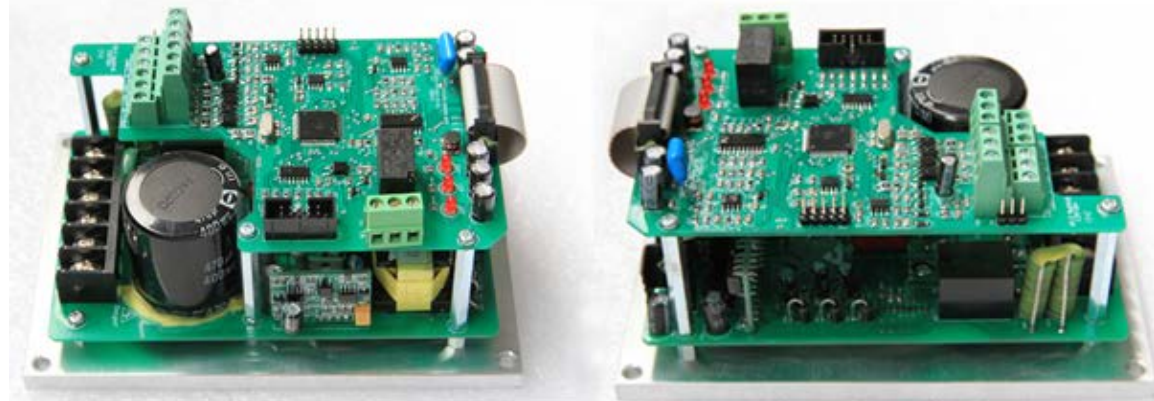




[GK3300 Non-Enclosure VFD Model Selection]

220V Ratings

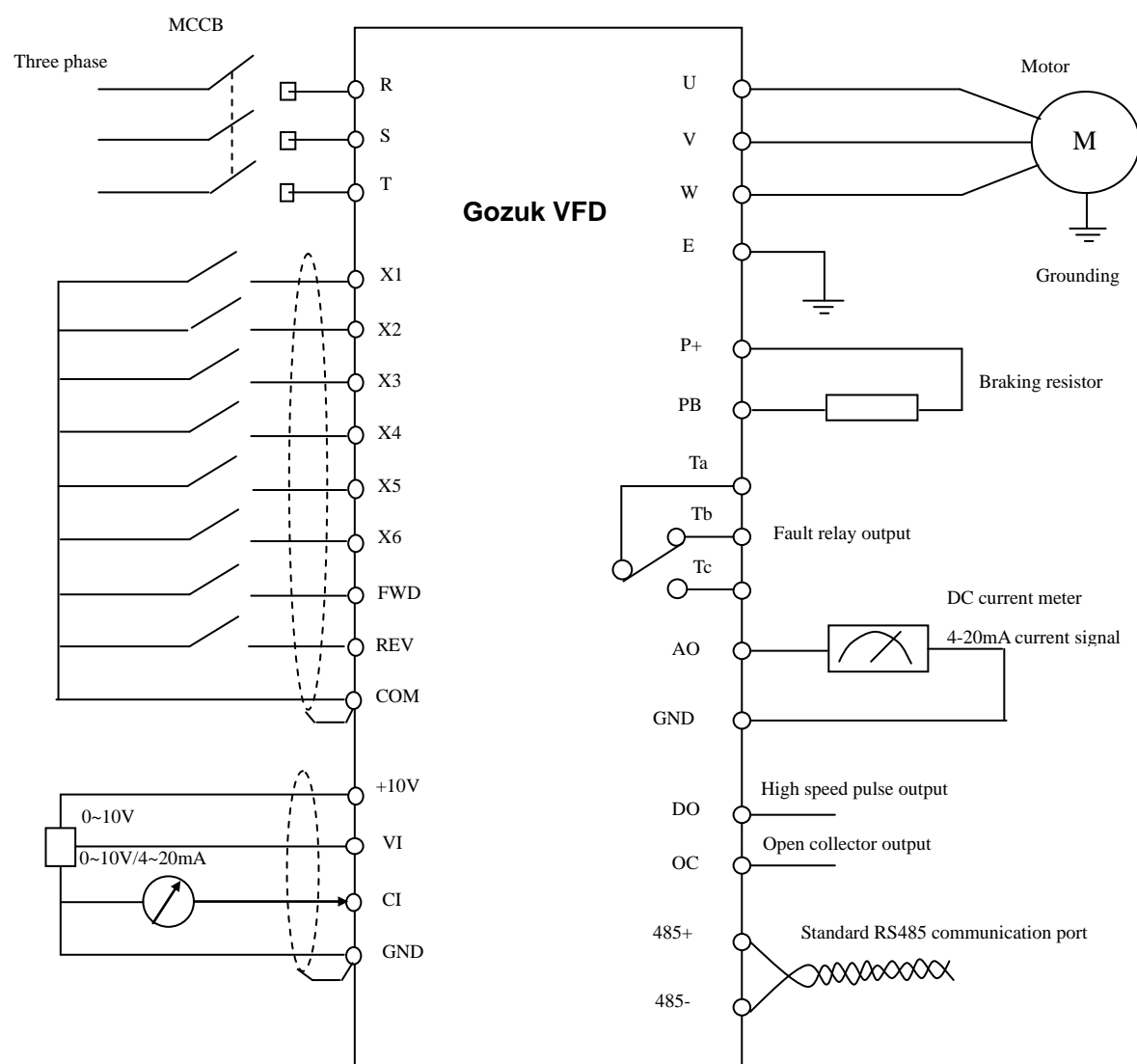
Model No.	Power (kW)	Current (A)	Dimensions (mm)	N.W (g)
GK3300-2S0002	0.2	1.6	110*80*150	665
GK3300-2S0004	0.4	3		
GK3300-2S0007	0.75	4.7	110*100*150	887
GK3300-2S0015	1.5	7.5		



Main Features:

- Compact size, light weight with stable performance and cost efficiency.
- Adopt latest technology of SVPWM (Space Vector Pulse Width Modulation).
- Built in dynamic braking unit.
- Integrated standard RS485 communication terminals, support Modbus communication protocol.
- multi-phase PLC control, multi-velocity control, more accurate and convenient.
- Sensorless vector control, output high torque in low frequency.
- V/F control with 7 types of V/F curve, constant torque V/F curve, custom define V/F curve, down torque V/F curve.
- Support multi-frequency deploy ways: digital setup, analog quantity setup and communication setup.
- Built in faults recording function.
- Showing operating, stopping and failure status by led indicator lights.
- Adopt jump frequency control which prevents mechanical resonance and makes the system more stable and reliable.
- Adopt central frequency switch function which let the end user to fix the central frequency while it's necessary.

VFD Basic Wiring Diagram



[GK3300 VFD Specification]

Item	Description	
I/O Feature	Input voltage range	1AC 220~240V +15%
	Input frequency range	50/60Hz
	Output voltage range	0~rate input voltage
	Output frequency range	0.00~400.00Hz
	Over load capacity	150% of rated current for 1 minute, 180% of rated current for 3 seconds
Control Feature	Control mode	V/F control; Sensorless vector control;
	Speed regulation range	1:100
	Start torque	150% of rating torque at 1 Hz
	Speed control accuracy	$\leq \pm 0.5\%$ of rating synchronous speed
	Frequency precision	Digital setting: max frequency $x \pm 0.01\%$; analog setting: max frequency $x \pm 0.2\%$
	Frequency resolution	Analog setting: 0.1% of max frequency Digital setting: 0.01Hz
	Torque boost	Automatic torque boost, manual torque boost 0.1%~30.0%
	V/F curve	Set rating frequency randomly at range of 5~400Hz, can choose constant torque, degressive torque 1, degressive torque 2, degressive torque 3 and user defined V/F curve in total 5
	Accelerating decelerating curve	Modes: straight line accelerating / decelerating, S curve accelerating / decelerating and automatic Acc/Dec mode; 7 kinds of accelerating / decelerating time (unit of minute/second can be optioned), max is 6000 minutes.
	Brake	Power consumption brake: external braking resistance with built-in braking unit DC brake: Optional start-up and stop, action frequency 0~15Hz, action current 0~80%, action time 0~60.0s
	Jog	Jog frequency range: 0.10Hz~50.00Hz; jog accelerating / decelerating time 0.1~60.0s can be set
	Multi-section speed running	Realized by interior PLC or control terminal
	Interior PID controller	Be convenient to make closed-loop system
	Automatic energy save running	Optimize V/F curve automatically based on the load to realize power save running
	Automatic volt. regulation (AVR)	Can keep constant output volt. When power source voltage varies.
Automatic current limiting	Limit running current automatically to avoid frequent over-current which will cause trip	
Running function	Running order specified channel	Keypad provision, control terminal provision, serial port provision
	Running frequency specified channel	Digital provision, analog provision, impulse provision, serial port provision, combined provision, can be switched at any time by kinds of method.
	pulse output channel	Impulse square wave signal output of 0~50KHz can realize output of physical parameter such as setting frequency, output frequency and etc.
	Analog output channel	2 channel of analog signal output, each channel can be 4~20mA or 0~10V, through them the variable frequency drive can realize output of physical parameter such as setting frequency, output frequency and etc.
Configuration	Defending grade	IP20
	Cooling mode	By fan with automatic temperature control
Keypad	LED display	Can display setting frequency, output frequency, output voltage, output current etc. in total 20 kinds of parameter
	Button lock	Lock all of the buttons
	Parameters copy	Parameters can be quickly copied. by using of keyboard and remote-control keypad
Environmental Constraint	Temperature	-10°C ~ +40°C; VFD will be derated if ambient temperature exceed 40°C; each rise 1°C, the derate will be 5%
	Humidity	5%-95%, without condensation
	Altitude	$\leq 1000\text{m}$; VFD will be derated if above 1000m
	Impingement and oscillation	Normal running: $< 5.9\text{m/s}^2$ (0.6g); Transportation: $< 15\text{m/s}^2$ (1.5g)
	Store environment	-20°C ~ +60°C; no dust, no corrosive gas, no direct sunlight