

## 驱动未来 智控不凡

DRIVING THE FUTURE  
INTELLIGENT CONTROL EXCELLENCE



浙江格亚电气有限公司  
ZHEJIANG GEYA ELECTRICAL CO.LTD.

地址：浙江省温州市北白象镇 电话：0577-62926966 手机：13567770207  
瑄头村滨江路91号 邮箱：sale@cngeya.com 网址：www.cngeya.com

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# 低压变频驱动器

Low voltage Variable Frequency Drive(VFD)

产品选型手册

Product guide



 为电机稳定运行与节能环保而生  
Low voltage Variable Frequency Drive(VFD)

# 变频驱动器与其作用

## 什么是变频驱动器？

变频驱动器是一款电子电力设备，通过内部电子开关器件与软件程序来控制电机运行，并且能对电机无级调速，扭矩控制，软起软停，过载保护等功能，从而完成不同的设备应用要求。

变频器也被称作交流驱动器(AC drive)，变速驱动器(VSD)，变频驱动器(AFD)，调速驱动器(ASD)或逆变驱动器(Inverter)。

## 让电机稳定运行？

- 增加电机寿命

变频器可以减少启动电流从而改善对电机和电网的冲击，并保持电机匀速至完全启动，由此对外部电力配套器件和设备减少冲击损耗，延长其使用寿命。

- 增加生产力

使用变频器可以减少设备频繁启停对外部配套器件和设备本身的能量冲击损耗，以及过载风险，从而减少因为电机过热或损坏等意外停机造成的设备停摆。

- 减少设备维护频率

使用变频器的软启动、调速，扭矩提升，过载保护等功能，让电机保持比较平稳良好的运行状态，减少对电机和运行设备的维修频率。

## 如何节能环保

- 更高效的能源节约

使用变频器可以根据使用需求降低电机转速和功耗，而不是让电机持续保持在全速运行的状态。

- 更精准的过程控制

使用变频器可以根据使用需求调节设备的运转速度和扭矩，为用户提供更灵活的使用要求，从而大大提高了用户的产效和产能。

- 更方便的控制监测

变频器可以通过外引键盘，扩展外部按钮开关，指示灯以及使用电脑和PLC来控制 and 监测设备运行情况，减少现场人员的浪费。

## What is VFD?

An VFD is a electronic device combined with electronics components and programmable software, that is used to adjust the rotation speed, torque control, soft start/stop, overload protection of a standard electric AC motor, in order to optimal process control in different applications.

VFDs are also referred to as AC drive, frequency converter, variable speed drives(VSD), adjustable frequency drives(AFD), adjustable speed drives(ASD), or inverters.

## More reliable motor operation?

- Increase life time

Reduce starting current decrease electrical stress on the motor and net work. Smooth ramp up to full speed also reduce mechanical wear on the equipment prolonging its life.

- Increase productivity

Using VFD reduce the number of unintended stops caused by excessive heating of the motor or sudden breakdowns of mechanical equipment due to high mechanical stress such as overload, lock rotor, etc.

- Reduce need for maintenance

Being able to apply a softer start/stop and vary the speed and torque of an motor means running in a stable condition and less wear on the motor and the drive machine.

## Energy efficiency

Substantial energy saving

Rather than having an motor running at full speed continuously, using VFD allows the user to adjust the speed on the demand.

Optimal process control

An VFD enables to process to achieve the right speed and torque while maintaining its accuracy. This contributes to more consistent quality and throughput of the end product.

Efficient system control and monitor

Extendable device such as remote-able keypad, switches, indicators and computer or PLC to control and monitor equipment's running status without nearby engineer.

GEVA

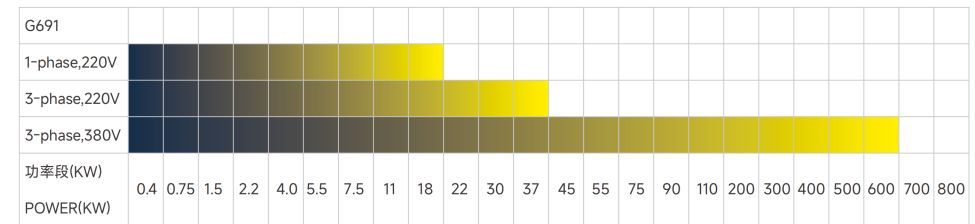
## 选择适合您需求的变频器

Choosing the right drive for your application

变频器类型	Drive type	通用型 General	通用型 General
应用行业	Application	G691	G510
常规应用	General Purpose	●	
食品饮料	Food & beverage	●	
农业灌溉/水泵	Irrigation/Pump	●	●
空压机	Compressor	●	●
传送带	Conveyor	●	
风机	Fan	●	
破碎机	Crusher	●	
搅拌机	Mixer	●	
橡胶塑料	Rubber & Plastic	●	
挤出机	Extruder	●	
葫芦吊	Hoist Crane	●	
起重机	Gantry crane	●	
冲床	Punch press	●	
收卷机	Winder	●	
数控主轴	CNC spindle	●	

## 机型功率

Power comparison



成为格亚变频器的用户 Benefit to be a BEUNA VFD user



### 选择方便 Easy to select

您可针对不同应用选择产品线来满足特定需求。  
You can find a right product for your demand from our different selection of BEUNA VFD.



### 高性价比 Less cost

我们根据市场需求设计产品，让最小成本创造更大价值。  
You only pay affordable cost from our specified developed products, less cost to make big value.



### 安装简单 Easy to install

您可以选择更快速高效的墙面或柜体式安装方式。  
You can install the drives very simple either wall-mounted or cabinet mounted.



### 性能优越 Advanced performance

我们专注行业的应用，既突出又稳定。  
You need a high performance and stable operation drive, that what BEUNA focus on.



# G380L

## 电梯专用变频器 Elevator Specified drives

专业 | 高效 | 稳定  
Professional | Efficiency | Reliable.

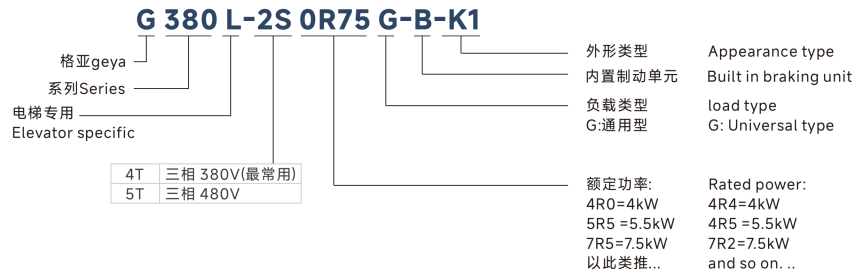
- 安装简单 Easy cabinet mounting
- 专业算法 Professional Programming
- 调试方便 Easy to use



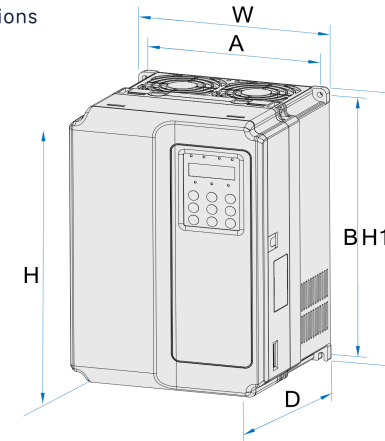
### 产品参数 Product parameters

机型 Frame Type	塑壳 Molded Enclosure
防护等级 Protection	IP20/UL open type, IP65/UL
电压等级和功率范围 Supply Voltage/ Power	3PH AC 200...240V 2.2...7.5kW(3...10 hp) 3PH AC 380...480V 3.7...15kW (5 ... 20 hp)
控制方式 Motor Control	开环矢量 Open Loop Vector
最高频率 Max. Frequency	矢量Vector: 0-100Hz
启动转矩 Torque Control	矢量Vector: 0.3Hz/180%
过载能力 Overload Capacity	150%额定电流120s, 180%额定电流10s. 120s of 150% rated current, 10s of 180% rated current
端子功能 Input and output	数字端子 Digital I/O: 7/1 模拟量端子 Analog I/O: 1/1 高速端子 Speed feedback I/O: 1/1 继电器输出端子 Relay output: 2
拓展卡 Plug-in Card	数字端子 Digital I/O: 5/1; 模拟量端子 Analog I/O: 1/1; 通讯端子 Communication: RS485, CAN
其他功能 Other Features	兼容NTC, PT100, PT1000温度传感器, 恒温恒压控制。 NTC /PT100 /PT1000 sensor compatible, sequence programming available for Constant pressure and temp control
工作温度 Ambient Temperature	-10°C 至 40°C不降档, 至60°C降档运行。湿度90%以内无凝珠。可选-20°C使用环境。 -10°C to 40°C without derating/to 60°C with derating, humidity up to 90%HR. Optional up to -20°C.

### 命名规格 Naming specifications



### 产品尺寸 Product dimensions



Physical appearance and dimensions

电压等级 Voltage class	220VAC				380/400/415VAC					
	2R2GB-T2	3R7GB-T2	5R5GB-T2	7R5GB-T2	2R2GB-T2	3R7GB-T2	2R2GB-T2	3R7GB-T2	3R7GB-T2	
驱动模型 Drive Model										
产品尺寸 Dimension	H*W*D		248*160*183		322*208*192		248*160*183		322*208*192	
安装孔 Mounting Hole	Φ5		Φ6		Φ5		Φ6			
额定输入电压 Rated Input Voltage	Three-phase 200Vac to 240Vac, -15% to +10% (170Vac to 264Vac)				Three-phase 380 to 480V, -15% to +10% (323Vac to 528Vac)					
额定输入电流 [A] Rated Input Current, [A]	10.5	14.6	26	35	10.5	14.6	20.5	26	35	
额定输入频率 Rated input frequency	50/60 Hz, ±5% (47.5 to 63Hz)									
适用电机 Applicable Motor	[kW]	2.2	3.7	5.5	7.5	4.0	5.5	7.5	11	15
	[HP]	3	5	7.5	10	5	7.5	10.0	15	20
输出电流 Output Current, [A]*1	9	13	25	32	9	13	17.0	25	32	
功率容量 Power Capacity, [kVA]	5.9	8.9	17	21	5.9	8.9	11	17	21	
过载能力 Overload Capacity	150% for 60 Sec & 180% for 3 Sec									
最大输出电压 Max. output voltage	Three-phase 200Vac to 240Vac (Proportional to input voltage)				Three-phase 380Vac to 480Vac (Proportional to input voltage)					
最大输出频率 Max. output frequency	100 Hz									
制动电阻 Braking Resistor	推荐电阻值 Recommended Power, [W]	500	750	1200	1500	750	1200	1500	2500	3000
	推荐功率 Recommended Resistance, [Ω]	≥	≥	≥	≥	≥	≥	≥	≥	≥
附件 Enclosure	IP 21									