



Version 2026

Servo System



NINGBO HAITIAN DRIVE SYSTEMS CO.,LTD.

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2026V01



PROFILE

About Haitian Drive

Ningbo Haitian Drive Co., Ltd. was founded in 2005. As one of the six pillar industries of Haitian Group, it makes full use of the group's platform advantages and deeply engages in three core fields: industrial automation, non-road mobile machinery, and industrial hydraulics. Its product portfolio is rich and complete, covering core components such as servo motors, servo drives, high-performance controllers, hydraulic motors, hydraulic pumps, hydraulic valves, hydraulic systems, servo manipulators, magnetic templates, and linear guide pairs.

Haitian Drive accurately grasps the intelligent upgrading trend of the manufacturing industry and the electrification demand of non-road mobile machinery. Leveraging the integrated advantages of a comprehensive product range and independent R&D and manufacturing, it provides partners with efficient, energy-saving, and precise core components, as well as mechatronics integration solutions, and continuously helps the equipment manufacturing industry move toward green and digital development.

Haitian Drive: Drive Your Excellence

Drive Your Products:

Enhance the efficiency and performance of users' products through efficient and energy-saving servo control systems, stable and precise functional components, and flexible high-power-density hydraulic motors.

Drive Your Equipment:

As a professional electric drive system supplier, we provide intelligent and electrified solutions for non-road mobile machinery, helping products develop in a green, efficient, and intelligent manner, and supporting the realization of the country's carbon peak and carbon neutrality goals.

Drive Your Production:

As a professional manufacturer of servo manipulators and electrically controlled permanent magnet products, we provide automation solutions for mechanical equipment peripherals and build stable, efficient, and flexible intelligent production lines.



BRAND

Domestic Professional Servo System Supplier

Haitian Drive is committed to becoming a professional high-end servo system manufacturer, providing customers with efficient, stable, and precise energy-saving power products. Currently, the annual production capacity of the company's medium and high-power servo systems exceeds 200,000 sets, and the total supply has exceeded 1.5 million sets to date. Its technical level and manufacturing strength lead domestically.

Technical and R&D Strength

The servo drives produced by the company cover a power range of 5.5kW-355kW. The rated power of AC permanent magnet servo motors covers 0.4kW-500kW, the rated torque covers 2.2Nm-500,000Nm, and the rated speed covers 10rpm-20,000rpm. Currently, the full range of servo systems has been widely used in fields such as injection molding, die casting, aluminum profile extrusion, hydraulic pressure, metallurgy, and rubber.

Production Equipment



Automatic Production Line for Imported Stators



Rotor Module Automatic Production Line

The main plant of Haitian Drive servo products was put into operation in July 2015. It covers an area of 21,000 square meters and adopts the currently leading manufacturing technology and equipment in China. The annual output of motors reaches 180,000 units, the annual output of drivers reaches 90,000 units, and the number of employees exceeds 1,000.



Robot Automatic Spray Painting Line



Epoxy Resin Vacuum Casting Automatic Production Line



Vacuum Impregnation Line



Robot Housing Hot Fitting Assembly Line

Introduction to Haitian Drive Servo System

Haitian Drive Systems, a domestic manufacturer with independent intellectual property rights, successfully developed China's first hydraulic servo system in 2004, which was soon applied in the injection molding machine industry. The company has consistently provided top-tier servo system solutions across various fields, including electro-hydraulic servo, electric servo, and precision motion control. With a diverse and flexible portfolio of components such as servo motors, drivers, and oil pumps, Haitian Drive caters to diverse needs ranging from cost-effective solutions to high-performance models, cost-efficient options, and customized professional systems.

Servo System Features

【 Specifications are complete 】

The fully self-developed servo system covers a full range of product specifications and models with natural cooling, air cooling and liquid cooling, and covers the power range from 0.4kw to 355kw, which can meet the customer needs under different working conditions.

1

【 Specialization 】

We can provide customers with customized full range of high performance servo systems with label, embedded and permanent magnet reluctance. It has been widely used in traditional hydraulic injection molding machine, punch press, die casting machine, aluminum profile extruder, hydraulic press and other industries.

2

【 Stable and reliable 】

Intelligent factories can meet the market supply of more than 120,000 sets of medium and large servo systems, and more than 20 years of industry service experience guarantees the stable and reliable quality of Haitian servo products.

3

Servo System



【 Flexible selection 】

Standard CAN, with optional **EtherCAT**, PROFINET, MODBUS TCP/RTU/ASCII and other mainstream industrial communication protocols.

4

【 Networking 】

The servo system provided by our company can support remote monitoring, remote debugging and remote control and other comprehensive remote service functions.

5

【 Outstanding performance 】

Optimized current loop and speed loop control characteristics to support higher performance requirements (pressure accuracy, position accuracy, etc.)

6

Industry Application Examples

Electro-hydraulic



Injection Molding Machine

The servo power system dedicated to injection molding machines has a power coverage range of 5.5-160kW and supports multiple system pressure specifications such as 14MPa, 17.5MPa, and 21MPa. The significant improvement in equipment system pressure (up to over 20MPa), abundant bus interfaces, and optimized control scheme enable the entire system to achieve faster speed, higher precision, and more reliable and stable performance. The system can meet the performance requirements of different types of injection molding machines, including high-speed machines (injection acceleration >0.5g; acceleration time from 0-2000rpm under no-load condition is 25ms; acceleration time from 450-2000rpm under load condition can reach 50ms), all-electric injection molding machines, and hybrid electric-hydraulic ones (full-series electric preplasticization servo power systems).



Aluminum Extruder

For the aluminum extruder industry, a hydraulic servo power system with high system pressure, high efficiency, low cost, high standardization, high pollution resistance, low noise, and high reliability is launched. It is composed of high-pressure internal gear pumps, high-performance embedded servo motors, and a full range of liquid-cooled / air-cooled high-power servo drives. This system enables the extruder equipment to operate more efficiently (with production and efficiency increased by 5%-15%), be more energy-saving (with an energy-saving rate of up to over 30%), and significantly reduce equipment operation noise and aluminum scrap rate, etc. Haitian Drive's highly standardized configuration scheme can greatly shorten the delivery cycle and improve the after-sales service response speed, providing strong support for equipment manufacturers and users. It is currently the best system solution in China.



Die Casting Machine

For the die casting machine industry with relatively harsh working conditions and relatively high ambient temperature, we can provide liquid-cooled embedded servo motors dedicated to die casting machines with frame sizes ranging from 130mm to 445mm (10-3000N·m). The products cover liquid-cooled servo motors with different structural forms such as flat key, spline, single output shaft and double output shaft. The embedded structure greatly improves the motor's field-weakening overspeed performance, demagnetization resistance and overload characteristics (the short-term overload can reach up to 3 times below 80% of the rated speed), ensuring the die casting machine has advantages of high efficiency, high precision, high response and high reliability during operation.



Hydraulic Press

For the hydraulic press industry, a complete system-level solution can be provided, including a customizable human-machine interface (HMI), a special motion controller for hydraulic presses and expansion modules, high-performance feedback components for hydraulic servo power systems, and a remote Internet of Things (IoT) system. It can achieve a pressure control accuracy of 1 bar and a position control accuracy of 0.05 mm on different types of hydraulic press equipment, and supports multiple pressing modes (such as thin plate stamping, drawing, reverse drawing, and precision stamping). Through Haitian Drive's IoT system, remote services such as remote equipment monitoring, remote data collection and analysis, and remote maintenance can be realized simultaneously. Currently, it serves many large domestic hydraulic press equipment manufacturers and users, and has been unanimously recognized in the industry.

Servo Press



Servo Press

For the press industry, a complete system-level solution can be provided, including a customizable human-machine interface (HMI), a special motion controller for presses and expansion modules, a high-performance electric drive servo power system, feedback components, and a remote Internet of Things (IoT) system. Compared with the power system solution of traditional ordinary presses, Haitian Drive's system can significantly reduce equipment operation impact, lower equipment operation noise, improve equipment production efficiency, and reduce energy consumption. Through various forming curves (blanking, pressure holding, vibration, embossing, etc.) planned by Haitian Drive's servo press system, it greatly improves production efficiency while enhancing the quality of finished products.

New energy vehicle motor



New Energy Vehicle Motor

For the extended-range new energy vehicle industry, an extended-range starter-generator is launched. It perfectly matches the engine in terms of electrical and mechanical aspects, featuring high efficiency and lightweight design. With a peak efficiency of over 96% and a high-efficiency zone accounting for more than 80%, it has first-class continuous output power density and peak power density in the industry. The product is supported by invention patent technology and has a process structure design suitable for automated production. Through professional and systematic product development verification and quality control, it has excellent product quality and service life. It provides an efficient, energy-saving, high-comfort, compact and aesthetically pleasing starter-generator system for matching vehicle models.

Non-road mobile machinery



Permanent Magnet Power System (Permanent Magnet Motor + Driver + Vehicle Controller)

We can provide system solutions for the off-road mobile machinery industry and carry out in-depth product customization and application scheme output according to customers' functional requirements. Our company has a professional design and development team for permanent magnet motors and electronic control, as well as complete testing equipment and testing sites, which can perform in-depth matching of permanent magnet motors and electronic control to ensure that the permanent magnet power system features high efficiency and energy saving. At the same time, according to the characteristics of various off-road mobile machinery products, we have equipped senior application engineers to provide unique product consultation and product application services. Currently, our permanent magnet power system has been applied to products such as stackers, pallet trucks, counterbalance forklifts, and loaders, and has been recognized by many domestic main engine manufacturers in the off-road mobile machinery industry.

Servo Motor

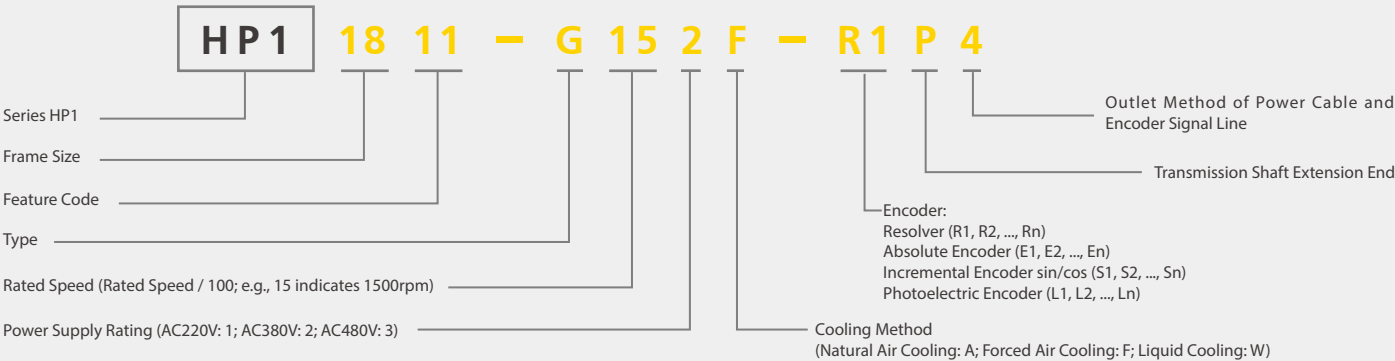


Product Features

Haitian Drive's servo motors have completely independent intellectual property rights, featuring high efficiency, high response, and high precision. The products are rich and diverse, capable of meeting different needs of various industries such as power output, precise positioning, fast response, and energy saving. Customized special motors can be made according to customer requirements. They can be widely applied in servo motion control, air compressors, new energy, and other scenarios. The product features are as follows:

- > Rich and diverse products, with frame sizes covering 13, 18, 20, 25, 29, 30, and 45, including natural cooling, air cooling, and liquid cooling;
- > Adopt imported bearings, high-performance silicon steel sheets, high-performance magnetic steel, high-temperature-resistant enamelled wire, and high-precision feedback components;
- > Patented technology of embedded structure reduces rotor eddy current and temperature, improves the high-speed reliability of the rotor, and has strong field-weakening overspeed and demagnetization resistance capabilities;
- > Small cogging torque and torque ripple, with high control precision;
- > Short-term overload of 2.3~3.0 times below 80% of the rated speed, and short-term overload of 1.6~2.0 times at the rated speed;
- > Can operate at an overspeed of more than 2 times the rated speed;
- > High efficiency and a wide high-efficiency zone;
- > Large torque-inertia ratio, fast response speed, and strong rigidity (no-load acceleration time from 0~2000rpm is 10~20ms);
- > Patented technology of integrated air-cooled casing, with high heat dissipation efficiency and a compact and aesthetically pleasing structure;
- > Lean production and comprehensive quality control ensure excellent product quality and long service life.

Model Ordering Code



Technical Patameter and Dimension List

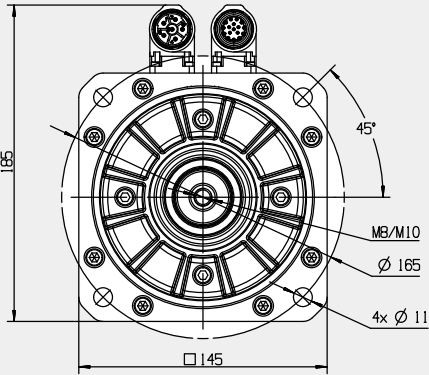
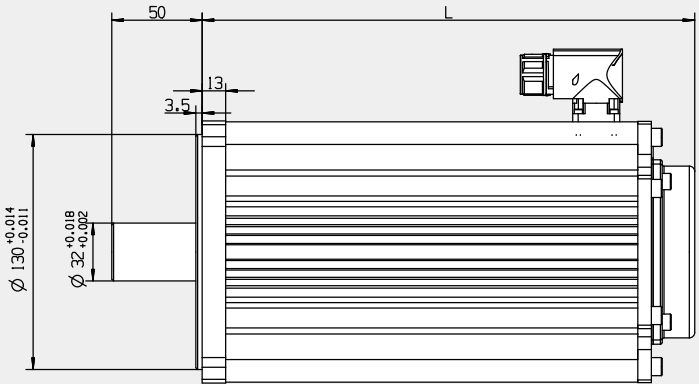
HSJ13

Model	Rated Torque (Nm)	Rated Current (A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Back EMK (V)	Voltage Class (V)	Rated Frequency f(Hz)	Inertia J(kg.m ² .10 ⁻³)	Mass (kg)
HSJ1306152X	10.8	3.3	3.27	1.7	1500	352	380	125	1.55	10.07
HSJ1309152X	16.2	4.9	3.31	2.5	1500	358	380	125	2.23	12.62
HSJ1312152X	21.6	6.5	3.32	3.4	1500	355	380	125	2.92	15.17
HSJ1315152X	27	8.3	3.25	4.2	1500	350	380	125	3.63	17.72
HSJ1318152X	32.4	9.8	3.31	5.1	1500	358	380	125	4.32	20.27
HSJ1321152X	37.8	11.4	3.32	5.9	1500	358	380	125	5.05	22.82
HSJ1324152X	43.2	12.6	3.43	6.8	1500	354	380	125	5.72	25.37
HSJ1306202X	10.8	4.2	2.57	2.3	2000	354	380	166.7	1.55	10.07
HSJ1309202X	16.2	6.5	2.49	3.4	2000	354	380	166.7	2.23	12.62
HSJ1312202X	21.6	8.4	2.57	4.5	2000	354	380	166.7	2.92	15.17
HSJ1315202X	27	11.0	2.45	5.7	2000	340	380	166.7	3.63	17.72
HSJ1318202X	32.4	12.6	2.57	6.8	2000	354	380	166.7	4.32	20.27
HSJ1321202X	37.8	15.0	2.52	7.9	2000	365	380	166.7	5.05	22.82
HSJ1324202X	43.2	17.2	2.51	9.0	2000	363	380	166.7	5.72	25.37
HSJ1306302X	8	4.7	1.70	2.5	3000	355	380	250	1.55	10.07
HSJ1309302X	12	7	1.71	3.8	3000	358	380	250	2.23	12.62
HSJ1312302X	16	9.4	1.70	5.0	3000	355	380	250	2.92	15.17
HSJ1315302X	20	11.8	1.69	6.3	3000	341	380	250	3.63	17.72
HSJ1318302X	24	14	1.71	7.5	3000	348	380	250	4.32	20.27
HSJ1321302X	28	16.4	1.71	8.8	3000	358	380	250	5.05	22.82
HSJ1324302X	32	18.8	1.70	10.1	3000	354	380	250	5.72	25.37

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 8kHz



Motor Model	HSJ1306	HSJ1309	HSJ1312	HSJ1315	HSJ1318	HSJ1321	HSJ1324
L	173	198	223	248	273	298	323

Technical Patameter and Dimension List

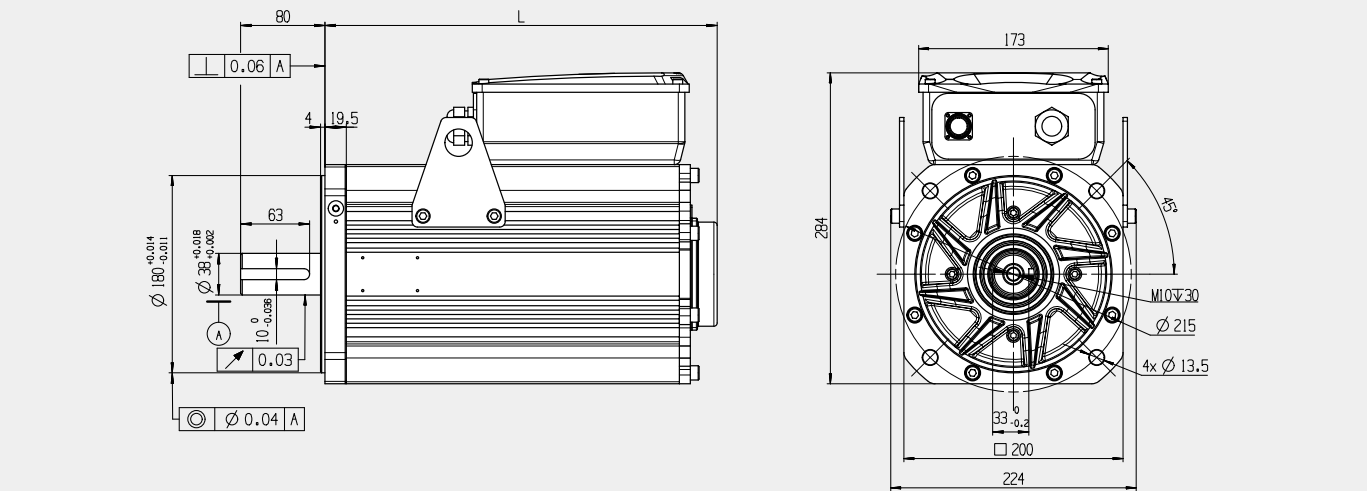
HP118/Z-A

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP11802-Z152A-□□□□	24	7.1	3.38	3.8	1500	100	380	323	7.8	28
HP11803-Z152A-□□□□	36	10.7	3.38	5.7	1500	100	380	323	11.1	33
HP11804-Z152A-□□□□	48	14.2	3.37	7.5	1500	100	380	323	14.1	38
HP11805-Z152A-□□□□	60	17.6	3.40	9.4	1500	100	380	327	17.2	43
HP11806-Z152A-□□□□	72	21.4	3.37	11.3	1500	100	380	323	20.4	48
HP11807-Z152A-□□□□	84	25.0	3.36	13.2	1500	100	380	323	23.6	53
HP11808-Z152A-□□□□	96	28.5	3.36	15.1	1500	100	380	323	27	58
HP11809-Z152A-□□□□	108	31.8	3.40	17.0	1500	100	380	329	30.1	63
HP11810-Z152A-□□□□	120	35.7	3.36	18.8	1500	100	380	327	33.2	68
HP11802-Q182A-□□□□	24	8.1	2.96	4.5	1800	120	380	333	7.8	28
HP11803-Q182A-□□□□	36	12.2	2.96	6.8	1800	120	380	333	11.1	33
HP11804-Q182A-□□□□	48	16.2	2.96	9.0	1800	120	380	333	14.1	38
HP11805-Z182A-□□□□	60	21.0	2.85	11.3	1800	120	380	323	17.2	43
HP11806-Q182A-□□□□	72	24.3	2.96	13.6	1800	120	380	333	20.4	48
HP11807-Z182A-□□□□	84	29.6	2.84	15.8	1800	120	380	323	23.6	53
HP11808-Q182A-□□□□	96	33	2.93	18.1	1800	120	380	333	27	58
HP11809-Q182A-□□□□	108	37.1	2.91	20.4	1800	120	380	333	30.1	63
HP11810-Z182A-□□□□	120	42	2.83	22.6	1800	120	380	323	33.2	68
HP11802-Z202A-□□□□	24	9.2	2.61	5.0	2000	133.3	380	329	7.8	28
HP11803-Z202A-□□□□	36	14.0	2.57	7.5	2000	133.3	380	323	11.1	33
HP11804-Z202A-□□□□	48	18.5	2.60	10.1	2000	133.3	380	329	14.1	38
HP11805-Q202A-□□□□	60	22.9	2.62	12.6	2000	133.3	380	334	17.2	43
HP11806-Z202A-□□□□	72	28.1	2.56	15.1	2000	133.3	380	323	20.4	48
HP11807-Z202A-□□□□	84	32.8	2.56	17.6	2000	133.3	380	323	23.6	53
HP11808-Z202A-□□□□	96	37.3	2.57	20.1	2000	133.3	380	329	27	58
HP11809-Z202A-□□□□	108	42.5	2.54	22.6	2000	133.3	380	323	30.1	63
HP11810-Q202A-□□□□	120	46.5	2.58	25.1	2000	133.3	380	334	33.2	68

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 8kHz



Motor Model	HP11802	HP11803	HP11804	HP11805	HP11806	HP11807	HP11808	HP11809	HP11810
L	250	286	302	331	358	394	430	448	478

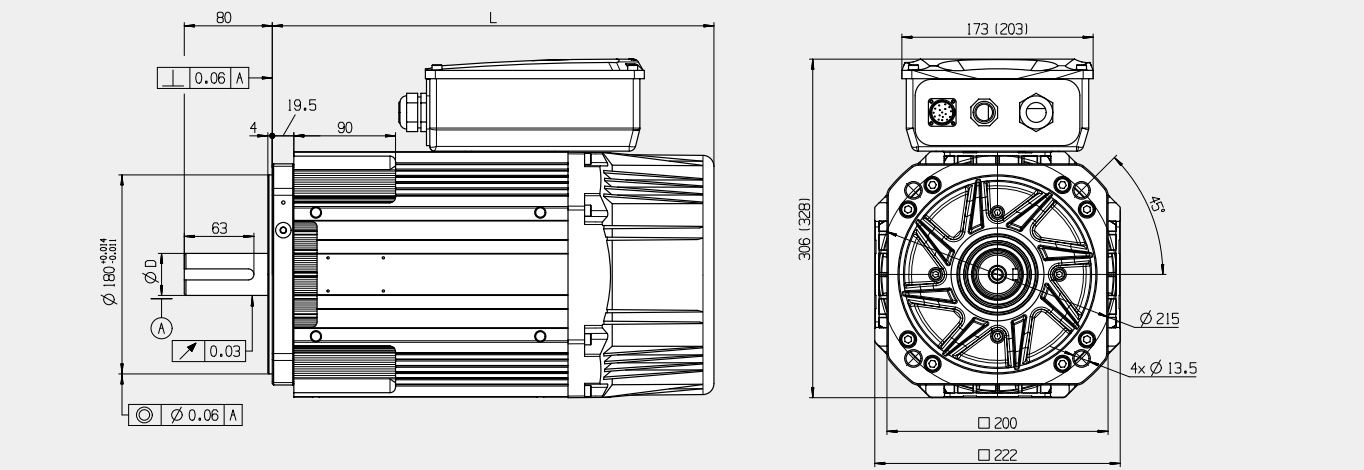
HP118/Z-F

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP11802-Z152F-□□□□	40	11.7	3.42	6.3	1500	100	380	323	7.8	31
HP11803-Z152F-□□□□	60	17.6	3.41	9.4	1500	100	380	323	11.1	36
HP11804-Z152F-□□□□	80	23.5	3.40	12.6	1500	100	380	323	14.1	42
HP11805-Z152F-□□□□	100	29.1	3.44	15.7	1500	100	380	327	17.2	48
HP11806-Z152F-□□□□	120	35.3	3.40	18.8	1500	100	380	323	20.4	54
HP11807-Z152F-□□□□	140	41.2	3.40	22.0	1500	100	380	323	23.6	60
HP11808-Z152F-□□□□	160	47.1	3.40	25.1	1500	100	380	323	27	66
HP11809-Z152F-□□□□	180	52.4	3.44	28.3	1500	100	380	329	30.1	72
HP11810-Z152F-□□□□	200	58.9	3.40	31.4	1500	100	380	327	33.2	78
HP11811-Q152F-□□□□	220	62.7	3.51	34.6	1500	100	380	339	36.4	84
HP11812-Z152F-□□□□	240	70.6	3.40	37.7	1500	100	380	323	39.5	90
HP11802-Q182F-□□□□	40	13.4	2.99	7.5	1800	120	380	333	7.8	31
HP11803-Q182F-□□□□	60	20.1	2.99	11.3	1800	120	380	333	11.1	36
HP11804-Q182F-□□□□	80	26.8	2.99	15.1	1800	120	380	333	14.1	42
HP11805-Z182F-□□□□	100	34.7	2.88	18.8	1800	120	380	323	17.2	48
HP11806-Q182F-□□□□	120	40.1	2.99	22.6	1800	120	380	333	20.4	54
HP11807-Z182F-□□□□	140	48.8	2.87	26.4	1800	120	380	323	23.6	60
HP11808-Q182F-□□□□	160	54	2.96	30.2	1800	120	380	333	27	66
HP11809-Q182F-□□□□	180	61.2	2.94	33.9	1800	120	380	333	30.1	72
HP11810-Z182F-□□□□	200	70	2.86	37.7	1800	120	380	323	33.2	78
HP11811-Z182F-□□□□	220	75.2	2.93	41.5	1800	120	380	330	36.4	84
HP11812-Q182F-□□□□	240	81.4	2.95	45.2	1800	120	380	333	39.5	90
HP11802-Z202F-□□□□	40	15.2	2.63	8.4	2000	133.3	380	329	7.8	31
HP11803-Z202F-□□□□	60	23.1	2.60	12.6	2000	133.3	380	323	11.1	36
HP11804-Z202F-□□□□	80	30.5	2.62	16.8	2000	133.3	380	329	14.1	42
HP11805-Q202F-□□□□	100	37.8	2.65	20.9	2000	133.3	380	334	17.2	48
HP11806-Z202F-□□□□	120	46.4	2.59	25.1	2000	133.3	380	323	20.4	54
HP11807-Z202F-□□□□	140	54.2	2.58	29.3	2000	133.3	380	323	23.6	60
HP11808-Z202F-□□□□	160	61.6	2.60	33.5	2000	133.3	380	329	27	66
HP11809-Z202F-□□□□	180	70.1	2.57	37.7	2000	133.3	380	323	30.1	72
HP11810-Q202F-□□□□	200	76.8	2.60	41.9	2000	133.3	380	334	33.2	78
HP11811-Q202F-□□□□	220	84.1	2.62	46.1	2000	133.3	380	339	36.4	84
HP11812-Q202F-□□□□	240	91.6	2.62	50.3	2000	133.3	380	339	39.5	90

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP11802	HP11803	HP11804	HP11805	HP11806	HP11807	HP11808	HP11809	HP11810	HP11811	HP11812
L	348	384	400	429	456	492	528	546	576	606	636
D	38k6	38k6	38k6	38k6	38k6	38k6	38k6	38k6	38k6	42k6	42k6
Shaft Key Size	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C12×63	C12×63

Technical Patameter and Dimension List

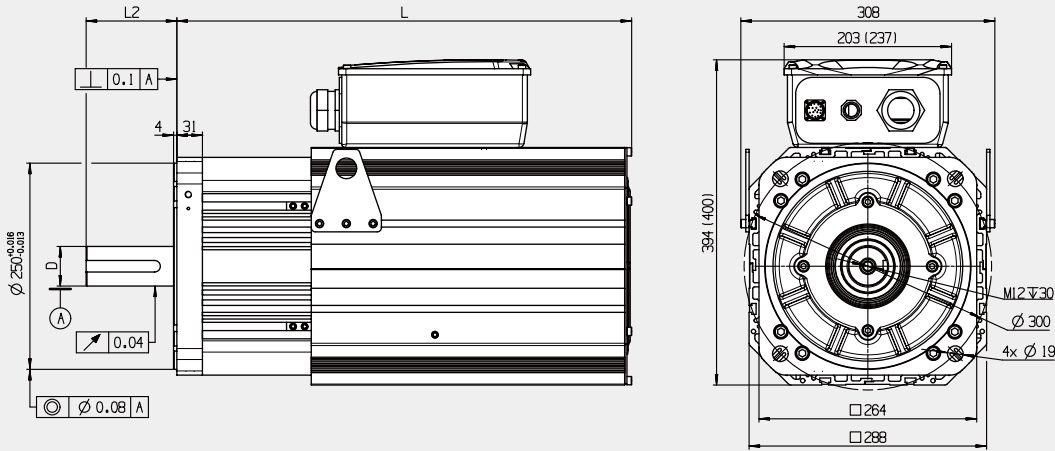
HP125-F

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP12513-H152F- □□□□	171	49	3.53	26.9	1500	100	380	313	34.3	91
HP12517-H152F- □□□□	228	65	3.51	35.8	1500	100	380	325	44.1	104
HP12521-H152F- □□□□	285	81	3.52	44.8	1500	100	380	319	53.7	115
HP12525-H152F- □□□□	342	96	3.56	53.7	1500	100	380	330	63.3	126
HP12529-H152F- □□□□	399	111	3.58	62.7	1500	100	380	325	73.1	137
HP12533-H152F- □□□□	456	127	3.58	71.6	1500	100	380	325	82.7	151
HP12538-H152F- □□□□	513	146	3.51	80.6	1500	100	380	313	93.4	170
HP12542-H152F- □□□□	570	160	3.56	89.5	1500	100	380	319	101.9	188
HP12546-H152F- □□□□	627	176	3.56	98.5	1500	100	380	319	111.3	206
HP12550-H152F- □□□□	684	196	3.50	107.4	1500	100	380	313	120.7	215
HP12555-N152F- □□□□	741	201	3.69	116.4	1500	100	380	339	130.3	225
HP12513-N182F- □□□□	168	55	3.05	31.7	1800	120	380	334	34.3	91
HP12517-N182F- □□□□	224	74	3.03	42.2	1800	120	380	334	44.1	104
HP12521-H182F- □□□□	280	92	3.03	52.8	1800	120	380	330	53.7	115
HP12525-H182F- □□□□	336	115	2.92	63.3	1800	120	380	313	63.3	126
HP12529-H182F- □□□□	392	134	2.93	73.9	1800	120	380	317	73.1	137
HP12533-N182F- □□□□	448	147	3.05	84.4	1800	120	380	334	82.7	151
HP12538-H182F- □□□□	504	172	2.93	95.0	1800	120	380	313	93.4	170
HP12542-H182F- □□□□	560	192	2.91	105.5	1800	120	380	313	101.9	188
HP12546-N182F- □□□□	616	198	3.11	116.1	1800	120	380	345	111.3	206
HP12550-N182F- □□□□	672	218	3.08	126.7	1800	120	380	334	120.7	215
HP12555-H182F- □□□□	728	246	2.96	137.2	1800	120	380	316	130.3	225
HP12513-H202F- □□□□	166.5	62	2.69	34.9	2000	133.3	380	325	34.3	91
HP12517-N202F- □□□□	222	80	2.78	46.5	2000	133.3	380	340	44.1	104
HP12521-H202F- □□□□	277.5	102	2.71	58.1	2000	133.3	380	328	53.7	115
HP12525-H202F- □□□□	333	129	2.58	69.7	2000	133.3	380	325	63.3	126
HP12529-H202F- □□□□	388.5	143	2.72	81.4	2000	133.3	380	325	73.1	137
HP12533-N202F- □□□□	444	159	2.79	93.0	2000	133.3	380	340	82.7	151
HP12538-H202F- □□□□	499.5	190	2.64	104.6	2000	133.3	380	313	93.4	170
HP12542-N202F- □□□□	555	197	2.82	116.2	2000	133.3	380	348	101.9	188
HP12546-N202F- □□□□	610.5	220	2.78	127.9	2000	133.3	380	340	111.3	206
HP12550-H202F- □□□□	666	246	2.71	139.5	2000	133.3	380	325	120.7	215
HP12555-N202F- □□□□	721.5	260	2.78	151.1	2000	133.3	380	351	130.3	225

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP12513	HP12517	HP12521	HP12525	HP12529	HP12533	HP12538	HP12542	HP12546	HP12550	HP12555
L	512	552	592	632	672	712	752	807	827	857	897
L2	110	110	110	110	110	110	140	140	140	140	140
D	48k6	48k6	48k6	48k6	48k6	48k6	60k6	60k6	60k6	60k6	60k6
Shaft Key Size	C14×90	C14×90	C14×90	C14×90	C14×90	C14×90	C18×120	C18×120	C18×120	C18×120	C18×120

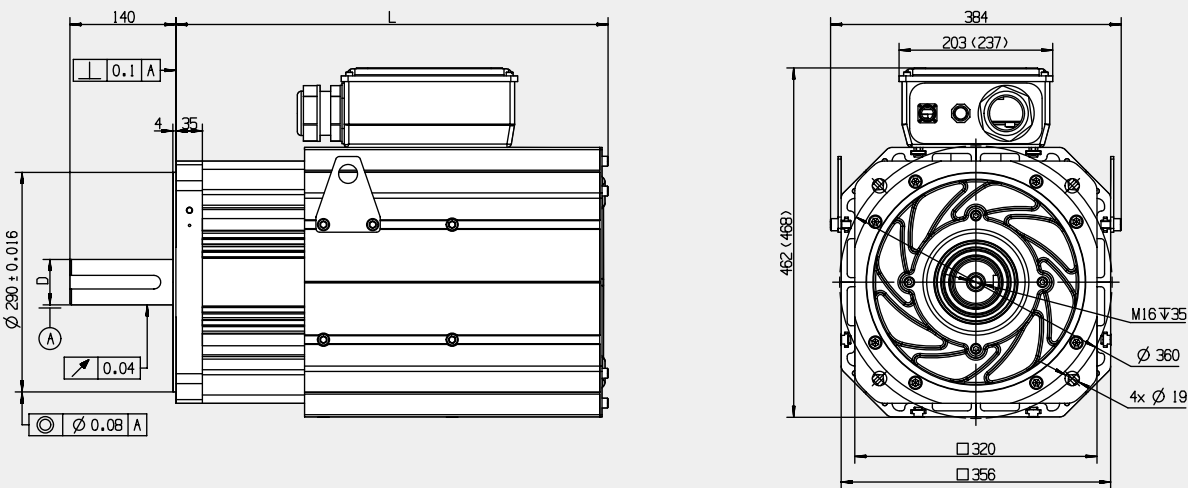
HP129-F

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP12927-G152F- □□□□	300	91	3.3	47	1500	150	380	311	0.125	140
HP12936-G152F- □□□□	400	129	3.1	63	1500	150	380	290	0.163	160
HP12945-G152F- □□□□	500	150	3.3	79	1500	150	380	311	0.200	181
HP12954-G152F- □□□□	600	181	3.3	94	1500	150	380	311	0.239	205
HP12963-G152F- □□□□	700	228	3.1	110	1500	150	380	290	0.276	228
HP12972-G152F- □□□□	800	258	3.1	126	1500	150	380	290	0.314	268
HP12981-G152F- □□□□	900	300	3.0	141	1500	150	380	280	0.352	282
HP12990-G152F- □□□□	1000	308	3.2	157	1500	150	380	312	0.389	305
HP12927-K182F- □□□□	300	101	3.0	57	1800	180	380	335	0.125	140
HP12936-G182F- □□□□	400	151	2.6	75	1800	180	380	298	0.163	160
HP12945-G182F- □□□□	500	181	2.8	94	1800	180	380	311	0.200	181
HP12954-K182F- □□□□	600	202	3.0	113	1800	180	380	336	0.239	205
HP12963-G182F- □□□□	700	259	2.7	132	1800	180	380	305	0.276	228
HP12972-G182F- □□□□	800	302	2.6	151	1800	180	380	298	0.314	268
HP12981-K182F- □□□□	900	302	3.0	170	1800	180	380	336	0.352	282
HP12990-G182F- □□□□	1000	362	2.8	188	1800	180	380	311	0.389	305
HP12927-G202F- □□□□	300	121	2.5	63	2000	200	380	311	0.125	140
HP12936-K202F- □□□□	400	152	2.6	84	2000	200	380	331	0.163	160
HP12945-G202F- □□□□	500	202	2.5	105	2000	200	380	311	0.200	181
HP12954-G202F- □□□□	600	259	2.3	126	2000	200	380	290	0.239	205
HP12963-G202F- □□□□	700	303	2.3	147	2000	200	380	290	0.276	228
HP12972-K202F- □□□□	800	303	2.6	168	2000	200	380	332	0.314	268
HP12981-G202F- □□□□	900	363	2.5	188	2000	200	380	311	0.352	282
HP12990-K202F- □□□□	1000	364	2.7	209	2000	200	380	346	0.389	305

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP12927	HP12936	HP12945	HP12954	HP12963	HP12972	HP12981	HP12990
L	526	571	616	676	721	766	811	856
D	60k6	60k6	60k6	65k6	65k6	75k6	75k6	75k6
Shaft Key Size	C18×120	C18×120	C18×120	C18×120	C18×120	C20×125	C20×125	C20×125

Technical Patameter and Dimension List

HP130/P-F

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m²)	Mass (kg)
HP13036-P102F- □□□□	405	72	5.63	42	1000	100	380	336	0.354	295
HP13048-P102F- □□□□	540	95	5.66	57	1000	100	380	336	0.46	320
HP13060-P102F- □□□□	675	117	5.77	71	1000	100	380	350	0.556	345
HP13072-P102F- □□□□	810	142	5.70	85	1000	100	380	338	0.652	370
HP13084-P102F- □□□□	945	162	5.83	99	1000	100	380	362	0.745	400
HP13096-P102F- □□□□	1080	190	5.69	113	1000	100	380	338	0.84	425
HP130U1-P102F- □□□□	1170	205	5.70	123	1000	100	380	338	0.946	450
HP130U2-T102F- □□□□	1300	233	5.58	136	1000	100	380	329	1.05	485
HP130U3-P102F- □□□□	1430	244	5.85	150	1000	100	380	362	1.155	505
HP130U4-P102F- □□□□	1560	273	5.71	163	1000	100	380	338	1.242	525
HP13036-P122F- □□□□	405	85	4.79	57	1200	120	380	353	0.354	295
HP13048-P122F- □□□□	540	114	4.72	68	1200	120	380	338	0.46	320
HP13060-P122F- □□□□	675	142	4.75	85	1200	120	380	338	0.556	345
HP13072-P122F- □□□□	810	170	4.76	102	1200	120	380	338	0.652	370
HP13084-P122F- □□□□	945	194	4.86	119	1200	120	380	355	0.745	400
HP13096-P122F- □□□□	1080	221	4.90	136	1200	120	380	361	0.84	425
HP130U1-P122F- □□□□	1170	250	4.68	147	1200	120	380	355	0.946	450
HP130U2-P122F- □□□□	1300	284	4.57	163	1200	120	380	338	1.05	485
HP130U3-T122F- □□□□	1430	342	4.18	180	1200	120	380	310	1.155	505
HP130U4-P122F- □□□□	1560	340	4.59	196	1200	120	380	338	1.242	525
HP13036-P152F- □□□□	405	108	3.75	64	1500	150	380	338	0.354	295
HP13048-P152F- □□□□	540	142	3.80	85	1500	150	380	338	0.46	320
HP13060-P152F- □□□□	675	176	3.85	106	1500	150	380	352	0.556	345
HP13072-P152F- □□□□	810	214	3.78	127	1500	150	380	338	0.652	370
HP13084-P152F- □□□□	945	248	3.80	148	1500	150	380	345	0.745	400
HP13096-P152F- □□□□	1080	284	3.80	170	1500	150	380	338	0.84	425
HP130U1-T152F- □□□□	1170	349	3.35	184	1500	150	380	317	0.946	450
HP130U2-P152F- □□□□	1300	348	3.73	204	1500	150	380	352	1.05	485
HP130U3-T152F- □□□□	1430	437	3.28	225	1500	150	380	310	1.155	505
HP130U4-P152F- □□□□	1560	428	3.65	245	1500	150	380	338	1.242	525

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz

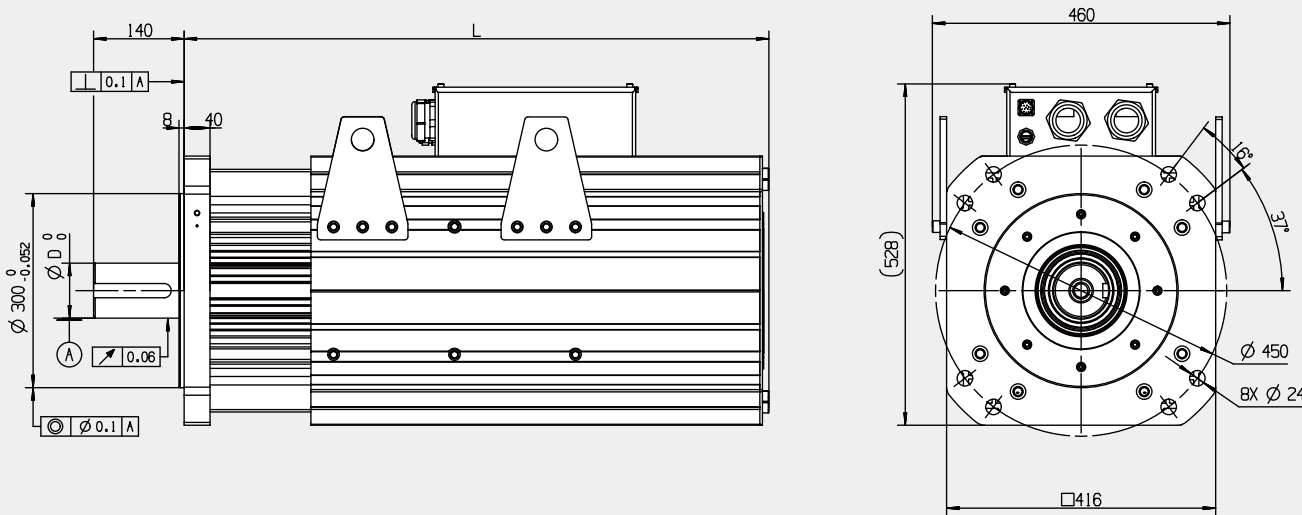
HP130/P-F

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m²)	Mass (kg)
HP13036-P182F- □□□□	405	127	3.19	76	1800	180	380	353	0.354	295
HP13048-P182F- □□□□	540	172	3.14	102	1800	180	380	338	0.46	320
HP13060-P182F- □□□□	675	214	3.15	127	1800	180	380	338	0.556	345
HP13072-P182F- □□□□	810	248	3.26	153	1800	180	380	355	0.652	370
HP13084-P182F- □□□□	945	290	3.26	178	1800	180	380	355	0.745	400
HP13096-P182F- □□□□	1080	349	3.09	204	1800	180	380	338	0.84	425
HP130U1-T182F- □□□□	1170	437	2.68	221	1800	180	380	304	0.946	450
HP130U2-P182F- □□□□	1300	434	3.00	245	1800	180	380	338	1.05	485
HP130U3-P182F- □□□□	1430	456	3.13	270	1800	180	380	372	1.155	505
HP130U4-T182F- □□□□	1560	585	2.67	294	1800	180	380	304	1.242	525

Operating Conditions: Drive switching frequency ≥ 4kHz

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP13036	HP13048	HP13060	HP13072	HP13084	HP13096	HP13U1	HP13U2	HP13U3	HP13U4
L	645	685	725	765	825	865	905	985	1025	1065
D	85m6	85m6	85m6	85m6	85m6	85m6	90m6	90m6	90m6	90m6
Shaft Key Size	C22×120	C22×120	C22×120	C22×120	C22×120	C22×120	C25×120	C25×120	C25×120	C25×120

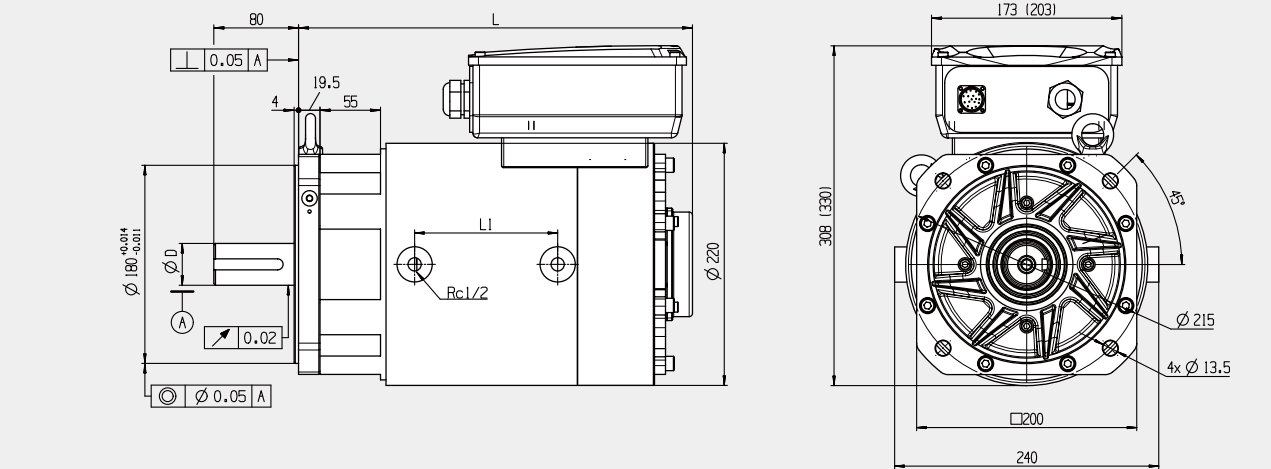
电机参数外形一览表

HP118-W

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP11802-Z152W-□□□□	40	11.7	3.42	6.3	1500	100	380	323	7.8	29
HP11803-Z152W-□□□□	60	17.6	3.41	9.4	1500	100	380	323	11.1	34
HP11804-Z152W-□□□□	80	23.5	3.40	12.6	1500	100	380	323	14.1	39
HP11805-Z152W-□□□□	100	29.1	3.44	15.7	1500	100	380	327	17.2	44
HP11806-Z152W-□□□□	120	35.3	3.40	18.8	1500	100	380	323	20.4	49
HP11807-Z152W-□□□□	140	41.2	3.40	22.0	1500	100	380	323	23.6	54
HP11808-Z152W-□□□□	160	47.1	3.40	25.1	1500	100	380	323	27	60
HP11809-Z152W-□□□□	180	52.4	3.44	28.3	1500	100	380	329	30.1	65
HP11810-Z152W-□□□□	200	58.9	3.40	31.4	1500	100	380	327	33.2	70
HP11811-Q152W-□□□□	220	62.7	3.51	34.6	1500	100	380	339	36.4	76
HP11812-Z152W-□□□□	240	70.6	3.40	37.7	1500	100	380	323	39.5	82
HP11802-Q182W-□□□□	40	13.4	2.99	7.5	1800	120	380	333	7.8	29
HP11803-Q182W-□□□□	60	20.1	2.99	11.3	1800	120	380	333	11.1	34
HP11804-Q182W-□□□□	80	26.8	2.99	15.1	1800	120	380	333	14.1	39
HP11805-Z182W-□□□□	100	34.7	2.88	18.8	1800	120	380	323	17.2	44
HP11806-Q182W-□□□□	120	40.1	2.99	22.6	1800	120	380	333	20.4	49
HP11807-Z182W-□□□□	140	48.8	2.87	26.4	1800	120	380	323	23.6	54
HP11808-Q182W-□□□□	160	54	2.96	30.2	1800	120	380	333	27	60
HP11809-Q182W-□□□□	180	61.2	2.94	33.9	1800	120	380	333	30.1	65
HP11810-Z182W-□□□□	200	70	2.86	37.7	1800	120	380	323	33.2	70
HP11811-Z182W-□□□□	220	75.2	2.93	41.5	1800	120	380	330	36.4	76
HP11812-Q182W-□□□□	240	81.4	2.95	45.2	1800	120	380	333	39.5	82
HP11802-Z202W-□□□□	40	15.2	2.63	8.4	2000	133.3	380	329	7.8	29
HP11803-Z202W-□□□□	60	23.1	2.60	12.6	2000	133.3	380	323	11.1	34
HP11804-Z202W-□□□□	80	30.5	2.62	16.8	2000	133.3	380	329	14.1	39
HP11805-Q202W-□□□□	100	37.8	2.65	20.9	2000	133.3	380	334	17.2	44
HP11806-Z202W-□□□□	120	46.4	2.59	25.1	2000	133.3	380	323	20.4	49
HP11807-Z202W-□□□□	140	54.2	2.58	29.3	2000	133.3	380	323	23.6	54
HP11808-Z202W-□□□□	160	61.6	2.60	33.5	2000	133.3	380	329	27	60
HP11809-Z202W-□□□□	180	70.1	2.57	37.7	2000	133.3	380	323	30.1	65
HP11810-Q202W-□□□□	200	76.8	2.60	41.9	2000	133.3	380	334	33.2	70
HP11811-Q202W-□□□□	220	84.1	2.62	46.1	2000	133.3	380	339	36.4	76
HP11812-Q202W-□□□□	240	91.6	2.62	50.3	2000	133.3	380	339	39.5	82

Operating Conditions:
1. Drive switching frequency ≥ 4kHz; 2. Cooling Medium Specifications: Oil, Flow ≥ 12L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:
> Motor tested in horizontal position in free still air, ambient temperature 30°C
> Motor flanged (Tflange = 30°C)
> Typical data tolerance ±10%
> Treshold of built in PTC 130°C
> Switching frequency 4kHz



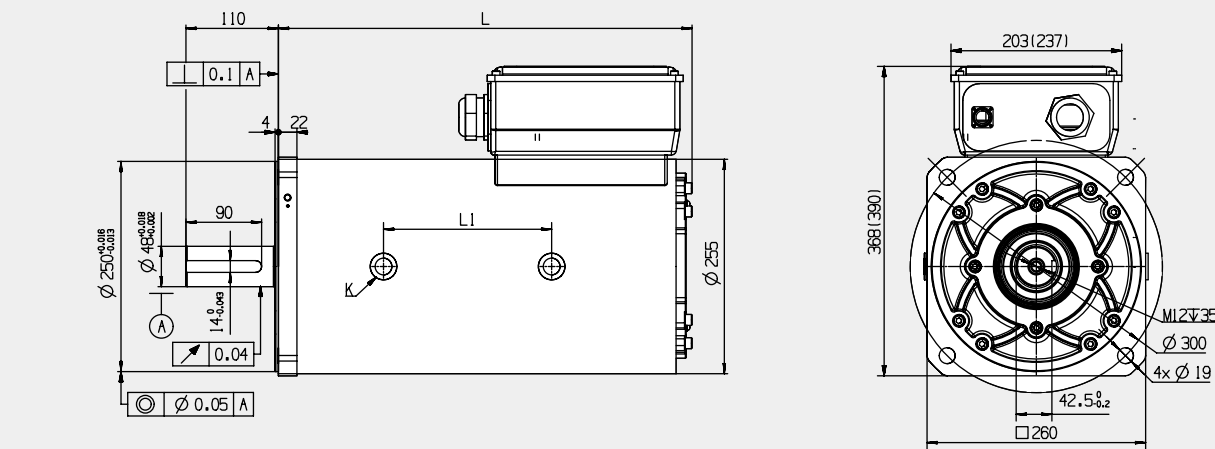
Motor Model	HP11802	HP11803	HP11804	HP11805	HP11806	HP11807	HP11808	HP11809	HP11810	HP11811	HP11812
L	250	286	302	331	358	394	430	448	478	508	538
L1	56	64	73	101	130	155	191	209	239	269	299
D	38k6	38k6	38k6	38k6	38k6	38k6	38k6	38k6	38k6	42k6	42k6
Shaft Key Size	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C10×63	C12×63

HP120-W

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP12008-H152W-□□□□	100	31	3.3	15.7	1500	100	380	307	15	76
HP12012-H152W-□□□□	150	46	3.3	23.6	1500	100	380	307	20.6	92
HP12016-H152W-□□□□	200	62	3.3	31.4	1500	100	380	307	26.2	108
HP12020-H152W-□□□□	250	74	3.4	39.3	1500	100	380	320	31.8	124
HP12024-H152W-□□□□	300	92	3.3	47	1500	100	380	307	37.4	140
HP12028-H152W-□□□□	350	105	3.3	55	1500	100	380	314	43	156
HP12032-H152W-□□□□	400	123	3.3	62.8	1500	100	380	307	48.6	172
HP12036-H152W-□□□□	450	134	3.4	70.7	1500	100	380	317	54.2	188
HP12040-H152W-□□□□	500	148	3.4	78.5	1500	100	380	320	59.8	204
HP12008-H182W-□□□□	100	37	2.7	18.8	1800	120	380	307	15	76
HP12012-H182W-□□□□	150	53	2.8	28.3	1800	120	380	323	20.6	92
HP12016-H182W-□□□□	200	74	2.7	37.7	1800	120	380	307	26.2	108
HP12020-H182W-□□□□	250	92	2.7	47	1800	120	380	307	31.8	124
HP12024-H182W-□□□□	300	105	2.8	56.5	1800	120	380	323	37.4	140
HP12028-H182W-□□□□	350	123	2.8	66	1800	120	380	323	43	156
HP12032-H182W-□□□□	400	148	2.7	75.4	1800	120	380	307	48.6	172
HP12036-H182W-□□□□	450	164	2.7	84.8	1800	120	380	311	54.2	188
HP12040-H182W-□□□□	500	185	2.7	94.2	1800	120	380	307	59.8	204
HP12008-H202W-□□□□	100	41	2.4	21	2000	133.3	380	307	15	76
HP12012-H202W-□□□□	150	62	2.4	31.4	2000	133.3	380	307	20.6	92
HP12016-H202W-□□□□	200	82	2.4	42	2000	133.3	380	307	26.2	108
HP12020-H202W-□□□□	250	98	2.5	52.4	2000	133.3	380	320	31.8	124
HP12024-H202W-□□□□	300	123	2.4	62.8	2000	133.3	380	307	37.4	140
HP12028-H202W-□□□□	350	134	2.6	73.3	2000	133.3	380	329	43	156
HP12032-H202W-□□□□	400	164	2.4	83.8	2000	133.3	380	307	48.6	172
HP12036-H202W-□□□□	450	185	2.4	94.2	2000	133.3	380	307	54.2	188
HP12040-N202W-□□□□	500	186	2.7	104.7	2000	133.3	380	341	59.8	204

Operating Conditions:
1. Drive switching frequency ≥ 4kHz;
2. Cooling Medium Specifications: Oil, Flow ≥ 20L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:
> Motor tested in horizontal position in free still air, ambient temperature 30°C
> Motor flanged (Tflange = 30°C)
> Typical data tolerance ±10%
> Treshold of built in PTC 130°C
> Switching frequency 4kHz



Motor Model	HP12008	HP12012	HP12016	HP12020	HP12024	HP12028	HP12032	HP12036	HP12040
L	342	392	442	492	542	592	642	692	742
L1	120	140	190	240	290	340	390	440	490
K	Rc1/2	Rc1/2	Rc1/2	Rc1/2	Rc1/2	Rc3/4	Rc3/4	Rc3/4	Rc3/4

Technical Patameter and Dimension List

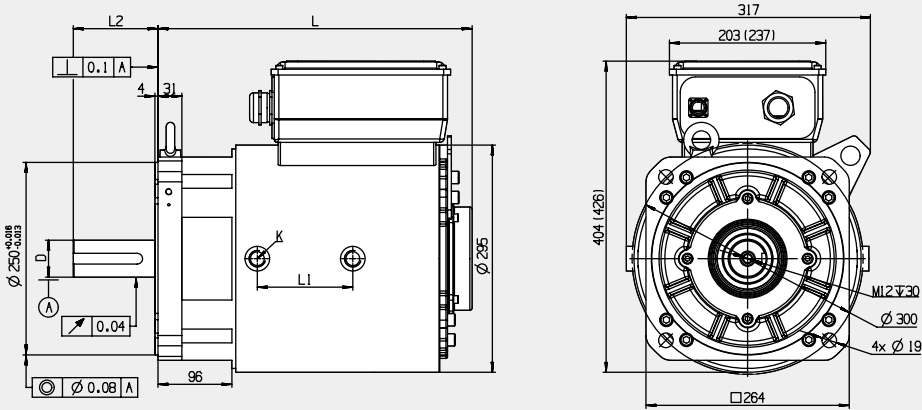
HP125-W

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m².10 ⁻³)	Mass (kg)
HP12513-H152W-□□□□	171	49	3.53	26.9	1500	100	380	313	34.3	91
HP12517-H152W-□□□□	228	65	3.51	35.8	1500	100	380	325	44.1	104
HP12521-H152W-□□□□	285	81	3.52	44.8	1500	100	380	319	53.7	115
HP12525-H152W-□□□□	342	96	3.56	53.7	1500	100	380	330	63.3	126
HP12529-H152W-□□□□	399	111	3.58	62.7	1500	100	380	325	73.1	137
HP12533-H152W-□□□□	456	127	3.58	71.6	1500	100	380	325	82.7	151
HP12538-H152W-□□□□	513	146	3.51	80.6	1500	100	380	313	93.4	170
HP12542-H152W-□□□□	570	160	3.56	89.5	1500	100	380	319	101.9	188
HP12546-H152W-□□□□	627	176	3.56	98.5	1500	100	380	319	111.3	206
HP12550-H152W-□□□□	684	196	3.5	107.4	1500	100	380	313	120.7	215
HP12555-N152W-□□□□	741	201	3.69	116.4	1500	100	380	339	130.3	225
HP12513-N182W-□□□□	168	55	3.05	31.7	1800	120	380	334	34.3	91
HP12517-N182W-□□□□	224	74	3.03	42.2	1800	120	380	334	44.1	104
HP12521-H182W-□□□□	280	92	3.03	52.8	1800	120	380	330	53.7	115
HP12525-H182W-□□□□	336	115	2.92	63.3	1800	120	380	313	63.3	126
HP12529-H182W-□□□□	392	134	2.93	73.9	1800	120	380	317	73.1	137
HP12533-N182W-□□□□	448	147	3.05	84.4	1800	120	380	334	82.7	151
HP12538-H182W-□□□□	504	172	2.93	95	1800	120	380	313	93.4	170
HP12542-H182W-□□□□	560	192	2.91	105.5	1800	120	380	313	101.9	188
HP12546-N182W-□□□□	616	198	3.11	116.1	1800	120	380	345	111.3	206
HP12550-N182W-□□□□	672	218	3.08	126.7	1800	120	380	334	120.7	215
HP12555-H182W-□□□□	728	246	2.96	137.2	1800	120	380	316	130.3	225
HP12513-H202W-□□□□	166.5	62	2.69	34.9	2000	133.3	380	325	34.3	91
HP12517-N202W-□□□□	222	80	2.78	46.5	2000	133.3	380	340	44.1	104
HP12521-H202W-□□□□	277.5	102	2.71	58.1	2000	133.3	380	328	53.7	115
HP12525-H202W-□□□□	333	129	2.58	69.7	2000	133.3	380	325	63.3	126
HP12529-H202W-□□□□	388.5	143	2.72	81.4	2000	133.3	380	325	73.1	137
HP12533-N202W-□□□□	444	159	2.79	93	2000	133.3	380	340	82.7	151
HP12538-H202W-□□□□	499.5	190	2.64	104.6	2000	133.3	380	313	93.4	170
HP12542-N202W-□□□□	555	197	2.82	116.2	2000	133.3	380	348	101.9	188
HP12546-N202W-□□□□	610.5	220	2.78	127.9	2000	133.3	380	340	111.3	206
HP12550-H202W-□□□□	666	246	2.71	139.5	2000	133.3	380	325	120.7	215
HP12555-N202W-□□□□	721.5	260	2.78	151.1	2000	133.3	380	351	130.3	225

- Operating Conditions:
- Drive switching frequency ≥ 4kHz;
 - Cooling Medium Specifications: Oil, Flow ≥ 15L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP12513	HP12517	HP12521	HP12525	HP12529	HP12533	HP12538	HP12542	HP12546	HP12550	HP12555
L	368	408	448	488	528	568	608	663	713	753	783
L1	106	124	164	204	244	284	300	360	424	464	475
L2	110	110	110	110	110	110	140	140	140	140	140
D	48k6	48k6	48k6	48k6	48k6	48k6	60k6	60k6	60k6	60k6	60k6
K	Rc1/2	Rc1/2	Rc1/2	Rc1/2	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Shaft Key Size	C14×90	C14×90	C14×90	C14×90	C14×90	C14×90	C18×120	C18×120	C18×120	C18×120	C18×120

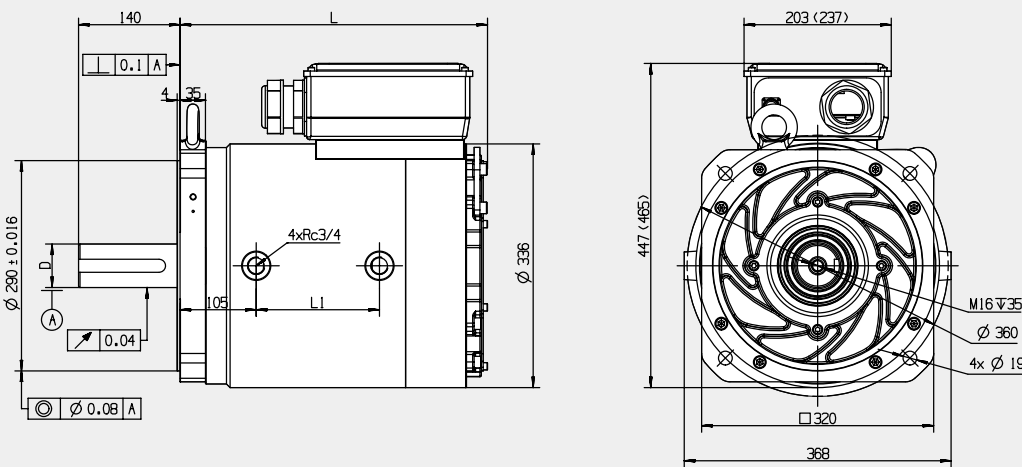
HP129-W

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m²)	Mass (kg)
HP12927-G152W-□□□□	300	91	3.3	47	1500	150	380	311	0.125	146
HP12936-G152W-□□□□	400	129	3.1	63	1500	150	380	290	0.163	171
HP12945-G152W-□□□□	500	150	3.3	79	1500	150	380	311	0.200	196
HP12954-G152W-□□□□	600	181	3.3	94	1500	150	380	311	0.239	225
HP12963-G152W-□□□□	700	228	3.1	110	1500	150	380	290	0.276	241
HP12972-G152W-□□□□	800	258	3.1	126	1500	150	380	290	0.314	290
HP12981-G152W-□□□□	900	300	3.0	141	1500	150	380	280	0.352	309
HP12990-G152W-□□□□	1000	308	3.2	157	1500	150	380	312	0.389	330
HP12927-K182W-□□□□	300	101	3.0	57	1800	180	380	335	0.125	146
HP12936-G182W-□□□□	400	151	2.6	75	1800	180	380	298	0.163	171
HP12945-G182W-□□□□	500	181	2.8	94	1800	180	380	311	0.200	196
HP12954-K182W-□□□□	600	202	3.0	113	1800	180	380	336	0.239	225
HP12963-G182W-□□□□	700	259	2.7	132	1800	180	380	305	0.276	241
HP12972-G182W-□□□□	800	302	2.6	151	1800	180	380	298	0.314	290
HP12981-K182W-□□□□	900	302	3.0	170	1800	180	380	336	0.352	309
HP12990-G182W-□□□□	1000	362	2.8	188	1800	180	380	311	0.389	330
HP12927-G202W-□□□□	300	121	2.5	63	2000	200	380	311	0.125	146
HP12936-K202W-□□□□	400	152	2.6	84	2000	200	380	331	0.163	171
HP12945-G202W-□□□□	500	202	2.5	105	2000	200	380	311	0.200	196
HP12954-G202W-□□□□	600	259	2.3	126	2000	200	380	290	0.239	225
HP12963-G202W-□□□□	700	303	2.3	147	2000	200	380	290	0.276	241
HP12972-K202W-□□□□	800	303	2.6	168	2000	200	380	332	0.314	290
HP12981-G202W-□□□□	900	363	2.5	188	2000	200	380	311	0.352	309

- Operating Conditions:
- Drive switching frequency ≥ 4kHz;
 - Cooling Medium Specifications: Oil, Flow ≥ 20L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz



Motor Model	HP12927	HP12936	HP12945	HP12954	HP12963	HP12972	HP12981	HP12990
L	379	424	469	529	574	619	664	709
L1	125	170	215	270	315	360	405	450
D	60k6	60k6	60k6	65k6	65k6	75k6	75k6	75k6
Shaft Key Size	C18×120	C18×120	C18×120	C18×120	C18×120	C20×125	C20×125	C20×125

Technical Patameter and Dimension List

HP130/P-W

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m²)	Mass (kg)
HP13036-P102W-□□□□	450	80	5.63	47	1000	100	380	336	0.354	280
HP13048-P102W-□□□□	600	106	5.66	63	1000	100	380	336	0.46	305
HP13060-P102W-□□□□	750	130	5.77	79	1000	100	380	350	0.556	335
HP13072-P102W-□□□□	900	158	5.70	94	1000	100	380	338	0.652	365
HP13084-P102W-□□□□	1050	180	5.83	110	1000	100	380	362	0.745	395
HP13096-P102W-□□□□	1200	211	5.69	126	1000	100	380	338	0.84	425
HP130U1-P102W-□□□□	1350	237	5.70	141	1000	100	380	338	0.946	455
HP130U2-T102W-□□□□	1500	269	5.58	157	1000	100	380	329	1.05	485
HP130U3-P102W-□□□□	1650	282	5.85	173	1000	100	380	362	1.155	520
HP130U4-P102W-□□□□	1800	315	5.71	188	1000	100	380	338	1.242	555
HP13036-P122W-□□□□	450	94	4.79	57	1200	120	380	353	0.354	280
HP13048-P122W-□□□□	600	127	4.72	75	1200	120	380	338	0.46	305
HP13060-P122W-□□□□	750	158	4.75	94	1200	120	380	338	0.556	335
HP13072-P122W-□□□□	900	189	4.76	113	1200	120	380	338	0.652	365
HP13084-P122W-□□□□	1050	216	4.86	132	1200	120	380	355	0.745	395
HP13096-P122W-□□□□	1200	245	4.90	151	1200	120	380	361	0.84	425
HP130U1-P122W-□□□□	1350	278	4.86	170	1200	120	380	355	0.946	455
HP130U2-P122W-□□□□	1500	316	4.75	188	1200	120	380	338	1.05	485
HP130U3-T122W-□□□□	1650	380	4.34	207	1200	120	380	310	1.155	520
HP130U4-P122W-□□□□	1800	378	4.76	226	1200	120	380	338	1.242	555
HP13036-P152W-□□□□	450	120	3.75	71	1500	150	380	338	0.354	280
HP13048-P152W-□□□□	600	158	3.80	94	1500	150	380	338	0.46	305
HP13060-P152W-□□□□	750	195	3.85	118	1500	150	380	352	0.556	335
HP13072-P152W-□□□□	900	238	3.78	141	1500	150	380	338	0.652	365
HP13084-P152W-□□□□	1050	272	3.86	165	1500	150	380	345	0.745	395
HP13096-P152W-□□□□	1200	316	3.80	188	1500	150	380	338	0.84	425
HP130U1-T152W-□□□□	1350	388	3.48	212	1500	150	380	317	0.946	455
HP130U2-P152W-□□□□	1500	387	3.88	236	1500	150	380	352	1.05	485
HP130U3-T152W-□□□□	1650	485	3.40	259	1500	150	380	310	1.155	520
HP130U4-P152W-□□□□	1800	475	3.79	283	1500	150	380	338	1.242	555

Operating Conditions:

1. Drive switching frequency ≥ 4kHz;
2. Cooling Medium Specifications: Oil, Flow ≥ 30L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz

HP130/P-W

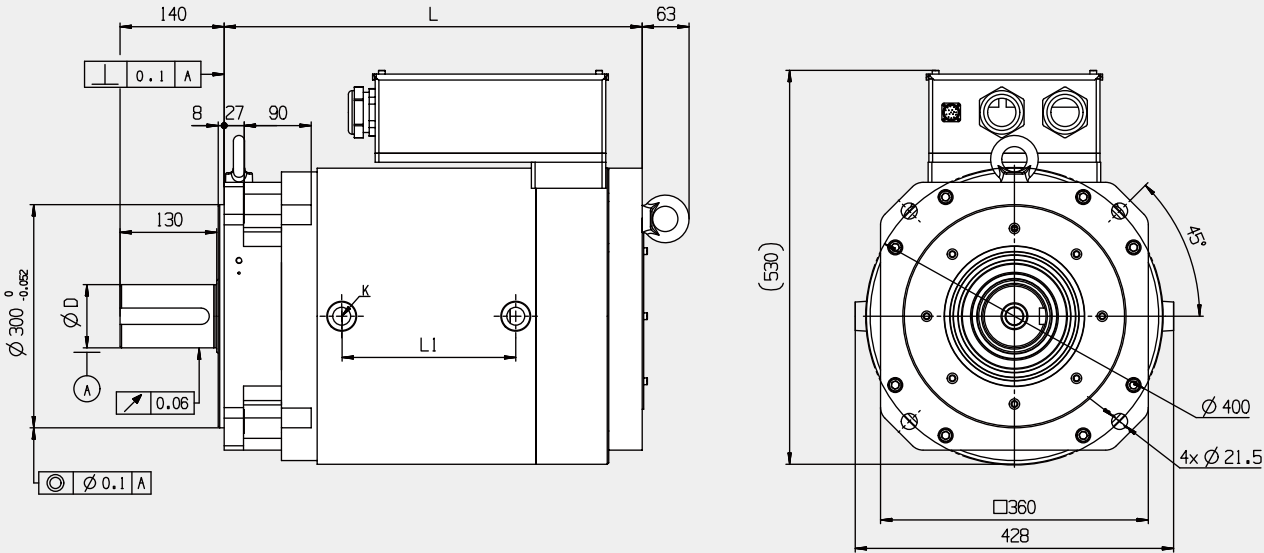
Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(kW)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Voltage Class (V)	Back EMK (V)	Inertia J(kg.m²)	Mass (kg)
HP13036-P182W-□□□□	450	141	3.19	85	1800	180	380	353	0.354	280
HP13048-P182W-□□□□	600	191	3.14	113	1800	180	380	338	0.46	305
HP13060-P182W-□□□□	750	238	3.15	141	1800	180	380	338	0.556	335
HP13072-P182W-□□□□	900	276	3.26	170	1800	180	380	355	0.652	365
HP13084-P182W-□□□□	1050	322	3.26	198	1800	180	380	355	0.745	395
HP13096-P182W-□□□□	1200	388	3.09	226	1800	180	380	338	0.84	425
HP130U1-T182W-□□□□	1350	485	2.78	254	1800	180	380	304	0.946	455
HP130U2-P182W-□□□□	1500	482	3.11	283	1800	180	380	338	1.05	485
HP130U3-P182W-□□□□	1650	507	3.25	311	1800	180	380	372	1.155	520
HP130U4-T182W-□□□□	1800	650	2.77	339	1800	180	380	304	1.242	555

Operating Conditions:

1. Drive switching frequency ≥ 4kHz;
2. Cooling Medium Specifications: Oil, Flow ≥ 30L/min, Pressure ≤ 0.6Mpa, Inlet oil temperature ≤ 50°C .

Test Conditions:

- > Motor tested in horizontal position in free still air, ambient temperature 30°C
- > Motor flanged (Tflange = 30°C)
- > Typical data tolerance ±10%
- > Treshold of built in PTC 130°C
- > Switching frequency 4kHz

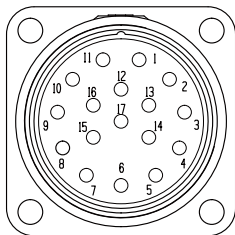


Motor Model	HP13036	HP13048	HP13060	HP13072	HP13084	HP13096	HP130U1	HP130U2	HP130U3	HP130U4
L	442	487	512	562	592	642	682	722	807	847
L1	115	160	184	234	264	316	360	400	492	532
K	Rc1/2	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
D	85m6	85m6	85m6	85m6	85m6	85m6	90m6	90m6	90m6	90m6
Shaft Key Size	C22×120	C22×120	C22×120	C22×120	C22×120	C22×120	C25×120	C25×120	C25×120	C25×120

Motor Connections: Signal / Power

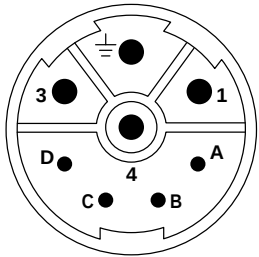
Resolver:

M23-17 Signal Connector



PIN	Signal	Color
3	COS+	Red
4	COS-	Black
7	SIN+	Yellow
8	SIN-	Blue
12	REF+	Red/White
13	REF-	Yellow/White
14	KTY	Black
15	KTY	Black

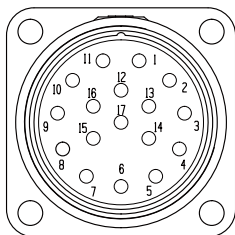
M23 (4+4) Power Connector



PIN	Signal	Color
1	U	Red
	GND	Ground
3	V	Blue
4	W	Yellow
A	PTC1	Blue
B	PTC2	Blue
C	Break+	Red
D	Break-	Black

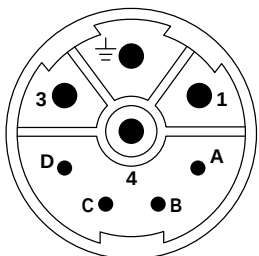
Absolute / Heidenhein:

M23-17 Signal Connector



PIN	Signal	Color
1	+Vccsensor	Blue
4	0Vsensor	White
5	KTY	Black
6	KTY	Black
7	+Vcc	Brown/Green
8	Clock+	Purple
9	Clock-	Yellow
10	0V	White/Green
12	B+	Blue/Black
13	B-	Red/Black
14	DATA+	Grey
15	A+	Green/Black
16	A-	Yellow/Black
17	DATA-	Pink

M23 (4+4) Power Connector

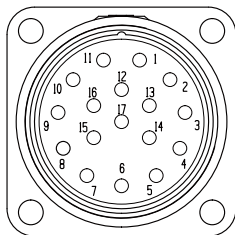


PIN	Signal	Color
1	U	Red
	GND	Ground
3	V	Blue
4	W	Yellow
A	PTC1	Blue
B	PTC2	Blue
C	Break+	Red
D	Break-	Black

Motor Connections: Signal / Power

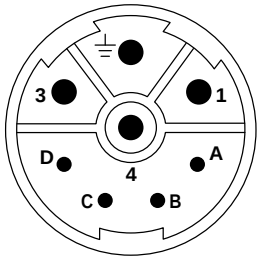
Absolute / Tamagawa:

M23-17 Signal Connector



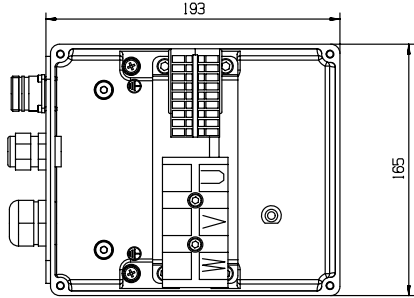
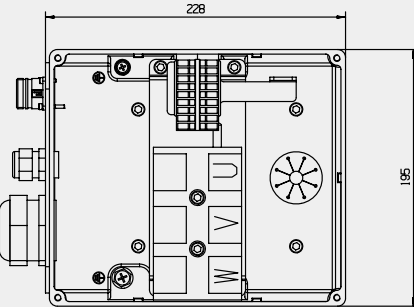
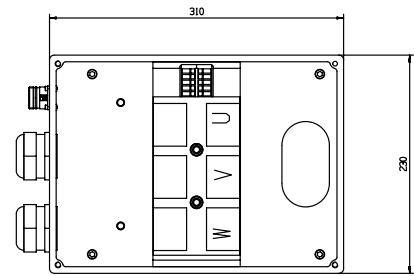
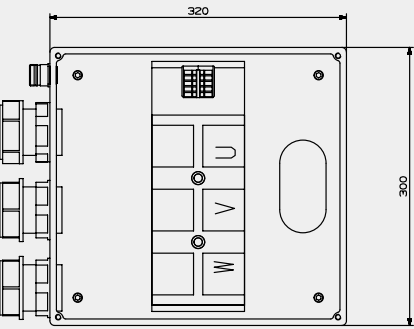
PIN	Signal	Color
1	VB	Brown
4	GND	Brown/Black
5	KTY	Black
6	KTY	Black
7	VCC+	Red
10	OV	Black
14	DATA+	Blue
17	DATA-	Blue/Black

M23 (4+4) Power Connector



PIN	Signal	Color
1	U	Red
	GND	Ground
3	V	Blue
4	W	Yellow
A	PTC1	Blue
B	PTC2	Blue
C	Break+	Red
D	Break-	Black

Motor Connections: Power

SIZE A		Rated Current $I_n < 0-60A >$ Compatible with fasteners PG21(13-18mm) PG29(18-25mm)
SIZE B		Rated Current $I_n < 60-200A >$ Compatible with fasteners PG29(18-25mm) PG36(22-32mm) PG42(32-38mm) PG48(37-44mm)
SIZE C		Rated Current $I_n < 200-400A >$ Compatible with fasteners 2xPG36(22-32mm) 2xPG42(32-38mm) 2xPG48(37-44mm)
SIZE D		Rated Current $I_n < 400-600A >$ Compatible with fasteners 3xPG42(32-38mm)



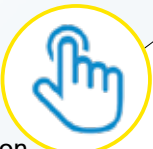
Hi301 Series 11–90 kW Electro-Hydraulic Servo Drive



Features

【High Usability】

Supports automatic parameter identification
Comes with abundant built-in motor parameters



【Professional Design】

Exclusively for electro-hydraulic servo systems



【Cost-Effective】

Performance meets industry requirements
Optimal price point



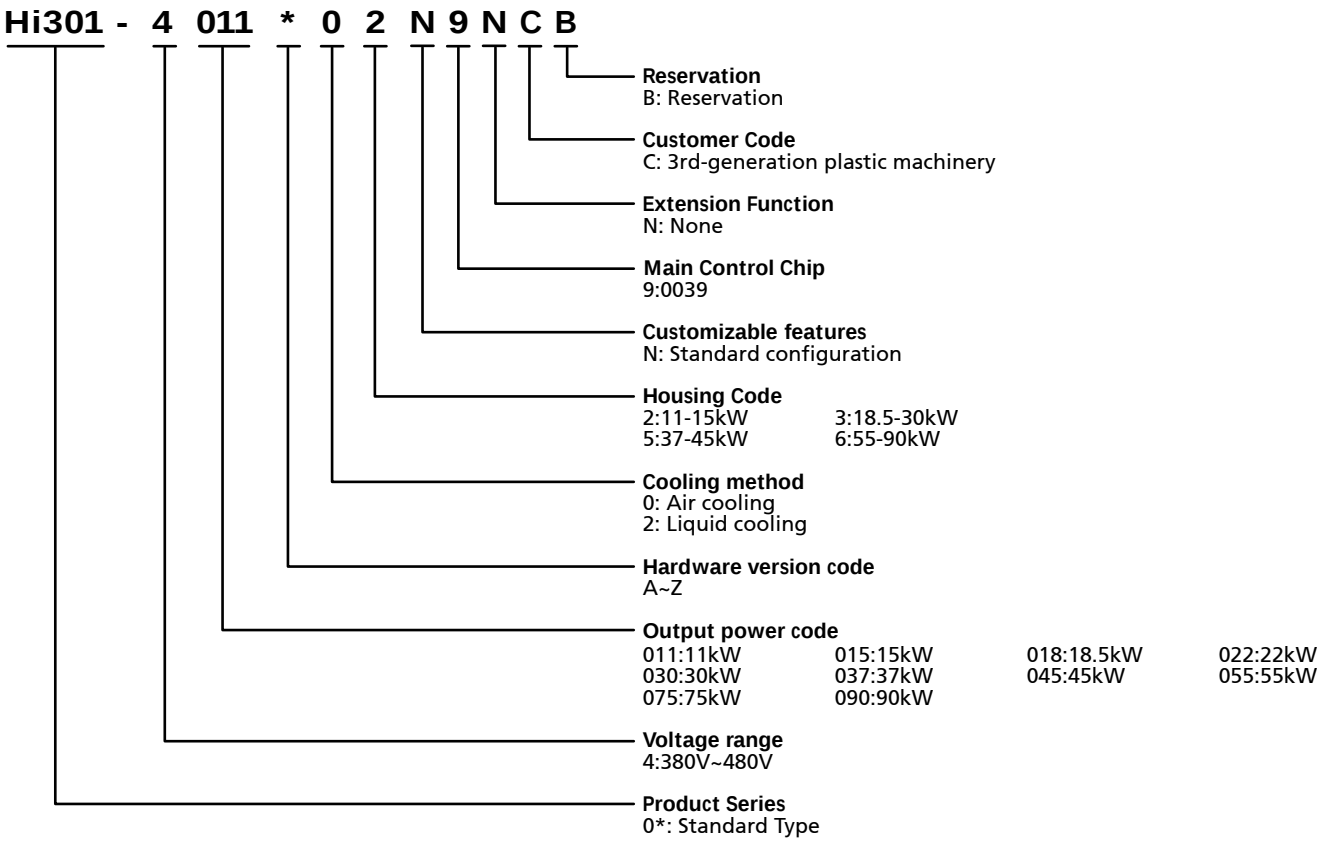
【High Reliability】

Rigorous industrial-grade testing



Hi3 Series Drive

Ordering Code



Function Overview and Comparison

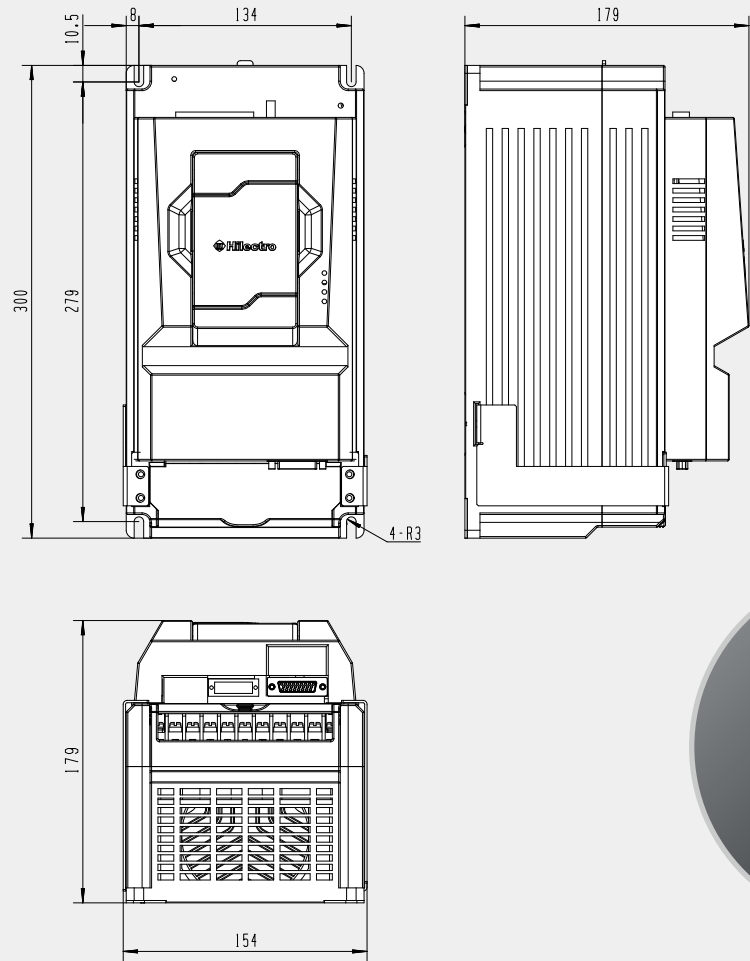
Model & Control Board Functions		Hi301
Standard Supported Functions	Digital I/O	●
	Analog Input	●
	Analog Output	●
	KTY/PTC	●
	Resolver	●
	CAN Bus	●
Customizable Functions	Wi-Fi Operator	●

Note 1: ● = Function supported; ○ = Function not supported
Note 2: Customizable functions shall be specified separately when placing orders.

Hi301 series
11-15kW Air Cooling

Model Hi301-4 □□□ XXXX		011	015
Housing code		2#	
Maximum applicable motor power (kW)		11	15
Output	Rated output capacity (kVA)	17	23
	Rated output current (A)	24	33
	RMS Maximum Current (A)	48	66
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	31	43

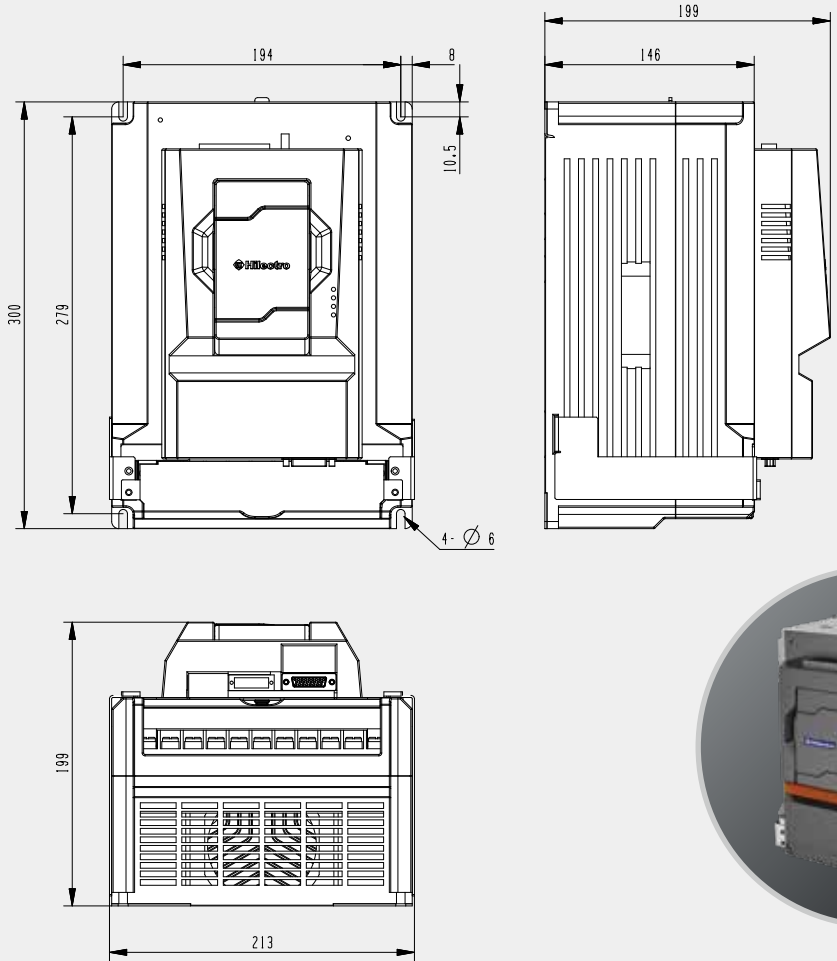
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi301 series
18-22-30kW Air Cooling

Model Hi301-4 □□□ XXXX		018	022	030
Housing code		3#		
Maximum applicable motor power (kW)		18.5	22	30
Output	Rated output capacity (kVA)	26	31	42
	Rated output current (A)	37	45	60
	RMS Maximum Current (A)	74	90	120
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 440		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	45	50	66

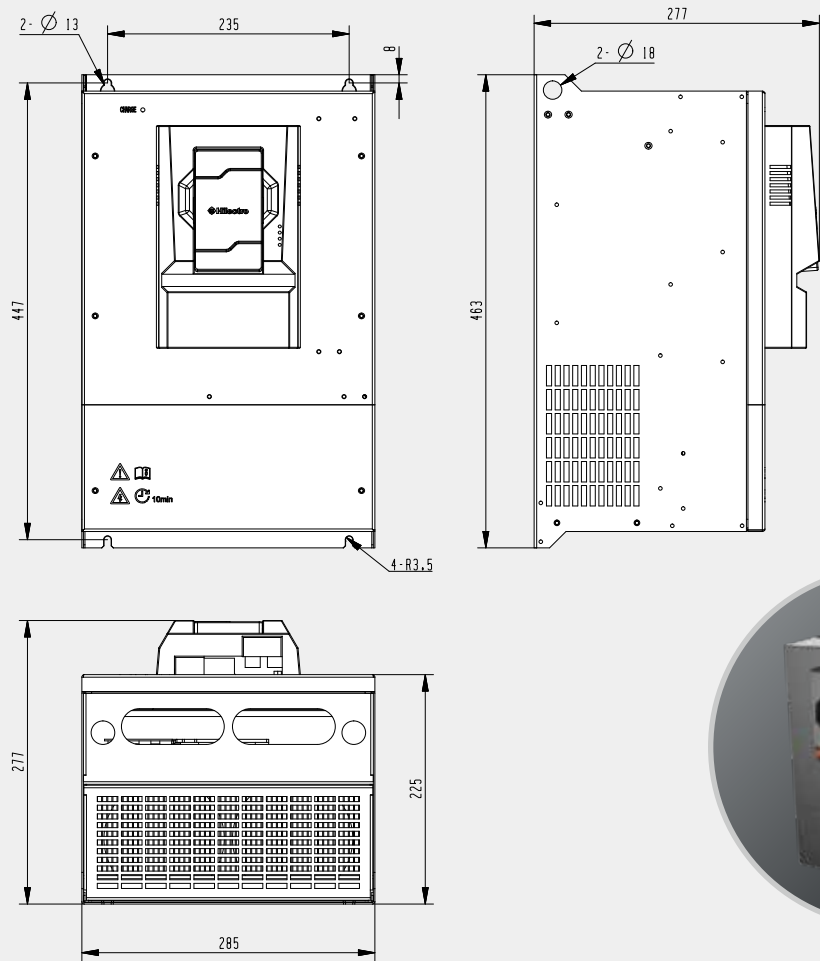
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi301 series
37-45kW Air Cooling

Model Hi301-4 □□□ XXXX		037	045
Housing code		5#	
Maximum applicable motor power (kW)		37	45
Output	Rated output capacity (kVA)	52	62
	Rated output current (A)	75	90
	RMS Maximum Current (A)	150	180
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	76	92

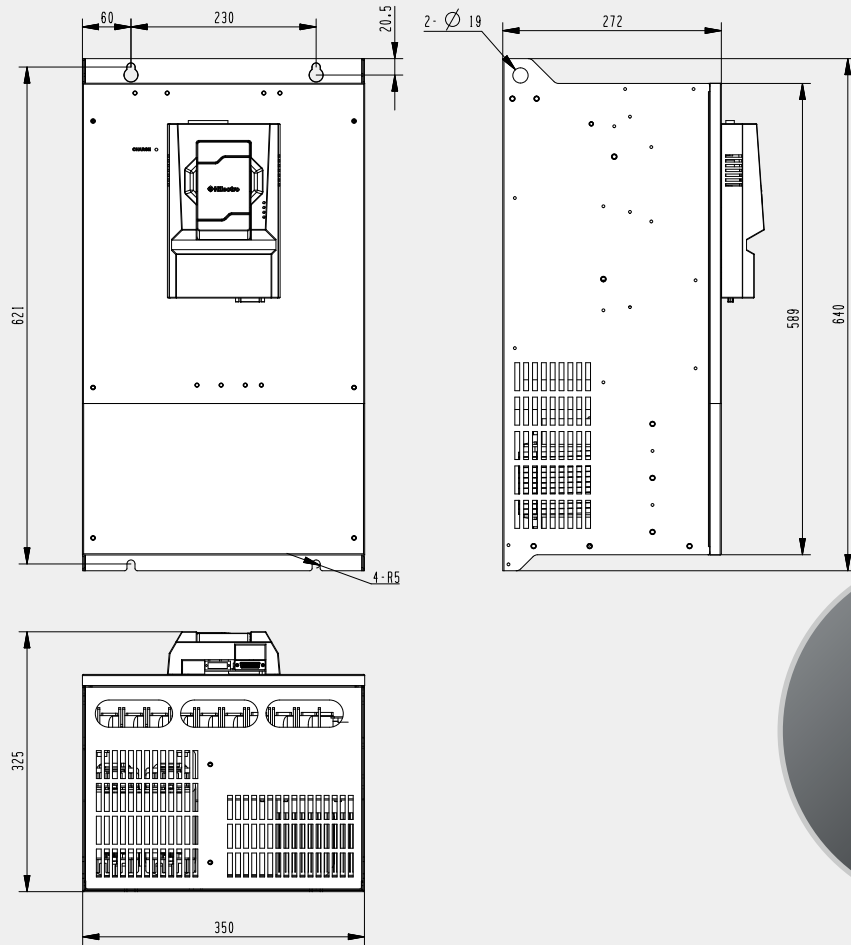
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi301 series
55-75-90kW Air Cooling

Model Hi301-4 □□□ XXXX		055	075	090
Housing code		6#		
Maximum applicable motor power (kW)		55	75	90
Output	Rated output capacity (kVA)	80	104	125
	Rated output current (A)	115	150	180
	RMS Maximum Current (A)	230	300	360
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 440		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	119	155	185

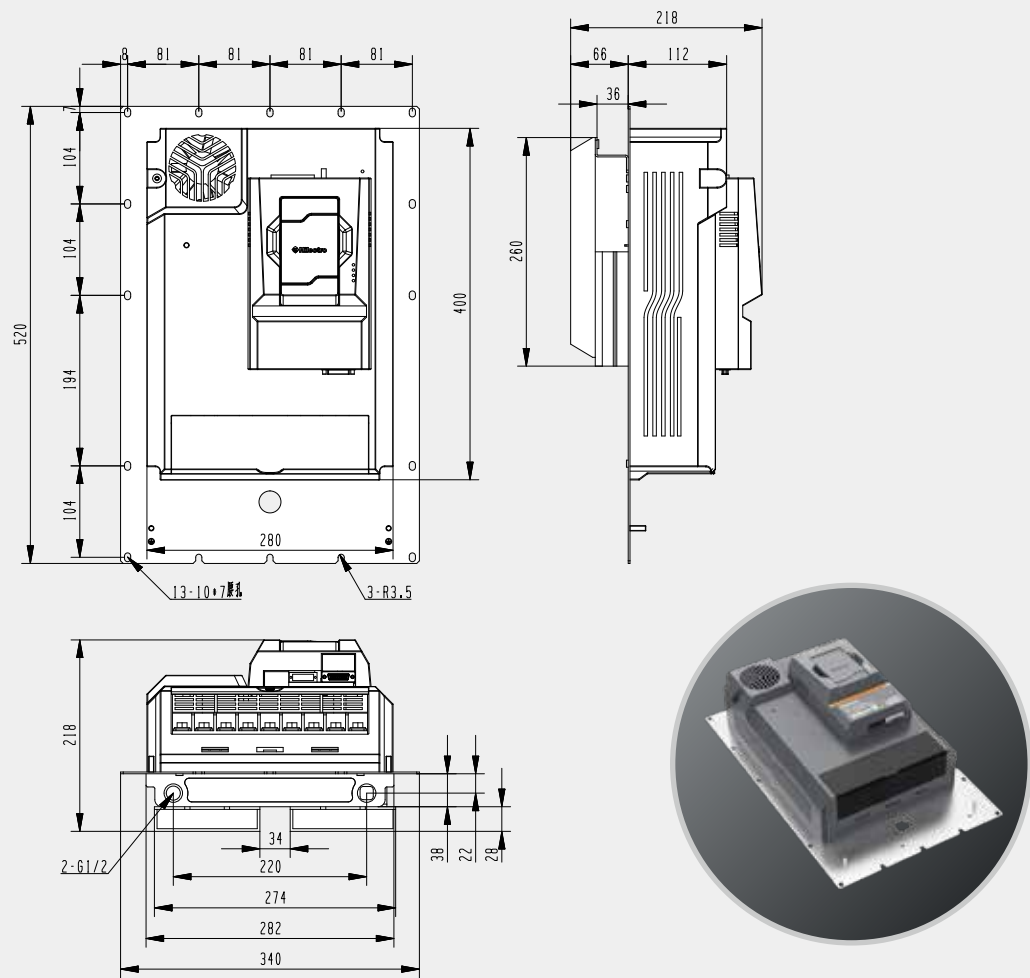
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi301 series
37-45kW Liquid Cooling

Model Hi301-4 □□□ XXXX		037	045
Housing code		5#	
Maximum applicable motor power (kW)		37	45
Output	Rated output capacity (kVA)	52	62
	Rated output current (A)	75	90
	RMS Maximum Current (A)	150	180
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	83	99

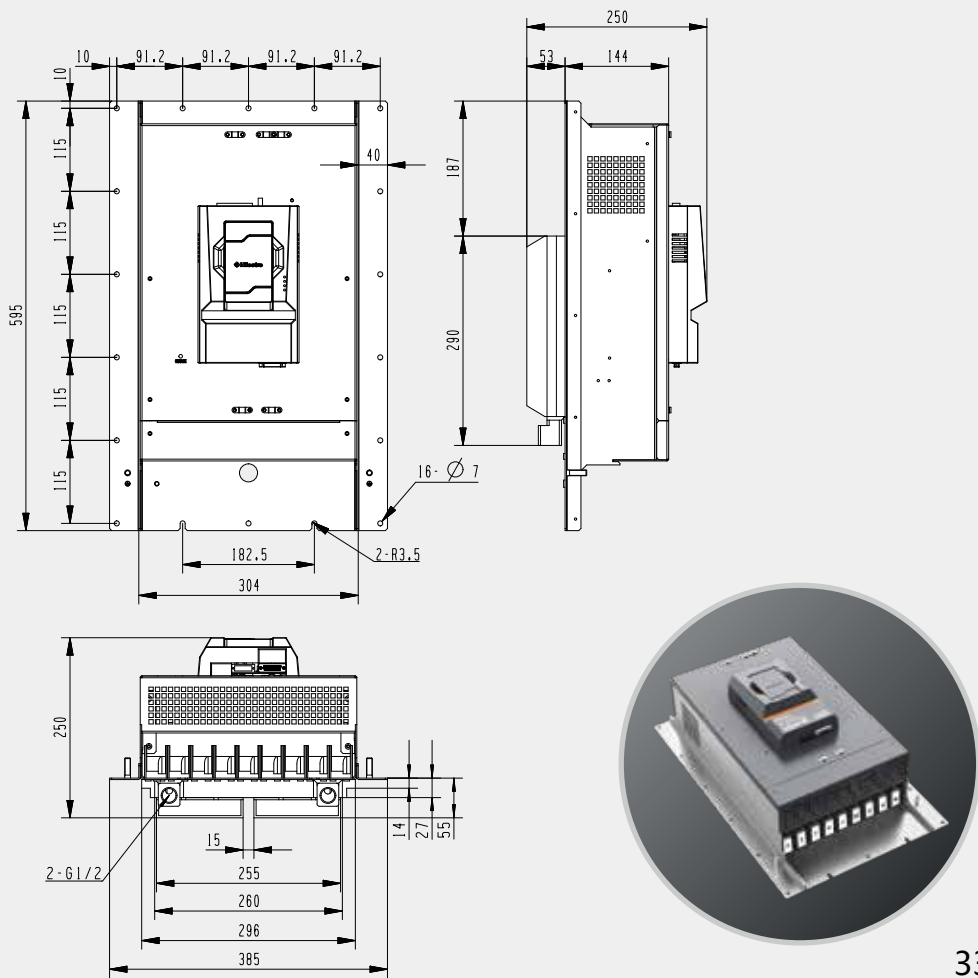
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi301 series
55-75-90kW Liquid Cooling

Model Hi301-4 □□□ XXXX		055	075	090
Housing code		6#		
Maximum applicable motor power (kW)		55	75	90
Output	Rated output capacity (kVA)	80	104	125
	Rated output current (A)	115	150	180
	RMS Maximum Current (A)	230	300	360
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	127	165	198

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi308/368 Series 11~160kW Servo Drive

Features



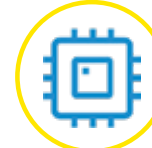
[User-Friendly Operation]
Supports automatic parameter identification
Preloaded motor parameters



[Versatile Functions]
Supports various motor control modes
Supports secondary encoder card
Supports PN card



[High Performance]
High precision and wide speed regulation range
Deliver high torque at low speeds



[Excellence]
Imported chips—mature, stable, and high-performing.



Ordering Code

Hi3*8

-

4

7P5

*

0

2

*

*

*

*

*

Reservation
B: Reservation

Customer Code
V: V-generation customized

Extension Function:
N: None
P: PROFINE card

Master Chip
7:377

Customized Functions
A-Z, example:
N: Standard configuration
P: Programmable LCD operator
F: WIFI operator

Housing Code
0:2.2-4kW 2:3.7-15kW
6:55-90kW 7:110-160kW

Cooling Methods
0: Servo fan cooling

Hardware Version Code
A~Z

Output Power Code
3P7:3.7kW 4P5:4.5kW 011:11kW 160:160kW

Voltage Range
4:380V~440V

Product series
0*: standard 6*: multi-purpose

C: III-generation customized

D: With resolver encoder card
T: TTL encoder card

T: Supports STO (uncertified)
W: Export-specific customization

Control Board Function Overview

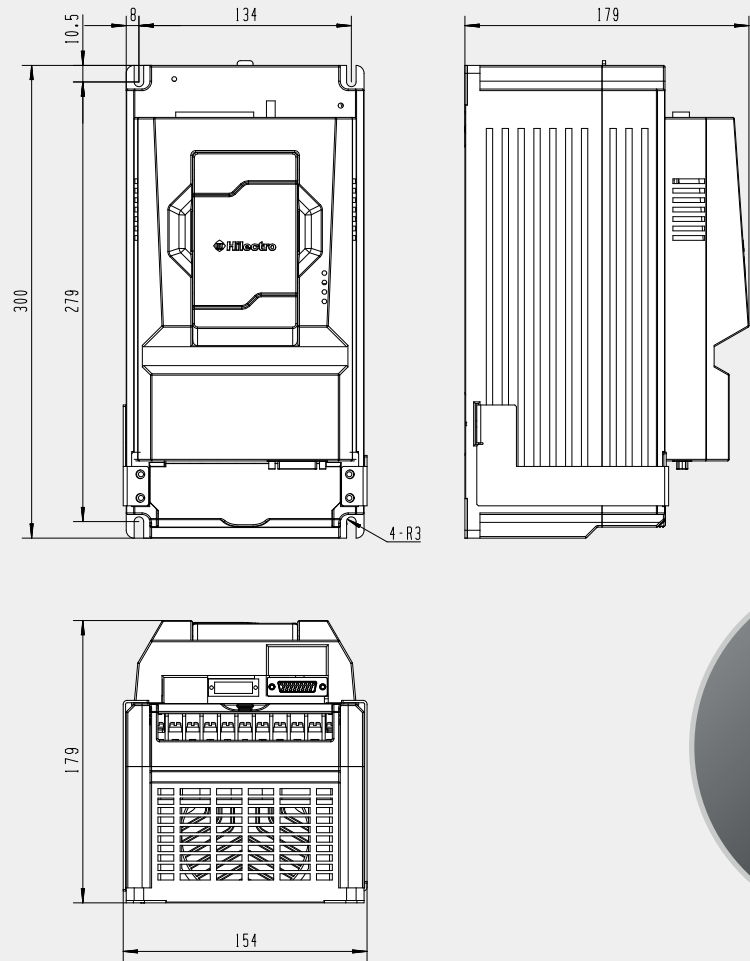
Model & Control Board Functions		Hi308	Hi368
Standard Supported Functions	Digital I/O	●	●
	Analog Input	●	●
	Analog Output	●	●
	KTY/PTC	●	●
	Resolver	●	●
	TTL Encoder	○	●
	Sine/Cosine Encoder	○	●
	BiSS-C Encoder	○	●
	Tamagawa absolute Encoder	○	●
	Hiperface Encoder	○	●
	EnDat 2.1 Encoder	○	●
	EnDat 2.2 Encoder	○	●
	CAN Bus	●	●
	EtherCAT Bus	○	●
Customizable Functions	STO (Without certification)	○	●
	Programmable LCD Operator Panel	●	●
	Resolver Encoder Card	○	●
	TTL Encoder Card	●	●
	PROFINET Expansion Card	●	●

Note 1: ● = Function supported; ○ = Function not supported
Note 2: Customizable functions shall be specified separately when placing orders.

Hi308/368 series
11-15kW Air Cooling

Model Hi308/368-4 □□□ XXXX		011	015
Housing code		2#	
Maximum applicable motor power (kW)		11	15
Output	Rated output capacity (kVA)	17	23
	Rated output current (A)	24	33
	RMS Maximum Current (A)	48	66
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	31	43

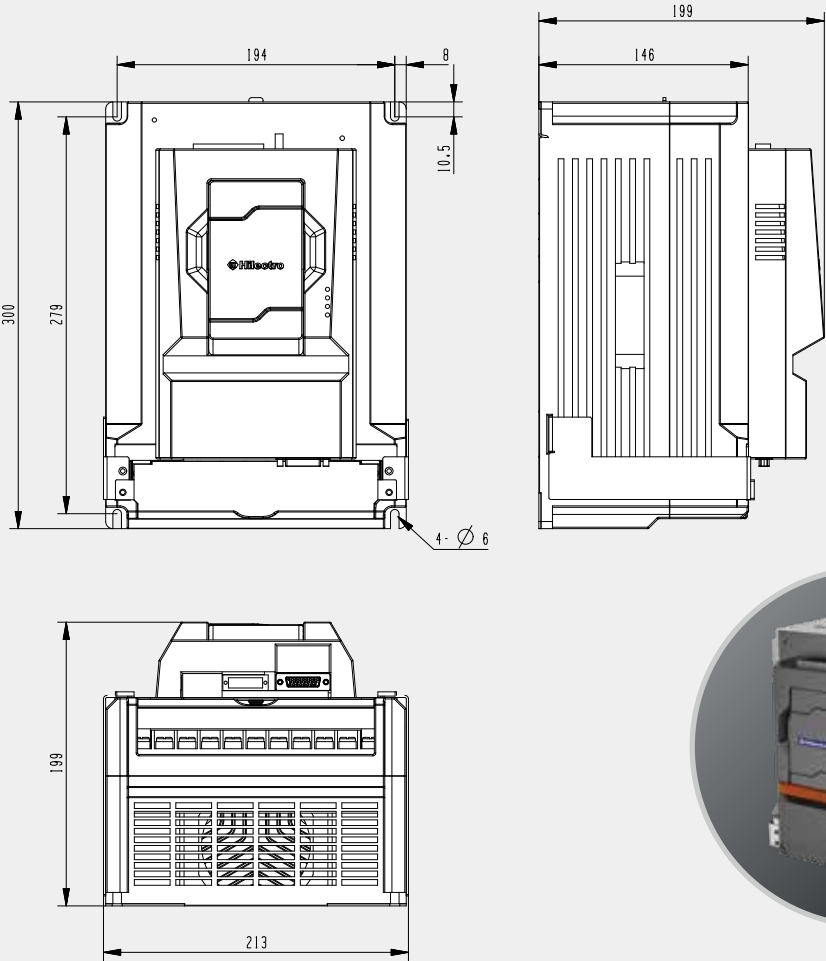
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi308/368 series
18-22-30kW Air Cooling

Model Hi308/368-4 □□□ XXXX		018	022	030
Housing code		3#		
Maximum applicable motor power (kW)		18.5	22	30
Output	Rated output capacity (kVA)	26	31	42
	Rated output current (A)	37	45	60
	RMS Maximum Current (A)	74	90	120
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 440		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	45	50	66

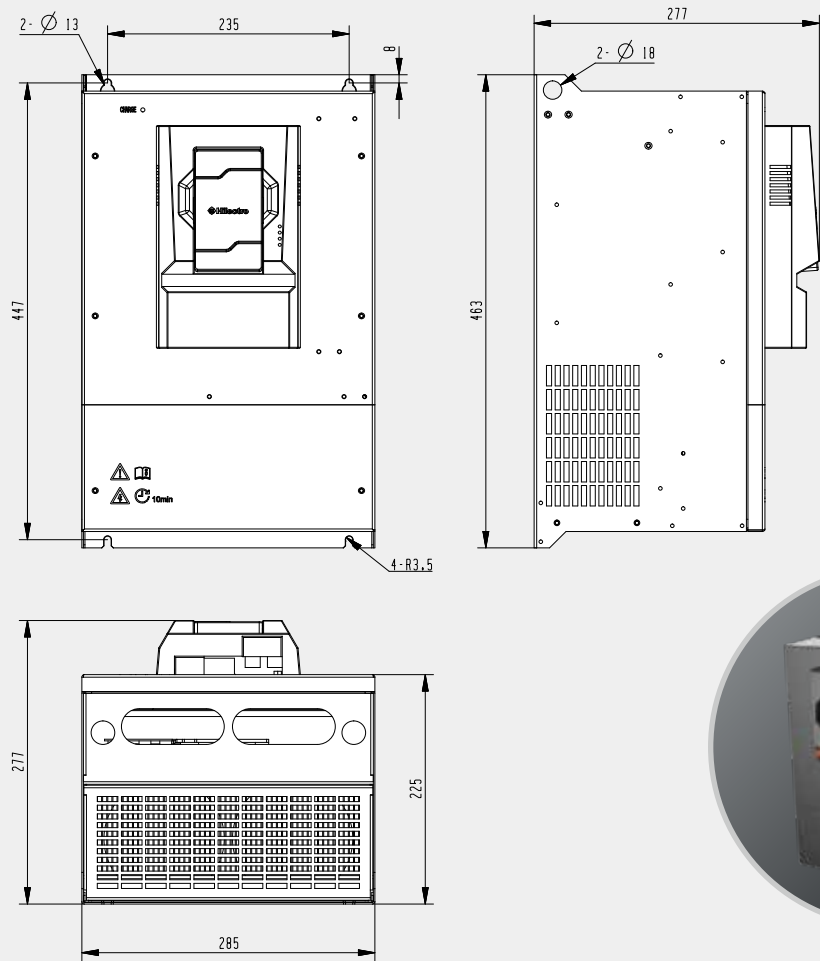
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi308/368 series
37-45kW Air Cooling

Model Hi308/368-4 □□□ XXXX		037	045
Housing code		5#	
Maximum applicable motor power (kW)		37	45
Output	Rated output capacity (kVA)	52	62
	Rated output current (A)	75	90
	RMS Maximum Current (A)	150	180
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	76	92

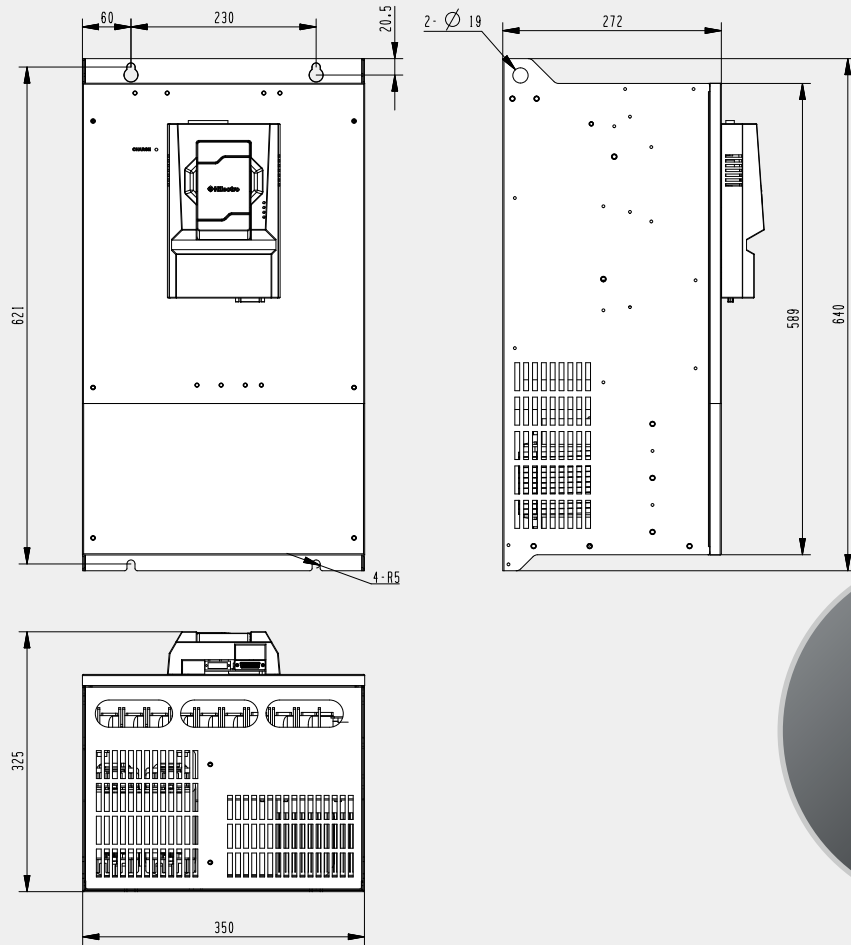
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.



Hi308/368 series
55-75-90kW Air Cooling

Model Hi308/368-4 □□□ XXXX		055	075	090
Housing code		6#		
Maximum applicable motor power (kW)		55	75	90
Output	Rated output capacity (kVA)	80	104	125
	Rated output current (A)	115	150	180
	RMS Maximum Current (A)	230	300	360
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440(following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 440		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	119	155	185

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters in the electrical parameter table are measured at a switching frequency of 4kHz. Increasing the switching frequency will reduce the output capacity of the drive.

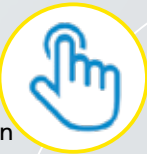


Hi300/360 Series 2.2–315 kW Servo Drive

Features

【High Usability】

Supports automatic parameter identification
Comes with abundant preloaded motor parameters



【Wide Range of Applications】

Plastic machinery, pipe extrusion equipment, rubber machinery, metal die-casting machines, hydraulic presses, bending machines



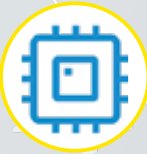
【Long Service Life】

Sufficient design margin reserved for core components



【High Performance】

Built on mature and stable imported TIC2000 chip platform with outstanding performance



【High Reliability】

Passed rigorous industrial-grade tests;
Equipped with imported key components;
Certified with CE, UL and STO standards.



Ordering Code

Hi3** - 4 7P5 * 0 2 * * * *

Reservation
B: Reservation

Customer Code
V: V-generation customized

C: III-generation customized

Extension Function:
N: None
P: PROFINE card

D: With resolver encoder card
T: TTL encoder card

Master Chip
6:P65

7:377

Customized Functions
A-Z, example:
N: Standard
T: Support STO
S: Special mounting dimensions
F: WIFI operator

E: Support Endat
P: Programmable LCD operator
W: Foreign trade customization

Housing Code
0:2.2-4kW
5:37-45kW
9:280-315kW

1:5.5-7.5kW
6:55-90kW

2:55-15kW
7:110-160kW

3:18.5-30kW
8:200-315kW

Cooling Methods
0: Servo fan cooling
5: Though-wall air cooling

2: liquid cooling

Hardware Version Code
A~Z

Output Power Code
2P2:2.2kW
4P0:4.0kW
315:315kW

Voltage Range
4:380V~440V

Product series
0*: standard
6*: multi-purpose

Control Board Function Overview

型号与控制板功能		Hi300	Hi360			
		2# - 9#	0#	1# (Full-featured version)	1# (Standard version)	2# - 9#
Standard Supported Functions	Digital I/O	●	●	●	●	●
	Analog Input	●	●	●	○	●
	Analog Output	●	●	○	○	●
	KTY/PTC	●	●	●	●	●
	Resolver	●	●	●	●	●
	TTL Encoder	○	●	●	●	●
	TTL-UVW Encoder	○	○	●	○	○
	Sine/Cosine Encoder	○	○	○	○	●
	BiSS-C Encoder	○	●	●	●	●
	Tamagawa absolute Encoder	○	●	●	●	●
	Hiperface Encoder	○	○	○	○	●
	EnDat 2.1 Encoder	○	○	○	○	●
	EnDat 2.2 Encoder	○	●	●	●	●
	CAN Bus	●	●	○	○	●
Customizable Functions	EtherCAT Bus	○	●	●	●	●
	STO (Without certification)	○	●	●	○	●
	Programmable LCD Operator Panel	●	○	○	○	●
	485 Operator Panel	●	○	○	○	●
	Resolver Encoder Card	○	○	○	○	●
	TTL Encoder Card	●	●	●	●	●
	Tamagawa absolute Encoder Card	○	●	○	○	○
	Sine/Cosine Encoder Card	○	○	○	○	●
	EnDat 2.1 Encoder Card	○	○	○	○	●
	EnDat 2.2 Encoder Card	○	○	○	○	●
	PROFINET Expansion Card	●	○	○	○	●
	TTL/Pulse Input + Analog Simulation Output Expansion Card	●	●	●	●	●
	Modbus Bus	○	●	○	○	○

Note 1: ● stands for supported function (Models 2#~8# of Hi360 series are equipped with STO certification), and ○ stands for unsupported function.

Note 2: Only one type of customizable expansion card can be selected. Please clearly specify your choice when placing orders.

Note 3: Housing 1# is available in standard version or full-function version. Please consult our sales staff and make special remarks at order placement.

Hi360 series
2.2-4kW Air Cooling

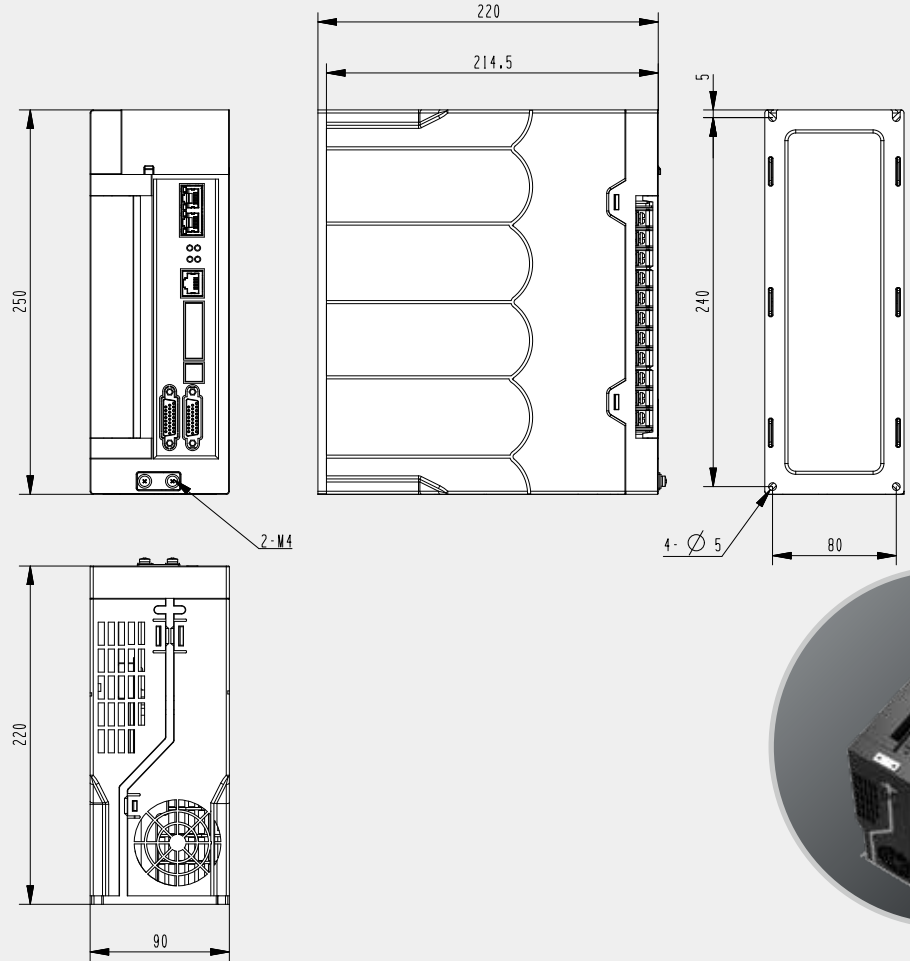
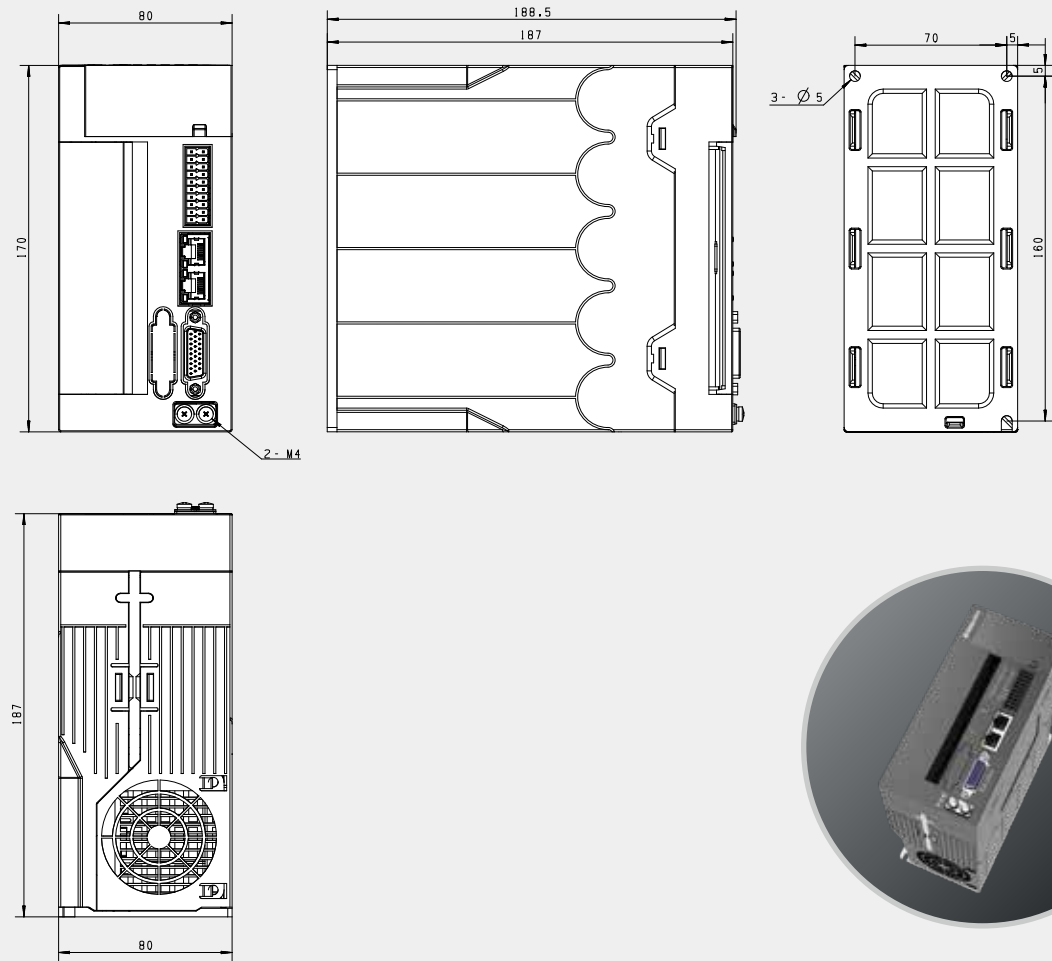
Model Hi360-4 □□□ XXXX		2P2	4P0
Housing code		0#	
Maximum applicable motor power (kW)		2.2	4
Output	Rated output capacity (kVA)	4	6.6
	Rated output current (A)	5.8	9.5
	RMS Maximum Current (A)	14.5	23.8
	Overload capacity	200%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	7	12

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.

Hi360 series
5.5-7.5kW Air Cooling

Model Hi360-4 □□□ XXXX		5P5	7P5
Housing code		1#	
Maximum applicable motor power (kW)		5.5	7.5
Output	Rated output capacity (kVA)	8.3	11.4
	Rated output current (A)	12	16.5
	RMS Maximum Current (A)	30	41.3
	Overload capacity	200%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	17	21

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.

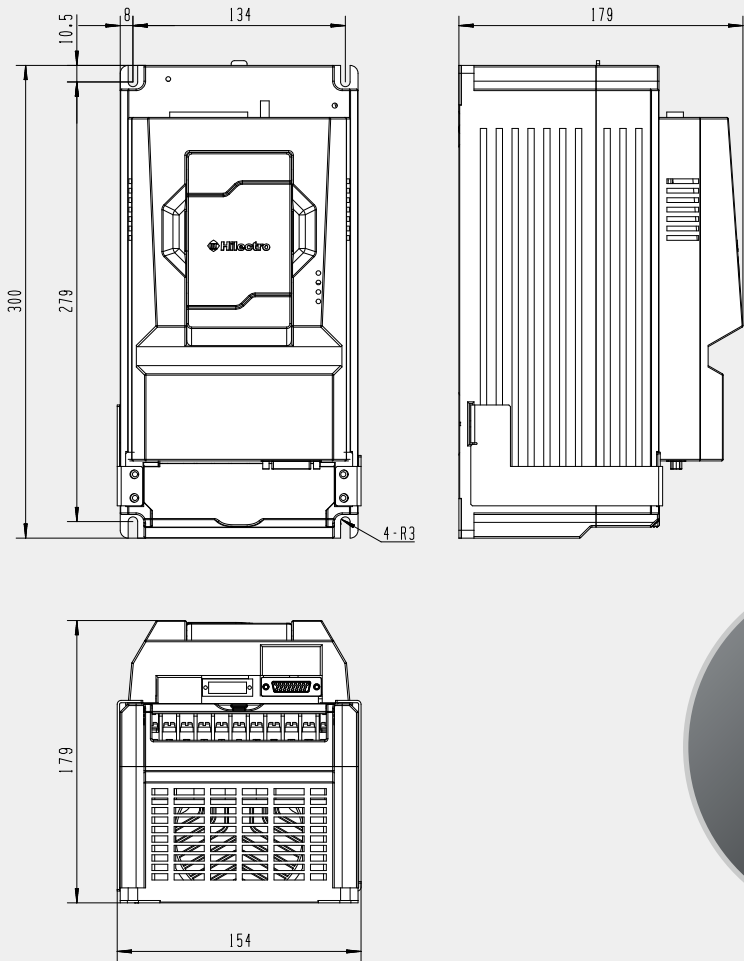


Hi300/360 系列

11-15kW Air Cooling

Model Hi300/360-4 □□□ XXXX		011	015
Housing code		2#	
Maximum applicable motor power (kW)		11	15
Output	Rated output capacity (kVA)	17	23
	Rated output current (A)	24	33
	RMS Maximum Current (A)	48	66
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
	Maximum output frequency (Hz)	400	
Input	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	31	43

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.

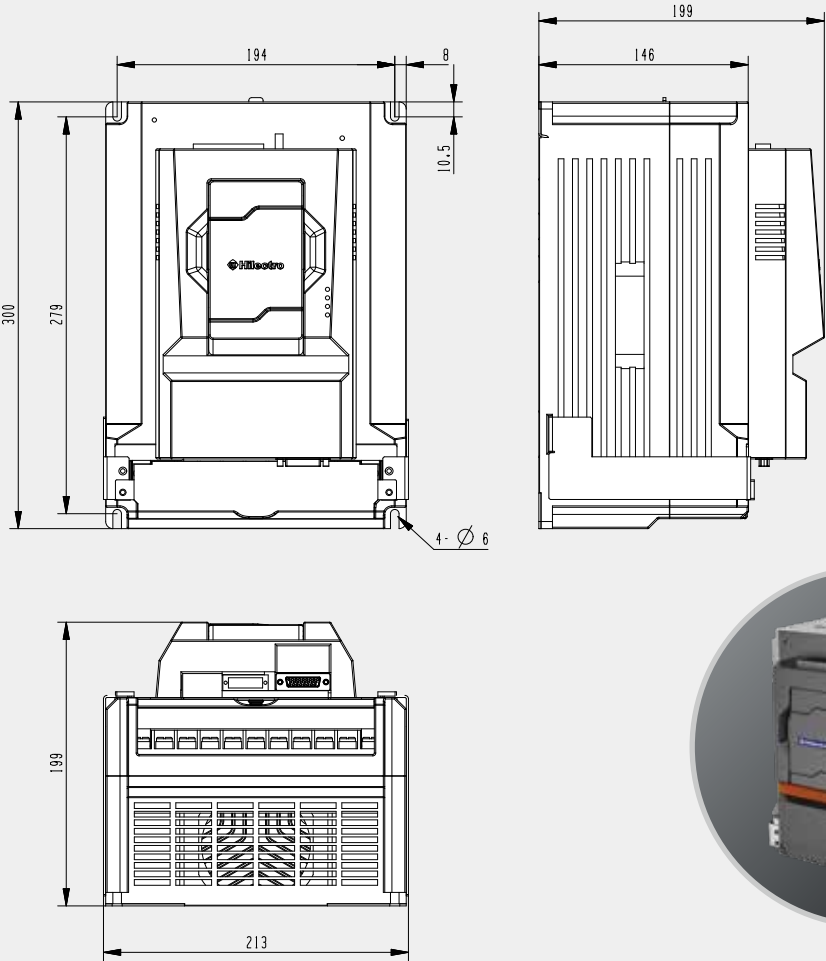


Hi300/360 系列

18-22-30kW Air Cooling

Model Hi300/360-4 □□□ XXXX		018	022	030
Housing code		3#		
Maximum applicable motor power (kW)		18.5	22	30
Output	Rated output capacity (kVA)	26	31	42
	Rated output current (A)	37	45	60
	RMS Maximum Current (A)	74	90	120
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	45	50	66

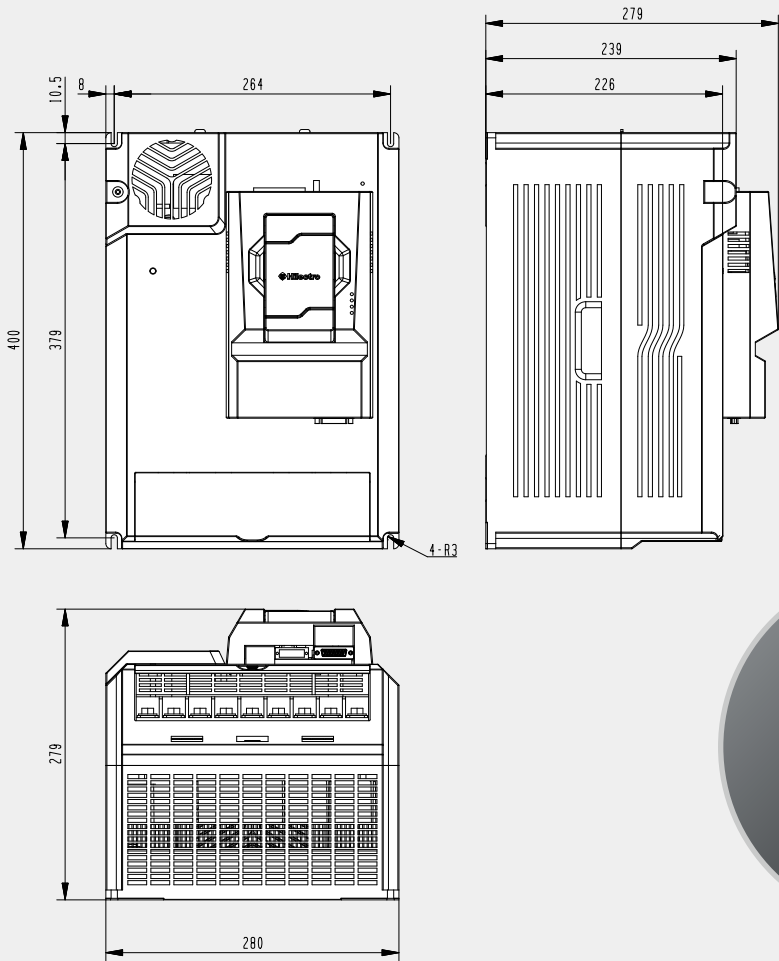
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
37-45kW Air Cooling

Model Hi300/360-4 □□□ XXXX		037	045
Housing code		5#	
Maximum applicable motor power (kW)		37	45
Output	Rated output capacity (kVA)	52	62
	Rated output current (A)	75	90
	RMS Maximum Current (A)	150	180
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
Input	Maximum output frequency (Hz)	400	
	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	83	99

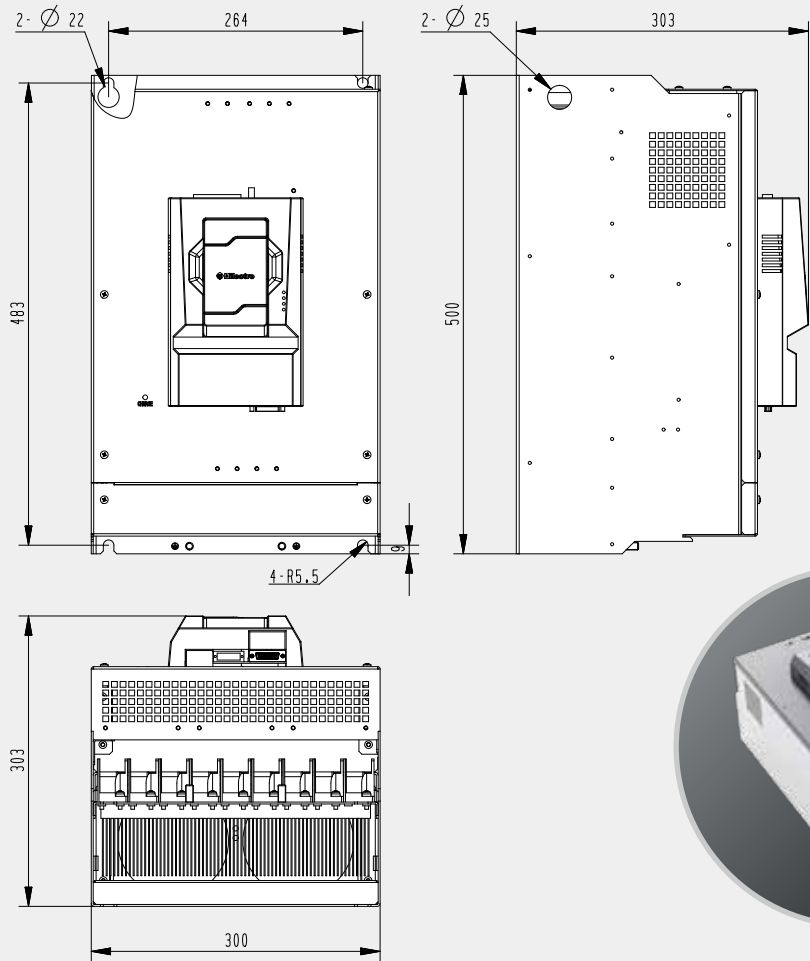
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
55-75-90kW Air Cooling

Model Hi300/360-4 □□□ XXXX		055	075	090
Housing code		6#		
Maximum applicable motor power (kW)		55	75	90
Output	Rated output capacity (kVA)	80	104	125
	Rated output current (A)	115	150	180
	RMS Maximum Current (A)	230	300	360
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
Input	Maximum output frequency (Hz)	400		
	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	127	165	198

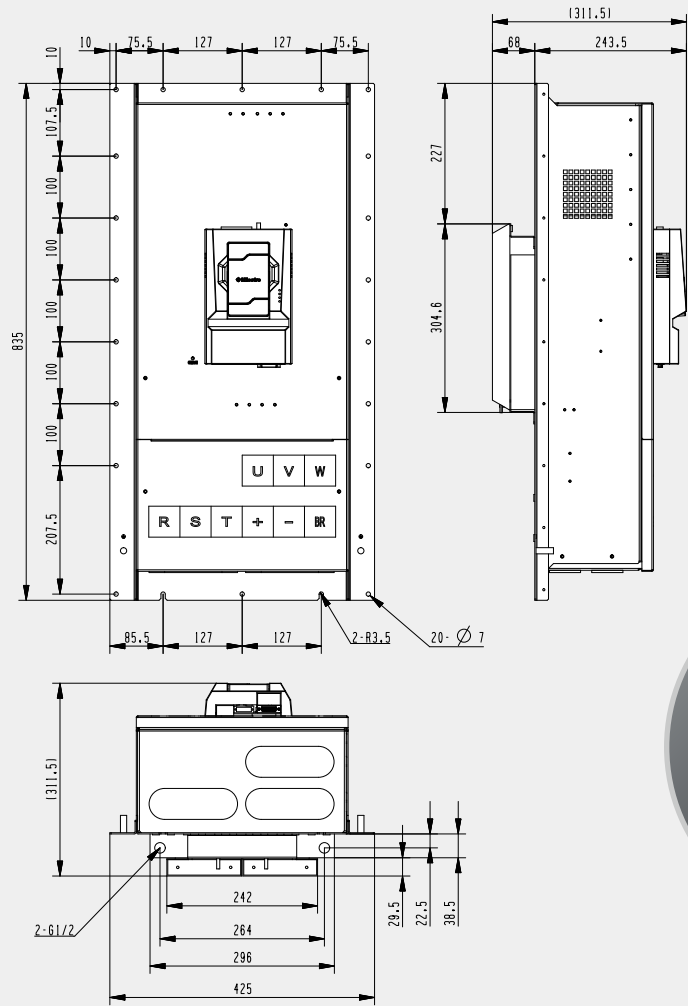
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
110-132-160kW Air Cooling

Model Hi300/360-4 □□□ XXXX		110	132	160
Housing code		7#		
Maximum applicable motor power (kW)		110	132	160
Output	Rated output capacity (kVA)	145	173	208
	Rated output current (A)	210	250	300
	RMS Maximum Current (A)	420	500	500
	Overload capacity	150%, 60s		150%, 60s
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	231	275	330

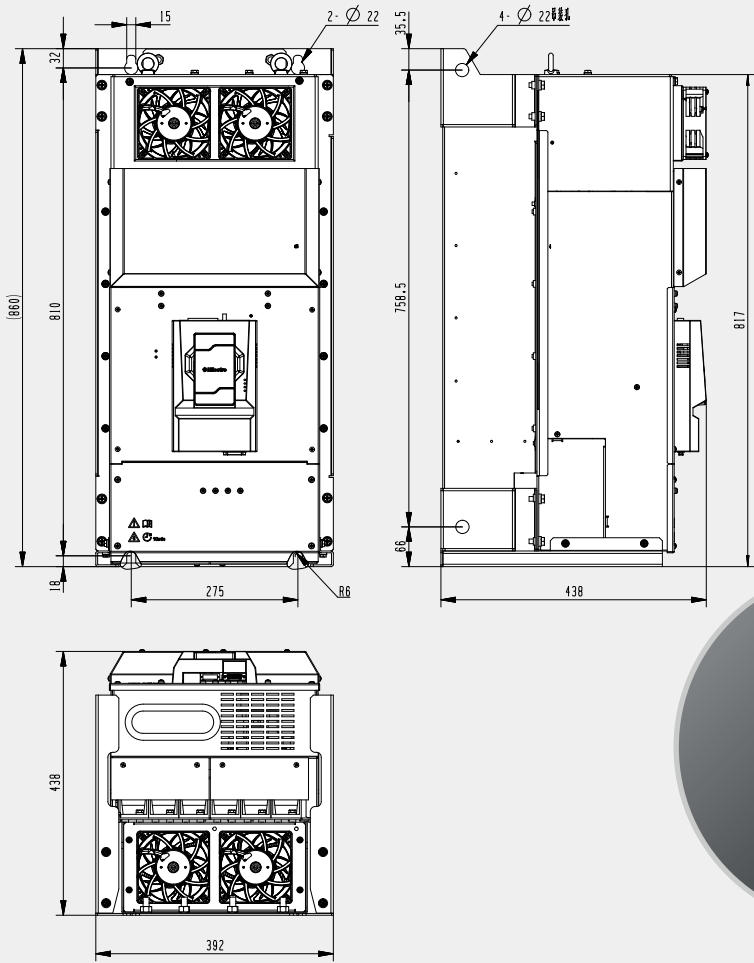
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
200-250kW Air Cooling

Model Hi300/360-4 □□□ XXXX		200	250
Housing code		8#B	
Maximum applicable motor power (kW)		200	250
Output	Rated output capacity (kVA)	256	319
	Rated output current (A)	370	460
	RMS Maximum Current (A)	712.5	950
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
	Maximum output frequency (Hz)	400	
Input	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	385	483

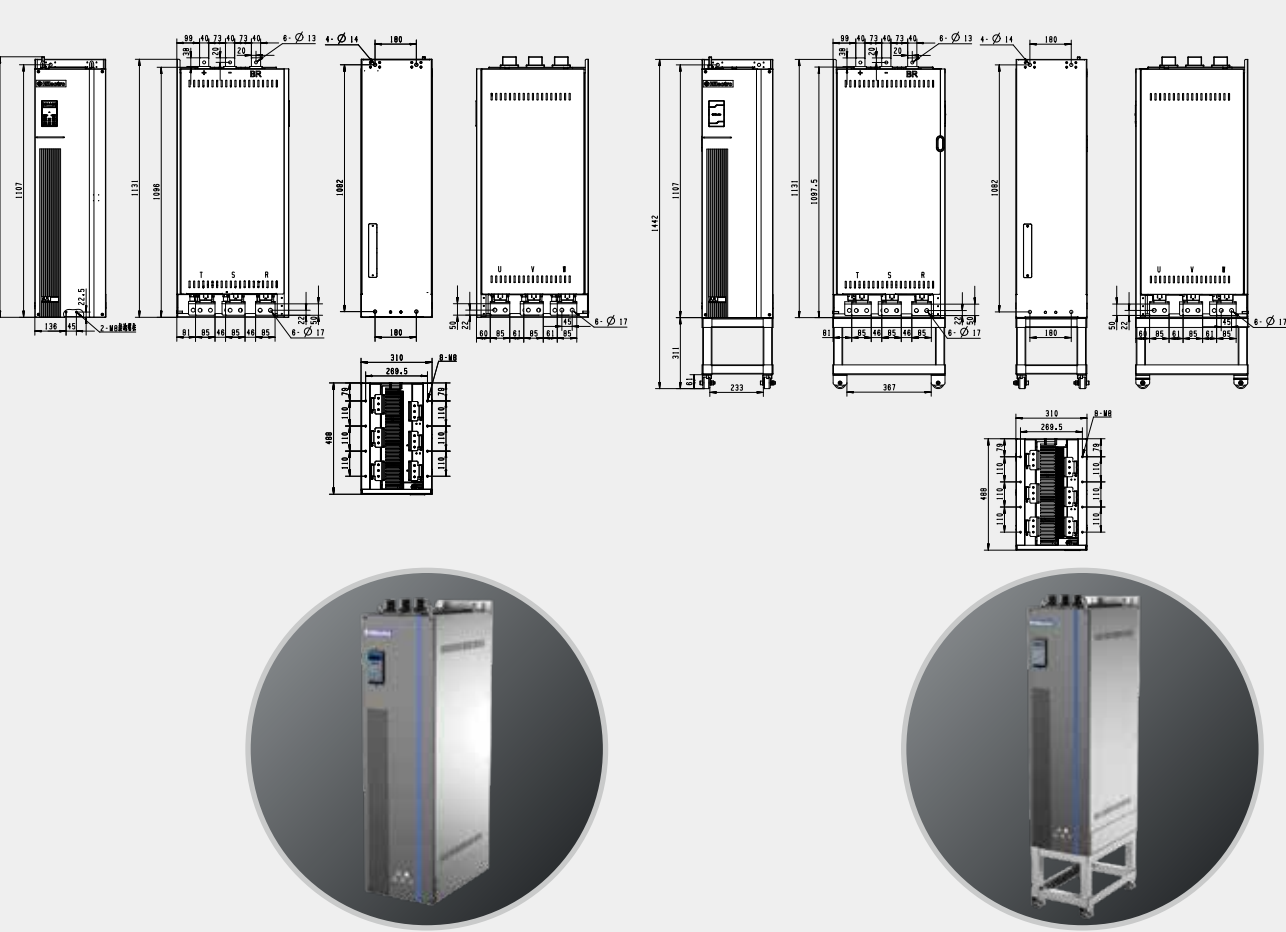
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
280-315kW Air Cooling

Model Hi300/360-4 □□□ XXXX		280	315
Housing code		9#	
Maximum applicable motor power (kW)		280	315
Output	Rated output capacity (kVA)	360	405
	Rated output current (A)	520	585
	RMS Maximum Current (A)	1000	1000
	Overload capacity	150%, 60s	
	Rated output voltage (V)	2kHz	
	Maximum output voltage (V)	400	
	Maximum output frequency (Hz)	3 phases, 380 ~ 480 (following input voltage)	
Input	Voltage range (V)	400	
	Allowable frequency fluctuation (Hz)	3 phases, 380 ~ 480	
	Allowable voltage fluctuation (V)	50/60 ± 5%	
	Rated input current (A)	510	567

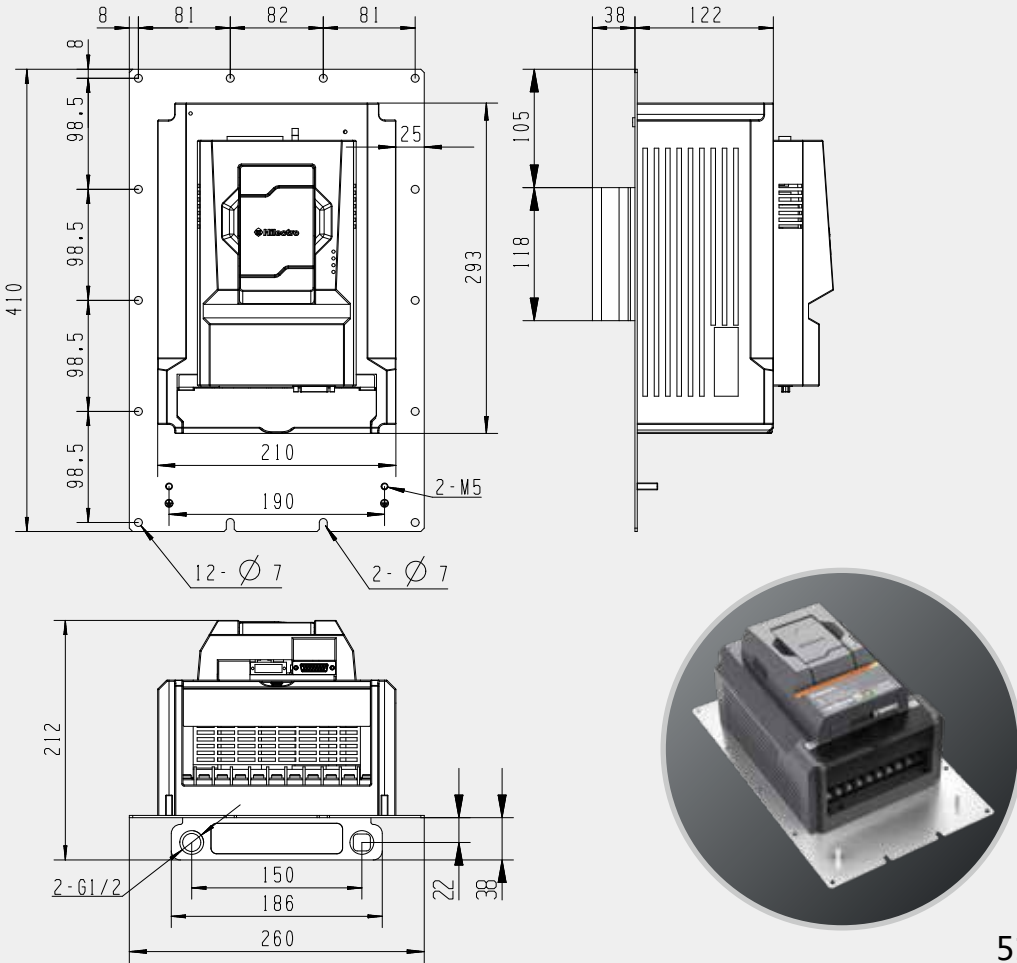
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
18-22-30kW Liquid Cooling

Model Hi300/360-4 □□□ XXXX		018	022	030
Housing code		3#		
Maximum applicable motor power (kW)		18.5	22	30
Output	Rated output capacity (kVA)	26	31	42
	Rated output current (A)	37	45	60
	RMS Maximum Current (A)	74	90	120
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	45	50	66

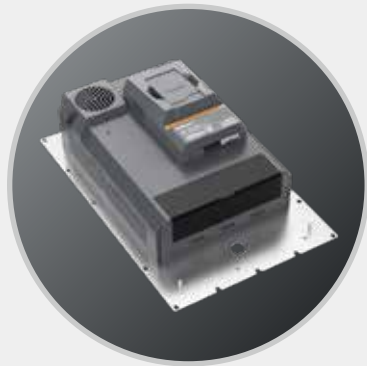
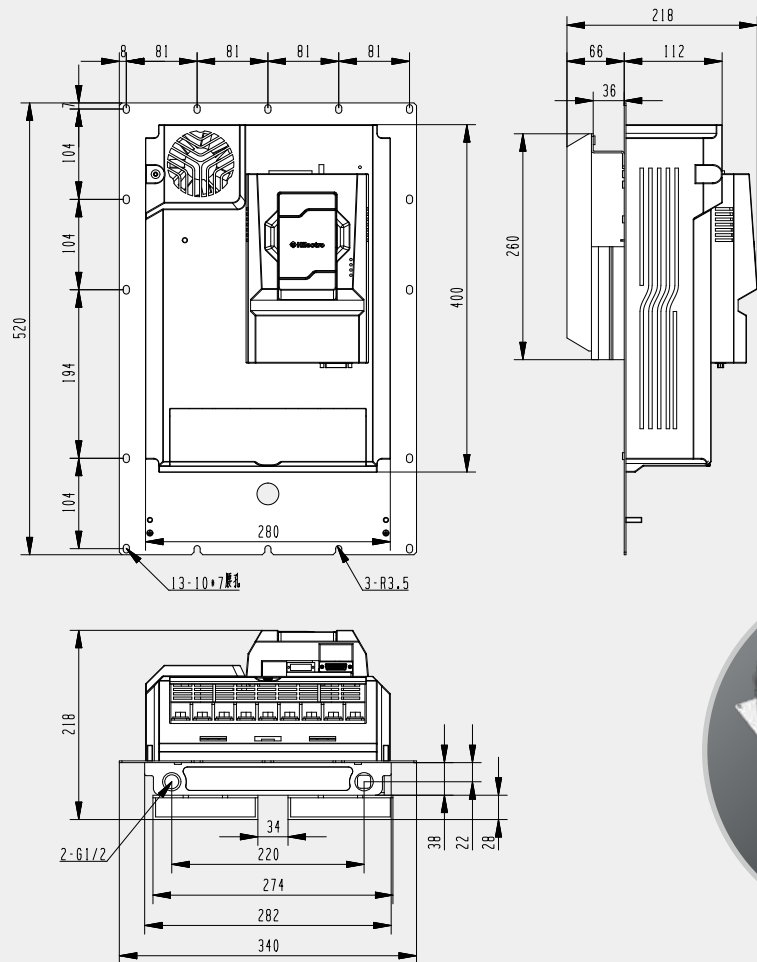
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
37-45kW Liquid Cooling

Model Hi300/360-4 □□□ XXXX		037	045
Housing code		5#	
Maximum applicable motor power (kW)		37	45
Output	Rated output capacity (kVA)	52	62
	Rated output current (A)	75	90
	RMS Maximum Current (A)	150	180
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)	
	Maximum output frequency (Hz)	400	
Input	Voltage range (V)	3 phases, 380 ~ 480	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	83	99

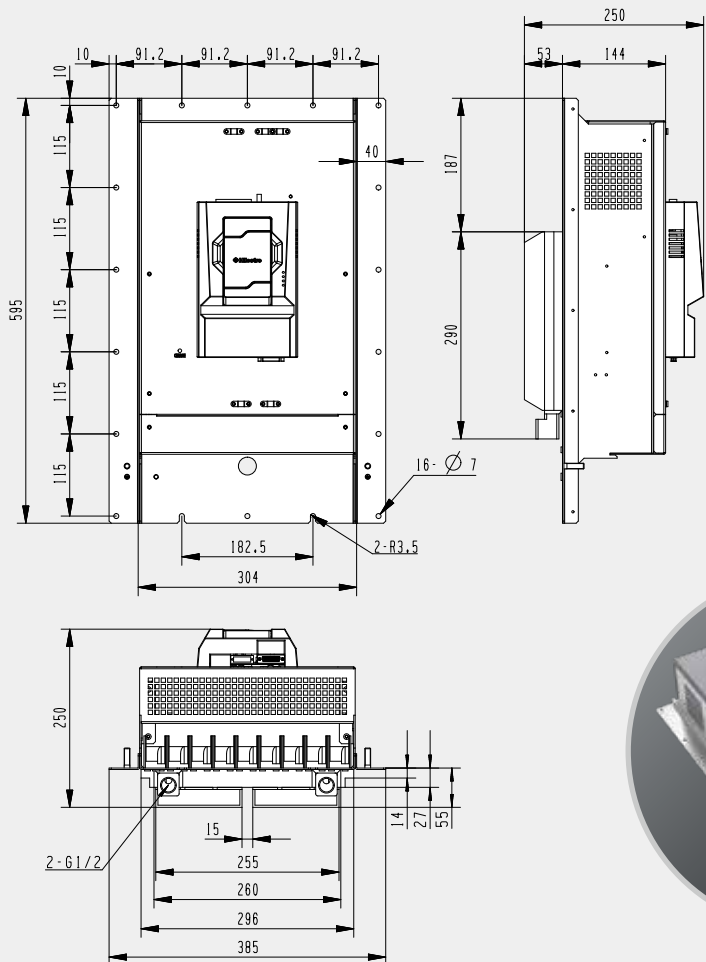
- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.



Hi300/360 series
55-75-90kW Liquid Cooling

Model Hi300/360-4 □□□ XXXX		055	075	090
Housing code		6#		
Maximum applicable motor power (kW)		55	75	90
Output	Rated output capacity (kVA)	80	104	125
	Rated output current (A)	115	150	180
	RMS Maximum Current (A)	230	300	360
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	127	165	198

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.

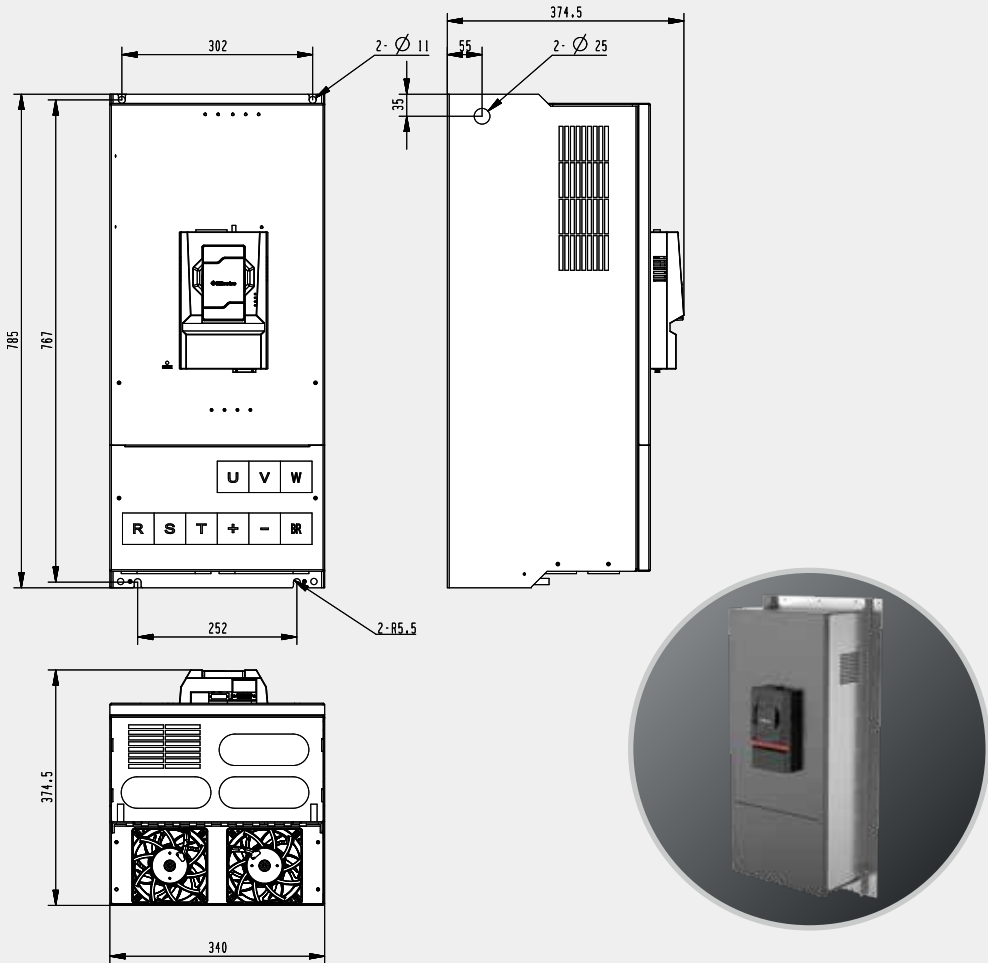


Hi300/360 series

110-132-160kW Liquid Cooling

Model Hi300/360-4 □□□ XXXX		110	132	160
Housing code		7#		
Maximum applicable motor power (kW)		110	132	160
Output	Rated output capacity (kVA)	145	173	208
	Rated output current (A)	210	250	300
	RMS Maximum Current (A)	420	500	500
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	231	275	330

- Note:**
- Within the allowable input voltage range, the actual rated output current and rated output power of the drive during operation shall not exceed the rated values specified in the electrical parameter table.
 - The rated input current varies depending on conditions such as power supply impedance, input reactor, DC reactor and output load.
 - The rated parameters listed in the electrical parameter table are tested at a switching frequency of 4kHz.
 - Increasing the switching frequency will reduce the drive's output capacity.

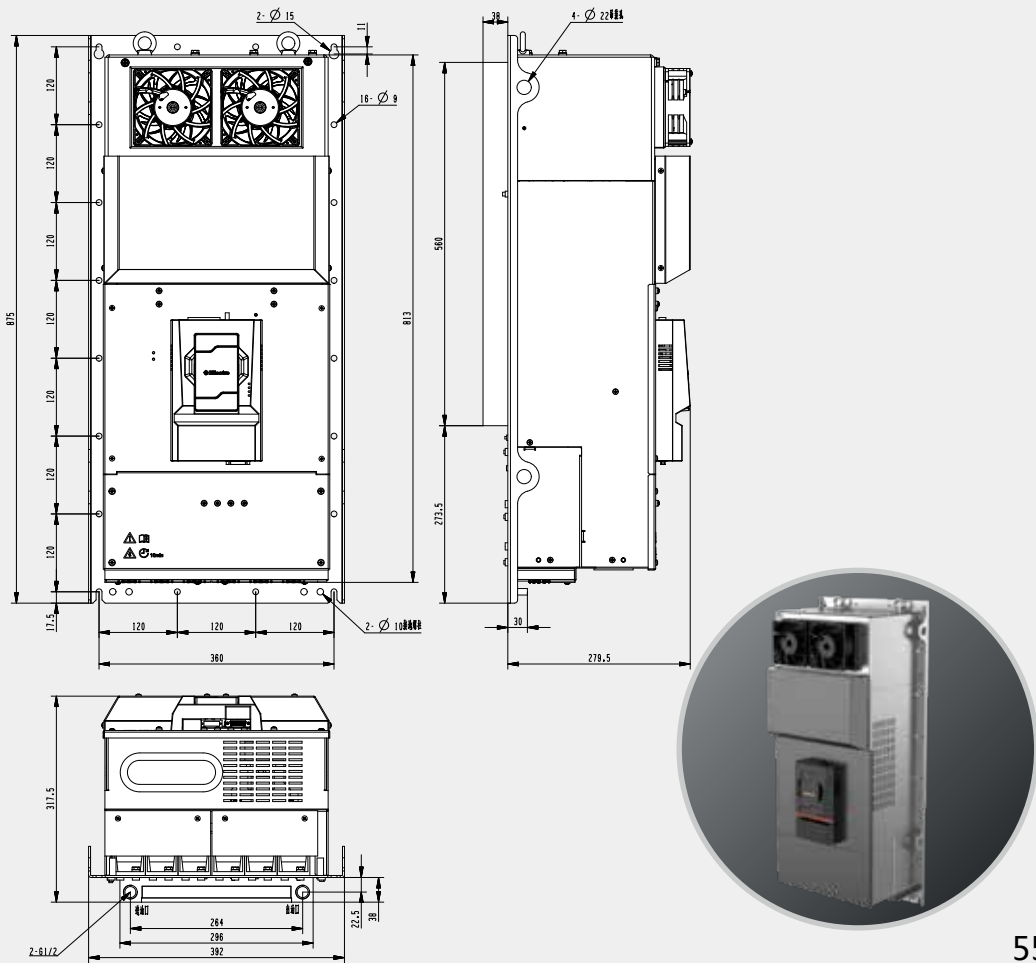


Hi300/360 series

200-250-315kW Liquid Cooling

Model Hi300/360-4 □□□ XXXX		200	250	315
Housing code		8#B		
Maximum applicable motor power (kW)		200	250	315
Output	Rated output capacity (kVA)	256	319	395
	Rated output current (A)	370	460	570
	RMS Maximum Current (A)	712.5	950	950
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 480 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 480		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	385	483	598

- Note:**
- Within the allowable input voltage range, ensure the actual rated output current and rated output power of the drive during operation do not exceed the rated values specified in the electrical parameter table.
 - The rated input current will fluctuate depending on factors such as power supply impedance, input reactor, DC reactor and output load.
 - For 8#B liquid-cooled frame (315kW):Overload capacity: 150% for 60 seconds at a switching frequency of 2kHz. Minimum cooling requirement: inlet oil temperature 45°C, flow rate 15L/min. When switching frequency rises to 4kHz, the overload capacity reduces to 125% for 60 seconds. If cooling condition changes to inlet oil temperature 55°C with flow rate 30L/min, the overload capacity will be further degraded.



S9000 Common Bus Series 3.7~200kW Servo Drive

Product Overview

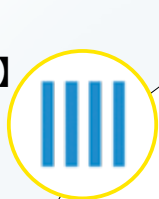
The S9000 series is a high-performance servo drive based on a common DC bus architecture. Utilizing Active Front-End (AFE) technology, it achieves efficient energy conversion and regeneration, significantly reducing energy losses in multi-motor systems during coordinated operation and frequent start-stop cycles. Characterized by high power density, exceptional reliability, and flexible scalability, the product is designed to provide core drive capabilities for industrial applications demanding rigorous standards in energy efficiency and dynamic performance.



Features

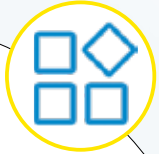
【Compact Design】

Book-style stacked layout saves up to 20% installation space.



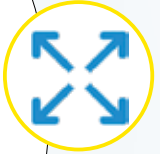
【High Performance & Multi-function】

Strong instantaneous overload capability and high-precision control
Compatible with various encoders and communication protocols
Ample I/O interfaces, multiple built-in control modes



【Flexible Expansion】

Rectifier and inverter modules can be freely combined to match different application scenarios.



【Improved Energy Efficiency】

Realizes energy recycling through the common DC bus, reduces the number of braking resistors and cuts down overall system costs.



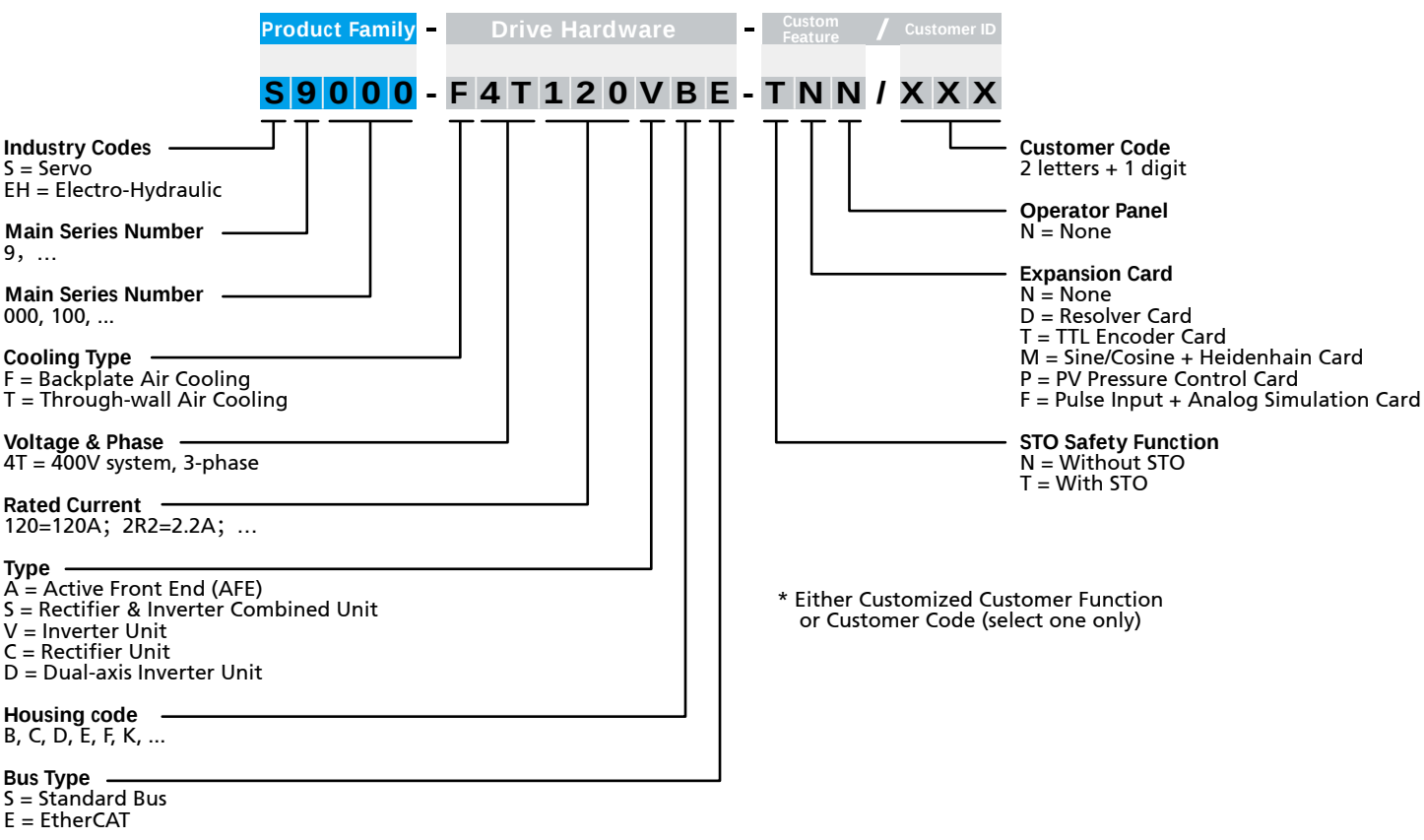
【High Reliability】

Rigorous industrial-grade testing, imported key components, and sufficient design margin for core parts.
Certified with CE, UL and STO safety functions.

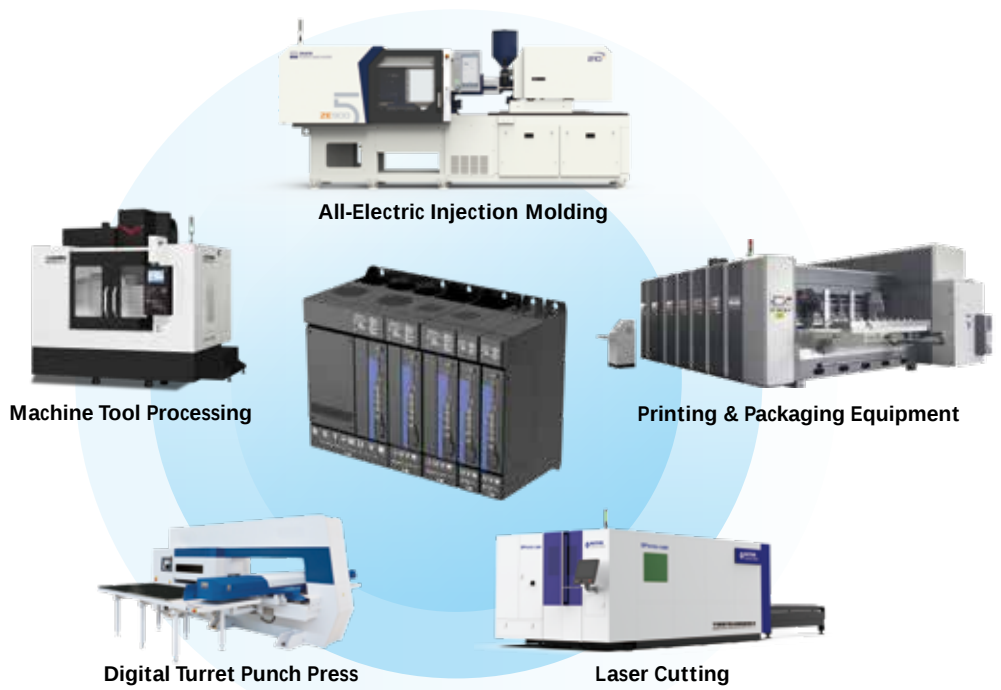


Hi6 Series Drive

Ordering Code



Application



Control Board Function Overview

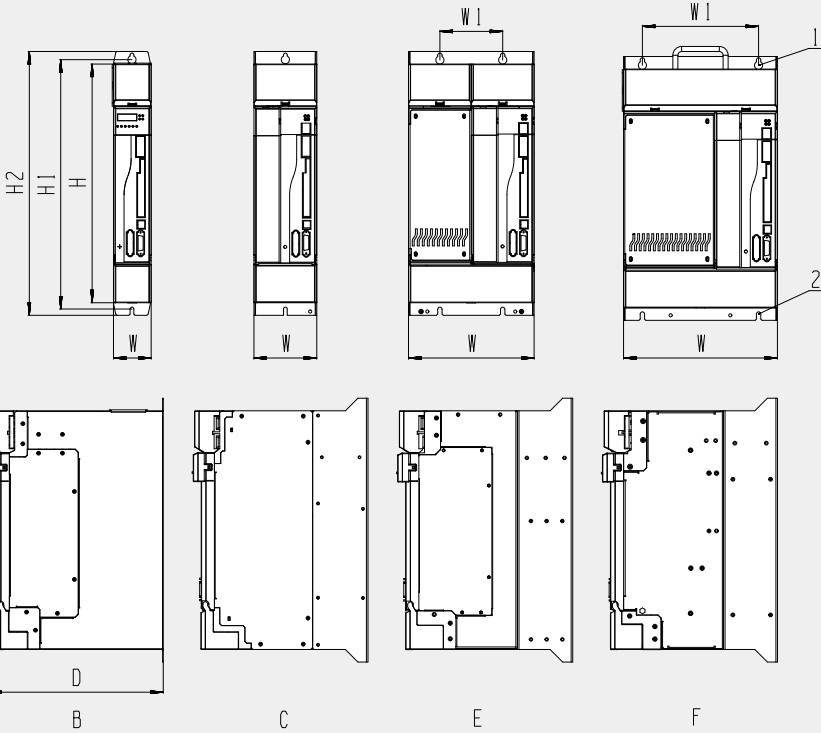
Model & Control Board Functions		S9000
Standard Supported Functions	Digital I/O	●
	Analog Input	●
	Analog Output	●
	KTY/PTC	●
	Resolver	●
	TTL Encoder	●
	TTL-UVW Encoder	●
	Sine/Cosine Encoder	●
	BiSS-C Encoder	●
	Tamagawa absolute Encoder	●
	Nikon absolute Encoder	●
	Hiperface Encoder	●
	EnDat 2.1 Encoder	●
	EnDat 2.2 Encoder	●
	CAN Bus	●
	EtherCAT Bus	●
	STO	●

Note 1: ● = Function supported; ○ = Function not supported
Note 2: Customizable functions shall be specified separately when placing orders.

S9000-F series
Inverter-Backplate Air Cooling

Model S9000-F4T □□□ V**-XXX		010	014	020	030	040	060	090	120	180
Housing code		B			C			E	F	
Cooling method		Backplate Air Cooling								
Maximum applicable motor power (kW)		3.7	5.5	7.5	15	22	30	45	55	90
Inverter	Rated output capacity (kVA)	7	10	14	21	28	42	62	83	125
	Rated output current (A)	10	14	20	30	40	60	90	120	180
	RMS Maximum Current (A)	20	28	40	60	80	120	180	240	360
	Overload capacity	150% (≥ 5Hz) , 60s								
	Rated output voltage (V)	400								
	Output voltage range (V)	0 ~ Rectified input voltage								
	Rated switching frequency (kHz)	4								2
	Maximum output frequency (Hz)	400								

Note: Through-Wall air-cooling is also available for housing B, C, E, and F. Please contact sales if required.



Housing code	Overall dimensions (mm)				Mounting dimensions (mm)		Mounting hole diameter (mm)	
	H2	H	W	D	W1	H1	1	2
B	420	380	60	280	-	397	φ13	φ7
C	420	380	100	280	-	397	φ13	φ7
E	420	380	200	280	100	397	φ13	φ7
F	420	380	245	280	185	397	φ13	φ7

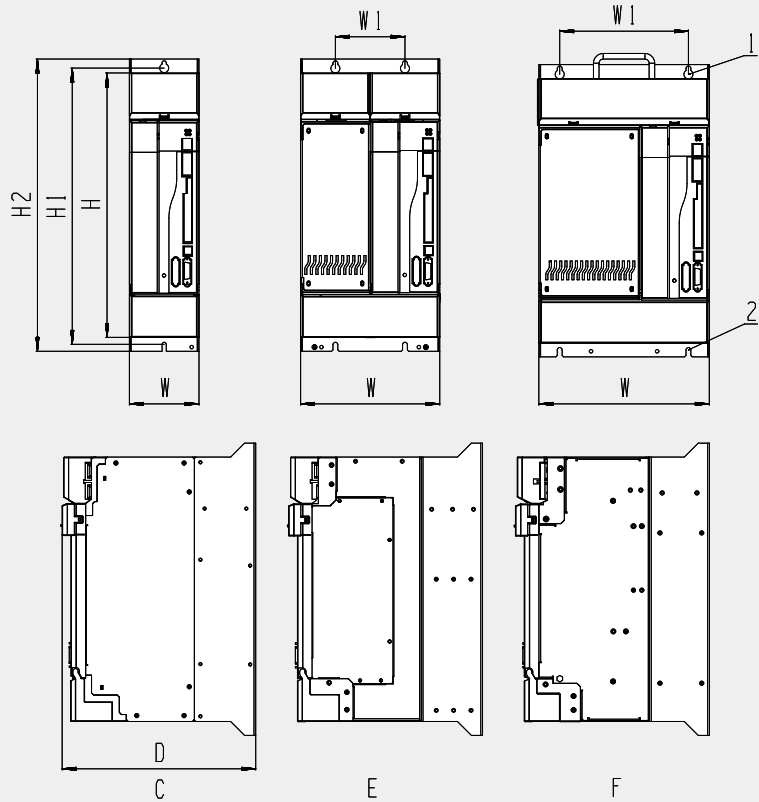
S9000-F series
Inverter-Backplate Air Cooling

Model S9000-F4T □□□ S**-XXX		060	090	120	180
Housing code		C	E	F	
Maximum applicable motor power (kW)		30	45	55	90
Inverter	Rated output capacity (kVA)	42	63	84	125
	Rated output current (A)	60	90	120	180
	Rated switching frequency (kHz)	4			2
	Maximum RMS current (A)	120	180	240	360
	Overload capacity	150% (≥ 5Hz) , 60s			
	Rated output voltage (V)	400			
	Output voltage range (V)	0 ~ Rectified input voltage			
	Maximum output frequency (Hz)	400			
Rectifier	Voltage range (V)	3 phases, 380 ~ 480			
	Allowable frequency fluctuation (Hz)	50/60±5%			
	Allowable voltage fluctuation (V)	-15% ~ +10%			
	Rated input current (A)	66	99	198	

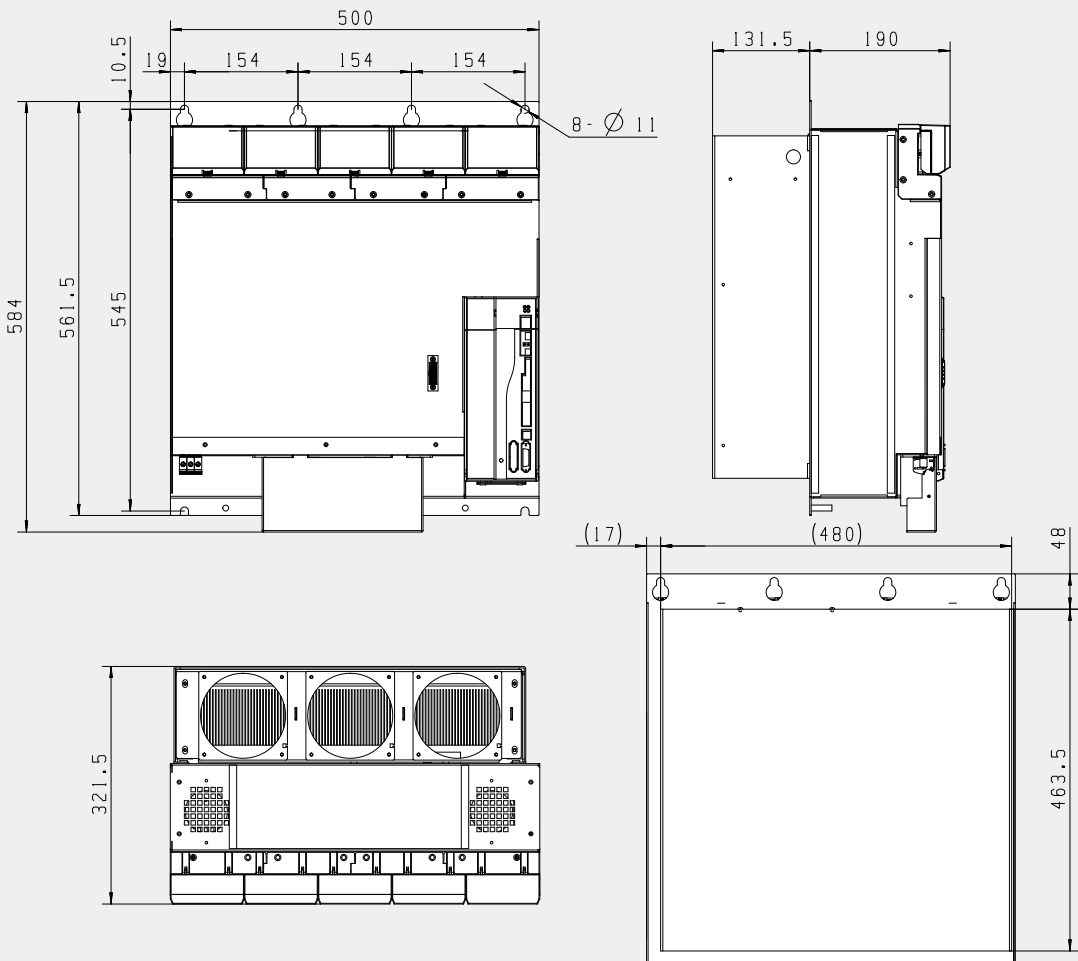
Note 1: Through-Wall air-cooling is also available for housing B, C, E, and F. Please contact sales if required.
Note 2: The rectifier capacity of F housing is 90kW.

S9000-T series
Inverter - Through-Wall Air Cooling

Model S9000-T4T397VK*-XXX		397
Housing code		K
Maximum applicable motor power (kW)		200
Inverter	Rated output capacity (kVA)	275
	Rated output current (A)	397
	Rated switching frequency (kHz)	4
	Rated output voltage (V)	400
	Maximum RMS current (A)	794
	Overload capacity	150% (≥ 5Hz) , 60s
	Output voltage range (V)	0 ~ Rectified input voltage
	Maximum output frequency (Hz)	400



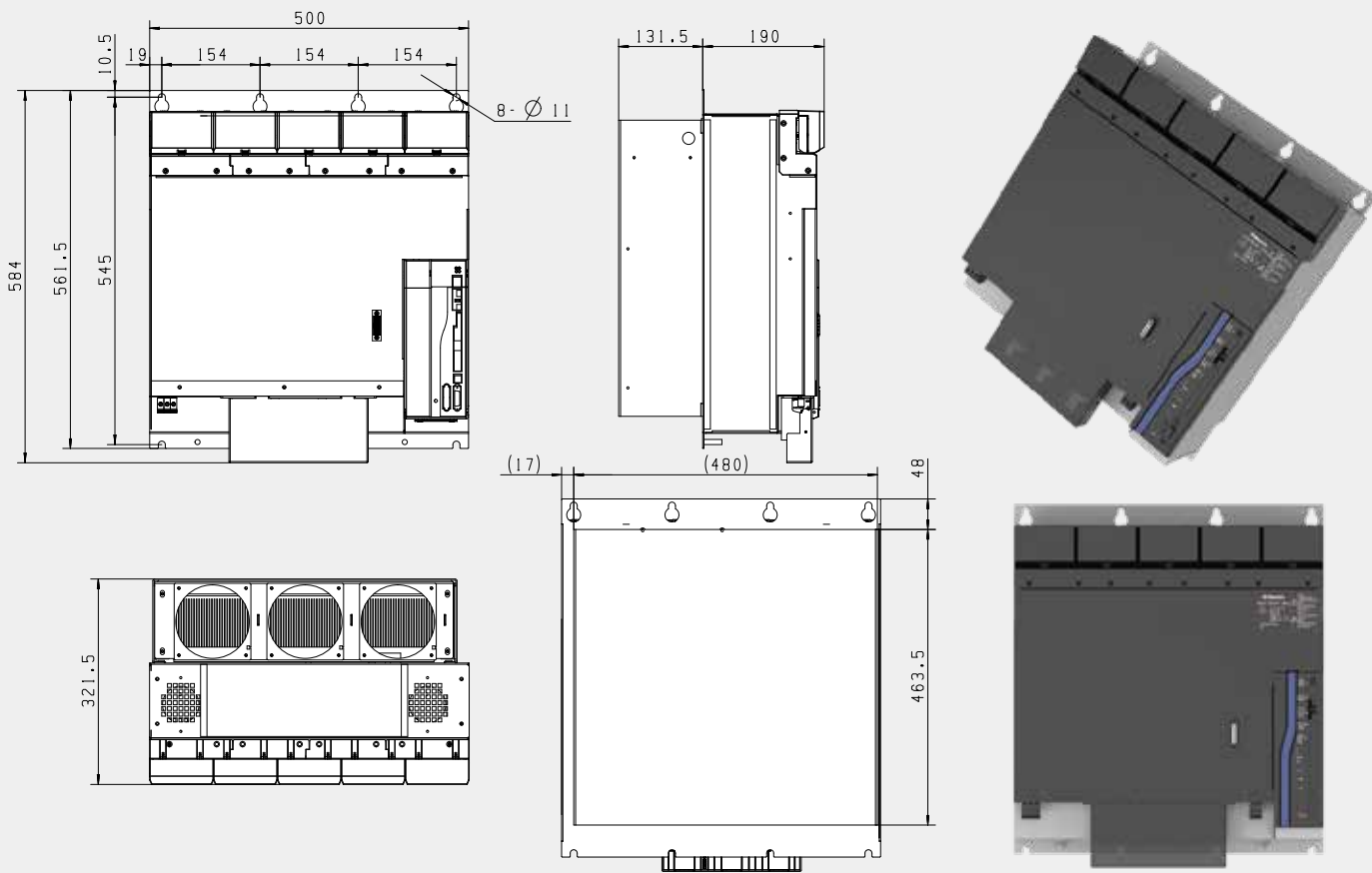
Housing code	Overall dimensions (mm)				Mounting dimensions (mm)		Mounting hole diameter (mm)	
	H2	H	W	D	W1	H1	1	2
C	420	380	100	280	-	397	φ13	φ7
E	420	380	200	280	100	397	φ13	φ7
F	420	380	245	280	185	397	φ13	φ7



S9000-T series
AFE - Through-Wall Air Cooling

Model S9000-T4T320AK*-XXX		320
Housing code		K
Rated regenerative power (kW)		200
AFE	Rated voltage (V)	3 phases, 380
	Allowable frequency fluctuation (Hz)	50/60 ±5%
	Allowable voltage fluctuation (Hz)	-15% ~ +10%
	Continuous regenerative current (A)	320
	Overload regenerative capability	150%, 60s
	Rated switching frequency (kHz)	4

Note: Backplate air cooling is also available for housing K. Please contact sales if required.



EH3000 Series 11–90 kW Electro-hydraulic Servo Drive

Developed by Haitian Drive, the EH3000 Series is a new-generation all-round electro-hydraulic servo drive. It redefines high-performance drives with five core strengths: energy-saving & stable performance, user-friendly operation, long-term reliability, comprehensive functions and outstanding cost performance. It is ideal for automated system integration and applications that demand high efficiency, stable operation and easy maintenance.



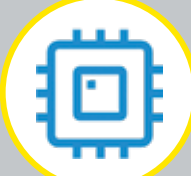
Features


【Energy Saving & Stable Performance】

- Continuously adjustable switching frequency delivers high energy efficiency and stable output.
- Oil pressure ripple compensation algorithm greatly suppresses pressure fluctuation.
- Optimized multi-pump confluence algorithm ensures steadier pressure and lower noise.


【Easy Operation】

- Supports remote maintenance for convenient equipment management.
- No manual motor parameter tuning required, with automatic parameter self-learning function.
- Equipped with Type-C port for simpler connection and parameter configuration.


【Long-term Reliability】

- Adopts imported main control chips with mature, stable and excellent performance.
- Optimized storage algorithm with dual parameter backup to effectively prevent data loss.
- Independent air channel design improves dust resistance and enables long-lasting heat-resistant operation.


【Comprehensive Functions】

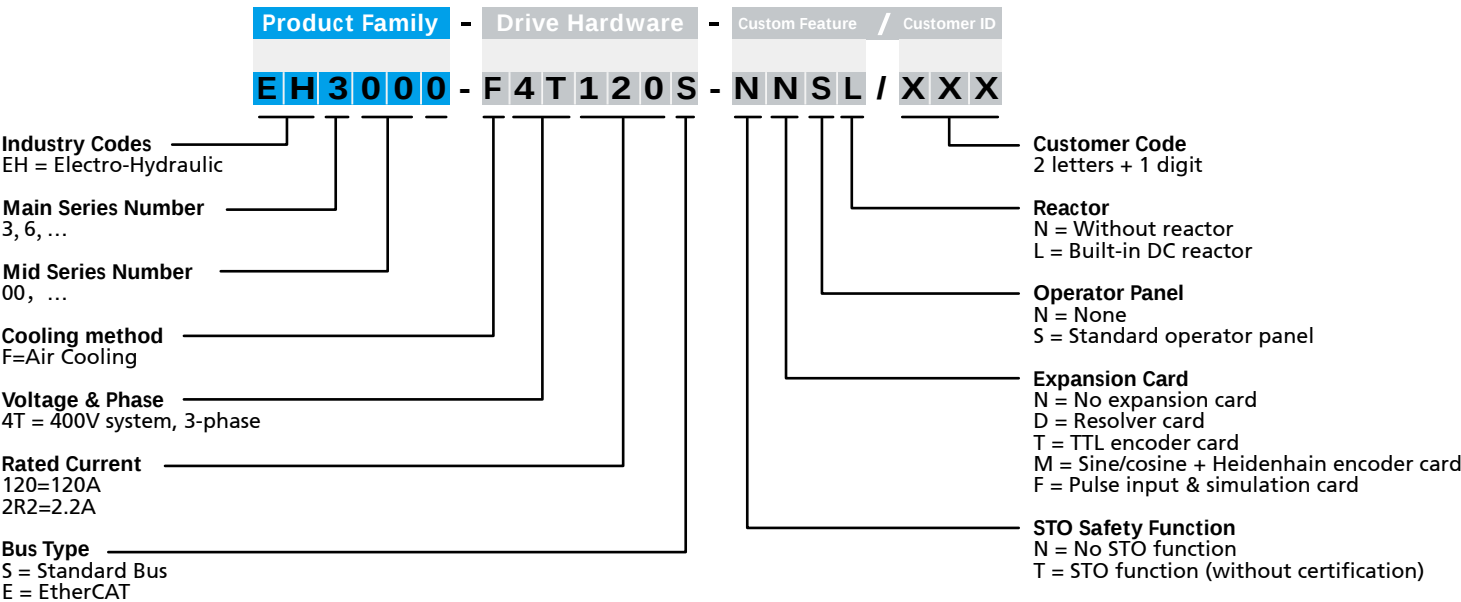
- Supports control of various types of motors.
- Compatible with multiple bus protocols such as EtherCAT (E Series), CAN and Modbus.
- Secondary encoder card is available for flexible expansion.


【Excellent Cost Performance】

- Narrow and compact design greatly saves installation space.
- High power density with streamlined structure delivers superior cost-effectiveness.

EH3000 Series Electro-hydraulic Servo Drive

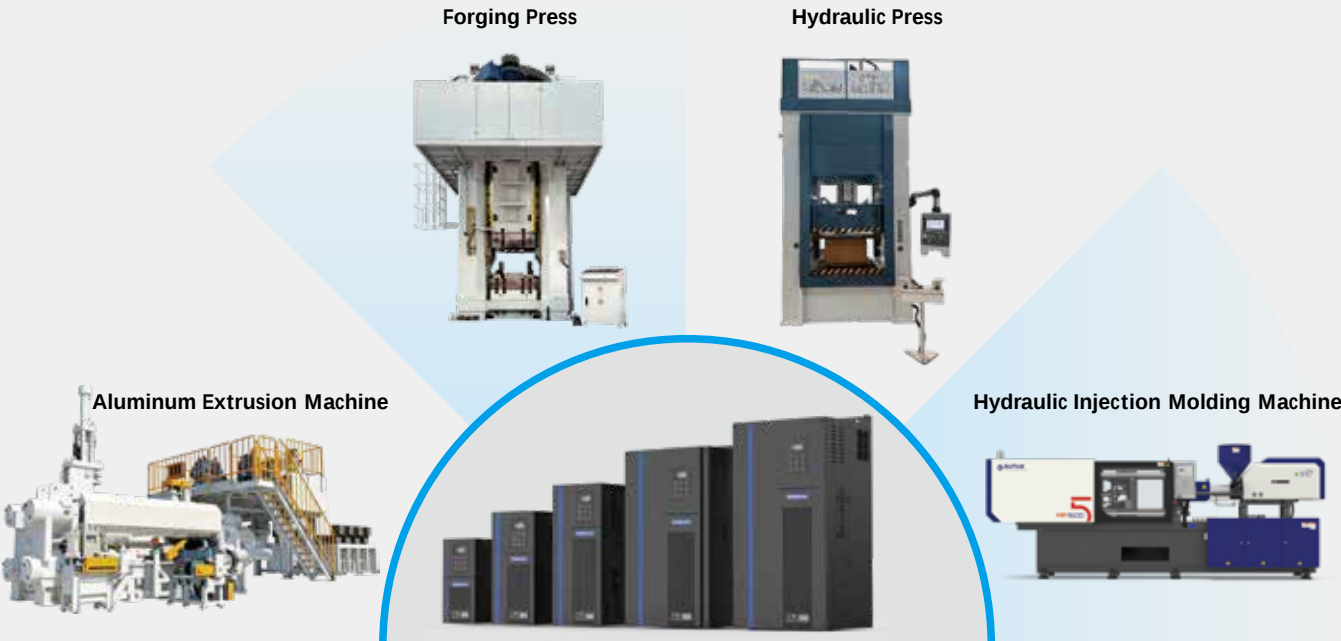
Ordering Code



* Either customized customer functions or customer code can be selected (only one option available).

Application

A new-generation high-performance electro-hydraulic servo drive platform with wide applicability



Control Board Function Overview

Model & Control Board Functions		EH3000-S (Standard Version)	EH3000-E (EtherCAT Version)
Standard Supported Functions	Digital I/O	●	●
	Analog Input	●	●
	Analog Output	●	●
	KTY/PTC	●	●
	Resolver	●	●
	BiSS-C Encoder	○	●
	Tamagawa absolute Encoder	●	●
	EnDat 2.2 Encoder	○	●
	CAN Bus	●	●
	EtherCAT Bus	○	●
	STO (Without certification)	○	●
Customizable Functions	Wi-Fi Operator	●	●
	EH3000- Resolver Expansion Card	●	●
	EH3000-Heidenhain Analog Expansion Card	●	●
	EH3000-Digital Encoder Expansion Card	●	●
	EH3000-Pulse Input & Simulation Expansion Card	●	●
	EH3000-Modbus Communication Digital I/O Expansion Card	●	●

Note 1: ● = Function supported; ○ = Function not supported
Note 2: Customizable functions shall be specified separately when placing orders.

EH3000 series
11-15kW Air Cooling

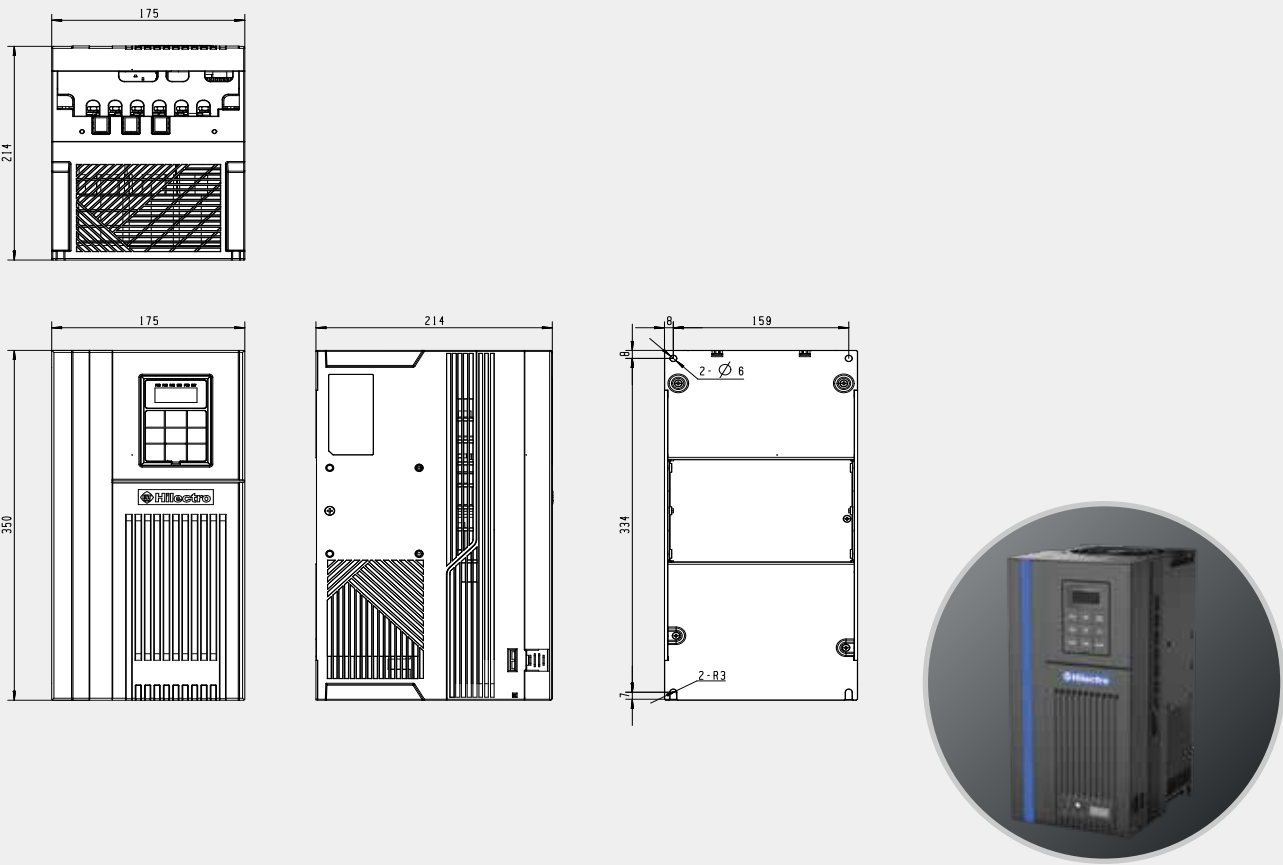
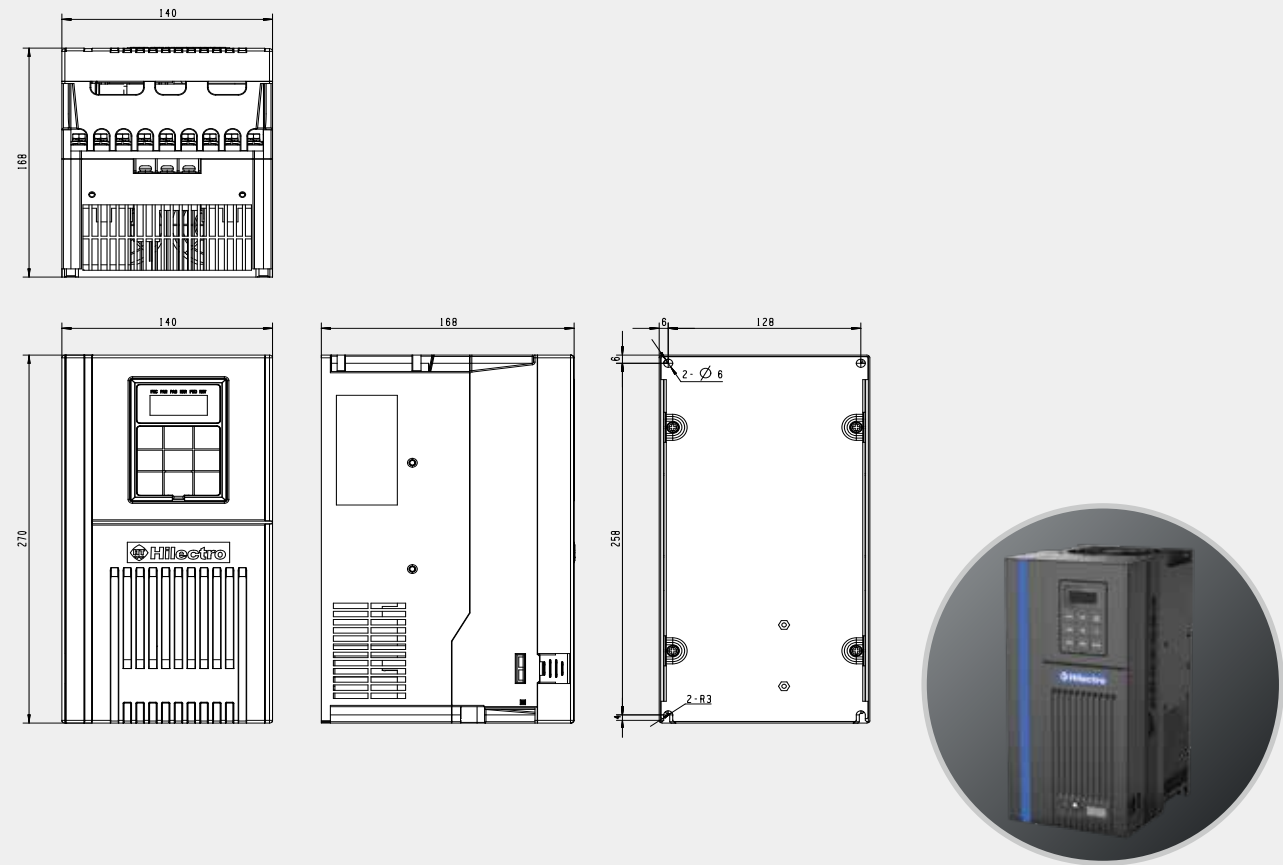
Model EH3000-F4T □□□ *-XXX		024	033
Housing code		2#	
Maximum applicable motor power (kW)		11	15
Output	Rated output capacity (kVA)	17	23
	Rated output current (A)	24	33
	Switching Frequency (kHz)	4	
	RMS Maximum Current (A)	48	66
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440 (following input voltage)	
	Maximum output frequency (Hz)	400	
Input	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	31	43

- Note:**
- Within the permissible input voltage range, ensure that the drive's actual rated output current and rated output power do not exceed the rated values specified in the electrical specifications table.
 - The rated input current varies depending on factors such as power supply impedance, input reactors, DC reactors, and output loads.

EH3000 series
18.5-22-30kW Air Cooling

Model EH3000-F4T □□□ *-XXX		037	045	060
Housing code		3#		
Maximum applicable motor power (kW)		18.5	22	30
Output	Rated output capacity (kVA)	26	31	42
	Rated output current (A)	37	45	60
	Switching Frequency (kHz)	4		
	RMS Maximum Current (A)	74	90	120
	Overload capacity	150%, 60s		
	Rated output voltage (V)	400		
	Maximum output voltage (V)	3 phases, 380 ~ 440 (following input voltage)		
	Maximum output frequency (Hz)	400		
Input	Voltage range (V)	3 phases, 380 ~ 440		
	Allowable frequency fluctuation (Hz)	50/60 ± 5%		
	Allowable voltage fluctuation (V)	-15% ~ +10%		
	Rated input current (A)	49.5	59	70

- Note:**
- Within the permissible input voltage range, ensure that the drive's actual rated output current and rated output power do not exceed the rated values specified in the electrical specifications table.
 - The rated input current varies depending on factors such as power supply impedance, input reactors, DC reactors, and output loads.



EH3000 series
37-45kW Air Cooling

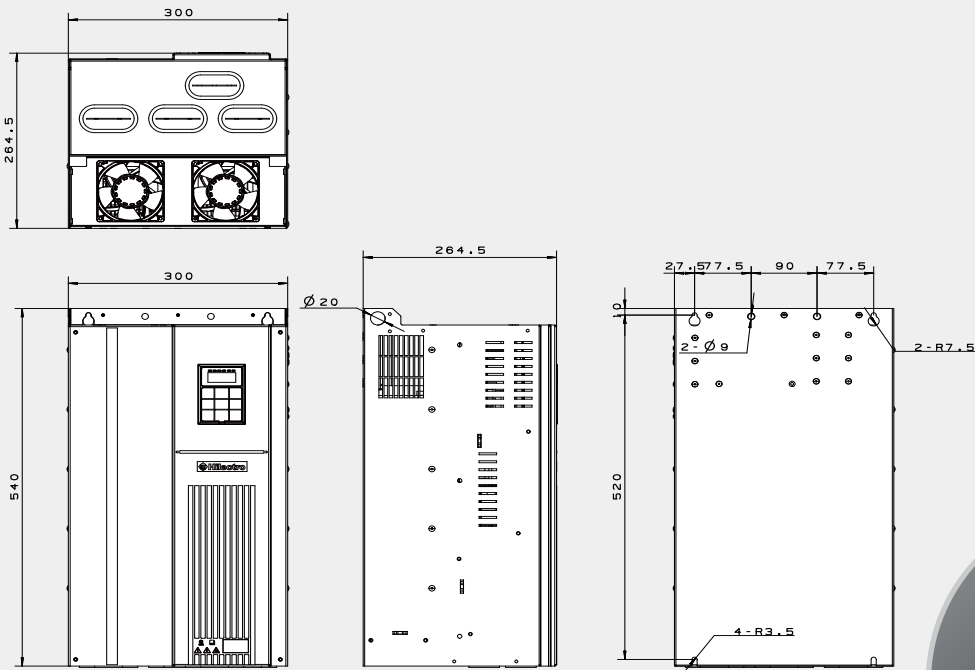
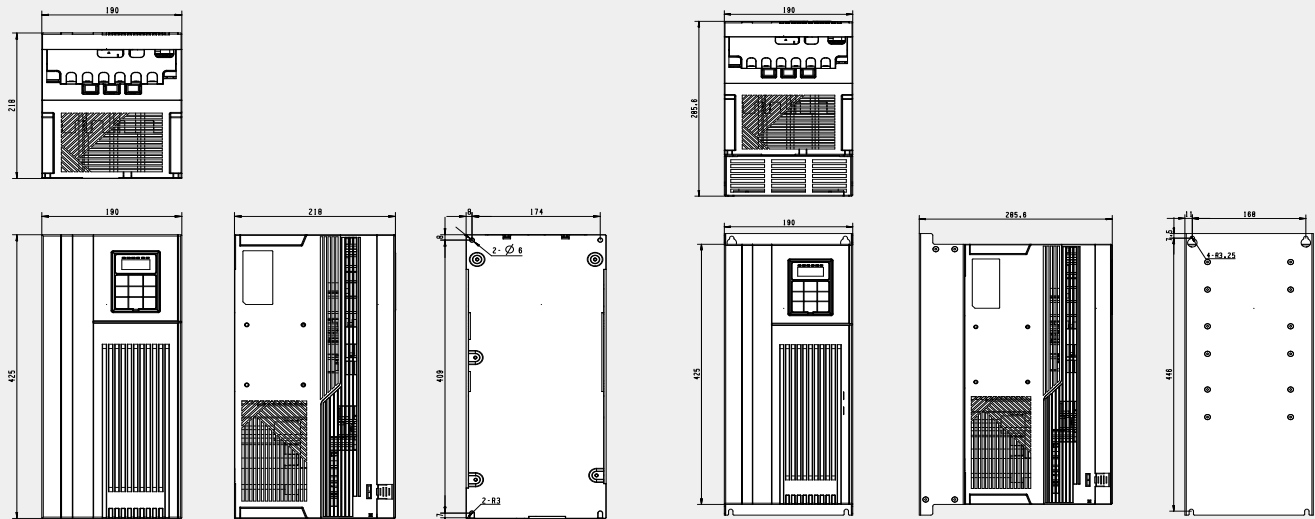
Model EH3000-F4T □□□ *-XXX		075		091	
Housing code		4#			
Maximum applicable motor power (kW)		37		45	
Output	Rated output capacity (kVA)	52		63	
	Rated output current (A)	75		91	
	Switching Frequency (kHz)	4		2.7	
	RMS Maximum Current (A)	150		182	
	Overload capacity	150%, 60s			
	Rated output voltage (V)	400			
	Maximum output voltage (V)	3 phases, 380 ~ 440 (following input voltage)			
	Maximum output frequency (Hz)	400			
Input	Voltage range (V)	3 phases, 380 ~ 440			
	Allowable frequency fluctuation (Hz)	50/60 ± 5%			
	Allowable voltage fluctuation (V)	-15% ~ +10%			
	Rated input current (A)	80		95	

- Note:**
- Within the permissible input voltage range, ensure that the drive's actual rated output current and rated output power do not exceed the rated values specified in the electrical specifications table.
 - The rated input current varies depending on factors such as power supply impedance, input reactors, DC reactors, and output loads.

EH3000 series
55-75kW Air Cooling

Model EH3000-F4T □□□ *-XXX		112	150
Housing code		5#	
Maximum applicable motor power (kW)		55	75
Output	Rated output capacity (kVA)	78	104
	Rated output current (A)	112	150
	Switching Frequency (kHz)	2.7	
	RMS Maximum Current (A)	224	300
	Overload capacity	150%, 60s	
	Rated output voltage (V)	400	
	Maximum output voltage (V)	3 phases, 380 ~ 440 (following input voltage)	
	Maximum output frequency (Hz)	400	
Input	Voltage range (V)	3 phases, 380 ~ 440	
	Allowable frequency fluctuation (Hz)	50/60 ± 5%	
	Allowable voltage fluctuation (V)	-15% ~ +10%	
	Rated input current (A)	125	160

- Note:**
- Within the permissible input voltage range, ensure that the drive's actual rated output current and rated output power do not exceed the rated values specified in the electrical specifications table.
 - The rated input current varies depending on factors such as power supply impedance, input reactors, DC reactors, and output loads.

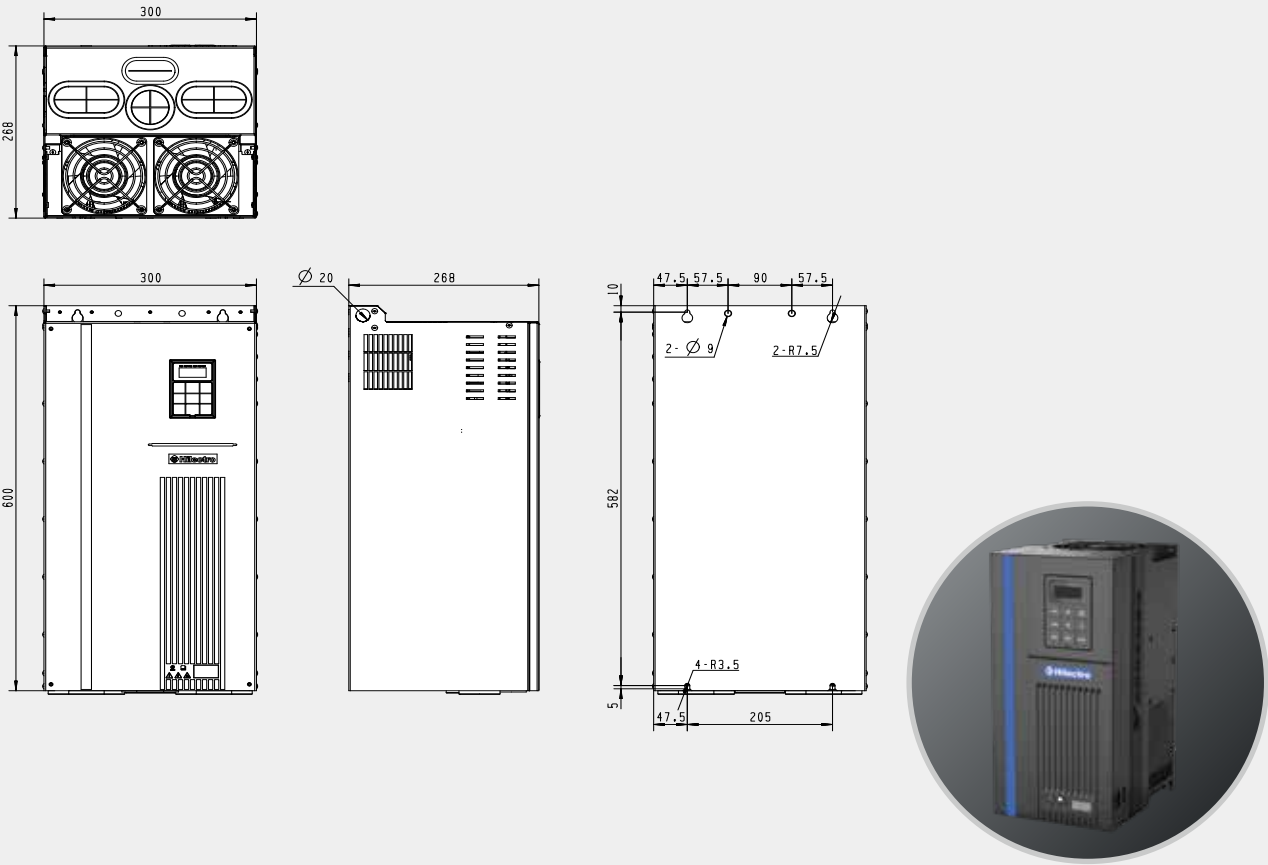


EH3000 series
90kW Air Cooling

NOTE:

Model EH3000-F4T □□□ *-XXX		176
Housing code		6#
Maximum applicable motor power (kW)		90
Output	Rated output capacity (kVA)	122
	Rated output current (A)	176
	Switching Frequency (kHz)	2.7
	RMS Maximum Current (A)	352
	Overload capacity	150%, 60s
	Rated output voltage (V)	400
	Maximum output voltage (V)	3 phases, 380 ~ 440 (following input voltage)
	Maximum output frequency (Hz)	400
Input	Voltage range (V)	3 phases, 380 ~ 440
	Allowable frequency fluctuation (Hz)	50/60 ± 5%
	Allowable voltage fluctuation (V)	-15% ~ +10%
	Rated input current (A)	190

- Note:**
- Within the permissible input voltage range, ensure that the drive's actual rated output current and rated output power do not exceed the rated values specified in the electrical specifications table.
 - The rated input current varies depending on factors such as power supply impedance, input reactors, DC reactors, and output loads.



NOTE:

NOTE: