



Holip Frequency Converter

Product Catalogue



Nuestra aspiración:

Somos ingeniería del mañana.
Apasionados por sobrepasar
límites de resultado y reputación

Perfil Empresarial

Fundado en 2001, Zhejiang Holip Electronic Technology Co. Ltd. fue adquirido por Danfoss en 2005, convirtiéndose en miembro oficial del grupo Danfoss desde entonces.

Establecida en 1993, Danfoss es una de las más grandes empresas multinacionales de fabricación industrial en Dinamarca. Como líder mundial en refrigeración, aire acondicionado, calefacción, procesamiento de calor y electrónica de potencia, Danfoss establece los estándares de la industria por su confiabilidad, excelencia e innovación, logrando lo mejor en satisfacción y solución de costos en la industria del clima y la energía.

Holip se ha dedicado a la investigación, diseño, fabricación, marketing y servicio de variadores de frecuencia por más de una década; siendo la única empresa propietaria de un Centro de I+D en China. Hoy en día, Holip es uno de los fabricantes de variadores más grandes en China.

Nuestros productos, conocidos como variadores de frecuencia de la serie HLP, se han utilizado ampliamente en diversas industria; como en compresores de aire, fibras químicas, textiles, impresión y teñido, plásticos, iluminación, acero, papel, productos químicos, máquinas y grúas, etc. Holip siempre se ha dedicado a proporcionar productos de alta calidad, ventas profesionales y un servicio eficiente y confiable. Cada variador debe someterse a estrictas pruebas de calidad; como pruebas de alta temperatura y prueba de carga completa antes de la entrega. El variador de frecuencia Holip ha recibido menciones como "Producto Nacional Clave", "Proyecto del Plan Nacional de Antorcha"; además, ha sido honrado con "Marca famosa de Zhejiang", "Producto más popular de la industria", y "Productos nacionales más competitivos".

Para implementar completamente la estrategia comercial de Danfoss, 2nd Home Market (primero propuesto en 2005, revisado y consolidado en 2015), Holip, como parte de Danfoss, también ha realizado planes de acción clave, como optimizar el rendimiento de los productos y asegurar el desarrollo de nuevos productos, mejorando las competencias de su FFVV, optimizando la estructura de costo del producto y más. Hoy en día, Holip se ha convertido en el centro de fabricación y logística del segmento Danfoss Drives en la región de Asia - Pacífico; y la fábrica de Danfoss en Haiyan, conocida como Haiyan Campus, se ha convertido en el área industrial más grande de Danfoss, con un rendimiento anual de más de 3.000.000 unidades.

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Descripción de Etiqueta

Etiquetas de productos Holip

| | | | |
|----------------------------|---|-----------------|-----------------------------|
| Nombre del producto | HLP-A100 | www.Holip.com | Página Web |
| Código - Tipo Producto | T/C: HLP-A10007D543P20XBX1CX0AXXVXXX | | Número de Serie de Producto |
| Número - Parte de Producto | P/N: 133F0421 | S/N: 869807A521 | |
| Potencia | 7.5KW 10HP | | |
| Input Voltaje/Corriente | IN: 3x380-480V 50/60Hz 24.8/21.4A | | |
| Output Voltaje/Corriente | OUT: 3x0-Vin 0-400Hz 17.7/16A | | |
| Clase de Protección | CHASSIS/IP20 | | |
| Número de Orden - Producto | O/N: www0064209 | | |
| Precauciones de seguridad | <p>CAUTION: SEE MANUAL WARNING: STORED CHARGE DO NOT TOUCH UNTIL 4 MIN. AFTER DISCONNECTION</p> <p>RISK OF ELECTRIC SHOCK-DUAL SUPPLY DISCONNECT MAINS AND LOADSHARING BEFORE SERVICE</p> | | |

Significado de código de producto

T/C: HLP-A10007D543P20XBX1CX0AXXVXXX

| No. | Code | Significance |
|-----|----------|--|
| 1 | HLP-A100 | Indicate Product Series |
| 2 | 07D5 | Indicate 7.5KW |
| 3 | 21 | Indicate 1-Phase AC 220V |
| | 23 | Indicate 3-Phase AC 220V |
| 4 | 43 | Indicate 3-Phase AC 380V |
| | P20 | Indicate IP rating is 20 |
| 5 | X | Without AC choke |
| | A | With AC choke |
| 6 | X | Without Brake unit |
| | B | With Brake unit |
| 7 | X | Without DC choke |
| | D | With DC choke |
| 8 | 1 | Control panel with LED display and potentiometer |
| 9 | C | With coating on PCB |
| 10 | X | Reserved |
| 11 | 0 | Domestic sale |
| | 1 | Overseas sale |
| 12 | A | Hardware distinction code |
| 13 | XX | Reserved |
| 14 | VXXX | Indicate software version, such as V235 means the version number is 2.35 |

Diferentes series de productos tienen diferente significado de código, por ejemplo:

| Product series | Code | Significance |
|----------------|------|-------------------|
| HLP-A100 | A | Basic IO board |
| | B | Advanced IO board |
| HLP-C100 | A | Without RS485 |
| | B | With RS485 |
| HLP-SP110 | A | Basic IO board |
| | B | Advanced IO board |

HLP-A100 Series General Vector Drive

Descripción

La serie HLP-A100 es la nueva generación de transmisión vectorial general, con alta confiabilidad, alta adaptabilidad al ambiente, excelente facilidad de uso y excelente control de características de rendimiento. Puede ser ampliamente usado para distintas industrias como plásticos, textiles, maquinarias, packaging, químicos, imprenta, construcción, vidrios, etc.

Características Técnicas

Alta confiabilidad

- Diseñado de larga duración;
- Velocidad del ventilador controlable;
- Estricto sistema productivo de diseño y prueba;

Excelente facilidad de uso

- Fácil uso operativo;
- Personalización tablero I/O;
- Tamaño pequeño;
- Modo de instalación múltiple



AC 1PH 200V(-20%)~240V(+10%) 0.37~3.7kW
AC 3PH 200V(-20%)~240V(+10%) 0.37~3.7kW
AC 3PH 380V(-20%)~480V(+10%) 0.75~415kW

Alta adaptabilidad ambiental

- Independiente diseño de viento;
- PCBA 100% cobertura de recubrimiento;
- Radiador de dientes anchos;
- Fácil limpieza y reemplazo del ventilador;
- Provee opciones IP5X;
- Amplio rango de voltaje;
- Alta adaptabilidad a características EMC;
- Interruptor RFI.;
- Modelos de >37kW incorporado DC choke;
- Sistema inteligente de gestión de calefacción;

Excelente facilidad de uso

Especificaciones Técnicas

| Item | Specification | |
|------------------------|----------------------------------|---|
| Power supply | Supply voltage | Single/three phase 200~240V -20%~+10%; Three phase 380~480V -20%~+10%; |
| | Frequency | 48~62Hz; |
| | Max. imbalance | 3%; |
| Motor output | Output voltage | Three phase 0-100% of supply voltage; |
| | Output frequency | V/F : 0-400Hz , VVC+: 0-200Hz; |
| Main control functions | Control mode | V/F, VVC+; |
| | Start torque | 0.5Hz 150%; |
| | Overload capacity | 150% 60s, 200% 1s; |
| | PWM switch frequency | 2~16kHz; |
| | Speed setting resolution | Digital: 0.001Hz; Analog: 0.5% of the max. operating frequency ; |
| | Speed open-loop control accuracy | 30~4000 rpm: tolerance±8 rpm; |
| | Control command source | LCP, digital terminal, local bus; |
| | Frequency setting source | LCP, analog, pulse, local bus; |
| | Ramp control | Selectable 4-speed steps ramp up and down times 0.05-3600.00s; |

| Item | Specification |
|-------------------------------------|---|
| Basic Functions | Speed Open-loop Control; Process Closed-loop Control; Torque Open-loop Control; AMA Function; Motor Magnetisation; Slip Compensation; Torque compensation; Automatic Voltage Regulation; V/F Control, DC Brake; AC brake; Speed Limit; Current Limit; Flying Start; Reset Function; Counter; Timer; |
| Application Functions | Wobble Function; Jogging; Multi-speed Control via Digital input; SLC(including Order Control and Parallel Control); Mechanical Braking; UP/DOWN ; Catch up /Slow down; Relative Scaling Reference etc. |
| Protection Functions | Missing Motor Phase Protection; Low-voltage Protection; Over-voltage Protection; Over-current Protection; Output Phase Loss Protection; Output Short Circuit Protection; Output Grounding Fault Protection; Motor Thermal Protection; Live Zero Timeout Function; AMA Fails; CPU Fault; EEPROM Faults; Button freeze; Duplicate Fails; LCP Invalid; LCP Incompatible; Parameter Read-only; Reference Out of Range; Invalid While Running etc. |
| Advanced IO board control terminals | Input 6 digital inputs (1 supports pulse input, pulse range: 1Hz~100kHz); 2 analog input, both can receive voltage or current signals. |
| | Output 2 digital output (1 supports pulse output, pulse range: 1Hz~100kHz); 2 relay output; 2 analog input (1 can be selected as current output or voltage output via jumper switch). |
| | Power supply 1 +10V, max current output 10mA; 1 24V, max current output 200mA; |
| | Communication RS+, RS-, max baud rate 115200bit/s; |
| Basic IO board control terminals | Input 5 digital inputs; 1 analog input, it can receive voltage or current signals. |
| | Output 1 digital output; 1 relay output; 1 analog input; it can be selected as current output or voltage output via jumper switch. |
| | Power supply 1 +10V, max current output 10mA; |
| | Communication RS+, RS-, max baud rate 115200bit/s; |
| Display | 8 segments, 5 numeric displays Display frequency, warnings, status and so on; |
| | Indicator Light FWD, REV, HZ, A, RPM display various status of the drive; |
| | Data read-outs Frequency setting, output frequency, feedback value, output current, DC link voltage, output voltage, output power, input terminals state, output terminals state, analogue input, analogue output, 1-10 fault records and accumulated working time etc.; |
| Environment | Enclosure IP20; |
| | Ambient temperature -10℃~50℃, derating use when over 40℃; |
| | Humidity 5%-85% (95% without condensation); |
| | Vibration test ≤75kW: 1.14g; ≥90kW: 0.7g; |
| | Max. altitude above sea level 1000m, derating use when more than 1000 meters; |
| | Motor cable length Shield cable: 50 meters; Unshield cable: 100 meters; |
| Others | DC choke ≥37kW Built-in |
| | Braking unit ≤22kW Built-in |

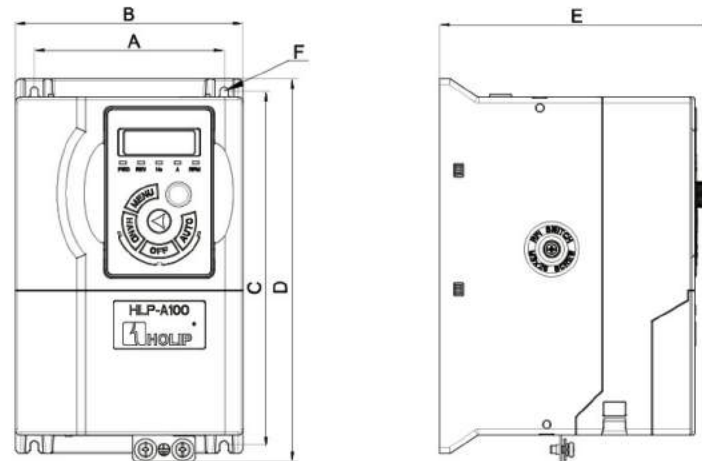
Especificaciones Técnicas

| Model | Input voltage | Input current /A | Output current /A | Rated power /kW | Suitable motor /kW | Net weight /kg |
|-----------------|-------------------|------------------|-------------------|-----------------|--------------------|----------------|
| HLP-A1000D3721 | 1×200-240V50/60Hz | 7 | 2.5 | 0.37 | 0.37 | 1.3 |
| HLP-A1000D7521 | 1×200-240V50/60Hz | 13.9 | 5 | 0.75 | 0.75 | 1.3 |
| HLP-A1000D521 | 1×200-240V50/60Hz | 20.6 | 7.5 | 1.5 | 1.5 | 1.3 |
| HLP-A1000D221 | 1×200-240V50/60Hz | 30.4 | 11 | 2.2 | 2.2 | 1.3 |
| HLP-A1000D721 | 1×200-240V50/60Hz | 49.7 | 17 | 3.7 | 3.7 | 2 |
| HLP-A1000D3723 | 3×200-240V50/60Hz | 4 | 2.5 | 0.37 | 0.37 | 1.3 |
| HLP-A1000D7523 | 3×200-240V50/60Hz | 8 | 5 | 0.75 | 0.75 | 1.3 |
| HLP-A1000D523 | 3×200-240V50/60Hz | 12 | 7.5 | 1.5 | 1.5 | 1.3 |
| HLP-A1000D223 | 3×200-240V50/60Hz | 17.7 | 11 | 2.2 | 2.2 | 1.3 |
| HLP-A1000D723 | 3×200-240V50/60Hz | 27.2 | 17 | 3.7 | 3.7 | 2 |
| HLP-A1000D7543 | 3×380-440V50/60Hz | 3.7 | 2.3 | 0.75 | 0.75 | 1.3 |
| | 3×440-480V50/60Hz | 3.2 | 2.1 | | | |
| HLP-A1000D543 | 3×380-440V50/60Hz | 6.4 | 4 | 1.5 | 1.5 | 1.3 |
| | 3×440-480V50/60Hz | 5.5 | 3.6 | | | |
| HLP-A1000D243 | 3×380-440V50/60Hz | 8.9 | 5.6 | 2.2 | 2.2 | 1.3 |
| | 3×440-480V50/60Hz | 7.7 | 5.1 | | | |
| HLP-A1000D043 | 3×380-440V50/60Hz | 15.8 | 9.9 | 4.0 | 4.0 | 2 |
| | 3×440-480V50/60Hz | 13.6 | 9 | | | |
| HLP-A1000D543 | 3×380-440V50/60Hz | 21.3 | 13.3 | 5.5 | 5.5 | 2 |
| | 3×440-480V50/60Hz | 18.4 | 12.1 | | | |
| HLP-A1000D7543 | 3×380-440V50/60Hz | 28.3 | 17.7 | 7.5 | 7.5 | 2.5 |
| | 3×440-480V50/60Hz | 24.4 | 16.1 | | | |
| HLP-A1000D1143 | 3×380-440V50/60Hz | 35.9 | 25 | 11 | 11 | 5.8 |
| | 3×440-480V50/60Hz | 31.4 | 22.7 | | | |
| HLP-A1000D1543 | 3×380-440V50/60Hz | 43.4 | 32 | 15 | 15 | 5.8 |
| | 3×440-480V50/60Hz | 38.8 | 29.1 | | | |
| HLP-A10018D543 | 3×380-440V50/60Hz | 51.5 | 38 | 18.5 | 18.5 | 8 |
| | 3×440-480V50/60Hz | 46.1 | 34.5 | | | |
| HLP-A1000D2243 | 3×380-440V50/60Hz | 61.0 | 45 | 22 | 22 | 8 |
| | 3×440-480V50/60Hz | 54.5 | 40.9 | | | |
| HLP-A1000D3043 | 3×380-440V50/60Hz | 73 | 61 | 30 | 30 | 19 |
| | 3×440-480V50/60Hz | 64 | 52 | | | |
| HLP-A1000D3743 | 3×380-440V50/60Hz | 72 | 75 | 37 | 37 | 22 |
| | 3×440-480V50/60Hz | 65 | 68 | | | |
| HLP-A1000D4543 | 3×380-440V50/60Hz | 86 | 91 | 45 | 45 | 26 |
| | 3×440-480V50/60Hz | 80 | 82 | | | |
| HLP-A1000D5543 | 3×380-440V50/60Hz | 110 | 112 | 55 | 55 | 26 |
| | 3×440-480V50/60Hz | 108 | 110 | | | |
| HLP-A1000D7543 | 3×380-440V50/60Hz | 148 | 150 | 75 | 75 | 37 |
| | 3×440-480V50/60Hz | 135 | 140 | | | |
| HLP-A1000D9043 | 3×380-440V50/60Hz | 175 | 180 | 90 | 90 | 60 |
| | 3×440-480V50/60Hz | 154 | 160 | | | |
| HLP-A1000D11043 | 3×380-440V50/60Hz | 206 | 215 | 110 | 110 | 60 |
| | 3×440-480V50/60Hz | 183 | 190 | | | |
| HLP-A1000D13243 | 3×380-440V50/60Hz | 251 | 260 | 132 | 132 | 60 |
| | 3×440-480V50/60Hz | 231 | 240 | | | |
| HLP-A1000D16043 | 3×380-440V50/60Hz | 304 | 315 | 160 | 160 | 99 |
| | 3×440-480V50/60Hz | 291 | 302 | | | |
| HLP-A1000D18543 | 3×380-440V50/60Hz | 350 | 365 | 185 | 185 | 99 |
| | 3×440-480V50/60Hz | 320 | 335 | | | |

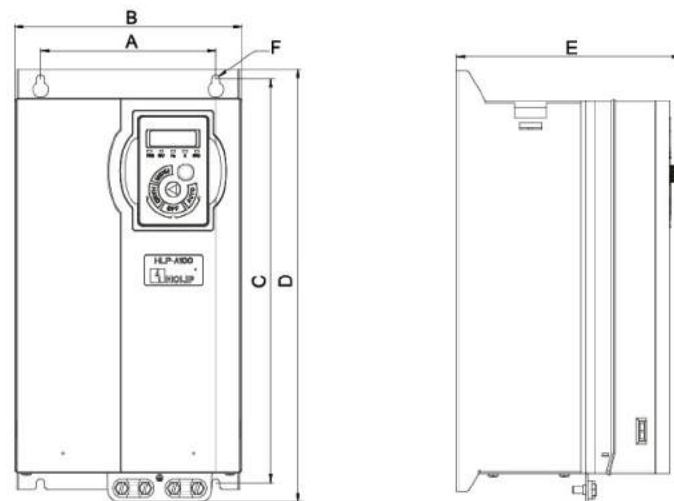
| Model | Input voltage | Input current /A | Output current /A | Rated power /kW | Suitable motor /kW | Net weight /kg |
|----------------|-------------------|------------------|-------------------|-----------------|--------------------|----------------|
| HLP-A100020043 | 3×380-440V50/60Hz | 381 | 395 | 200 | 200 | 99 |
| | 3×440-480V50/60Hz | 348 | 361 | | | |
| HLP-A100022043 | 3×380-440V50/60Hz | 420 | 435 | 220 | 220 | 99 |
| | 3×440-480V50/60Hz | 383 | 398 | | | |
| HLP-A100025043 | 3×380-440V50/60Hz | 472 | 480 | 250 | 250 | 250 |
| | 3×440-480V50/60Hz | 436 | 443 | | | |
| HLP-A100028043 | 3×380-440V50/60Hz | 525 | 540 | 280 | 280 | 250 |
| | 3×440-480V50/60Hz | 475 | 490 | | | |
| HLP-A100031543 | 3×380-440V50/60Hz | 590 | 605 | 315 | 315 | 250 |
| | 3×440-480V50/60Hz | 531 | 540 | | | |
| HLP-A100035543 | 3×380-440V50/60Hz | 647 | 660 | 355 | 355 | 250 |
| | 3×440-480V50/60Hz | 580 | 590 | | | |
| HLP-A100041543 | 3×380-440V50/60Hz | 718 | 745 | 415 | 415 | 250 |
| | 3×440-480V50/60Hz | 653 | 678 | | | |

Dimensiones externas y de instalación

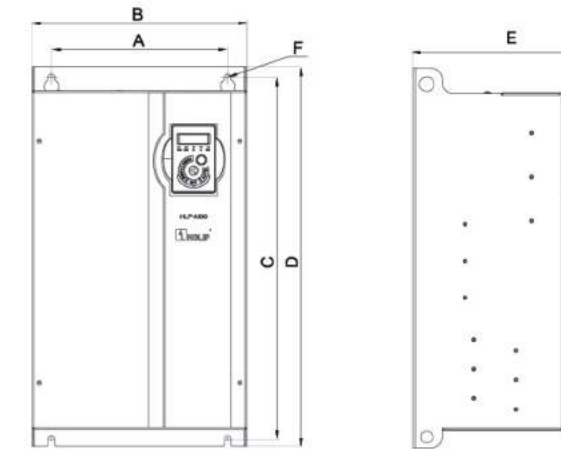
- Single/Three phase 220V 0.37~3.7kW and Three phase 380V 0.75~7.5kW



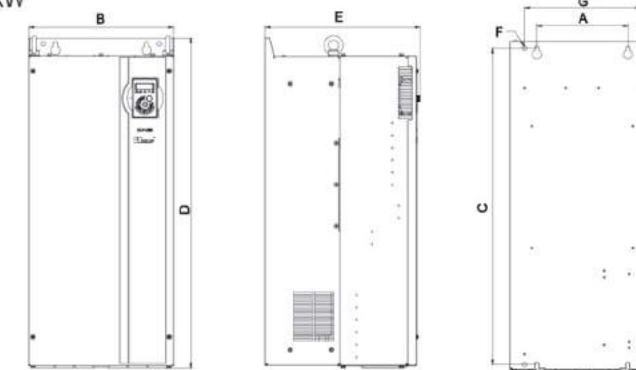
- Three phase 380V 11~22kW



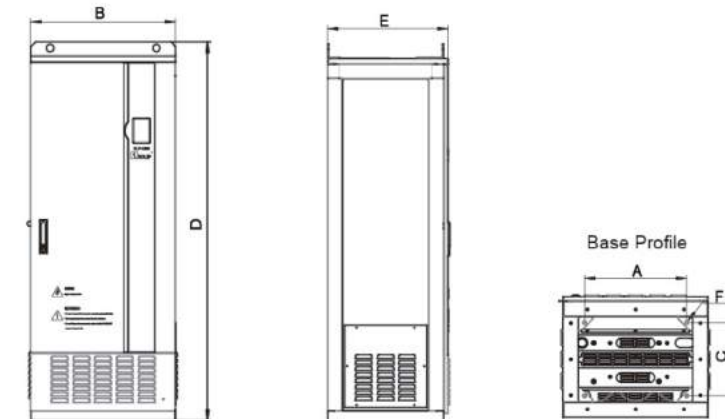
- Three phase 380V 30~75kW



- Three phase 380V 90~220kW



- Three phase 380V 250~415kW



| Voltage and Power | | | Dimensions (mm) | | | | | | |
|-------------------|------------|------------|-----------------|-----|-----|------|-----|------|-----|
| 1×200-240V | 3×200-240V | 3×380-480V | A | B | C | D | E | F | G |
| 0.37-1.5kW | 0.37-1.5kW | 0.75-2.2kW | 104 | 125 | 194 | 210 | 150 | 4.5 | - |
| 2.2-3.7kW | 2.2-3.7kW | 4.0-5.5kW | 124 | 145 | 230 | 250 | 165 | 4.5 | - |
| - | - | 7.5kW | 133 | 155 | 243 | 263 | 175 | 4.5 | - |
| - | - | 11-15kW | 148 | 192 | 340 | 365 | 189 | 6.5 | - |
| - | - | 18.5-22kW | 150 | 214 | 395 | 420 | 194 | 6.5 | - |
| - | - | 30-37kW | 240 | 292 | 492 | 517 | 229 | 9 | - |
| - | - | 45-55kW | 240 | 292 | 537 | 562 | 249 | 9 | - |
| - | - | 75kW | 240 | 292 | 640 | 665 | 277 | 9 | - |
| - | - | 90-132kW | 220 | 350 | 765 | 799 | 375 | 10.5 | 280 |
| - | - | 160-220kW | 345 | 486 | 863 | 900 | 390 | 10.5 | 410 |
| - | - | 250-415kW | 424 | 600 | 304 | 1560 | 500 | 15 | - |

HLP-SP110 Series Fan and Pump Special Drive

Descripción

HLP-SP110 es un producto de baja carga para ventilador, bomba y HVAC; encaja en el mercado de baja carga con una fabricación correlativa de ventilador y bomba.

Características Técnicas

- Macros de aplicaciones múltiples para distintos requerimientos, incluyendo función PID interno, PFC, etc;
- Recibe una variedad de señales de retroalimentación periféricas: resistencia 0-400Ω, corriente 4-20mA/0-20mA and voltage 0-10V;
- Función de optimizador automático de energía, mejorando la eficiencia de la energía;
- Modelos de >37kW incorporado DC choke, efectivamente suprimiendo la perturbación de la corriente armónica;
- Tablero PCB con revestimiento 3C3 asegura protección de la unidad en condiciones duras,
- Incorporado RFI en todo rango de potencia;
- Completo autocontrol y funcionamiento de alarmas que aseguran operatividad de inverter;
- Amplio rango de voltaje;
- Modelos <22kW suminitran opciones de protección IP50



Especificaciones Técnicas

| Item | Specification | |
|--------------|--------------------------|---|
| Power supply | Supply voltage | Three phase 380~480V -20%~+10%; |
| | Frequency | 48~62Hz; |
| | Max. imbalance | 3%; |
| Motor output | Output voltage | Three phase 0-100% of supply voltage; |
| | Output frequency | V/F : 0-400Hz , VVC+: 0-200Hz; |
| | Control mode | V/F, VVC+; |
| | Start torque | 0.5Hz 150%; |
| | Overload capacity | 110% 60s, 150% 1s; |
| | PWM switch frequency | 2~16kHz; |
| | Speed setting resolution | Digital: 0.001Hz; Analog: 0.5‰ of the max. operating frequency ; |

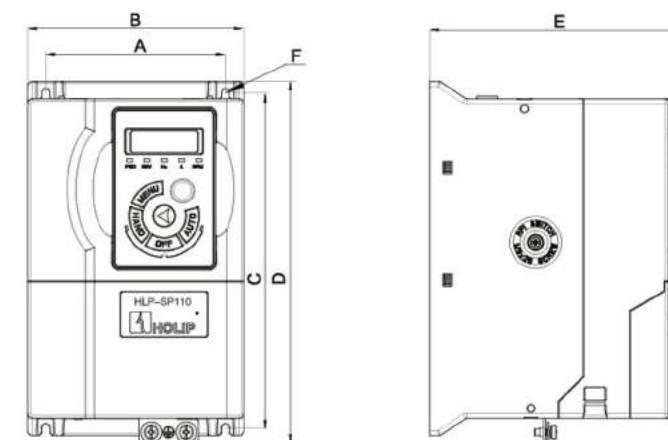
| Item | Specification | |
|-------------------------------------|---|---|
| Main control functions | Speed open-loop control accuracy | 30~4000 rpm: tolerance±8 rpm; |
| | Control command source | LCP, digital terminal, local bus; |
| | Frequency setting source | LCP, analogue, local bus; |
| | Ramp control | Selectable 4-speed steps ramp up and down times 0.05-3600.00s; |
| Basic Functions | Speed Open-loop Control; Process Closed-loop Control; Torque Open-loop Control; AMA Function; Motor Magnetisation; Slip Compensation; Torque compensation; Automatic Voltage Regulation; V/F Control, DC Brake; AC brake; Speed Limit; Current Limit; Flying Start; Reset Function; Counter; Timer; | |
| Application Functions | Sleep/Wake up ,Jogging; Multi-speed Control via Digital input; SLC(including Order Control and Parallel Control); Mechanical Braking; UP/DOWN ; Catch up /Slow down; Relative Scaling Reference etc. | |
| Protection Functions | Missing Motor Phase Protection; Low-voltage Protection; Over-voltage Protection; Over-current Protection; Output Phase Loss Protection; Output Short Circuit Protection; Output Grounding Fault Protection; Motor Thermal Protection; Live Zero Timeout Function; AMA Fails; CPU Fault; EEPROM Faults; Button freeze; Duplicate Fails; LCP Invalid; LCP Incompatible; Parameter Read-only; Reference Out of Range; Invalid While Running etc. | |
| Basic IO board control terminals | Input | 5 digital inputs ; 2 analogue input, both can receive voltage or current signals. For AI terminal current or resistance signals can be selected via jumper switch; |
| | Output | 2 relay output; 2 analogue output (VO terminal can be selected as current output or voltage output; AO terminal only can be selected as current output;). |
| | Power supply | 1 +10V, max current output 10mA; 1 24V, max current output 200mA; |
| | Communication | RS+, RS-, max baud rate 115200bit/s; |
| Extended IO board control terminals | Input | 5 digital inputs ; 2 analogue input, both can receive voltage or current signals. For AI terminal current or resistance signals can be selected via jumper switch; |
| | Output | 6 relay output; 2 analogue output (VO terminal can be selected as current output or voltage output; AO terminal only can be selected as current output;). |
| | Power supply | 1 +10V, max current output 10mA; 1 24V, max current output 200mA; |
| | Communication | RS+, RS-, max baud rate 115200bit/s; |
| Display | 8 segments, 5 numeric displays | Display frequency, warnings, status and so on; |
| | Indicator | Light FWD, REV, HZ, A, RPM display various status of the drive; |
| | Data read-outs | Frequency setting, output frequency, feedback value, output current, DC link voltage, output voltage, output power, input terminals state, output terminals state, analogue input, analogue output, 1-10 fault records and accumulated working time etc.; |
| Environment | Enclosure | IP20; |
| | Ambient temperature | -10℃~50℃, derating use when over 40℃; |
| | Humidity | 5%-85% (95% without condensation); |
| | Vibration test | ≤75kW: 1.14g; ≥90kW: 0.7g; |
| others | Max. altitude above sea level | 1000m, derating use when more than 1000 meters; |
| | Motor cable length | Shield cable: 50 meters, Non shield cable: 100 meters; |
| | DC choke | ≥37kW Built-in |

Especificaciones Particulares

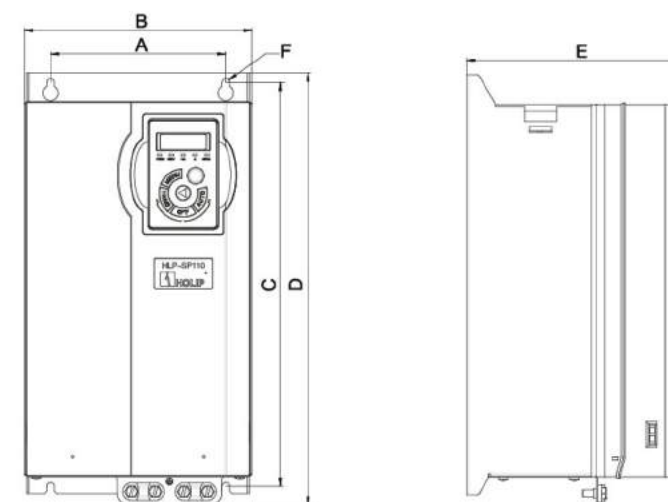
| Model | Input voltage | Input current /A | Output current /A | Rated power /kW | Suitable motor /kW | Net weight /kg |
|-----------------|-------------------|------------------|-------------------|-----------------|--------------------|----------------|
| HLP-SP1100D7543 | 3×380-440V50/60Hz | 3.7 | 2.3 | 0.75 | 0.75 | 1.3 |
| | 3×440-480V50/60Hz | 3.2 | 2.1 | | | |
| HLP-SP11001D543 | 3×380-440V50/60Hz | 6.4 | 4.0 | 1.5 | 1.5 | 1.3 |
| | 3×440-480V50/60Hz | 5.5 | 3.6 | | | |
| HLP-SP11002D243 | 3×380-440V50/60Hz | 8.9 | 5.6 | 2.2 | 2.2 | 1.3 |
| | 3×440-480V50/60Hz | 7.7 | 5.1 | | | |
| HLP-SP11004D043 | 3×380-440V50/60Hz | 15.8 | 9.9 | 4.0 | 4.0 | 2 |
| | 3×440-480V50/60Hz | 13.6 | 9.0 | | | |
| HLP-SP11005D543 | 3×380-440V50/60Hz | 21.3 | 13.3 | 5.5 | 5.5 | 2 |
| | 3×440-480V50/60Hz | 18.4 | 12.1 | | | |
| HLP-SP11007D543 | 3×380-440V50/60Hz | 28.3 | 17.7 | 7.5 | 7.5 | 2.5 |
| | 3×440-480V50/60Hz | 24.4 | 16.1 | | | |
| HLP-SP110001143 | 3×380-440V50/60Hz | 35.9 | 25 | 11 | 11 | 5.8 |
| | 3×440-480V50/60Hz | 31.4 | 22.7 | | | |
| HLP-SP110001543 | 3×380-440V50/60Hz | 43.4 | 32 | 15 | 15 | 5.8 |
| | 3×440-480V50/60Hz | 38.8 | 29.1 | | | |
| HLP-SP11018D543 | 3×380-440V50/60Hz | 51.5 | 38 | 18.5 | 18.5 | 8 |
| | 3×440-480V50/60Hz | 46.1 | 34.5 | | | |
| HLP-SP110002243 | 3×380-440V50/60Hz | 61.0 | 45 | 22 | 22 | 8 |
| | 3×440-480V50/60Hz | 54.5 | 40.9 | | | |
| HLP-SP110003043 | 3×380-440V50/60Hz | 73 | 61 | 30 | 30 | 19 |
| | 3×440-480V50/60Hz | 64 | 52 | | | |
| HLP-SP110003743 | 3×380-440V50/60Hz | 72 | 75 | 37 | 37 | 22 |
| | 3×440-480V50/60Hz | 65 | 68 | | | |
| HLP-SP110004543 | 3×380-440V50/60Hz | 86 | 91 | 45 | 45 | 23 |
| | 3×440-480V50/60Hz | 80 | 82 | | | |
| HLP-SP110005543 | 3×380-440V50/60Hz | 110 | 112 | 55 | 55 | 26 |
| | 3×440-480V50/60Hz | 108 | 110 | | | |
| HLP-SP110007543 | 3×380-440V50/60Hz | 148 | 150 | 75 | 75 | 28 |
| | 3×440-480V50/60Hz | 135 | 140 | | | |
| HLP-SP110009043 | 3×380-440V50/60Hz | 175 | 180 | 90 | 90 | 37 |
| | 3×440-480V50/60Hz | 154 | 160 | | | |
| HLP-SP110011043 | 3×380-440V50/60Hz | 206 | 215 | 110 | 110 | 60 |
| | 3×440-480V50/60Hz | 183 | 190 | | | |
| HLP-SP110013243 | 3×380-440V50/60Hz | 251 | 260 | 132 | 132 | 60 |
| | 3×440-480V50/60Hz | 231 | 240 | | | |
| HLP-SP110016043 | 3×380-440V50/60Hz | 304 | 315 | 160 | 160 | 60 |
| | 3×440-480V50/60Hz | 291 | 302 | | | |
| HLP-SP110018543 | 3×380-440V50/60Hz | 350 | 365 | 185 | 185 | 99 |
| | 3×440-480V50/60Hz | 320 | 335 | | | |
| HLP-SP110020043 | 3×380-440V50/60Hz | 381 | 395 | 200 | 200 | 99 |
| | 3×440-480V50/60Hz | 348 | 361 | | | |
| HLP-SP110022043 | 3×380-440V50/60Hz | 420 | 435 | 220 | 220 | 99 |
| | 3×440-480V50/60Hz | 383 | 398 | | | |
| HLP-SP110025043 | 3×380-440V50/60Hz | 472 | 480 | 250 | 250 | 99 |
| | 3×440-480V50/60Hz | 436 | 443 | | | |
| HLP-SP110028043 | 3×380-440V50/60Hz | 525 | 540 | 280 | 280 | 250 |
| | 3×440-480V50/60Hz | 475 | 490 | | | |
| HLP-SP110031543 | 3×380-440V50/60Hz | 590 | 605 | 315 | 315 | 250 |
| | 3×440-480V50/60Hz | 531 | 540 | | | |
| HLP-SP110035543 | 3×380-440V50/60Hz | 647 | 660 | 355 | 355 | 250 |
| | 3×440-480V50/60Hz | 580 | 590 | | | |
| HLP-SP110041543 | 3×380-440V50/60Hz | 718 | 745 | 415 | 415 | 250 |
| | 3×440-480V50/60Hz | 653 | 678 | | | |
| HLP-SP110045043 | 3×380-440V50/60Hz | 771 | 800 | 450 | 450 | 250 |
| | 3×440-480V50/60Hz | 704 | 730 | | | |

Dimensiones externas y de instalación

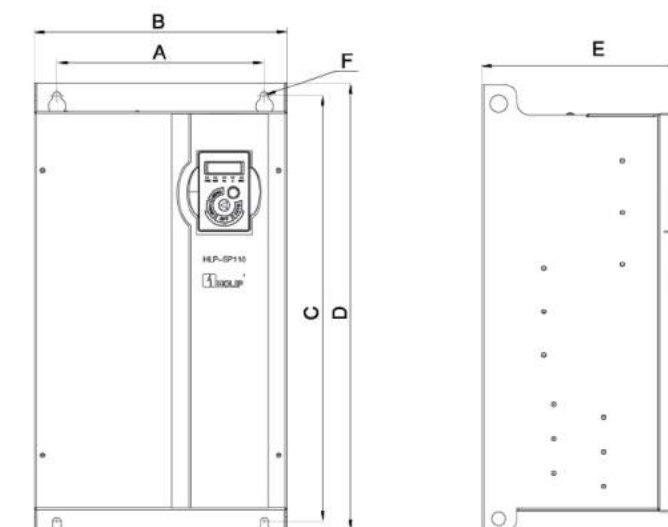
- Three phase 380V 0.75~7.5kW



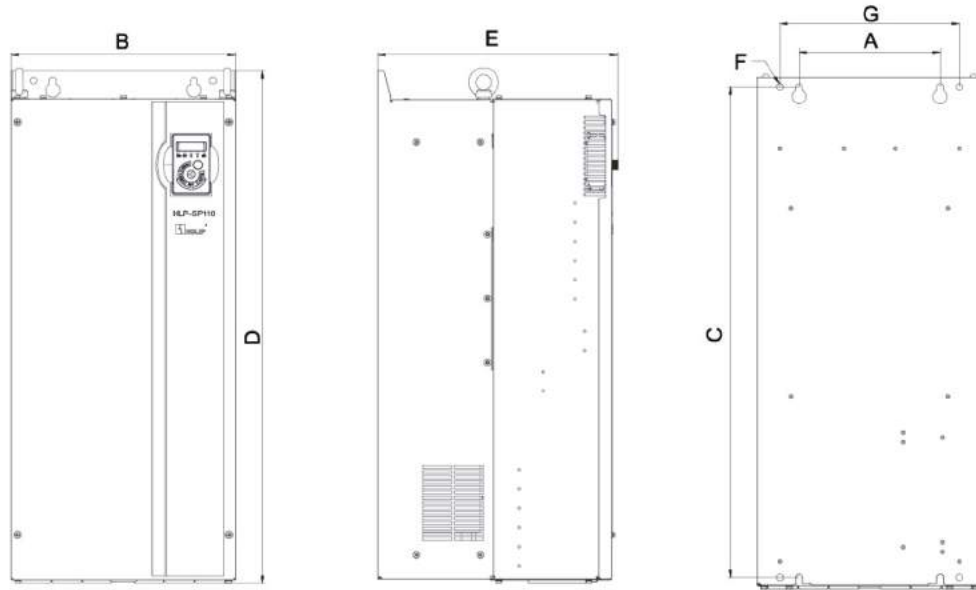
- Three phase 380V 11~22kW



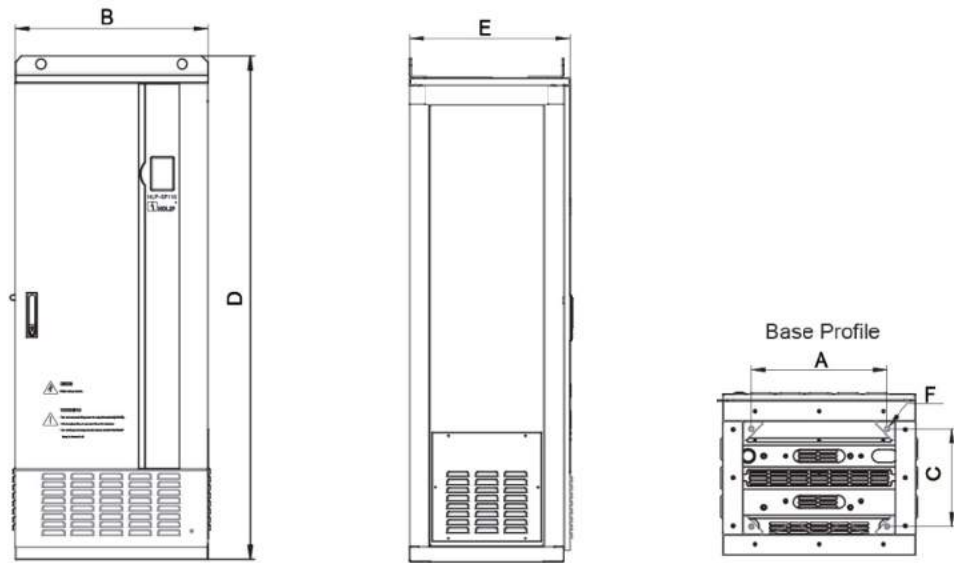
- Three phase 380V 30~90kW



■ Three phase 380V 110~250kW



■ Three phase 380V 280~450kW



| Voltage and Power | | | Dimensions (mm) | | | | | | |
|-------------------|------------|------------|-----------------|-----|-----|------|-----|------|-----|
| 1×200-240V | 3×200-240V | 3×380-480V | A | B | C | D | E | F | G |
| - | - | 0.75-2.2kW | 104 | 125 | 194 | 210 | 150 | 4.5 | - |
| - | - | 4.0-5.5kW | 124 | 145 | 230 | 250 | 165 | 4.5 | - |
| - | - | 7.5kW | 133 | 155 | 243 | 263 | 175 | 4.5 | - |
| - | - | 11-15kW | 148 | 192 | 340 | 365 | 189 | 6.5 | - |
| - | - | 18.5-22kW | 150 | 214 | 395 | 420 | 194 | 6.5 | - |
| - | - | 30-45kW | 240 | 292 | 492 | 517 | 229 | 9 | - |
| - | - | 55-75kW | 240 | 292 | 537 | 562 | 249 | 9 | - |
| - | - | 90kW | 240 | 292 | 640 | 665 | 277 | 9 | - |
| - | - | 110-160kW | 220 | 350 | 765 | 799 | 375 | 10.5 | 280 |
| - | - | 185-250kW | 345 | 486 | 863 | 900 | 390 | 10.5 | 410 |
| - | - | 280-450kW | 424 | 600 | 304 | 1560 | 500 | 15 | - |