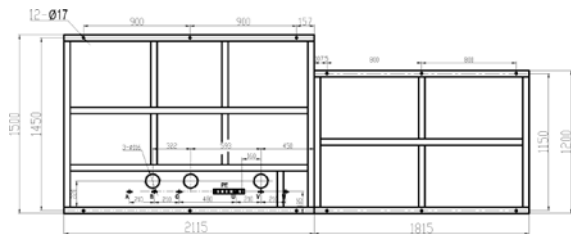
Output voltage 6.3 kV

ATV1200-A1640-6363●●S

Front view



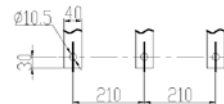
Footprint



Cable connection

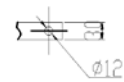
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



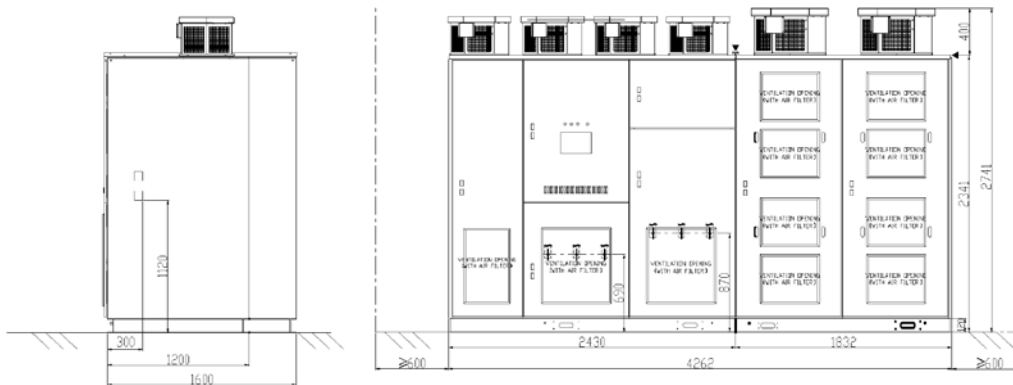
Earthing Busbar

PE
(Cu 3x30)

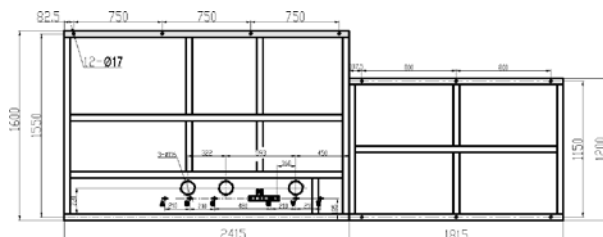


ATV1200-A1640-6363●●H

Front view



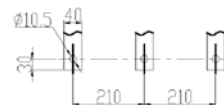
Footprint



Cable connection

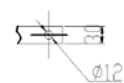
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

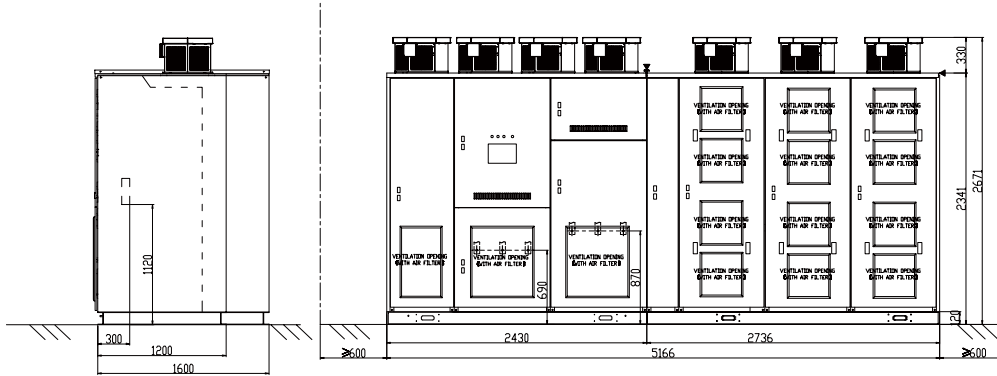
Technical data for output voltage 6.3 kV		
ATV1200	A1970–6363●●●	A2190–6363●●●
Nominal data		
Type rating [kVA]		
	1970	2190
Motor power [kW]		
	1647	1831
Continuous output current [A]		
With 120 % overload	180	200
With 150 % overload	144	160
Max. output current [A]		
1 min/10 min	216	240
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 66 <i>(incl. fan power)</i>	≤ 73 <i>(incl. fan power)</i>
High efficiency	≤ 58 <i>(incl. fan power)</i>	≤ 64 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	23100	23100
High efficiency	23100	23100
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	7200	7500
High efficiency	7900	8200
Dimension[mm] W*D*H		
Standard efficiency	5170x1600x2670	5170x1600x2670
High efficiency	5470x1700x2670	5470x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

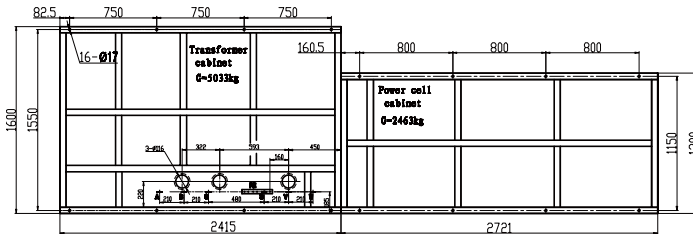
Medium Voltage Drive Systems
Output voltage 6.3 kV

ATV1200-A1970-6363●●S ... A2190-6363●●S

Front view



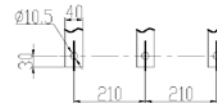
Footprint



Cable connection

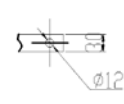
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



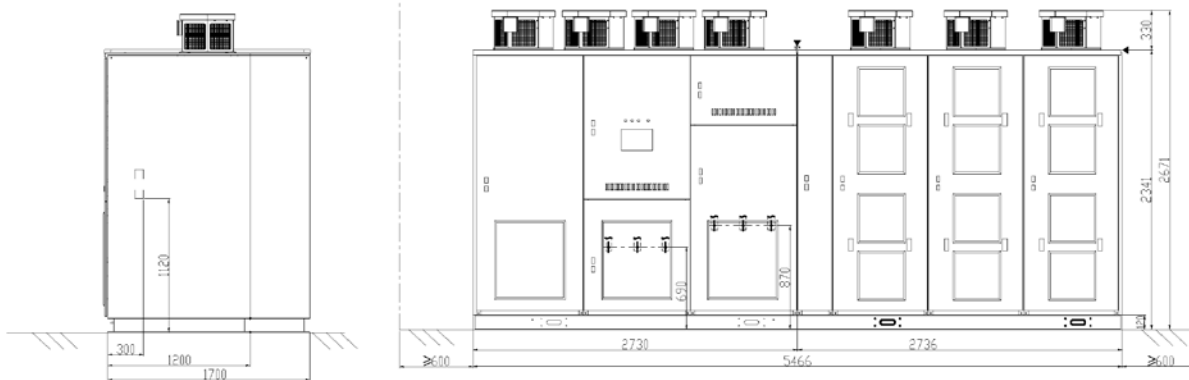
Earthing Busbar

PE
(Cu 3x30)

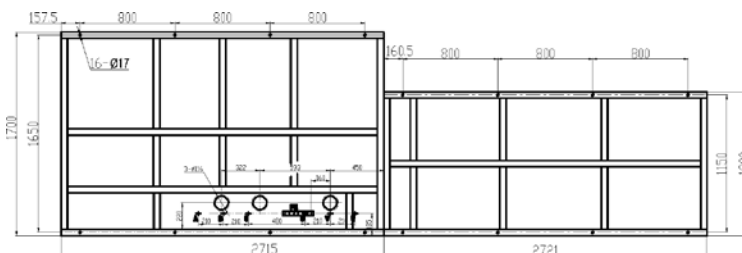


ATV1200-A1970-6363●●H ... A2190-6363●●H

Front view



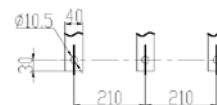
Footprint



Cable connection

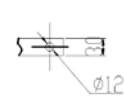
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

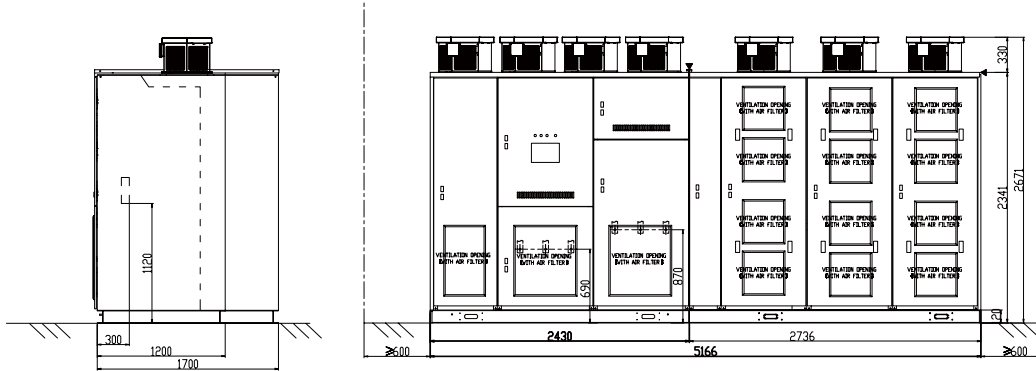
Technical data for output voltage 6.3 kV	
ATV1200	A2400-6363●●●
Nominal data	
Type rating [kVA]	
	2400
Motor power [kW]	
	2006
Continuous output current [A]	
With 120 % overload	220
With 150 % overload	176
Max. output current [A]	
1 min/10 min	264
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 80 <i>(incl. fan power)</i>
High efficiency	≤ 70 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	23100
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7800
High efficiency	8800
Dimension[mm] W*D*H	
Standard efficiency	5170x1700x2670
High efficiency	5470x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

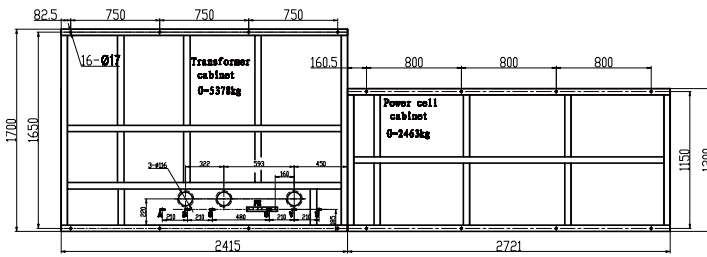
Medium Voltage Drive Systems
Output voltage 6.3 kV

ATV1200-A2400-6363●●S

Front view



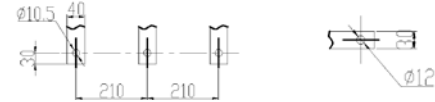
Footprint



Cable connection

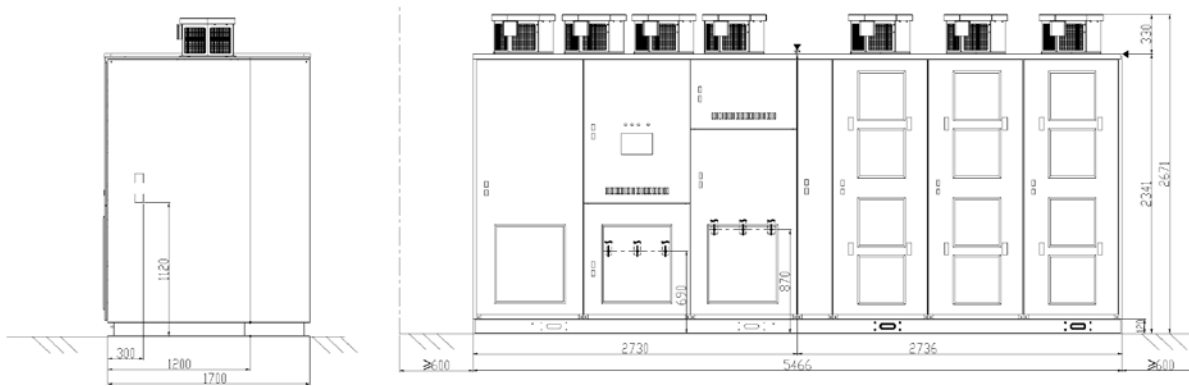
Input Output (Main Circuit)
(A . B . C) (U . V . W.)
(Cu 6x40)

Earthing Busbar
PE
(Cu 3x30)

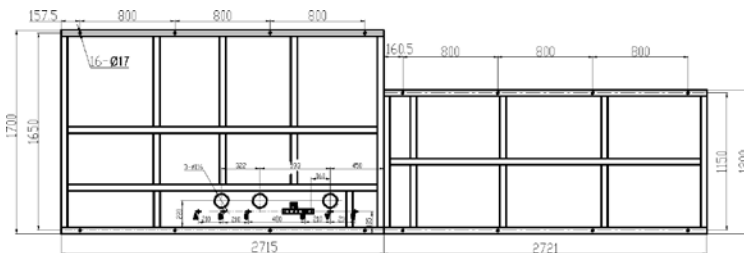


ATV1200-A2400-6363●●H

Front view



Footprint



Cable connection

Input Output (Main Circuit)
(A . B . C) (U . V . W.)
(Cu 6x40)

Earthing Busbar
PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A2670–6363●●●	A3050–6363●●●
Nominal data		
Type rating [kVA]		
	2670	3050
Motor power [kW]		
	2232	2550
Continuous output current [A]		
With 120 % overload	245	280
With 150 % overload	196	224
Max. output current [A]		
1 min/10 min	294	336
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 89 <i>(incl. fan power)</i>	≤ 102 <i>(incl. fan power)</i>
High efficiency	≤ 78 <i>(incl. fan power)</i>	≤ 89 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	43200	43200
High efficiency	43200	43200
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	8300	8700
High efficiency	9100	9600
Dimension[mm] W*D*H		
Standard efficiency	5170x1700x2740	5170x1700x2740
High efficiency	5470x1700x2740	5470x1700x2740
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

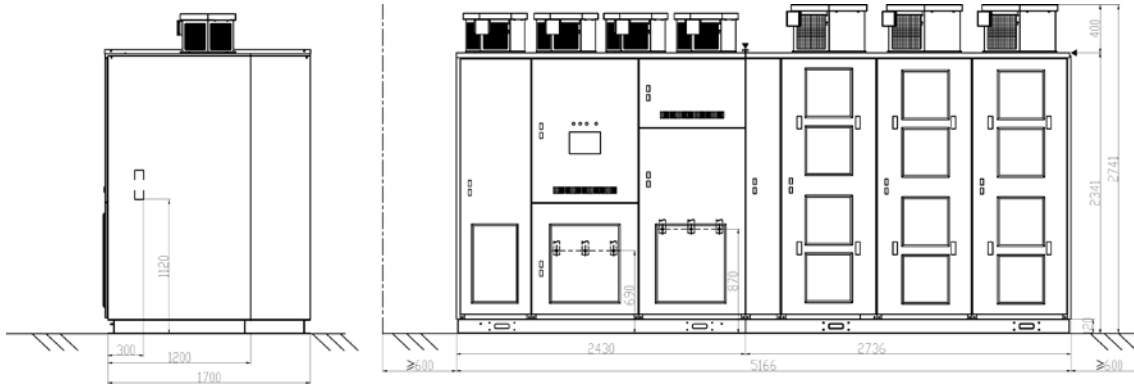
Altivar 1200

Medium Voltage Drive Systems

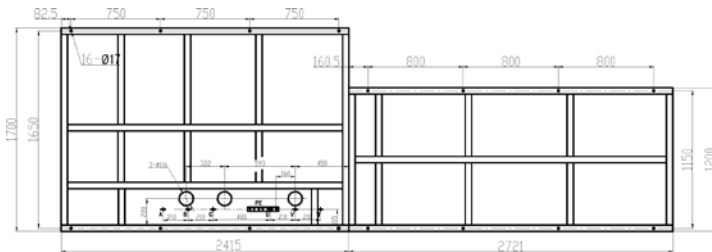
Output voltage 6.3 kV

ATV1200-A2670-6363●●S ... A3050-6363●●S

Front view



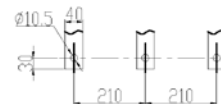
Footprint



Cable connection

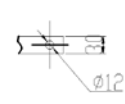
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



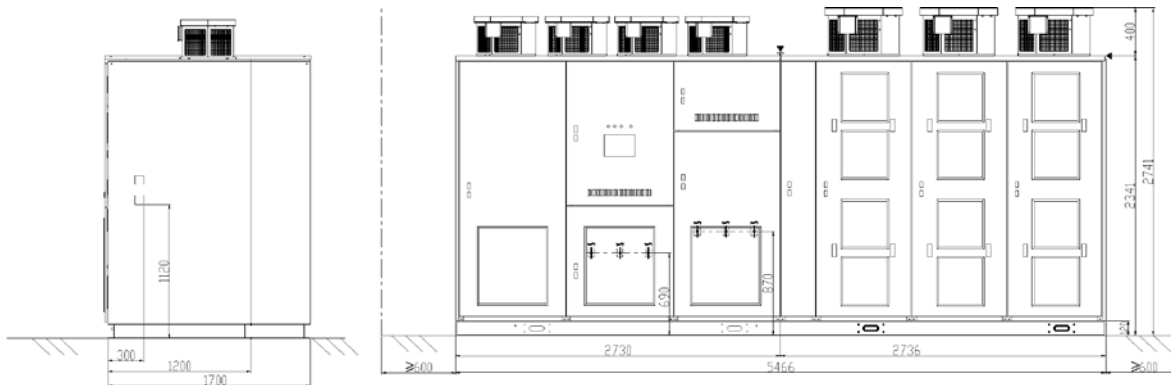
Earthing Busbar

PE
(Cu 3x30)

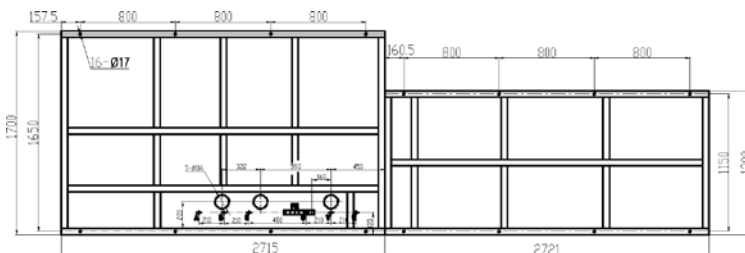


ATV1200-A2670-6363●●H ... A3050-6363●●H

Front view



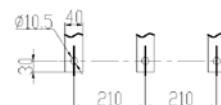
Footprint



Cable connection

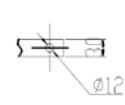
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A3490–6363●●●	A3050–6363●●●
Nominal data		
Type rating [kVA]		
	3490	3760
Motor power [kW]		
	2918	3143
Continuous output current [A]		
With 120 % overload	320	345
With 150 % overload	456	276
Max. output current [A]		
1 min/10 min	384	414
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 117 <i>(incl. fan power)</i>	≤ 126 <i>(incl. fan power)</i>
High efficiency	≤ 102 <i>(incl. fan power)</i>	≤ 110 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	33000	33000
High efficiency	33000	33000
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	11200	11800
High efficiency	11800	12400
Dimension[mm] W*D*H		
Standard efficiency	6670x1700x2670	6670x1700x2670
High efficiency	6670x1700x2970	6670x1700x2970
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

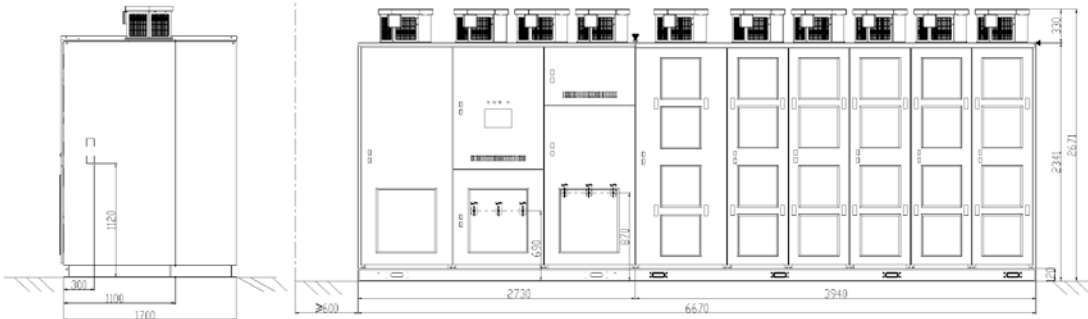
Altivar 1200

Medium Voltage Drive Systems

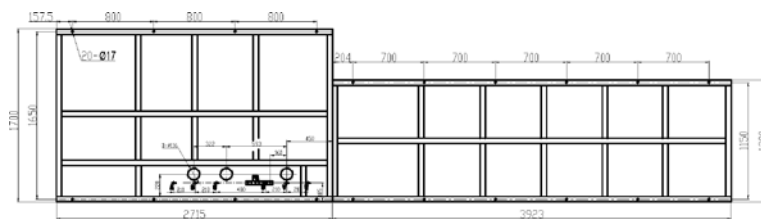
Output voltage 6.3 kV

ATV1200-A3490-6363●●S ... A3760-6363●●S

Front view



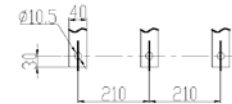
Footprint



Cable connection

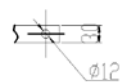
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



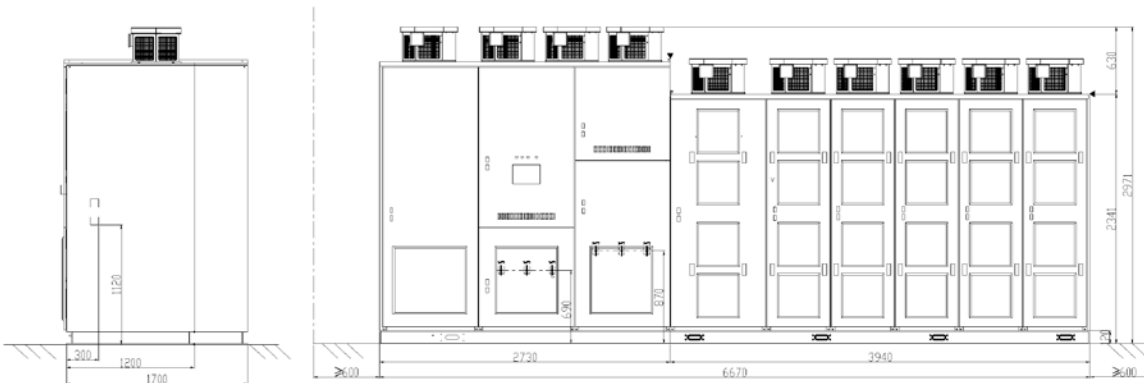
Earthing Busbar

PE
(Cu 3x30)

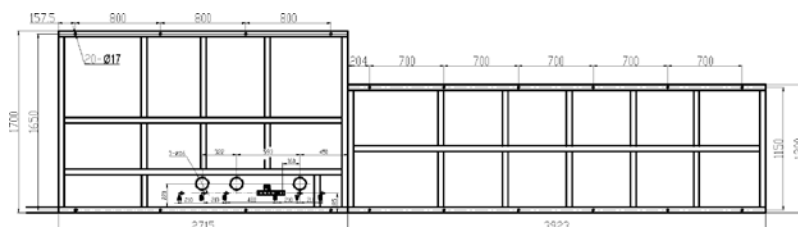


ATV1200-A3490-6363●●H ... A3760-6363●●H

Front view



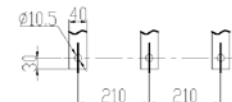
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV

ATV1200	A4240-6363●●●
---------	---------------

Nominal data

Type rating [kVA]

4240

Motor power [kW]

3545

Continuous output current [A]

With 120 % overload	388
With 150 % overload	311

Max. output current [A]

1 min/10 min	466
--------------	-----

Power cells

Number of cells per phase

6

Characteristics

Efficiency (incl. transformer) [%]

Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>

Total losses at 100% load [kW]

Standard efficiency	≤ 142 <i>(incl. fan power)</i>
High efficiency	≤ 124 <i>(incl. fan power)</i>

Air flow [m³/h]

Standard efficiency	49800
High efficiency	49800

Sound pressure level [dB(A)]

≤ 80

Weight [kg]

Standard efficiency	12400
High efficiency	13100

Dimension[mm] W*D*H

Standard efficiency	6670x1700x2740
High efficiency	6970x1800x3040

Connection

Incoming cable

Type	standard symmetrical
Max. size	see drawing

Motor cable

Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

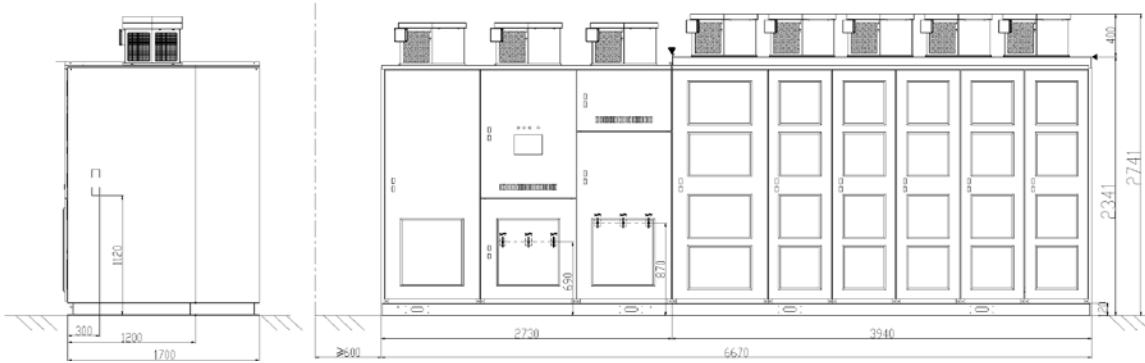
Altivar 1200

Medium Voltage Drive Systems

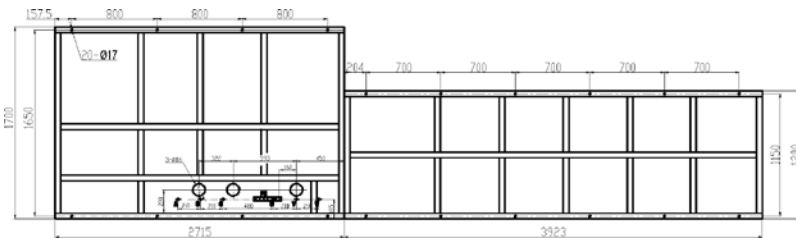
Output voltage 6.3 kV

ATV1200-A4240-6363●●S

Front view



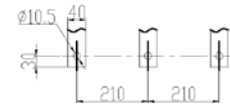
Footprint



Cable connection

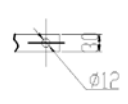
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



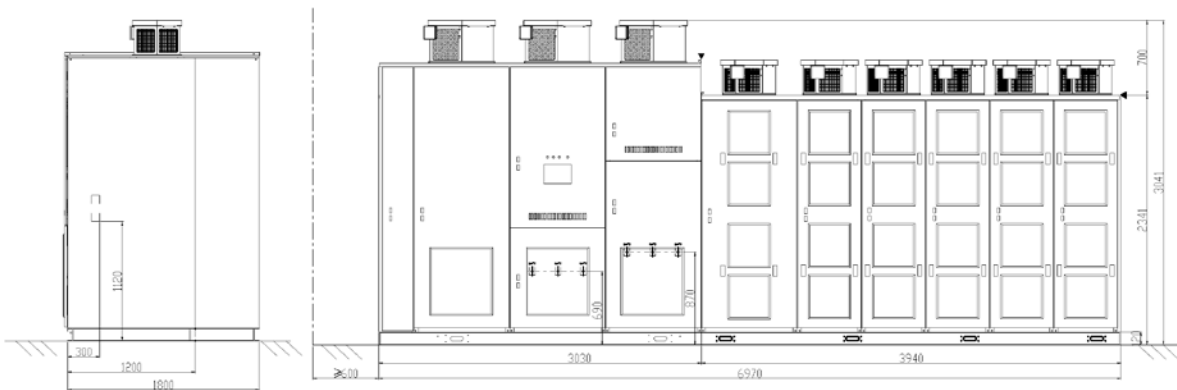
Earthing Busbar

PE
(Cu 3x30)

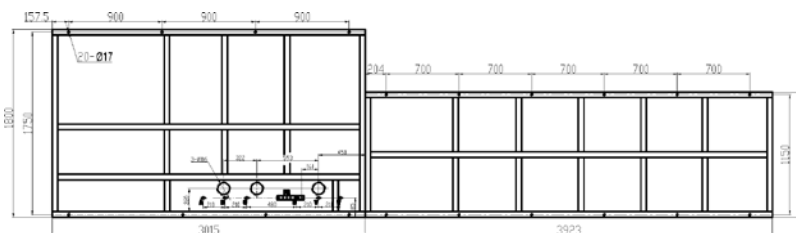


ATV1200-A4240-6363●●H

Front view



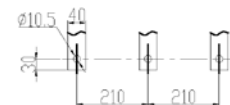
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV	
ATV1200	A4470-6363●●●
Nominal data	
Type rating [kVA]	
	4770
Motor power [kW]	
	3988
Continuous output current [A]	
With 120 % overload	437
With 150 % overload	350
Max. output current [A]	
1 min/10 min	525
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 160 <i>(incl. fan power)</i>
High efficiency	≤ 140 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	49800
High efficiency	49800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	13300
High efficiency	13600
Dimension[mm] W*D*H	
Standard efficiency	6670x1700x2740
High efficiency	6970x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

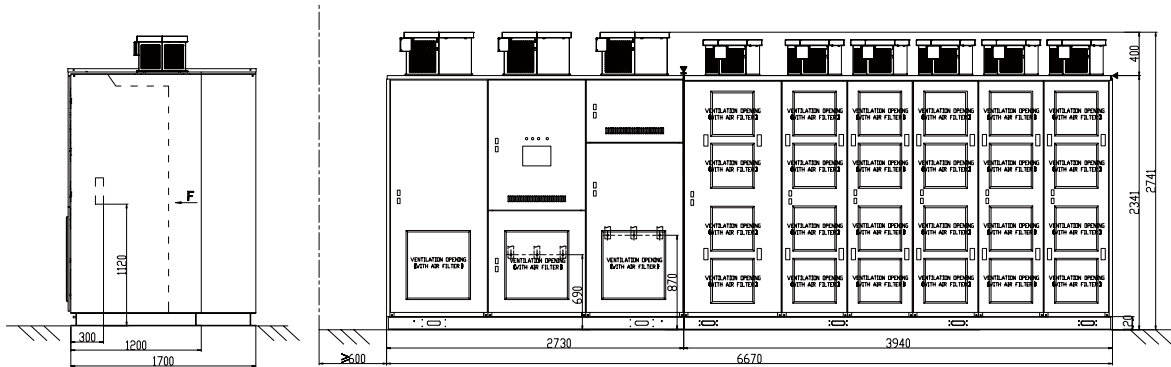
Altivar 1200

Medium Voltage Drive Systems

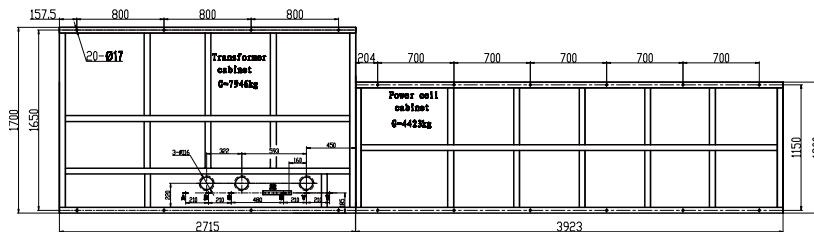
Output voltage 6.3 kV

ATV1200-A4470-6363●●S

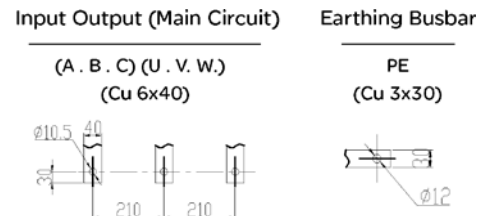
Front view



Footprint

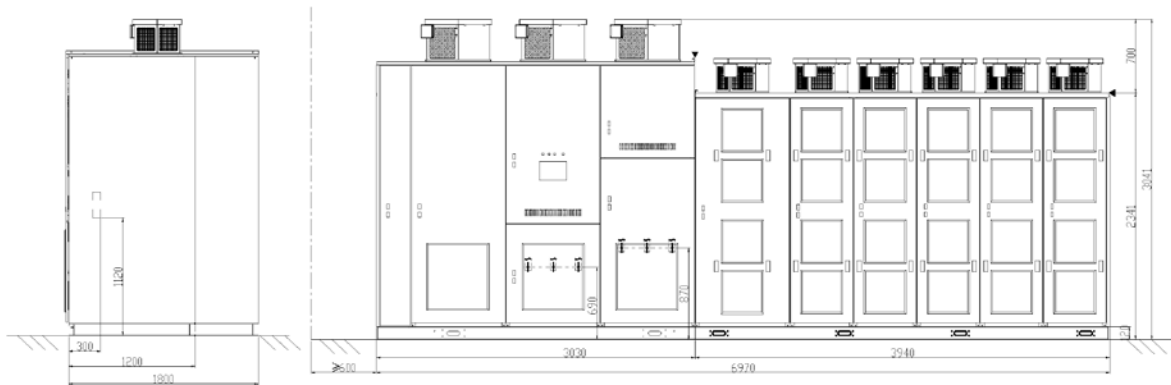


Cable connection

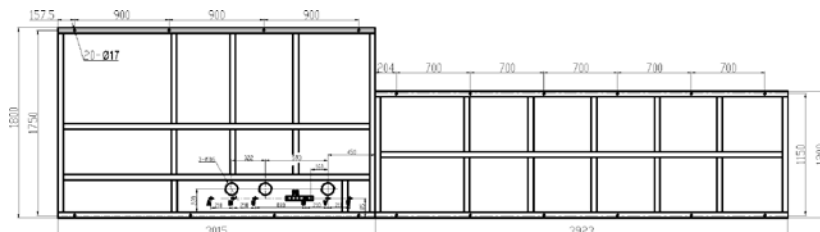


ATV1200-A4470-6363●●H

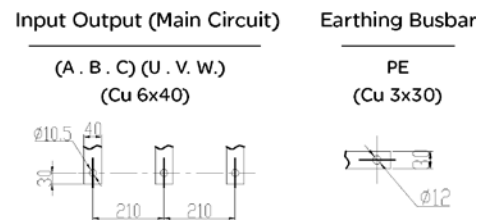
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV	
ATV1200	A5350-6363●●●
Nominal data	
Type rating [kVA]	
	5350
Motor power [kW]	
	4473
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 174 <i>(incl. fan power)</i>
High efficiency	≤ 157 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	80000
High efficiency	80000
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	13800
High efficiency	14000
Dimension[mm] W*D*H	
Standard efficiency	6670x1800x2820
High efficiency	6970x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

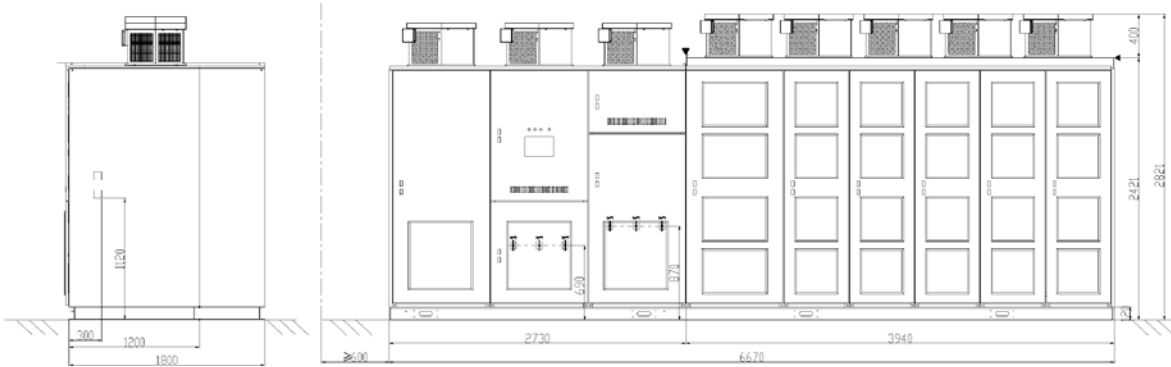
Altivar 1200

Medium Voltage Drive Systems

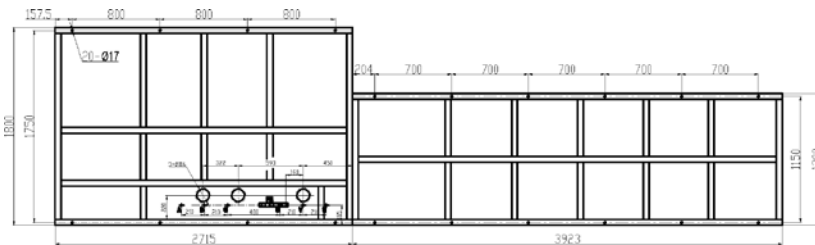
Output voltage 6.3 kV

ATV1200-A5350-6363●●S

Front view



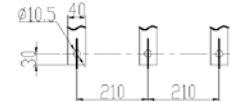
Footprint



Cable connection

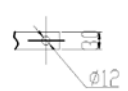
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



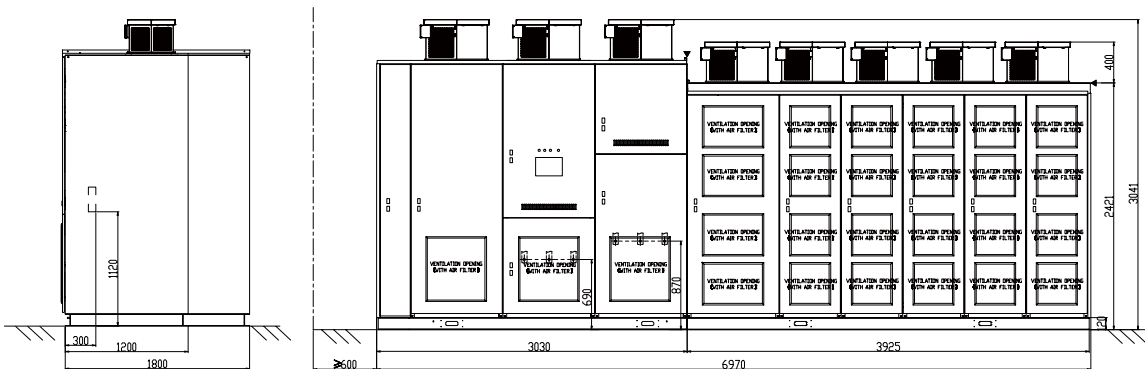
Earthing Busbar

PE
(Cu 3x30)

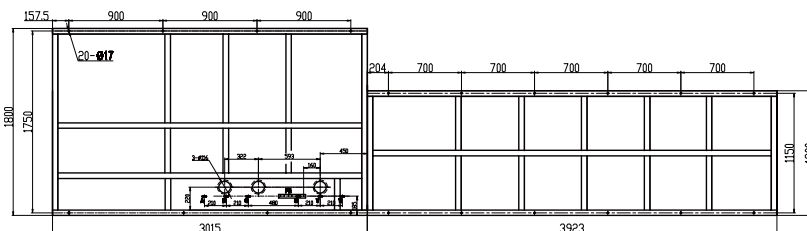


ATV1200-A5350-6363●●H

Front view



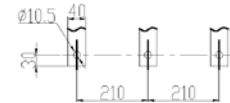
Footprint



Cable connection

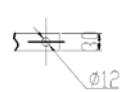
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV	
ATV1200	A6000-6363●●●
Nominal data	
Type rating [kVA]	
	6000
Motor power [kW]	
	5016
Continuous output current [A]	
With 120 % overload	550
With 150 % overload	440
Max. output current [A]	
1 min/10 min	660
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 196 <i>(incl. fan power)</i>
High efficiency	≤ 176 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	90000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	16700
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	8570x1800x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

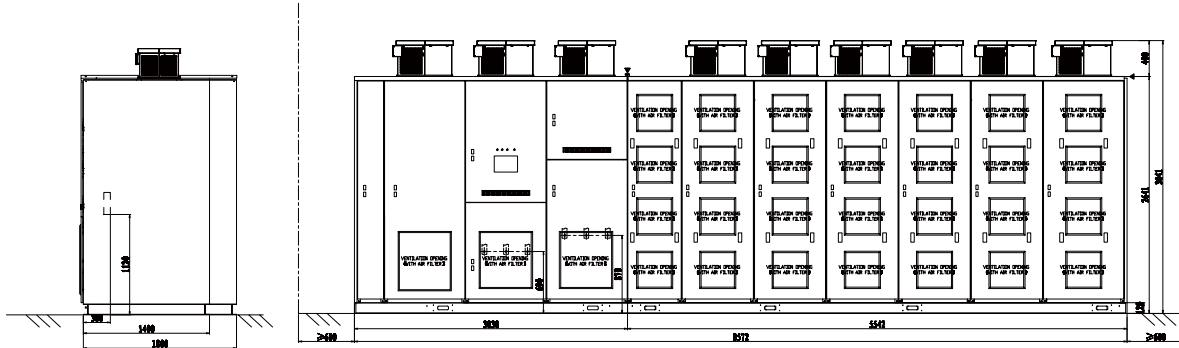
Altivar 1200

Medium Voltage Drive Systems

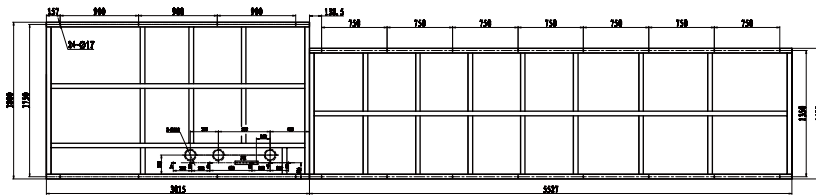
Output voltage 6.3 kV

ATV1200-A6000-6363●●S

Front view



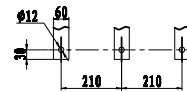
Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A6660–6363●●●	A7200–6363●●●
Nominal data		
Type rating [kVA]		
	6660	7200
Motor power [kW]		
	5568	6019
Continuous output current [A]		
With 120 % overload	612	660
With 150 % overload	490	528
Max. output current [A]		
1 min/10 min	735	793
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 212 <i>(incl. fan power)</i>	≤ 223 <i>(incl. fan power)</i>
High efficiency	≤ 295 <i>(incl. fan power)</i>	≤ 211 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	90000	90000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	18300	19000
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	9470x1600x3040	9470x1600x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

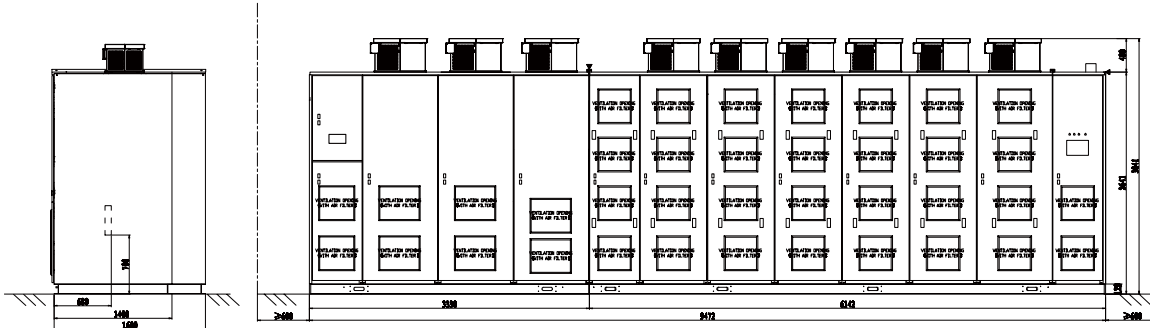
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

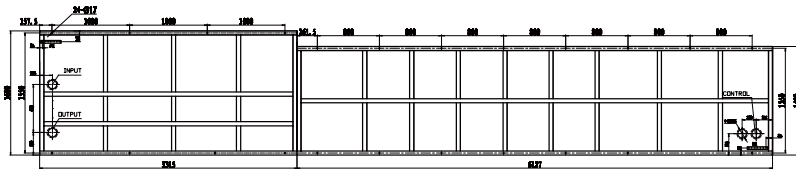
ATV1200-A6660-6363●●S ... A7200-6363●●S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV		
ATV1200	A7860–6363●●●	A8550–6363●●●
Nominal data		
Type rating [kVA]		
	7860	8550
Motor power [kW]		
	6571	7148
Continuous output current [A]		
With 120 % overload	612	783
With 150 % overload	576	626
Max. output current [A]		
1 min/10 min	864	940
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 243 <i>(incl. fan power)</i>	≤ 264 <i>(incl. fan power)</i>
High efficiency	≤ 230 <i>(incl. fan power)</i>	≤ 250 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	100000	100000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	20800	21400
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	9770x1700x3040	9770x1700x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

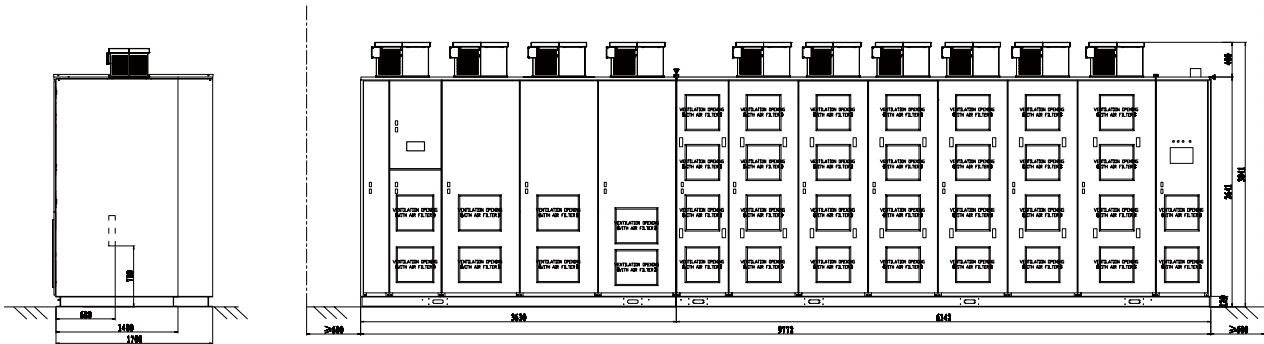
Altivar 1200

Medium Voltage Drive Systems

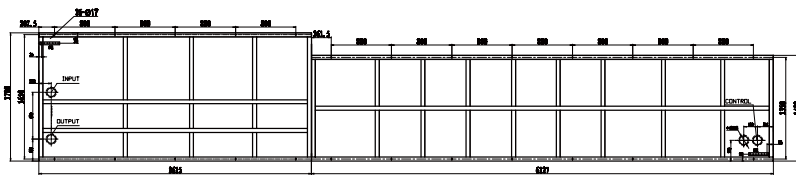
Output voltage 6.3 kV

ATV1200-A7860-6363●●S ... A8550-6363●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.3 kV

Technical data for output voltage 6.3 kV	
ATV1200	A9300-6363●●●
Nominal data	
Type rating [kVA]	
	9300
Motor power [kW]	
	7775
Continuous output current [A]	
With 120 % overload	850
With 150 % overload	680
Max. output current [A]	
1 min/10 min	1020
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 288 <i>(incl. fan power)</i>
High efficiency	≤ 272 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	100000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	22300
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	9770x1700x3340
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

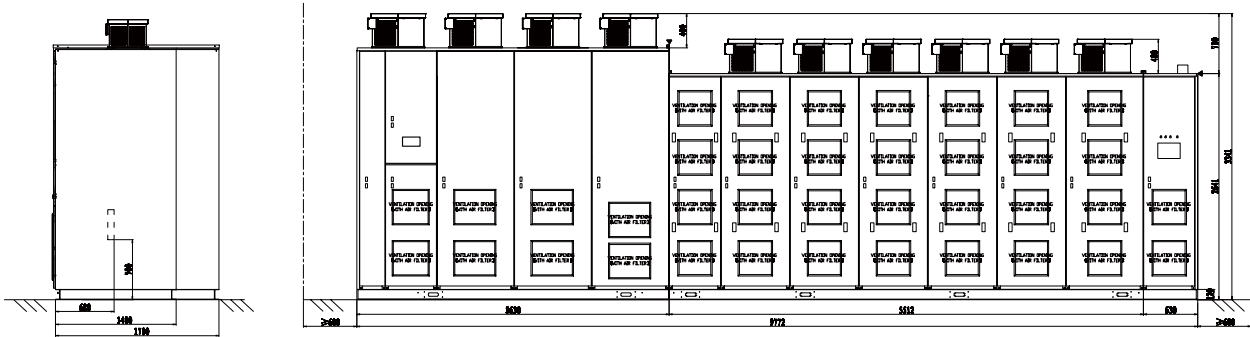
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.3 kV

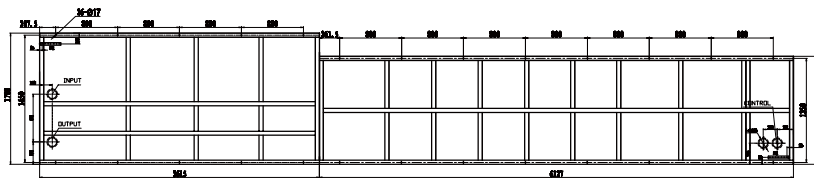
ATV1200-A9300-6363●●S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A470–6666●●●	A560–6666●●●
Nominal data		
Type rating [kVA]		
	470	560
Motor power [kW]		
	393	468
Continuous output current [A]		
With 120 % overload	41	49
With 150 % overload	33	39
Max. output current [A]		
1 min/10 min	49	59
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 16 <i>(incl. fan power)</i>	≤ 19 <i>(incl. fan power)</i>
High efficiency	≤ 14 <i>(incl. fan power)</i>	≤ 16 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	13200	13200
High efficiency	16500	16500
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	3100	3300
High efficiency	4000	4200
Dimension[mm] W*D*H		
Standard efficiency	3060x1400x2520	3060x1400x2520
High efficiency	3360x1500x2670	3360x1500x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

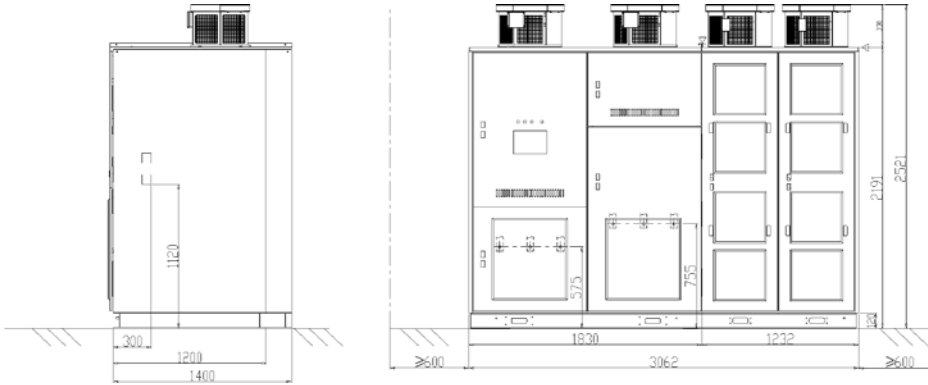
Altivar 1200

Medium Voltage Drive Systems

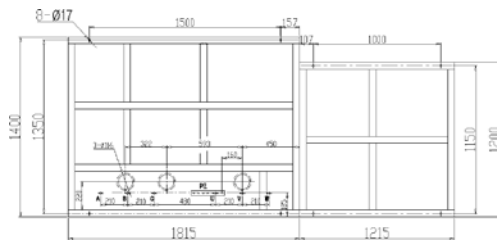
Output voltage 6.6 kV

ATV1200-A470-6666●●S ... A560-6666●●S

Front view



Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



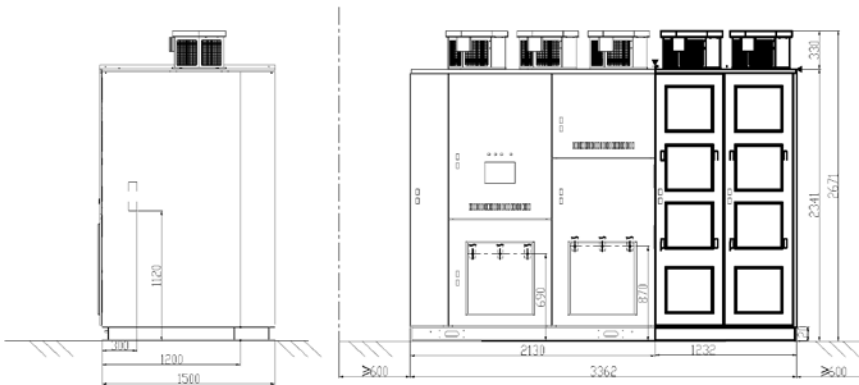
Earthing Busbar

PE
(Cu 3x30)

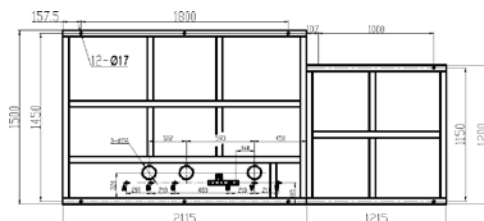


ATV1200-A470-6666●●H ... A560-6666●●H

Front view



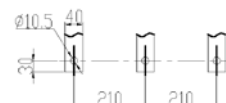
Footprint



Cable connection

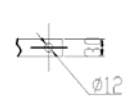
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV			
ATV1200	A750-6666●●●	A860-6666●●●	A940-6666●●●
Nominal data			
Type rating [kVA]			
	750	860	940
Motor power [kW]			
	627	719	786
Continuous output current [A]			
With 120 % overload	65	75	82
With 150 % overload	52	60	66
Max. output current [A]			
1 min/10 min	79	90	99
Power cells			
Number of cells per phase			
	6	6	6
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 25 <i>(incl. fan power)</i>	≤ 29 <i>(incl. fan power)</i>	≤ 31 <i>(incl. fan power)</i>
High efficiency	≤ 22 <i>(incl. fan power)</i>	≤ 25 <i>(incl. fan power)</i>	≤ 28 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	13200	13200	13200
High efficiency	19800	19800	19800
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	3500	3600	3800
High efficiency	4500	4600	4800
Dimension[mm] W*D*H			
Standard efficiency	3060x1400x2520	3060x1400x2520	3060x1400x2520
High efficiency	3660x1500x2670	3660x1500x2670	3660x1500x2670
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

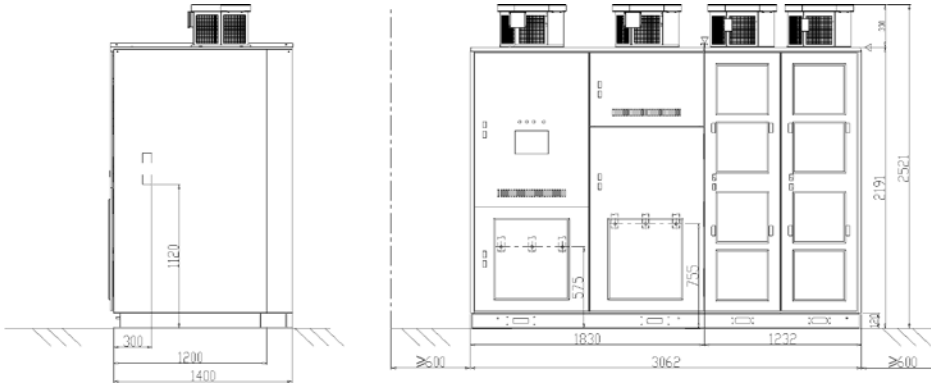
Altivar 1200

Medium Voltage Drive Systems

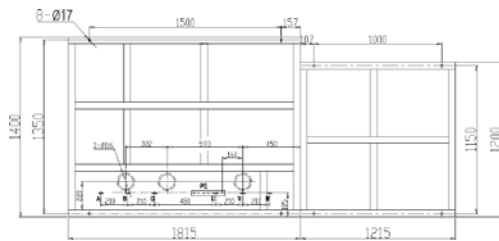
Output voltage 6.6 kV

ATV1200-A750-6666●●S ... A940-6666●●S

Front view



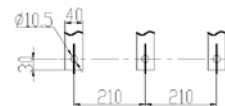
Footprint



Cable connection

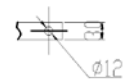
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



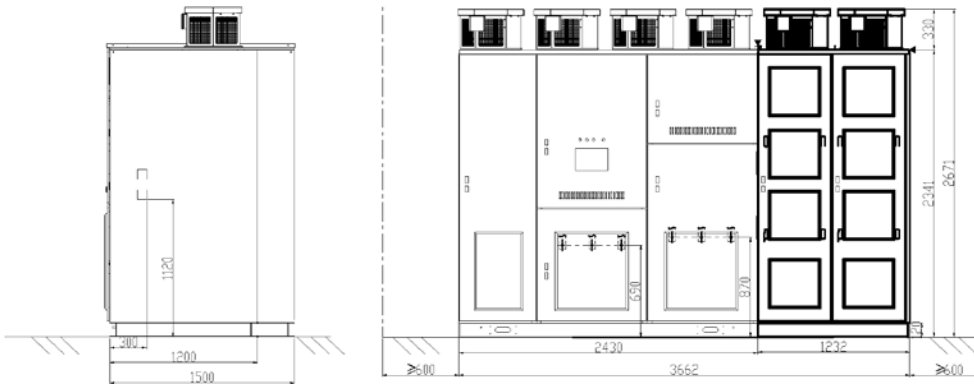
Earthing Busbar

PE
(Cu 3x30)

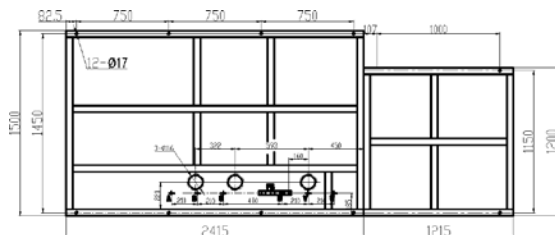


ATV1200-A750-6666●●H ... A940-6666●●H

Front view



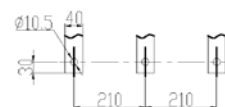
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A1070-6666●●●	A1150-6666●●●
Nominal data		
Type rating [kVA]		
	1070	1150
Motor power [kW]		
	895	961
Continuous output current [A]		
With 120 % overload	93	100
With 150 % overload	74	80
Max. output current [A]		
1 min/10 min	112	120
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 36 <i>(incl. fan power)</i>	≤ 38 <i>(incl. fan power)</i>
High efficiency	≤ 31 <i>(incl. fan power)</i>	≤ 34 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	4100	4200
High efficiency	5100	5200
Dimension[mm] W*D*H		
Standard efficiency	3360x1400x2520	3360x1400x2520
High efficiency	3660x1600x2670	3660x1600x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

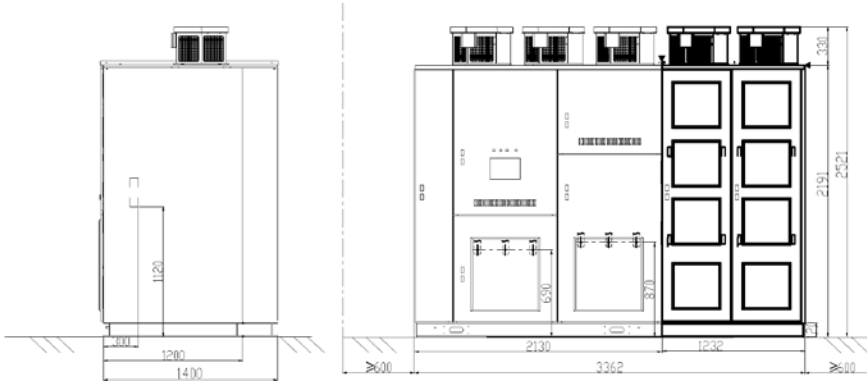
Altivar 1200

Medium Voltage Drive Systems

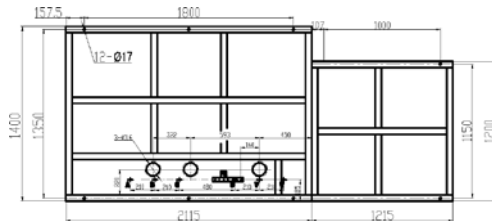
Output voltage 6.6 kV

ATV1200-A1070-6666●●S ... A1150-6666●●S

Front view



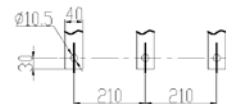
Footprint



Cable connection

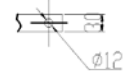
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



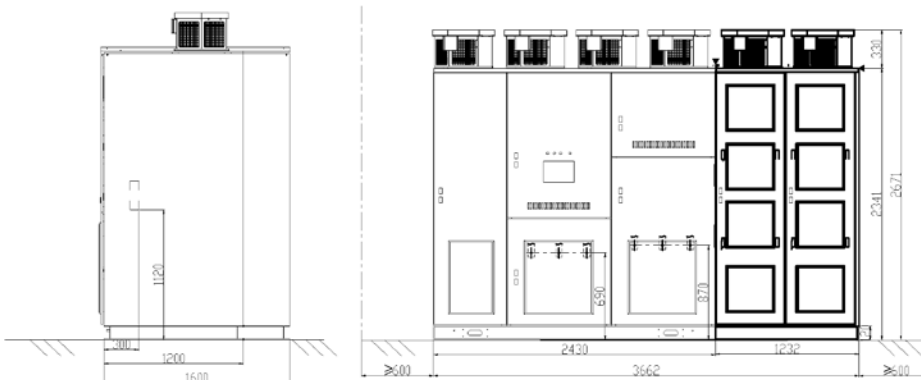
Earthing Busbar

PE
(Cu 3x30)

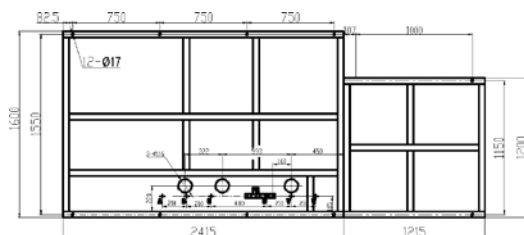


ATV1200-A1070-6666●●H ... A1150-6666●●H

Front view



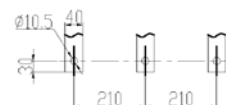
Footprint



Cable connection

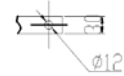
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A1250-6666●●●	A1550-6666●●●
Nominal data		
Type rating [kVA]		
	1250	1550
Motor power [kW]		
	1045	1296
Continuous output current [A]		
With 120 % overload	109	135
With 150 % overload	87	108
Max. output current [A]		
1 min/10 min	131	162
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 42 <i>(incl. fan power)</i>	≤ 38 <i>(incl. fan power)</i>
High efficiency	≤ 37 <i>(incl. fan power)</i>	≤ 45 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	16500	16500
High efficiency	19800	19800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	5000	5500
High efficiency	5900	6200
Dimension[mm] W*D*H		
Standard efficiency	3960x1500x2670	3960x1500x2670
High efficiency	4260x1600x2670	4260x1600x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

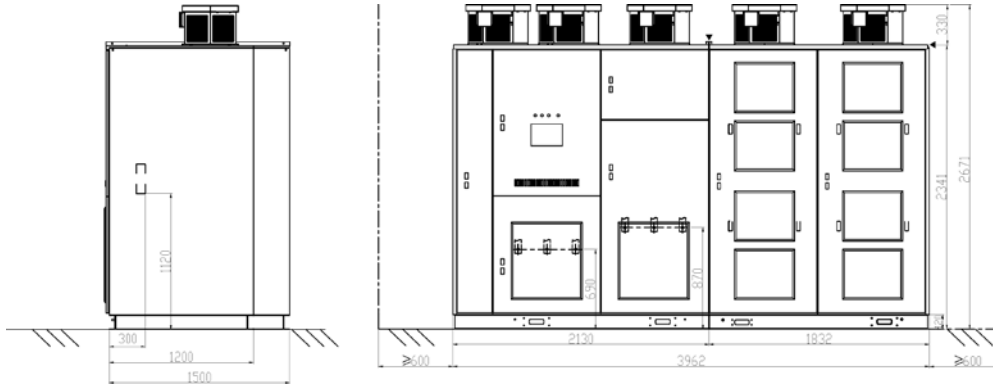
Altivar 1200

Medium Voltage Drive Systems

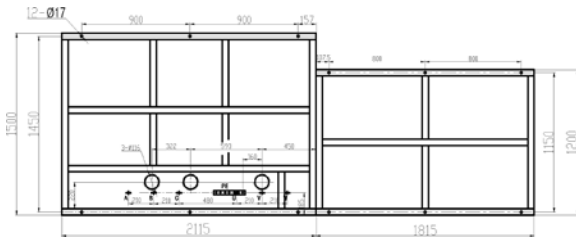
Output voltage 6.6 kV

ATV1200-A1250-6666●●S ... A1550-6666●●S

Front view



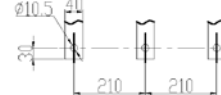
Footprint



Cable connection

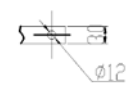
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



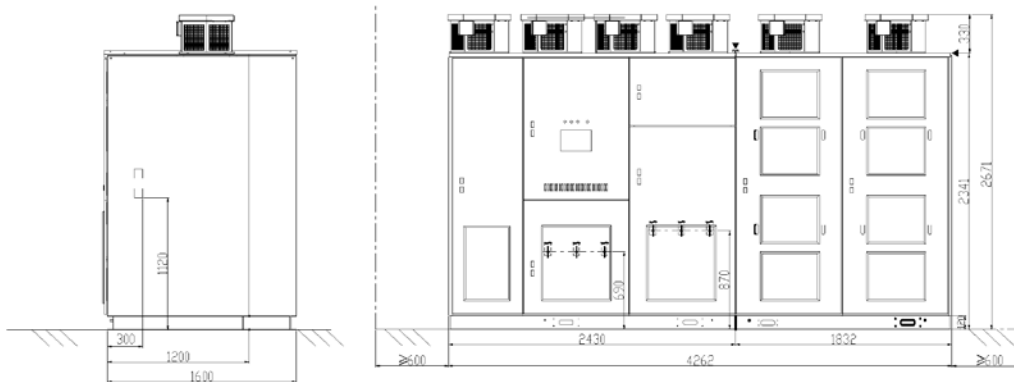
Earthing Busbar

PE
(Cu 3x30)

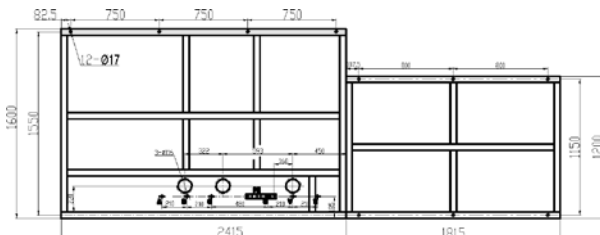


ATV1200-A1250-6666●●H ... A1550-6666●●H

Front view



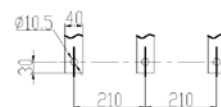
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



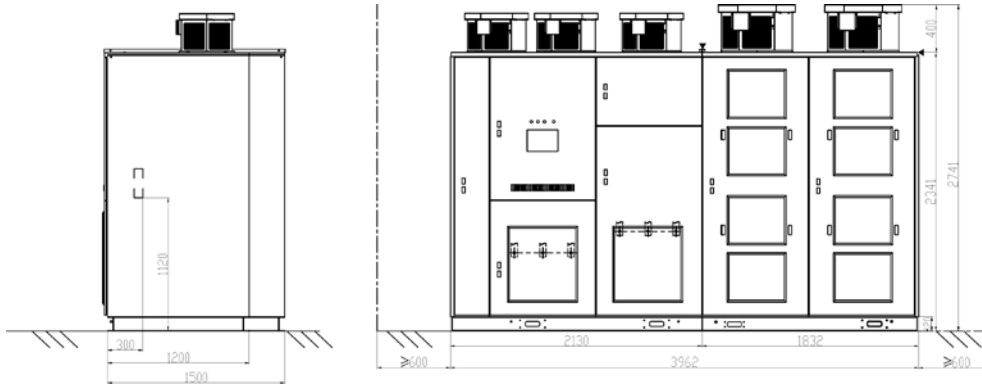
Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

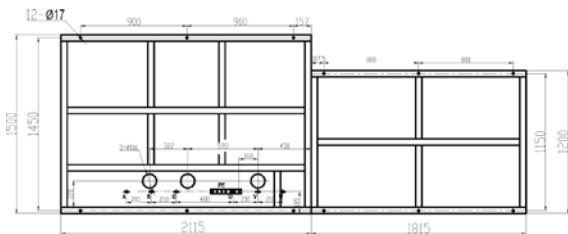
Technical data for output voltage 6.6 kV	
ATV1200	A1715-6666●●●
Nominal data	
Type rating [kVA]	
	1715
Motor power [kW]	
	1434
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 57 <i>(incl. fan power)</i>
High efficiency	≤ 50 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	29900
High efficiency	33200
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	5800
High efficiency	6500
Dimension[mm] W*D*H	
Standard efficiency	3960x1500x2740
High efficiency	4260x1600x2740
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A1715-6666●●S

Front view



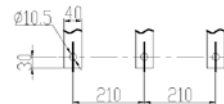
Footprint



Cable connection

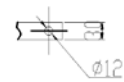
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



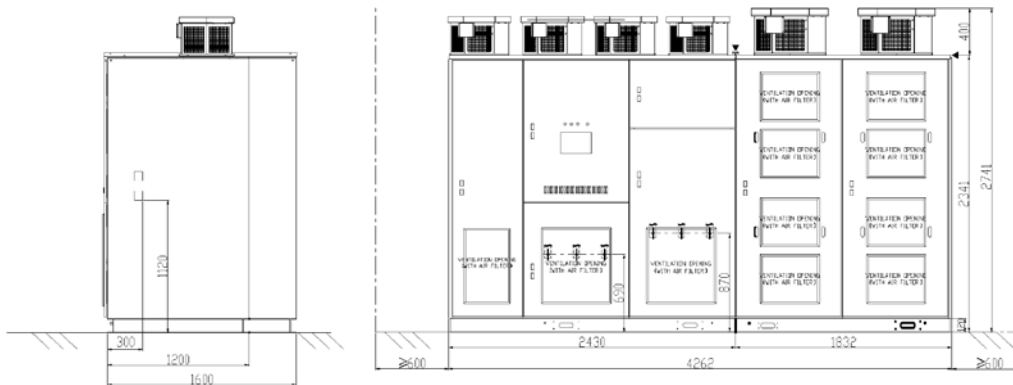
Earthing Busbar

PE
(Cu 3x30)

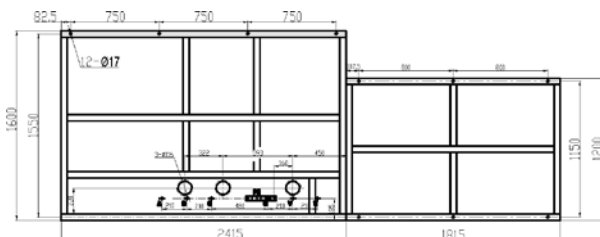


ATV1200-A1715-6666●●H

Front view



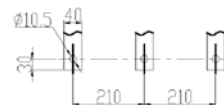
Footprint



Cable connection

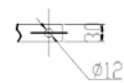
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A2060–6666●●●	A2290–6666●●●
Nominal data		
Type rating [kVA]		
	2060	2290
Motor power [kW]		
	1722	1914
Continuous output current [A]		
With 120 % overload	180	200
With 150 % overload	144	160
Max. output current [A]		
1 min/10 min	216	240
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 69 <i>(incl. fan power)</i>	≤ 77 <i>(incl. fan power)</i>
High efficiency	≤ 60 <i>(incl. fan power)</i>	≤ 67 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	23100	23100
High efficiency	23100	23100
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	7200	7500
High efficiency	7900	8200
Dimension[mm] W*D*H		
Standard efficiency	5170x1600x2670	5170x1600x2670
High efficiency	5470x1700x2670	5470x1700x2670
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

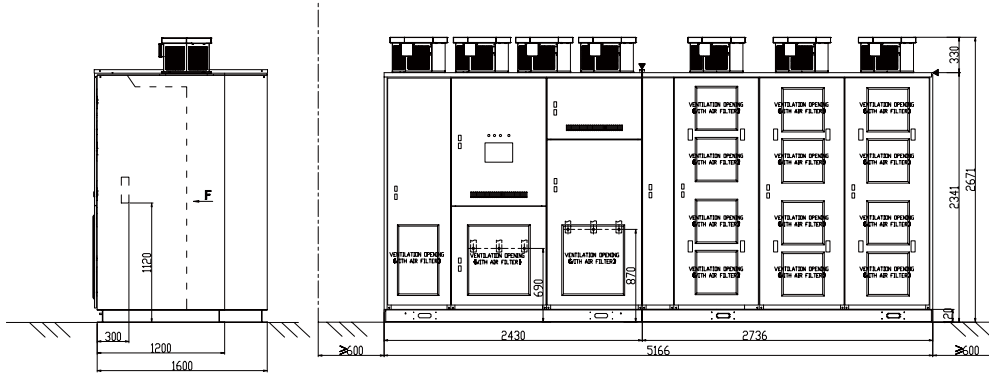
Altivar 1200

Medium Voltage Drive Systems

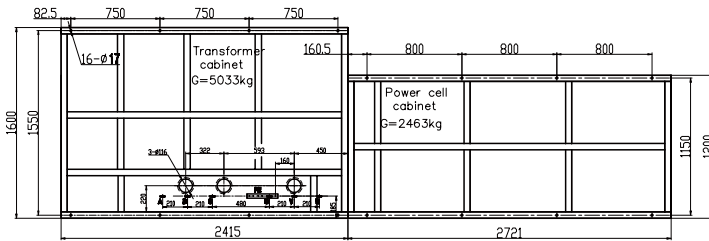
Output voltage 6.6 kV

ATV1200-A2060-6666●●S ... A2290-6666●●S

Front view



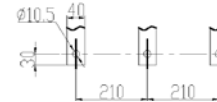
Footprint



Cable connection

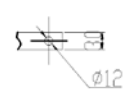
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



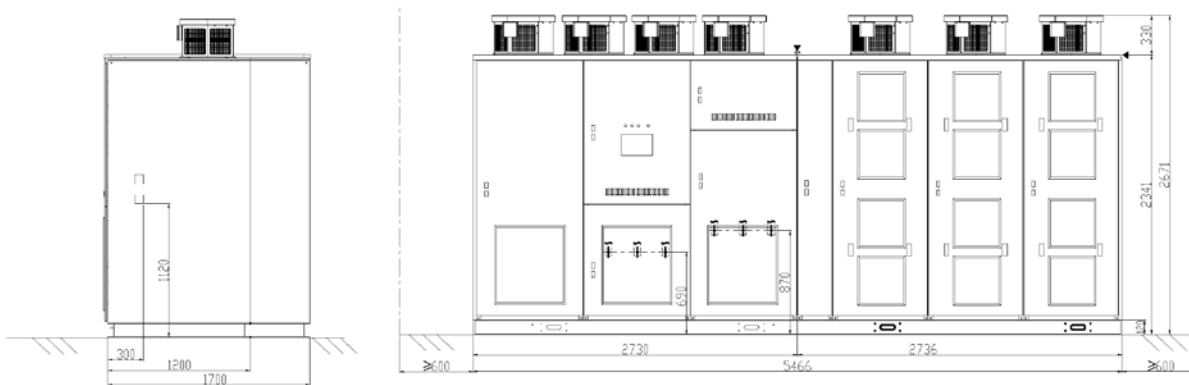
Earthing Busbar

PE
(Cu 3x30)

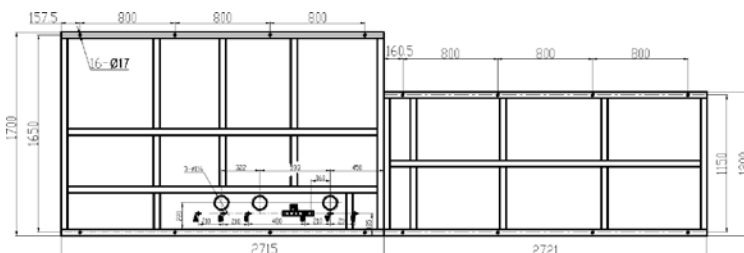


ATV1200-A2060-6666●●H ... A2290-6666●●H

Front view



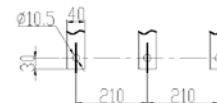
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV	
ATV1200	A2515–6666●●●
Nominal data	
Type rating [kVA]	
	2515
Motor power [kW]	
	2103
Continuous output current [A]	
With 120 % overload	220
With 150 % overload	176
Max. output current [A]	
1 min/10 min	264
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 84 <i>(incl. fan power)</i>
High efficiency	≤ 74 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	23100
High efficiency	23100
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7800
High efficiency	8800
Dimension[mm] W*D*H	
Standard efficiency	5170x1700x2670
High efficiency	5470x1700x2670
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

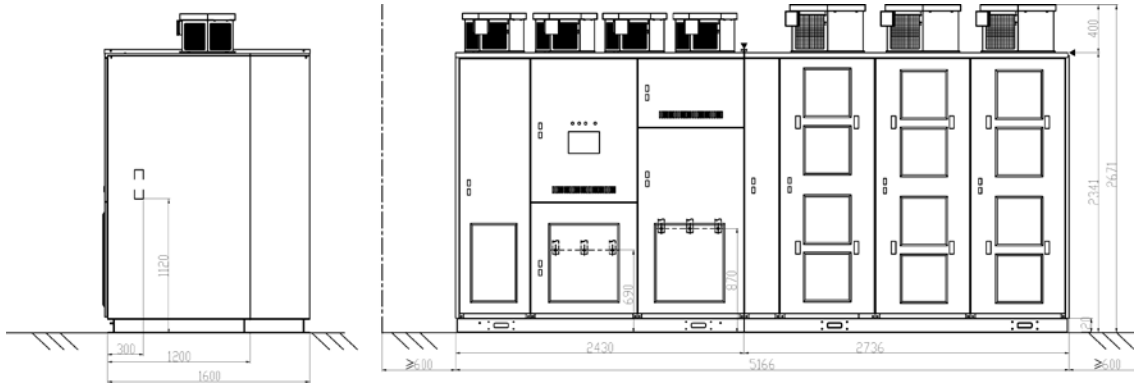
Altivar 1200

Medium Voltage Drive Systems

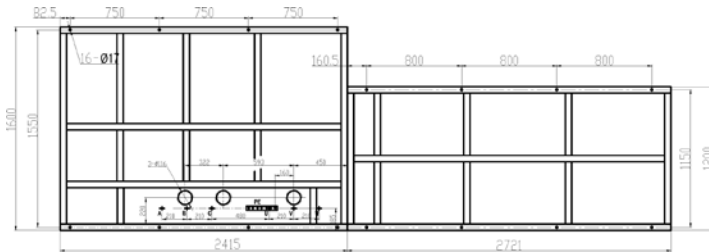
Output voltage 6.6 kV

ATV1200-A2515-6666●●S

Front view



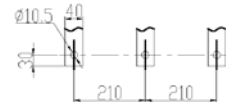
Footprint



Cable connection

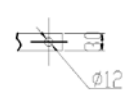
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



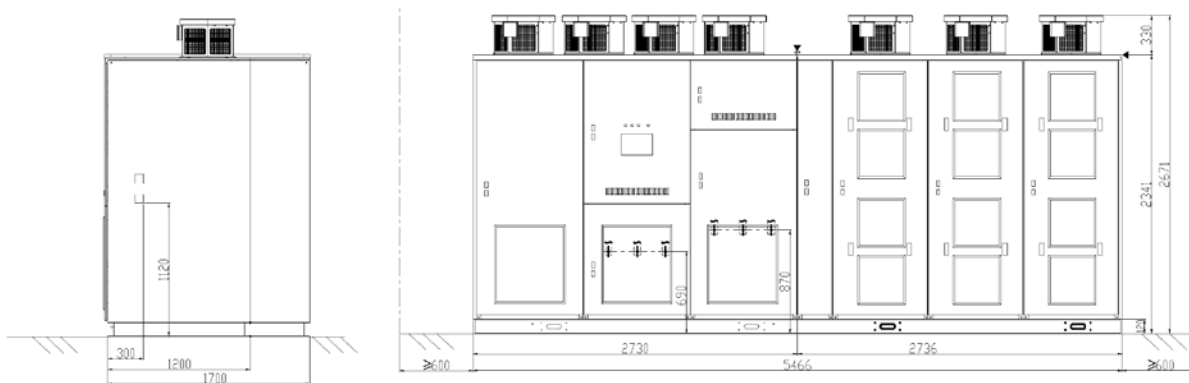
Earthing Busbar

PE
(Cu 3x30)

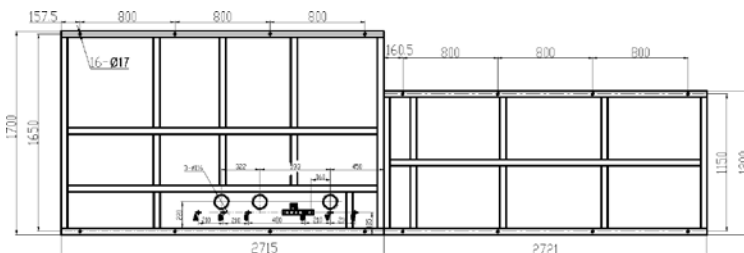


ATV1200-A2515-6666●●H

Front view



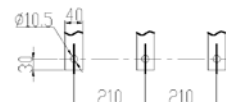
Footprint



Cable connection

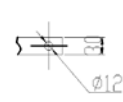
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A2800–6666●●●	A3200–6666●●●
Nominal data		
Type rating [kVA]		
	2800	3200
Motor power [kW]		
	2341	2675
Continuous output current [A]		
With 120 % overload	245	280
With 150 % overload	196	224
Max. output current [A]		
1 min/10 min	294	336
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 94 <i>(incl. fan power)</i>	≤ 107 <i>(incl. fan power)</i>
High efficiency	≤ 82 <i>(incl. fan power)</i>	≤ 94 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	43200	43200
High efficiency	43200	43200
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	8300	8700
High efficiency	9100	9600
Dimension[mm] W*D*H		
Standard efficiency	5170x1700x2740	5170x1700x2740
High efficiency	5470x1700x2740	5470x1700x2740
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

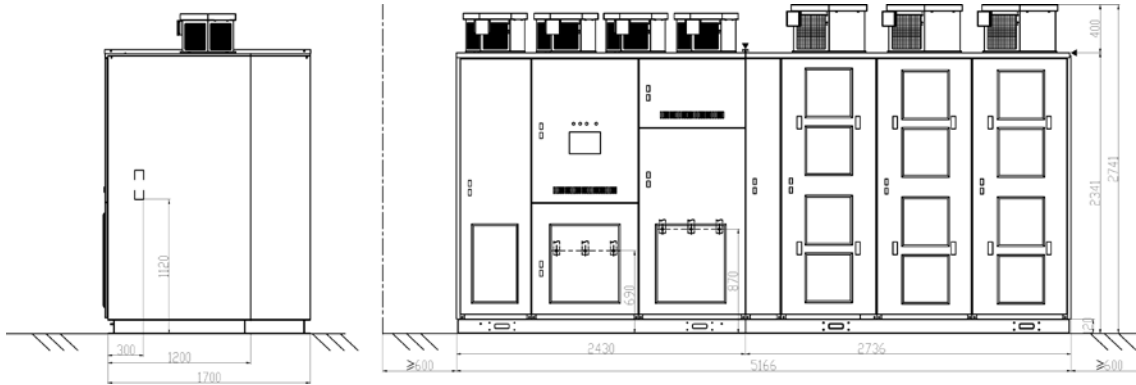
Altivar 1200

Medium Voltage Drive Systems

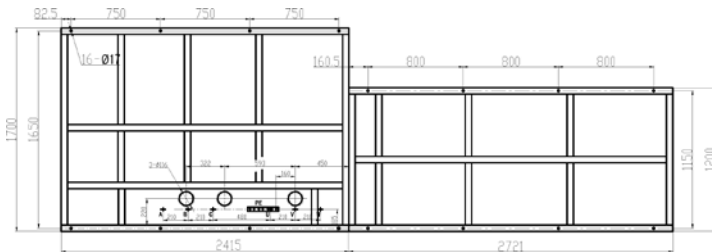
Output voltage 6.6 kV

ATV1200-A2800-6666●●S ... A3200-6666●●S

Front view



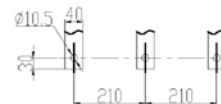
Footprint



Cable connection

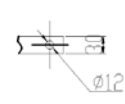
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



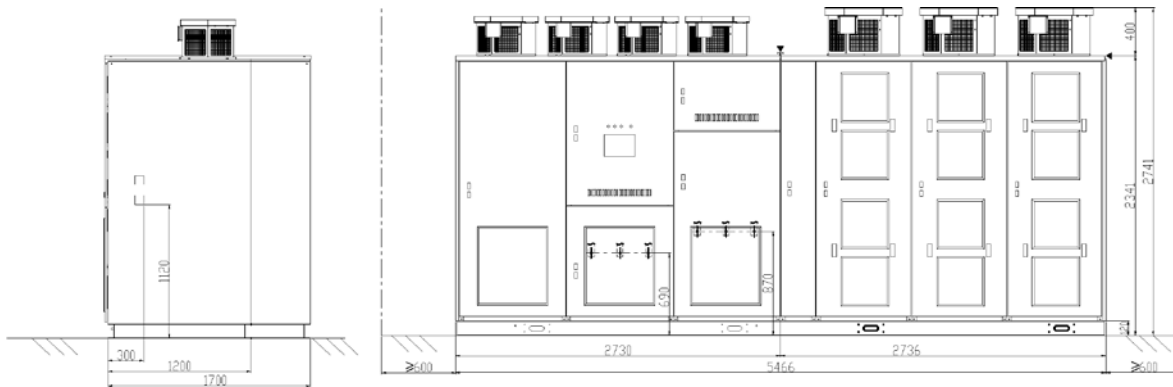
Earthing Busbar

PE
(Cu 3x30)

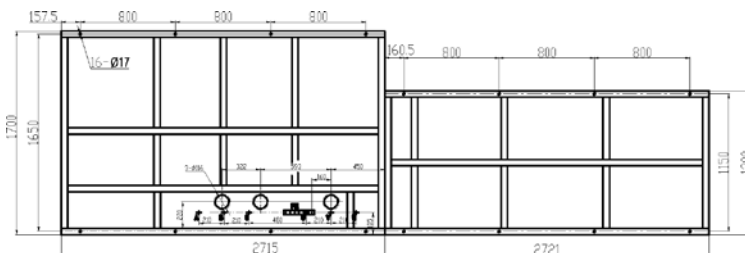


ATV1200-A2800-6666●●H ... A3200-6666●●H

Front view



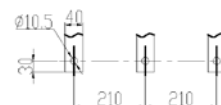
Footprint



Cable connection

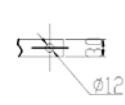
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

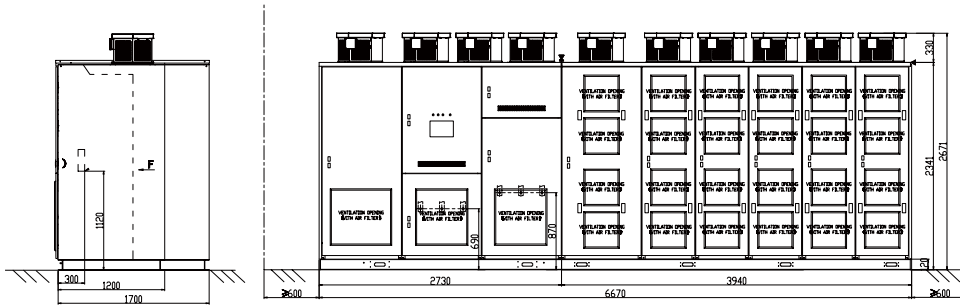
Technical data for output voltage 6.6 kV		
ATV1200	A3660–6666●●●	A3940–6666●●●
Nominal data		
Type rating [kVA]		
	3660	3940
Motor power [kW]		
	3060	3294
Continuous output current [A]		
With 120 % overload	320	345
With 150 % overload	256	276
Max. output current [A]		
1 min/10 min	384	414
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 122 <i>(incl. fan power)</i>	≤ 132 <i>(incl. fan power)</i>
High efficiency	≤ 107 <i>(incl. fan power)</i>	≤ 115 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	33000	33000
High efficiency	33000	33000
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	11200	11800
High efficiency	11800	12400
Dimension[mm] W*D*H		
Standard efficiency	6670x1700x2670	6670x1700x2670
High efficiency	6670x1700x2970	6670x1700x2970
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

Altivar 1200

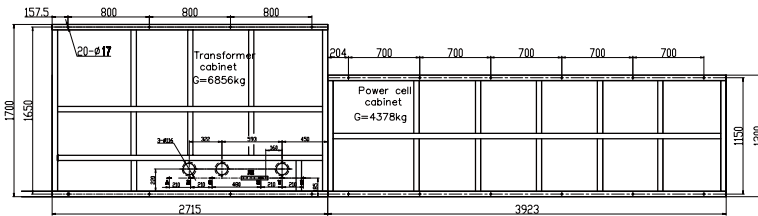
Medium Voltage Drive Systems
Output voltage 6.6 kV

ATV1200-A3660-6666●●S ... A3940-6666●●S

Front view



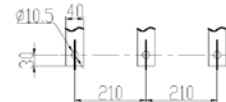
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



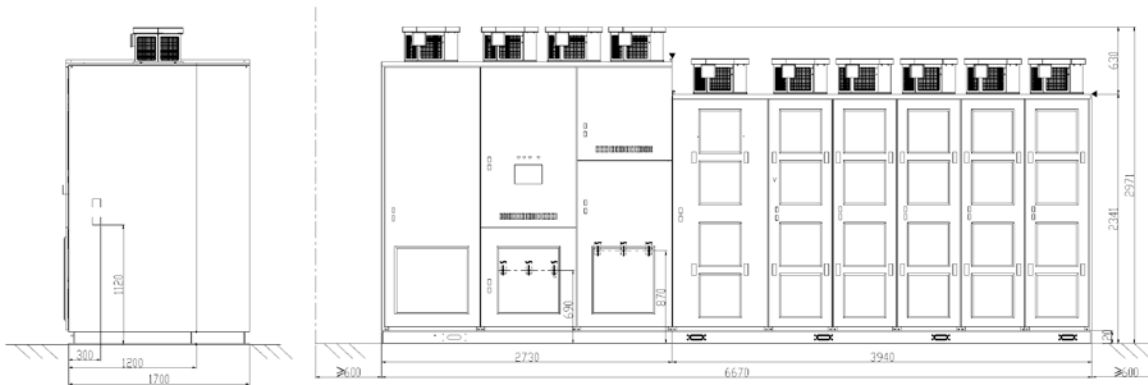
Earthing Busbar

PE
(Cu 3x30)

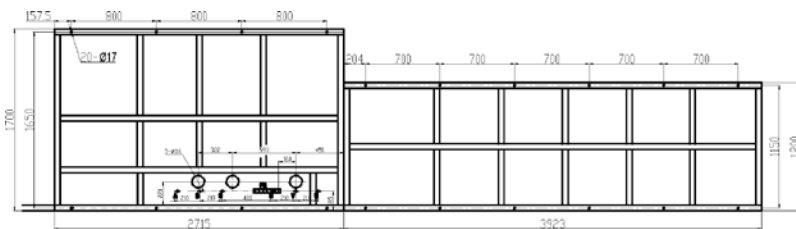


ATV1200-A3660-6666●●H ... A3940-6666●●H

Front view



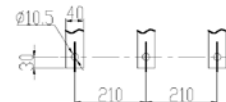
Footprint



Cable connection

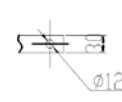
Input Output (Main Circuit)

(A . B . C) (U . V . W)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A4440–6666●●●	A4685–6666●●●
Nominal data		
Type rating [kVA]		
	4440	4685
Motor power [kW]		
	3712	3917
Continuous output current [A]		
With 120 % overload	388	410
With 150 % overload	311	328
Max. output current [A]		
1 min/10 min	466	492
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 148 <i>(incl. fan power)</i>	≤ 157 <i>(incl. fan power)</i>
High efficiency	≤ 130 <i>(incl. fan power)</i>	≤ 137 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	49800	49800
High efficiency	49800	49800
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	12400	12400
High efficiency	13100	13400
Dimension[mm] W*D*H		
Standard efficiency	6670x1700x2740	6670x1700x2740
High efficiency	6970x1800x3040	6970x1800x3040
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

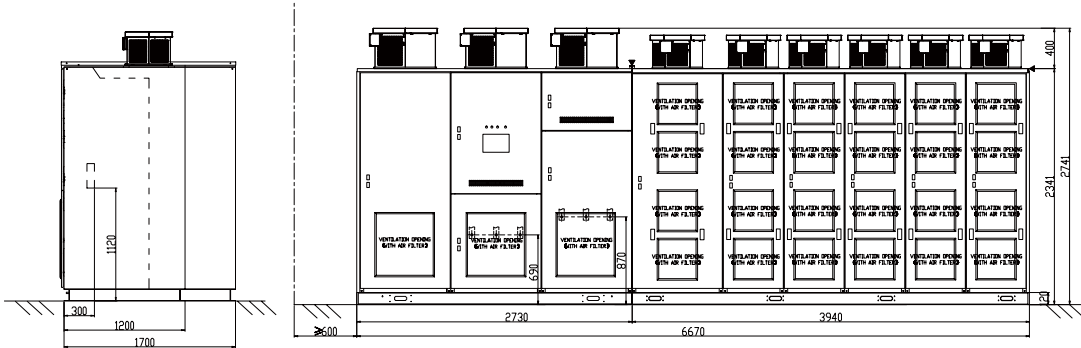
Altivar 1200

Medium Voltage Drive Systems

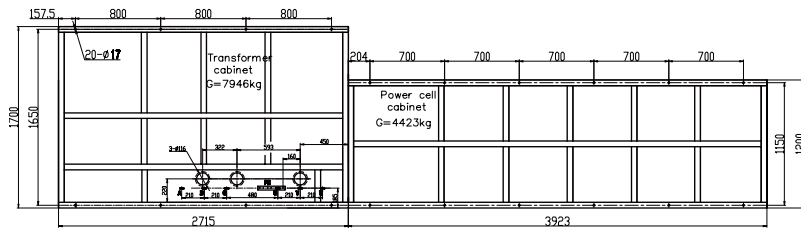
Output voltage 6.6 kV

ATV1200-A4440-6666●●S ... A4685-6666●●S

Front view



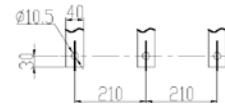
Footprint



Cable connection

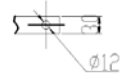
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



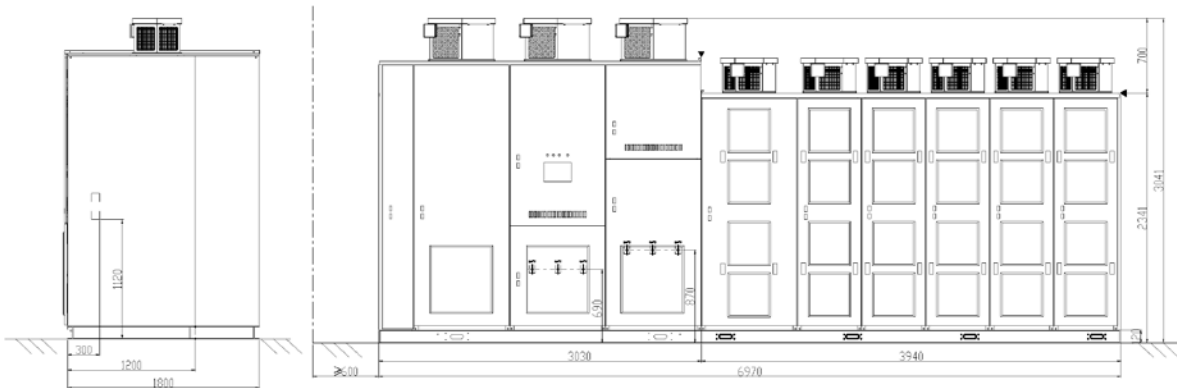
Earthing Busbar

PE
(Cu 3x30)

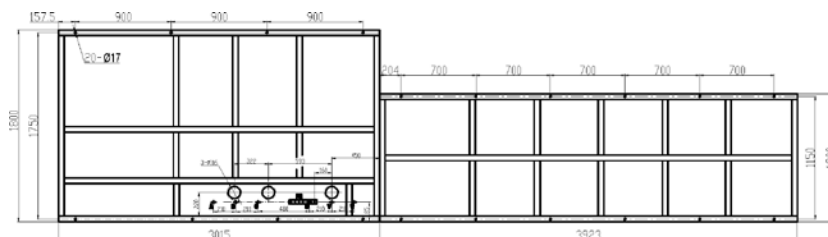


ATV1200-A4440-6666●●H ... A4685-6666●●H

Front view



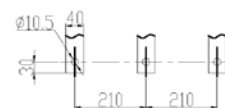
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV	
ATV1200	A5000-6666●●●
Nominal data	
Type rating [kVA]	
	5000
Motor power [kW]	
	4180
Continuous output current [A]	
With 120 % overload	437
With 150 % overload	350
Max. output current [A]	
1 min/10 min	525
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 167 <i>(incl. fan power)</i>
High efficiency	≤ 146 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	49800
High efficiency	49800
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	13300
High efficiency	13600
Dimension[mm] W*D*H	
Standard efficiency	6670x1800x2740
High efficiency	6970x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

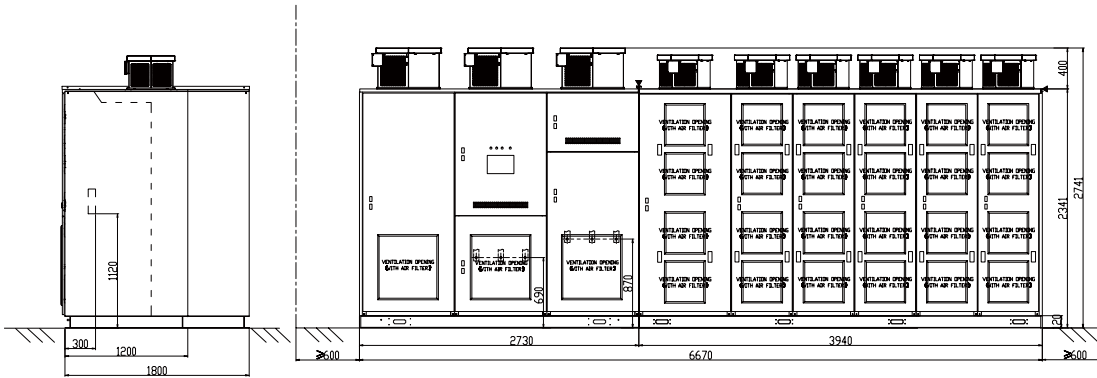
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

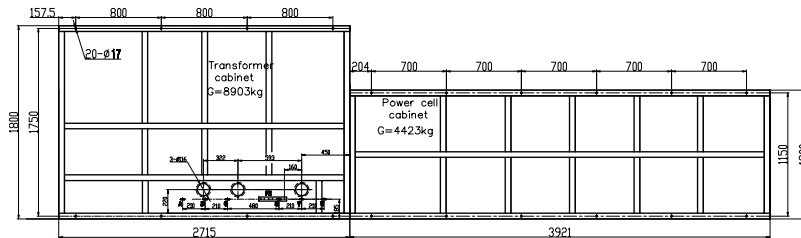
ATV1200-A5000-6666●●S

Front view



Footprint

Cable connection

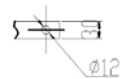
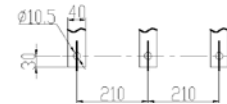


Input Output (Main Circuit)

Earthing Busbar

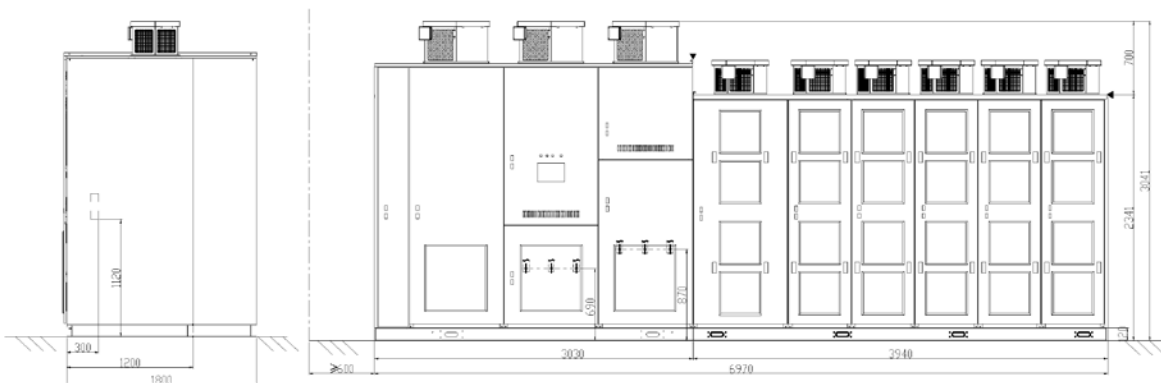
(A . B . C) (U . V . W.)
(Cu 6x40)

PE
(Cu 3x30)



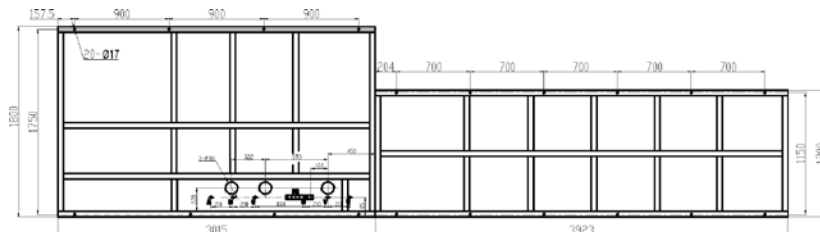
ATV1200-A5000-6666●●H

Front view



Footprint

Cable connection

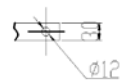
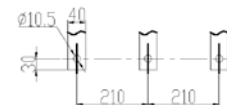


Input Output (Main Circuit)

Earthing Busbar

(A . B . C) (U . V . W.)
(Cu 6x40)

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV	
ATV1200	A5600-6666●●●
Nominal data	
Type rating [kVA]	
	5600
Motor power [kW]	
	4682
Continuous output current [A]	
With 120 % overload	490
With 150 % overload	392
Max. output current [A]	
1 min/10 min	588
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 174 <i>(incl. fan power)</i>
High efficiency	≤ 157 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	80000
High efficiency	80000
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	13800
High efficiency	14000
Dimension[mm] W*D*H	
Standard efficiency	6670x1800x2820
High efficiency	6970x1800x3040
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

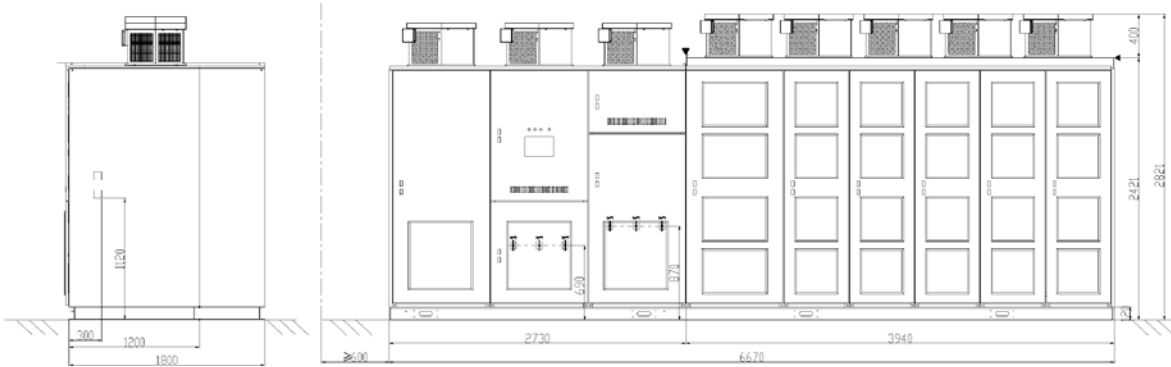
Altivar 1200

Medium Voltage Drive Systems

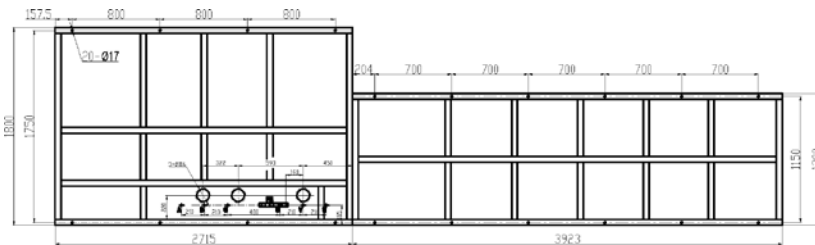
Output voltage 6.6 kV

ATV1200-A5600-6666●●S

Front view



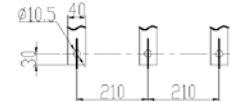
Footprint



Cable connection

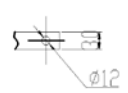
Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



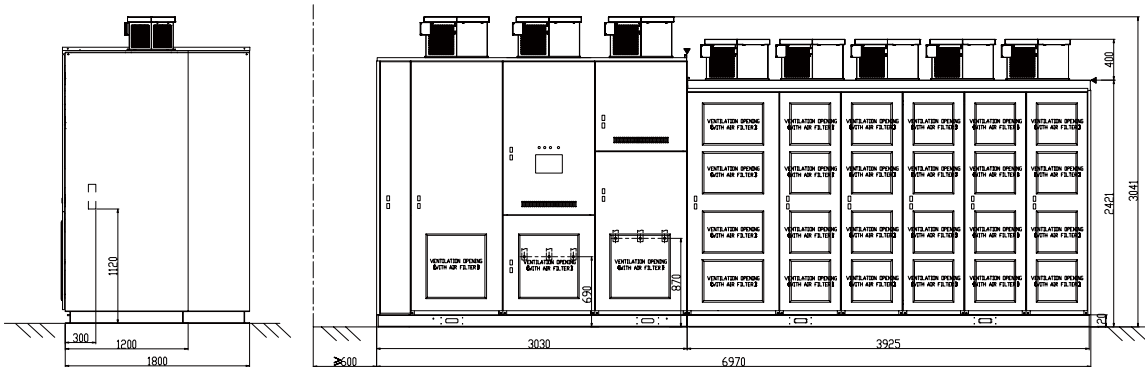
Earthing Busbar

PE
(Cu 3x30)

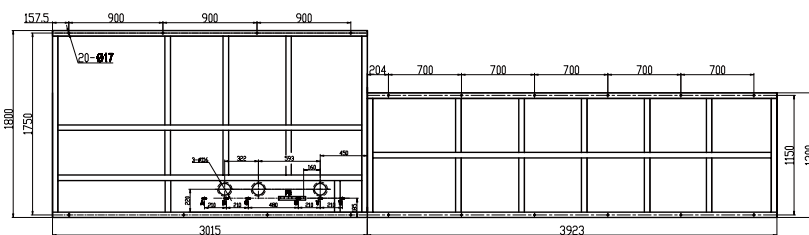


ATV1200-A5600-6666●●H

Front view



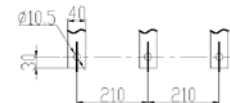
Footprint



Cable connection

Input Output (Main Circuit)

(A . B . C) (U . V . W.)
(Cu 6x40)



Earthing Busbar

PE
(Cu 3x30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

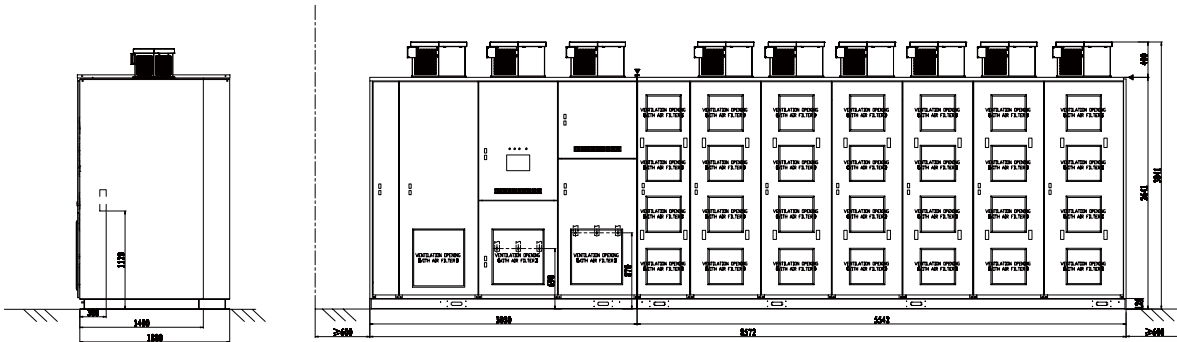
Technical data for output voltage 6.6 kV	
ATV1200	A6300-6666●●●
Nominal data	
Type rating [kVA]	
	6300
Motor power [kW]	
	5267
Continuous output current [A]	
With 120 % overload	550
With 150 % overload	440
Max. output current [A]	
1 min/10 min	660
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 205 <i>(incl. fan power)</i>
High efficiency	≤ 184 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	90000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	16700
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	8570x1800x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

Altivar 1200

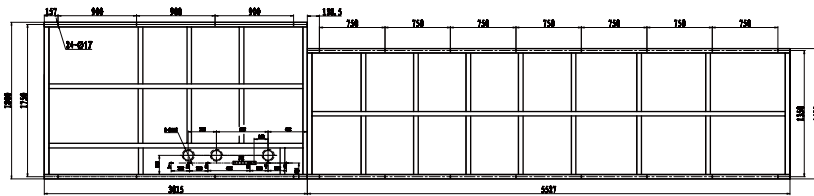
Medium Voltage Drive Systems
Output voltage 6.6 kV

ATV1200-A6300-6666••S

Front view



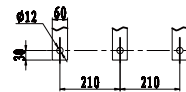
Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A7000–6666●●●	A7550–6666●●●
Nominal data		
Type rating [kVA]		
	7000	7550
Motor power [kW]		
	5852	6312
Continuous output current [A]		
With 120 % overload	612	660
With 150 % overload	490	528
Max. output current [A]		
1 min/10 min	735	793
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 222 <i>(incl. fan power)</i>	≤ 234 <i>(incl. fan power)</i>
High efficiency	≤ 205 <i>(incl. fan power)</i>	≤ 221 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	90000	90000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	18300	19000
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	9470x1600x3040	9470x1600x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

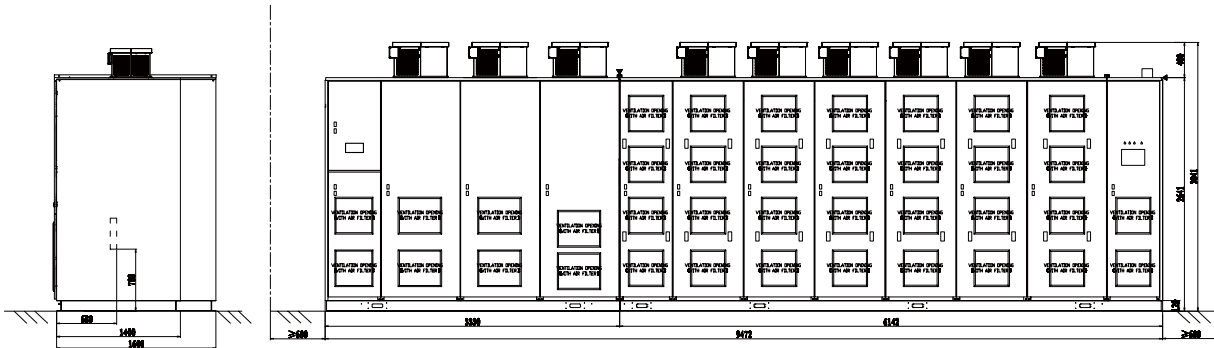
Altivar 1200

Medium Voltage Drive Systems

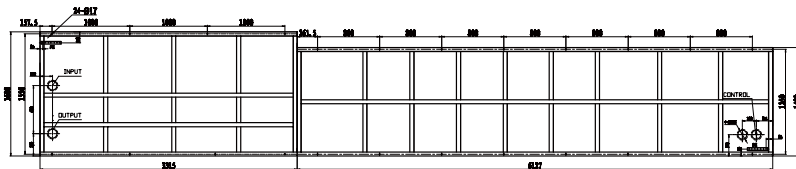
Output voltage 6.6 kV

ATV1200-A7000-6666●●S ... A7550-6666●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)

EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV		
ATV1200	A8250–6666●●●	A8950–6666●●●
Nominal data		
Type rating [kVA]		
	8250	7550
Motor power [kW]		
	6897	6312
Continuous output current [A]		
With 120 % overload	720	660
With 150 % overload	576	528
Max. output current [A]		
1 min/10 min	864	793
Power cells		
Number of cells per phase		
	6	6
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 255 <i>(incl. fan power)</i>	≤ 234 <i>(incl. fan power)</i>
High efficiency	≤ 241 <i>(incl. fan power)</i>	≤ 221 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	100000	100000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	20800	21400
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	9770x1700x3040	9770x1700x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

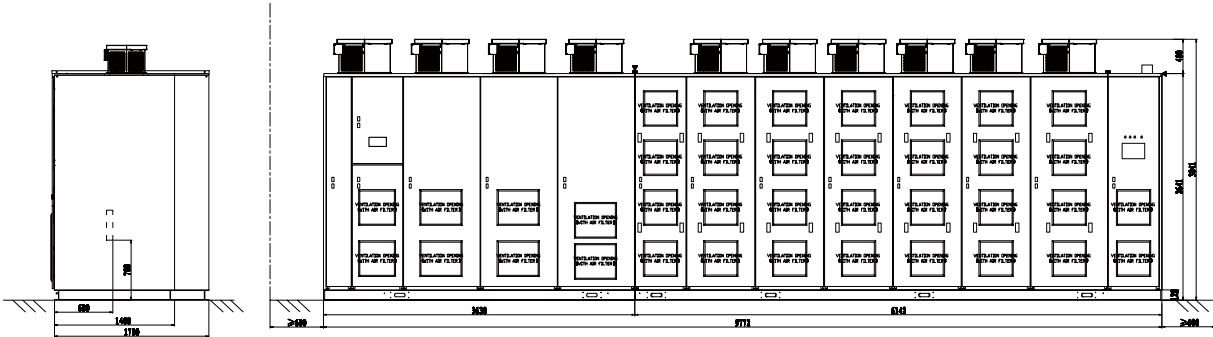
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

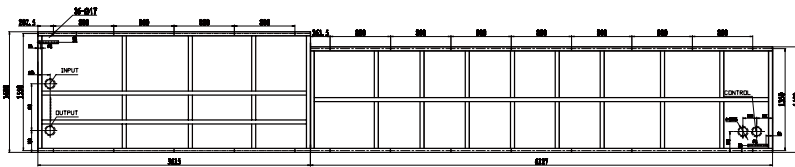
ATV1200-A8250-6666●●S ... A8950-6666●●S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)

EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

Medium Voltage Drive Systems
Output voltage 6.6 kV

Technical data for output voltage 6.6 kV	
ATV1200	A9750-6666●●●
Nominal data	
Type rating [kVA]	
	9750
Motor power [kW]	
	8151
Continuous output current [A]	
With 120 % overload	850
With 150 % overload	680
Max. output current [A]	
1 min/10 min	1020
Power cells	
Number of cells per phase	
	6
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 302 <i>(incl. fan power)</i>
High efficiency	≤ 285 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	100000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	22300
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	9770x1700x3340
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

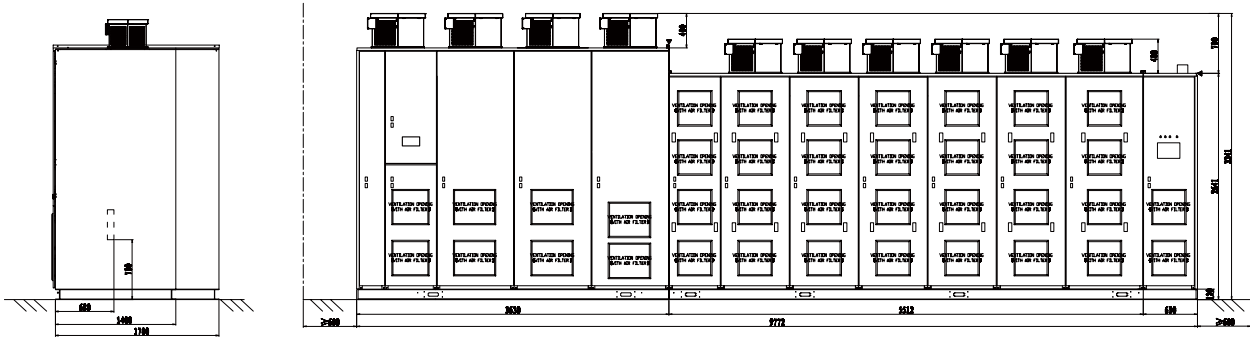
Altivar 1200

Medium Voltage Drive Systems

Output voltage 6.6 kV

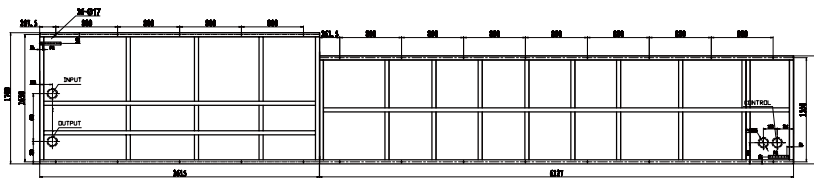
ATV1200-A9750-6666●●S

Front view



Footprint

Cable connection



INPUT OUTPUT (MAIN CIRCUIT)

(A . B . C) (U . V . W)
(Cu 6X60)



EARTHING BUSBAR

PE
(Cu 3X30)



Altivar 1200

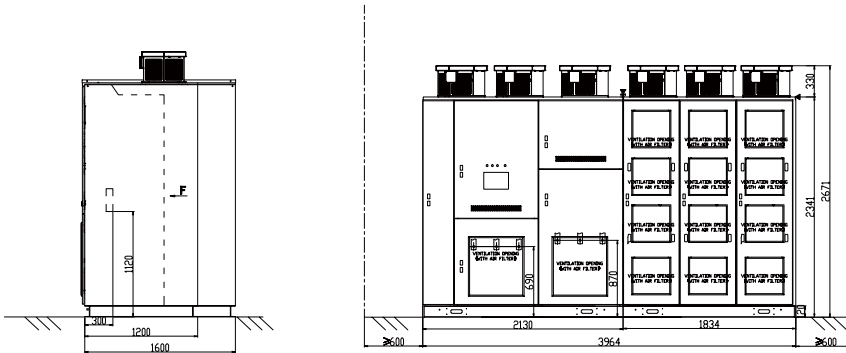
Medium Voltage Drive Systems

Output voltage 10 kV

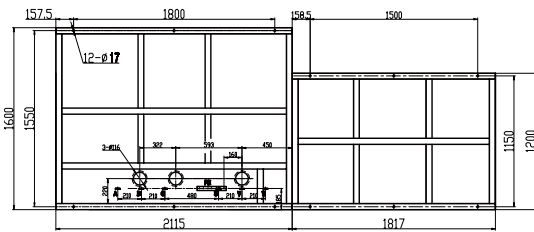
Technical data for output voltage 10 kV				
ATV1200	A470-1010●●●	A610-1010●●●	A700-1010●●●	A790-1010●●●
Nominal data				
Type rating [kVA]				
	470	610	700	790
Motor power [kW]				
	393	510	585	660
Continuous output current [A]				
With 120 % overload	27	35	40	46
With 150 % overload	22	28	32	36
Max. output current [A]				
1 min/10 min	33	42	48	55
Power cells				
Number of cells per phase				
	8	8	8	8
Characteristics				
Efficiency (incl. transformer) [%]				
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]				
Standard efficiency	≤ 16 <i>(incl. fan power)</i>	≤ 20 <i>(incl. fan power)</i>	≤ 23 <i>(incl. fan power)</i>	≤ 26 <i>(incl. fan power)</i>
High efficiency	≤ 14 <i>(incl. fan power)</i>	≤ 18 <i>(incl. fan power)</i>	≤ 20 <i>(incl. fan power)</i>	≤ 23 <i>(incl. fan power)</i>
Air flow [m³/h]				
Standard efficiency	19800	19800	19800	19800
High efficiency				
Sound pressure level [dB(A)]				
	≤ 80	≤ 80	≤ 80	≤ 80
Weight [kg]				
Standard efficiency	4100	4300	4400	4500
High efficiency				
Dimension[mm] W*D*H				
Standard efficiency	3960x1600x2670	3960x1600x2670	3960x1600x2670	3960x1600x2670
High efficiency				
Connection				
Incoming cable				
Type	standard symmetrical	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing	see drawing
Motor cable				
Type	3 core	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m	2000 m

ATV1200-A470-1010●●S ... A790-1010●●S

Front view

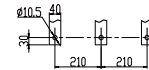


Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)
(A . B . C) (U . V . W)
(Cu 6X40)



EARTHING BUSBAR
PE
(Cu 3X30)



Altivar 1200

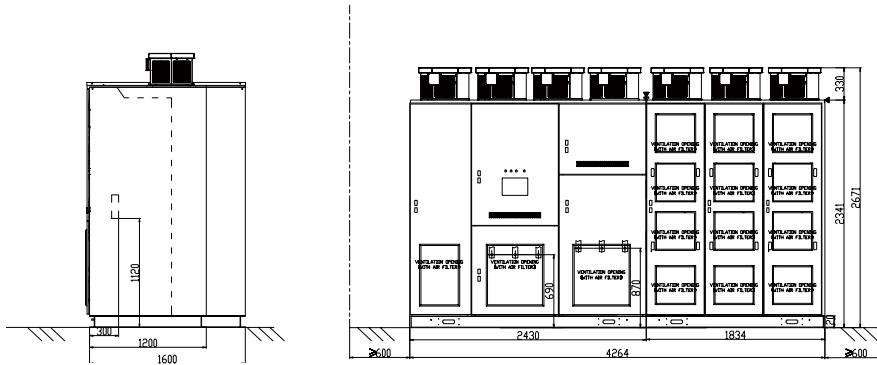
Medium Voltage Drive Systems

Output voltage 10 kV

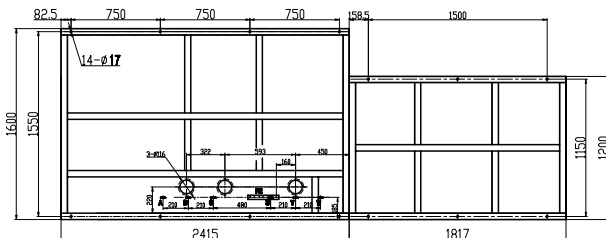
Technical data for output voltage 10 kV			
ATV1200	A940-1010●●●	A1070-1010●●●	A1130-1010●●●
Nominal data			
Type rating [kVA]			
	940	1070	1130
Motor power [kW]			
	786	895	945
Continuous output current [A]			
With 120 % overload	54	62	65
With 150 % overload	43	49	52
Max. output current [A]			
1 min/10 min	65	74	78
Power cells			
Number of cells per phase			
	8	8	8
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 31 <i>(incl. fan power)</i>	≤ 36 <i>(incl. fan power)</i>	≤ 38 <i>(incl. fan power)</i>
High efficiency	≤ 28 <i>(incl. fan power)</i>	≤ 31 <i>(incl. fan power)</i>	≤ 33 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	23100	23100	23100
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	4700	4900	5000
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	4260x1600x2670	4260x1600x2670	4260x1600x2670
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

ATV1200-A940-1010●●S ... A1130-1010●●S

Front view

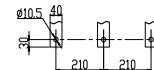


Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT)
(A . B . C) (U . V . W)
(Cu 6X40)



EARTHING BUSBAR
PE
(Cu 3X30)



Altivar 1200

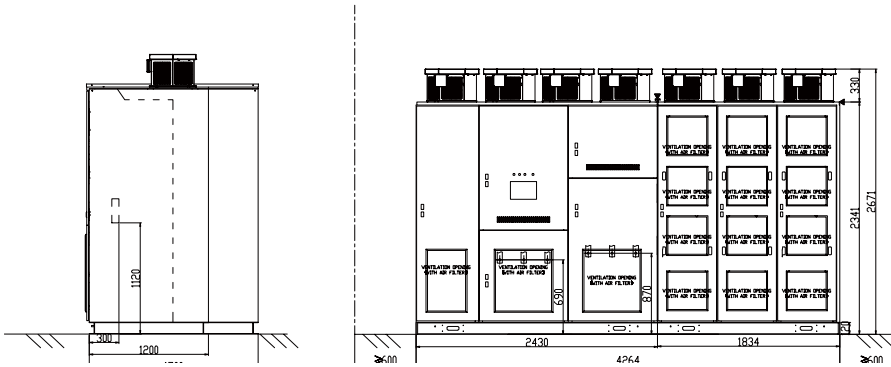
Medium Voltage Drive Systems

Output voltage 10 kV

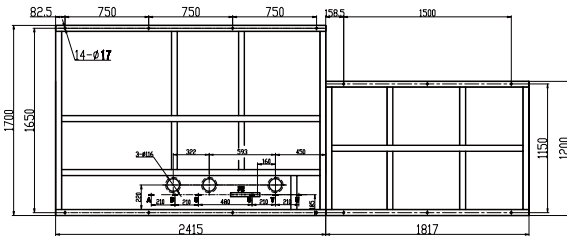
Technical data for output voltage 10 kV			
ATV1200	A1250-1010●●●	A1570-1010●●●	A1730-1010●●●
Nominal data			
Type rating [kVA]			
	1250	1570	1730
Motor power [kW]			
	1045	1313	1446
Continuous output current [A]			
With 120 % overload	72	91	100
With 150 % overload	58	73	80
Max. output current [A]			
1 min/10 min	87	109	120
Power cells			
Number of cells per phase			
	8	8	8
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 42 <i>(incl. fan power)</i>	≤ 53 <i>(incl. fan power)</i>	≤ 58 <i>(incl. fan power)</i>
High efficiency	≤ 37 <i>(incl. fan power)</i>	≤ 46 <i>(incl. fan power)</i>	≤ 51 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	23100	23100	23100
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	5100	5500	5700
High efficiency			
Dimension [mm] W*D*H			
Standard efficiency	4260x1700x2670	4260x1700x2670	4260x1700x2670
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

ATV1200-A1250-1010●●S ... A1730-1010●●S

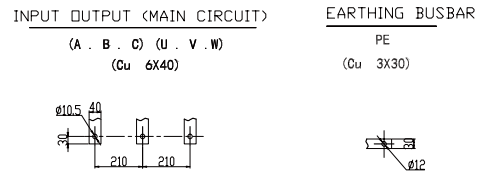
Front view



Footprint



Cable connection



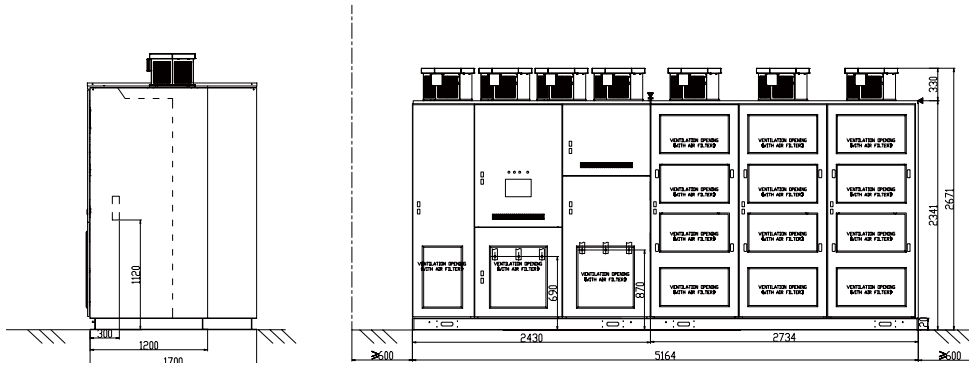
Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

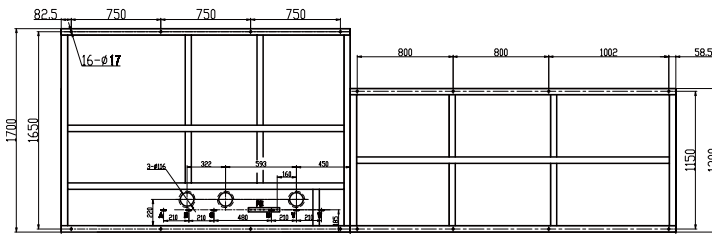
Technical data for output voltage 10 kV		
ATV1200	A2000-1010●●●	A2340-1010●●●
Nominal data		
Type rating [kVA]		
	2000	2340
Motor power [kW]		
	1672	1956
Continuous output current [A]		
With 120 % overload	115	135
With 150 % overload	92	108
Max. output current [A]		
1 min/10 min	139	162
Power cells		
Number of cells per phase		
	8	8
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 67 <i>(incl. fan power)</i>	≤ 78 <i>(incl. fan power)</i>
High efficiency	≤ 59 <i>(incl. fan power)</i>	≤ 68 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	23100	23100
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	6900	7300
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	5160x1700x2670	5160x1700x2670
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

ATV1200-A2000-1010●●S ... A2340-1010●●S

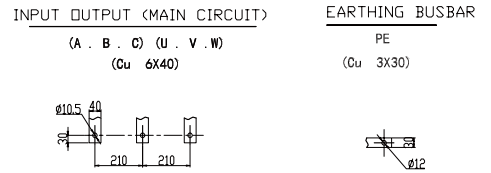
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

Technical data for output voltage 10 kV	
ATV1200	A2600-1010●●●
Nominal data	
Type rating [kVA]	
	2600
Motor power [kW]	
	2174
Continuous output current [A]	
With 120 % overload	150
With 150 % overload	120
Max. output current [A]	
1 min/10 min	180
Power cells	
Number of cells per phase	
	8
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]	
Standard efficiency	≤ 87 <i>(incl. fan power)</i>
High efficiency	≤ 76 <i>(incl. fan power)</i>
Air flow [m³/h]	
Standard efficiency	43200
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	7900
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	6060x1500x2740
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

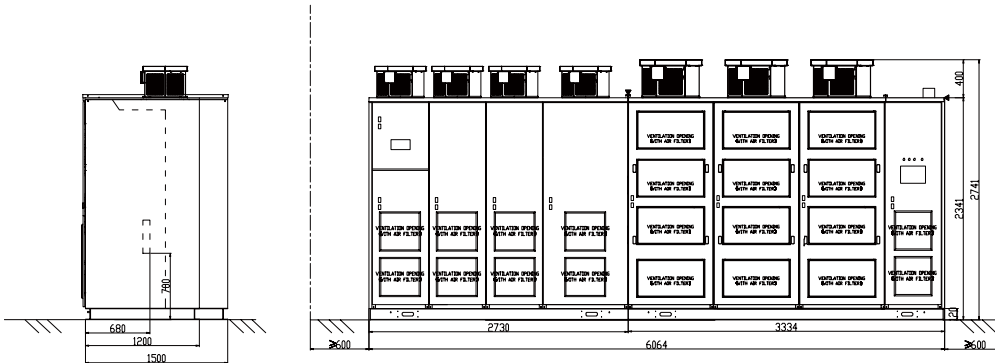
Altivar 1200

Medium Voltage Drive Systems

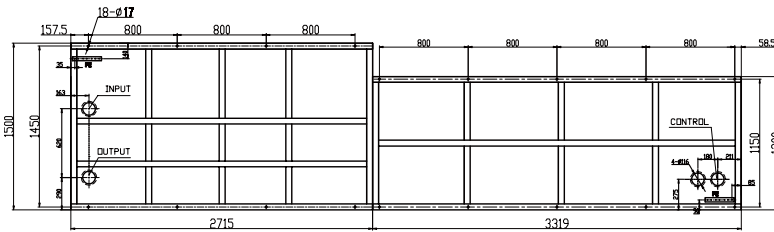
Output voltage 10 kV

ATV1200-A2600-1010●●S

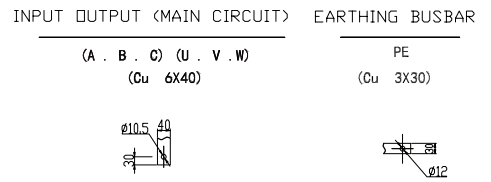
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

Technical data for output voltage 10 kV				
ATV1200	A2800-1010●●●	A3130-1010●●●	A3470-1010●●●	A3810-1010●●●
Nominal data				
Type rating [kVA]				
	2800	3130	3470	3810
Motor power [kW]				
	2341	2617	2901	3185
Continuous output current [A]				
With 120 % overload	162	181	200	220
With 150 % overload	129	145	160	176
Max. output current [A]				
1 min/10 min	194	217	240	264
Power cells				
Number of cells per phase				
	8	8	8	8
Characteristics				
Efficiency (incl. transformer) [%]				
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]				
Standard efficiency	≤ 94 <i>(incl. fan power)</i>	≤ 105 <i>(incl. fan power)</i>	≤ 116 <i>(incl. fan power)</i>	≤ 127 <i>(incl. fan power)</i>
High efficiency	≤ 82 <i>(incl. fan power)</i>	≤ 92 <i>(incl. fan power)</i>	≤ 102 <i>(incl. fan power)</i>	≤ 111 <i>(incl. fan power)</i>
Air flow [m³/h]				
Standard efficiency	26400	26400	26400	26400
High efficiency				
Sound pressure level [dB(A)]				
	≤ 80	≤ 80	≤ 80	≤ 80
Weight [kg]				
Standard efficiency	9100	9400	9900	10300
High efficiency				
Dimension[mm] W*D*H				
Standard efficiency	6870x1500x2670	6870x1500x2670	6870x1500x2670	6870x1500x2670
High efficiency				
Connection				
Incoming cable				
Type	standard symmetrical	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing	see drawing
Motor cable				
Type	3 core	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m	2000 m

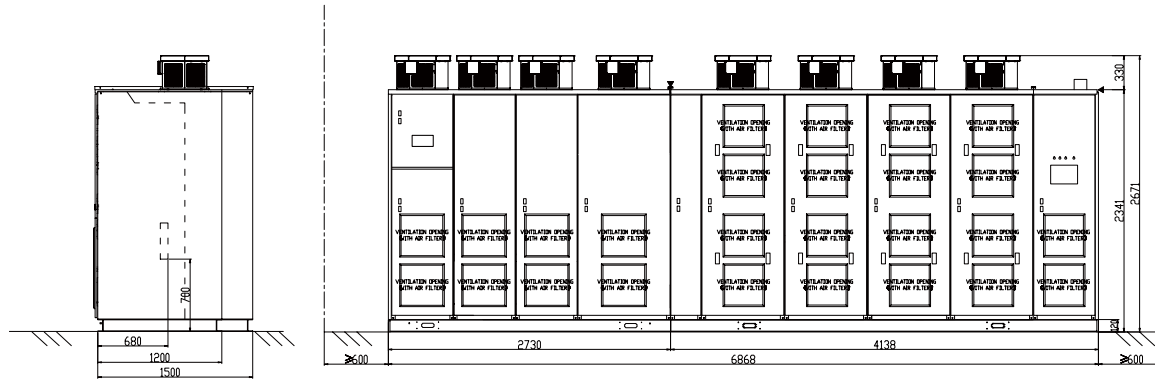
Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

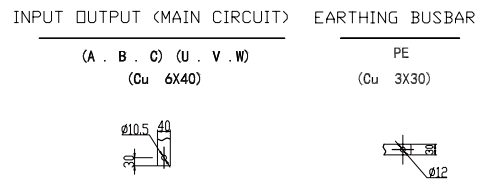
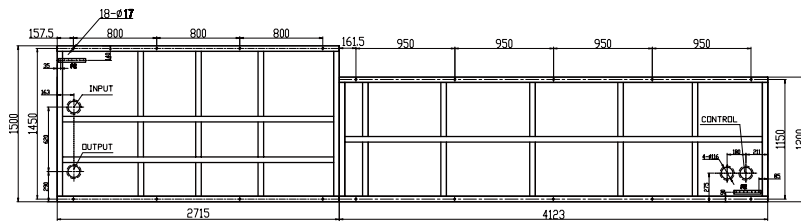
ATV1200-A2800-1010●●S ... A3810-1010●●S

Front view



Footprint

Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

Technical data for output voltage 10 kV		
ATV1200	A4440-1010●●●	A4850-1010●●●
Nominal data		
Type rating [kVA]		
	4440	4850
Motor power [kW]		
	3712	405
Continuous output current [A]		
With 120 % overload	256	280
With 150 % overload	205	224
Max. output current [A]		
1 min/10 min	308	336
Power cells		
Number of cells per phase		
	8	8
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]		
Standard efficiency	≤ 148 <i>(incl. fan power)</i>	≤ 162 <i>(incl. fan power)</i>
High efficiency	≤ 130 <i>(incl. fan power)</i>	≤ 142 <i>(incl. fan power)</i>
Air flow [m³/h]		
Standard efficiency	70000	70000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	11500	12000
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	7170x1600x3040	7170x1600x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

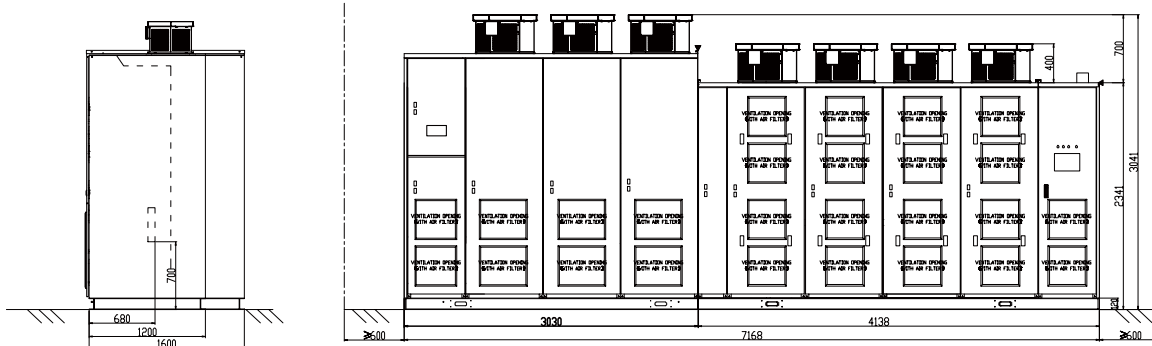
Altivar 1200

Medium Voltage Drive Systems

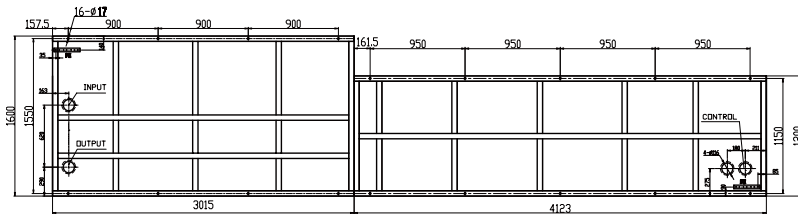
Output voltage 10 kV

ATV1200-A4440-1010●●S ... A4850-1010●●S

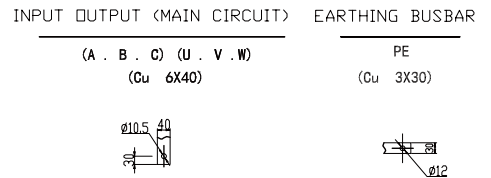
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

Technical data for output voltage 10 kV			
ATV1200	A5000-1010●●●	A5540-1010●●●	A6250-1010●●●
Nominal data			
Type rating [kVA]			
	5000	5540	6250
Motor power [kW]			
	4180	4631	5225
Continuous output current [A]			
With 120 % overload	289	320	361
With 150 % overload	231	256	289
Max. output current [A]			
1 min/10 min	346	384	433
Power cells			
Number of cells per phase			
	8	8	8
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>	≥ 96.5 <i>(incl. fan power)</i>
Total losses at 100% load [kW]			
Standard efficiency	≤ 163 <i>(incl. fan power)</i>	≤ 181 <i>(incl. fan power)</i>	≤ 204 <i>(incl. fan power)</i>
High efficiency	≤ 146 <i>(incl. fan power)</i>	≤ 162 <i>(incl. fan power)</i>	≤ 183 <i>(incl. fan power)</i>
Air flow [m³/h]			
Standard efficiency	56400	56400	56400
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	14800	15200	16700
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	9070x1600x3040	9070x1600x3040	9070x1600x3040
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

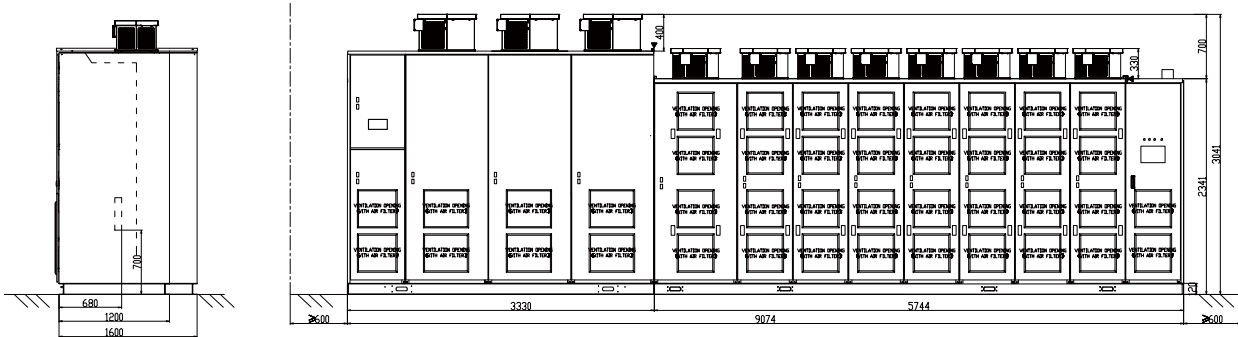
Altivar 1200

Medium Voltage Drive Systems

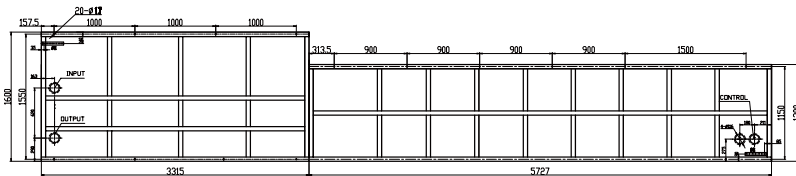
Output voltage 10 kV

ATV1200-A5000-1010●●S ... A6250-1010●●S

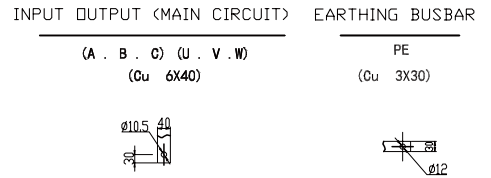
Front view



Footprint



Cable connection



Altivar 1200

Medium Voltage Drive Systems

Output voltage 10 kV

Technical data for output voltage 10 kV			
ATV1200	A7100-1010●●●	A7900-1010●●●	A8500-1010●●●
Nominal data			
Type rating [kVA]			
	7100	7900	8500
Motor power [kW]			
	5936	6604	7106
Continuous output current [A]			
With 120 % overload	410	456	490
With 150 % overload	328	365	392
Max. output current [A]			
1 min/10 min	492	547	588
Power cells			
Number of cells per phase			
	8	8	8
Characteristics			
Efficiency (incl. transformer) [%]			
Standard efficiency	≥ 96.2 <i>(incl. fan power)</i>	≥ 96.7 <i>(incl. fan power)</i>	≥ 96.8 <i>(incl. fan power)</i>
High efficiency	≥ 96.5 <i>(incl. fan power)</i>		
Total losses at 100% load [kW]			
Standard efficiency	≤ 226 <i>(incl. fan power)</i>	≤ 218 <i>(incl. fan power)</i>	≤ 227 <i>(incl. fan power)</i>
High efficiency	≤ 208 <i>(incl. fan power)</i>		
Air flow [m³/h]			
Standard efficiency	66400	110000	110000
High efficiency			
Sound pressure level [dB(A)]			
	≤ 80	≤ 80	≤ 80
Weight [kg]			
Standard efficiency	18300	20100	20100
High efficiency			
Dimension[mm] W*D*H			
Standard efficiency	9370x1700x3040	9370x1700x3040	9370x1700x3040
High efficiency			
Connection			
Incoming cable			
Type	standard symmetrical	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing	see drawing
Motor cable			
Type	3 core	3 core	3 core
Max. size	see drawing	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m	2000 m

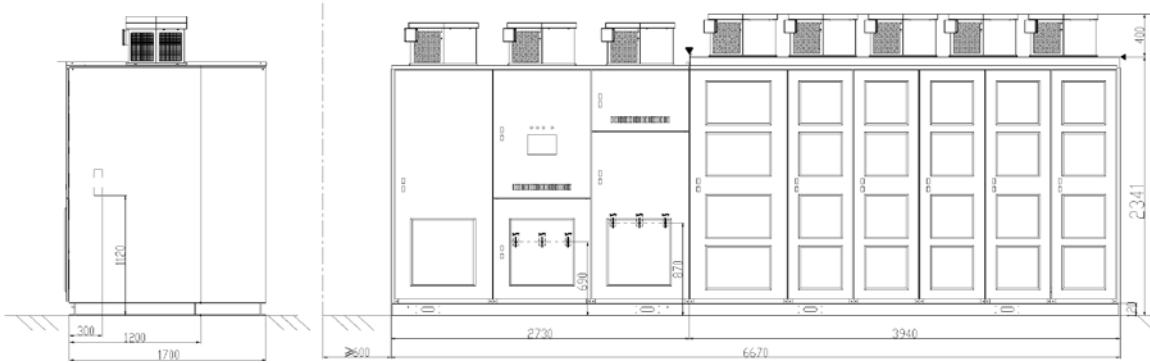
Altivar 1200

Medium Voltage Drive Systems

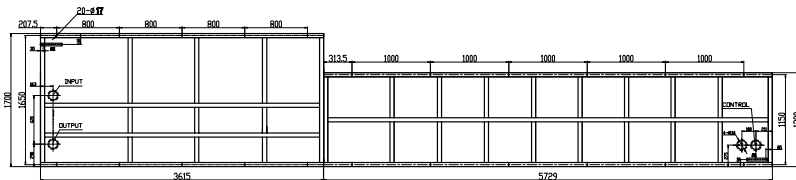
Output voltage 10 kV

ATV1200-A7100-1010●●S ... A8500-1010●●S

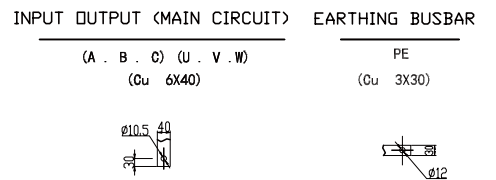
Front view



Footprint



Cable connection



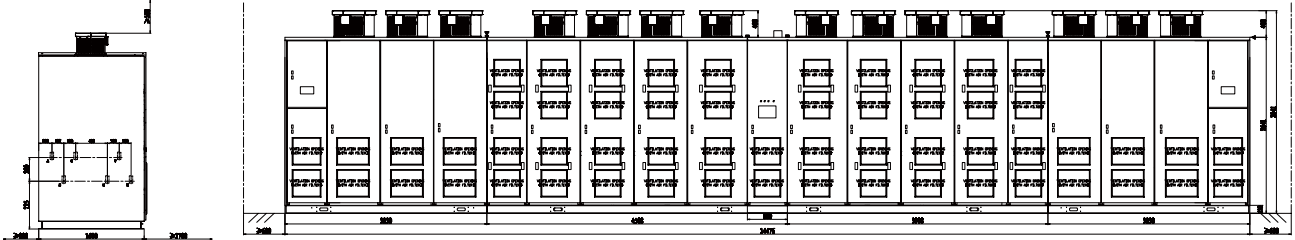
Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

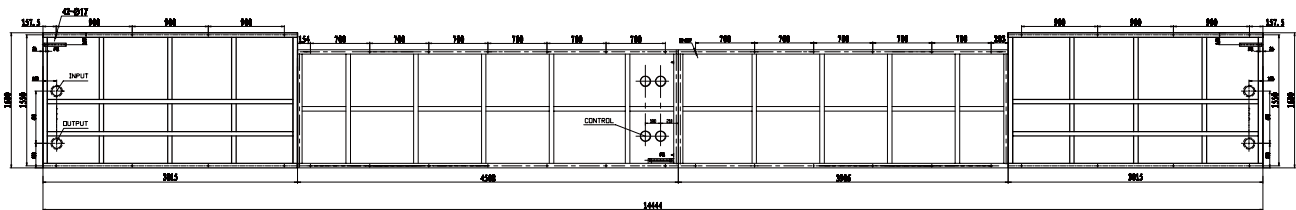
Technical data for output voltage 10 kV		
ATV1200	A9530–1010●●●	A10600–1010●●●
Nominal data		
Type rating [kVA]		
	9530	10600
Motor power [kW]		
	7967	8862
Continuous output current [A]		
With 120 % overload	550	612
With 150 % overload	440	490
Max. output current [A]		
1 min/10 min	660	734
Power cells		
Number of cells per phase		
	8	8
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency		
Total losses at 100% load [kW]		
Standard efficiency	≤ 319 <i>(incl. fan power)</i>	≤ 346 <i>(incl. fan power)</i>
High efficiency		
Air flow [m³/h]		
Standard efficiency	140000	140000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	26200	26700
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	14480x1600x3040	14480x1600x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

ATV1200-A9530-1010●●S ... A10600-1010●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT) EARTHING BUSBAR

(A . B . C) (U . V . W)
(Cu 6X60)

PE
(Cu 3X30)



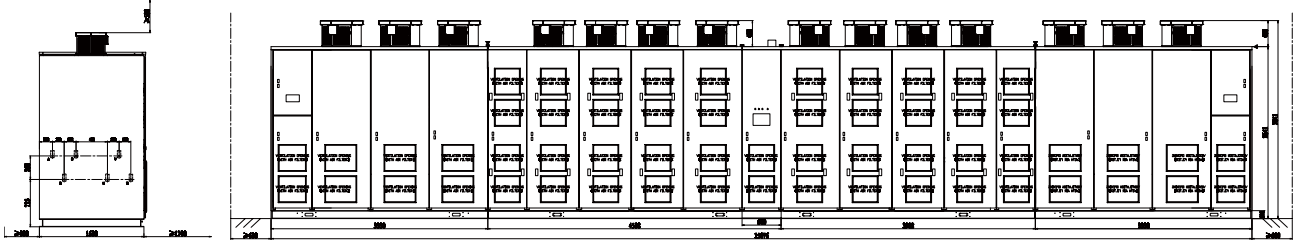
Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

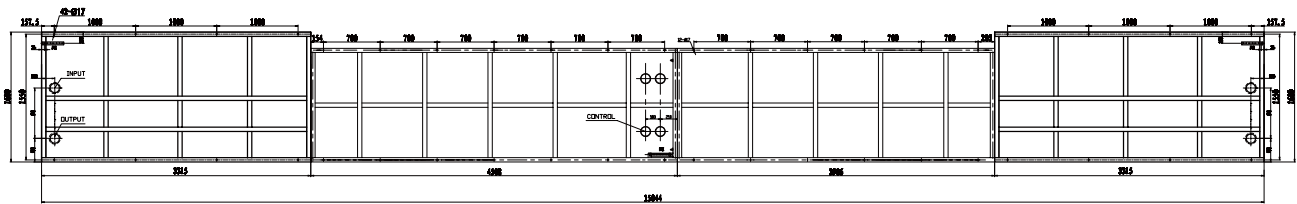
Technical data for output voltage 10 kV		
ATV1200	A11500-1010●●●	A12500-1010●●●
Nominal data		
Type rating [kVA]		
	11500	12500
Motor power [kW]		
	9614	10450
Continuous output current [A]		
With 120 % overload	664	720
With 150 % overload	531	576
Max. output current [A]		
1 min/10 min	797	864
Power cells		
Number of cells per phase		
	8	8
Characteristics		
Efficiency (incl. transformer) [%]		
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>	≥ 96.1 <i>(incl. fan power)</i>
High efficiency		
Total losses at 100% load [kW]		
Standard efficiency	≤ 375 <i>(incl. fan power)</i>	≤ 408 <i>(incl. fan power)</i>
High efficiency		
Air flow [m³/h]		
Standard efficiency	140000	140000
High efficiency		
Sound pressure level [dB(A)]		
	≤ 80	≤ 80
Weight [kg]		
Standard efficiency	28400	30400
High efficiency		
Dimension[mm] W*D*H		
Standard efficiency	15080x1600x3040	15080x1600x3040
High efficiency		
Connection		
Incoming cable		
Type	standard symmetrical	standard symmetrical
Max. size	see drawing	see drawing
Motor cable		
Type	3 core	3 core
Max. size	see drawing	see drawing
Max. length (without filter)	2000 m	2000 m

ATV1200-A11500-1010●●S ... A12500-1010●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT) EARTHING BUSBAR

(A . B . C) (U . V . W)
(Cu 6X60)

PE
(Cu 3X30)



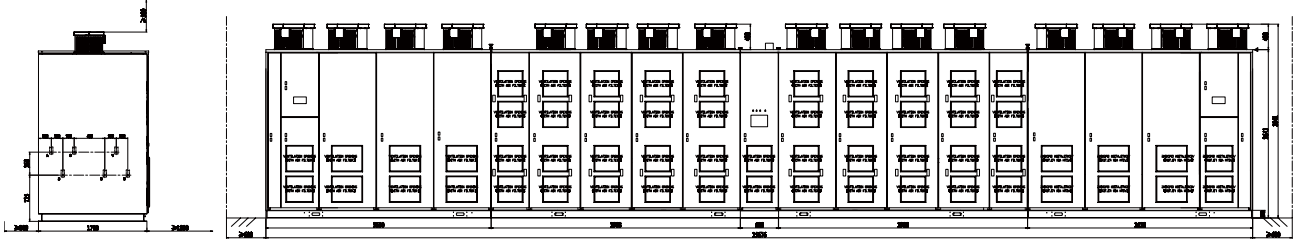
Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

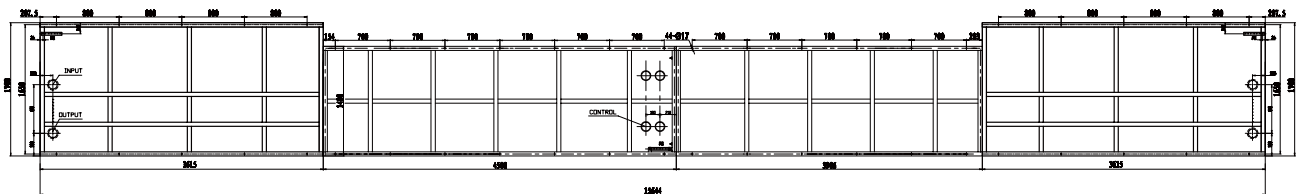
Technical data for output voltage 10 kV	
ATV1200	A13500-1010●●●
Nominal data	
Type rating [kVA]	
	13500
Motor power [kW]	
	11286
Continuous output current [A]	
With 120 % overload	779
With 150 % overload	624
Max. output current [A]	
1 min/10 min	935
Power cells	
Number of cells per phase	
	8
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.1 <i>(incl. fan power)</i>
High efficiency	
Total losses at 100% load [kW]	
Standard efficiency	≤ 440 <i>(incl. fan power)</i>
High efficiency	
Air flow [m³/h]	
Standard efficiency	160000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	32000
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	15380x1700x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A13500-1010●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT) EARTHING BUSBAR

(A . B . C) (U . V . W)
(Cu 6X60)

PE
(Cu 3X30)



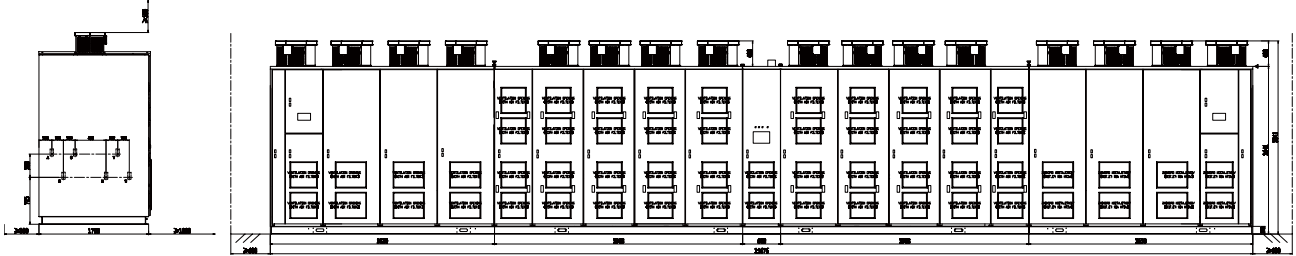
Altivar 1200

Medium Voltage Drive Systems
Output voltage 10 kV

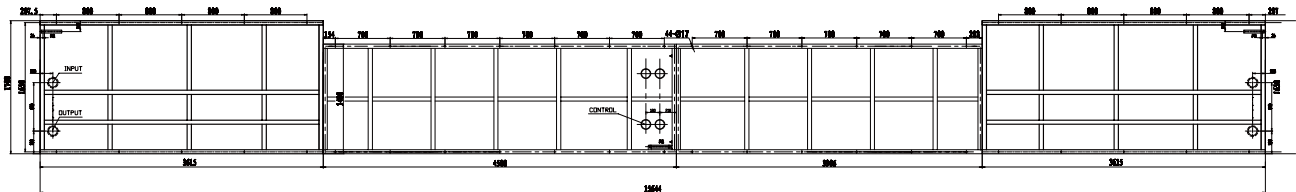
Technical data for output voltage 10 kV	
ATV1200	A14750-1010...
Nominal data	
Type rating [kVA]	
	14750
Motor power [kW]	
	12331
Continuous output current [A]	
With 120 % overload	850
With 150 % overload	680
Max. output current [A]	
1 min/10 min	1020
Power cells	
Number of cells per phase	
	8
Characteristics	
Efficiency (incl. transformer) [%]	
Standard efficiency	≥ 96.3 <i>(incl. fan power)</i>
High efficiency	
Total losses at 100% load [kW]	
Standard efficiency	≤ 456 <i>(incl. fan power)</i>
High efficiency	
Air flow [m³/h]	
Standard efficiency	160000
High efficiency	
Sound pressure level [dB(A)]	
	≤ 80
Weight [kg]	
Standard efficiency	37400
High efficiency	
Dimension[mm] W*D*H	
Standard efficiency	15380x1700x3040
High efficiency	
Connection	
Incoming cable	
Type	standard symmetrical
Max. size	see drawing
Motor cable	
Type	3 core
Max. size	see drawing
Max. length (without filter)	2000 m

ATV1200-A14750-1010●●S

Front view



Footprint



Cable connection

INPUT OUTPUT (MAIN CIRCUIT) EARTHING BUSBAR

(A . B . C) (U . V . W)
(Cu 6X60)

PE
(Cu 3X30)



 Make the most of your energy