



GK610

Compact AC Drive

GTAKE has launched GK610 compact AC drives (1 phase 220VAC and 3 phase 380VAC) to meet the market requirements of small power rating, compact size and simple speed control.



POWER RATINGS

1 × 200-240 V 0.4 - 2.2 kW 3 × 380-440 V 0.75 - 7.5 kW

Compact size Powerful functions

Promoted V/Hz SVC1 SVC2

Support Sych & Asych Motor Detachable Control Panel

- Multi-step Freq.
- I/O options
- Precise autotune
- Frequency Binding
- Parameter Copy & Backup
- Flying Start
- Parameter Displayed & Hidden
- Master & Auxiliary command & switchover
- PID
- FDT
- S-curve
- Simple PLC
- 2 Motor Switchover
- Wobble Frequency Control
- Fixed Length Control
- Droop Control
- Skip Frequency
- Count Function
- Preeminent Field-weakening Control
- V/Hz Separated Control
- Common DC Bus
- Over Excitation Brake
- Mechanical Brake
- Restart Upon Power Loss
- Cycle-By-Cycle Current Limit
- Motor Thermal Protection
- Stall Protections
-

FEATURES

Start Torque @0.25Hz
180%

Overload Capability
200%

Speed accuracy \pm
0.2%

Ambient Temp $^{\circ}\text{C}$
50

Speed Regulation
1:200

Torque Response ms
10



Multi-drive Communication

RJ45 port for 485 communication, realizing multi-level networking with network cables, making the connection reliable with strong anti-interference ability.



Easy Commissioning

Support external keypad. Parameters upload & download is available by connecting to the GK620 & GK820 keypad with network cable.



High Power Density

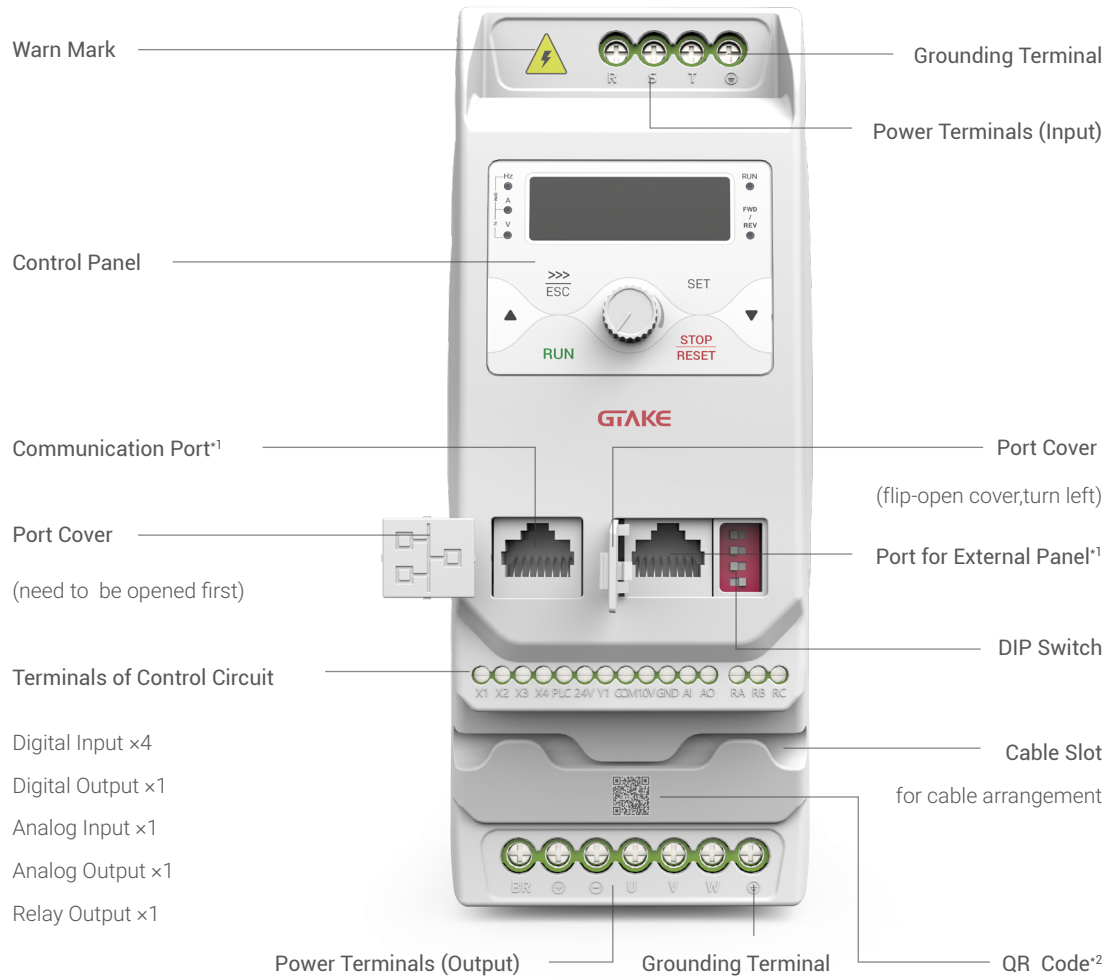
The size of GK610 is 33% smaller compared with that of the same power range of GK620. Besides, GK610 can be installed in parallel seamlessly, without considering the heat dissipation gap, minimizing the cabinet size.



Stable & Reliable

Fully enclosed housing & Isolated heat dissipation tunnel. Extra sleeves in IGBT pins are used to help isolate the dust maximally, guaranteeing the safety and reliability of electronic components.

COMPONENTS



*1: Dual network ports and multi-level 485 communication supported. Standard network cable and maximum communication distance less than 3 meters advised. Shielded network cable recommended. For multi-level communication, pin definition of the two network ports shall be consistent. For more details, refer to GK610 User Manual.

*2: Scan to obtain more product information.

MODEL

4T1.5G/2.2LB



B: in-built brake chopper
 L: Light Duty H: Heavy Duty
 T: Triple-phase
 2: 200V 4: 400V

MODEL

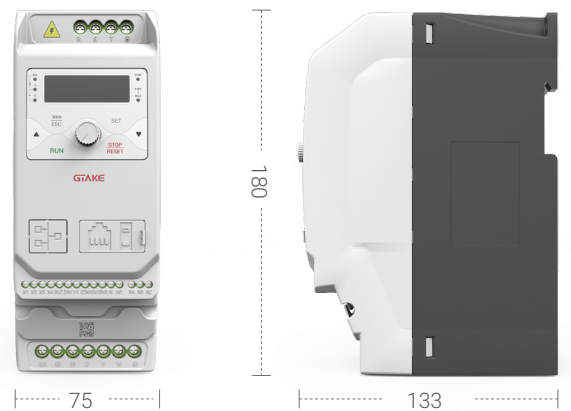
Model	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps) ²	Applicable Motor (kW)	Model	Power Rating (kW)	Rated Output Current (Amps)	Rated Input Current (Amps) ²	Applicable Motor (kW)
2S0.4B	0.4	2.6	5.5	0.4	4T2.2G/3.7LB	H 2.2	5.5	6.0	2.2
2S0.75B	0.75	4.5	9.2	0.75		L 3.7	8.0	10	3.7
2S1.5B	1.5	7.5	18	1.5	4T3.7G/5.5LB	H 3.7	9.0	10.5	3.7
2S2.2B	2.2	10	23	2.2		L 5.5	11	14	5.5
4T0.75G/1.5LB	H 0.75	2.5	3.5	0.75	4T5.5G/7.5LB	H 5.5	13	14.6	5.5
	L 1.5	3.8	5.0	1.5		L 7.5	16	20	7.5
4T1.5G/2.2LB	H 1.5	3.8	5.0	1.5	4T7.5G/11LB	H 7.5	17	20.5	7.5
	L 2.2	4.8	5.5	2.2		L 11	21	25	11

L Light Duty **H** Heavy Duty

DIMENSION

Unit, mm

- The figure showed on the right is the dimension of 4T3.7G/5.5LB and below
- Mounting dimension: 66 × 170.5 × 133
- Support DIN rail wall-mounting
- Dimension of 4T5.5G/7.5L~7.5G/11LB is: W×H×D = 100 × 224.5 × 152.5



AC DRIVE

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